

Appendix N – Alternatives

Clearlake Airport Redevelopment Project - RIDA Alternative Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Clearlake Airport Redevelopment Project - RIDA Alternative
Construction Start Date	5/1/2026
Operational Year	2034
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	9.20
Location	38.93415434527887, -122.62332677067869
County	Lake
City	Clearlake
Air District	Lake County AQMD
Air Basin	Lake County
TAZ	240
EDFZ	2
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

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
Regional Shopping Center	149	1000sqft	3.43	149,250	0.00	0.00	—	Central shopping area in PD Zone 2

Bridge/Overpass Construction	0.19	Mile	0.46	0.00	—	—	—	Pedestrian overpass bridge
Parking Lot	2,144	1000sqft	49.2	0.00	686,824	197,762	—	All surface parking lots, landscaping, drainage basins, and xeriscaped areas
Unenclosed Parking with Elevator	25.6	1000sqft	0.59	37,289	0.00	0.00	—	Structured parking in mixed use bldg in PD Zone 1
Apartments Mid Rise	86.0	Dwelling Unit	1.56	218,440	0.00	0.00	203	Multi-family in all PD Zones
Condo/Townhouse	14.0	Dwelling Unit	0.39	34,000	0.00	0.00	33.0	Multi-family housing in PD Zone 1
Quality Restaurant	10.0	1000sqft	0.23	10,000	0.00	0.00	—	Restaurant in PD Zone 2
Fast Food Restaurant w/o Drive Thru	4.00	1000sqft	0.09	4,000	0.00	0.00	—	Fast food w/o DT in PD Zone 1
Hotel	75.0	Room	0.53	48,402	0.00	0.00	—	Hotel and conference bldg in PD Zone 1
Road Construction	1.10	Mile	0.77	0.00	0.00	—	—	Roads throughout
Arena	9.00	1000sqft	0.25	6,000	3,158	0.00	—	Flex/event center in PD Zone 2

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Transportation	T-18	Provide Pedestrian Network Improvement
Transportation	T-34*	Provide Bike Parking
Transportation	T-35*	Provide Traffic Calming Measures
Transportation	T-43*	Provide Real-Time Transit Information

Transportation	T-50*	Required Project Contributions to Transportation Infrastructure Improvement
Energy	E-3-A*	Require Energy Efficient Residential Boilers
Energy	E-3-B*	Require Energy Efficient Commercial Packaged Boilers
Energy	E-13	Install Electric Ranges in Place of Gas Ranges
Energy	E-15	Require All-Electric Development
Water	W-5	Design Water-Efficient Landscapes
Natural Lands	N-7*	Wildfire Resilience and Management
Area Sources	AS-2	Use Low-VOC Paints
Area Sources	E-14	Limit Wood Burning Devices and Natural Gas/Propane Fireplaces in Residential Development

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

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	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.	24.2	23.9	40.6	275	0.43	1.01	1,861	1,861	0.99	186	187	—	49,411	49,411	1.96	0.78	12.8	49,705
Mit.	24.2	23.9	40.6	275	0.43	1.01	1,861	1,861	0.99	186	187	—	49,411	49,411	1.96	0.78	12.8	49,705
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	24.3	24.0	43.5	299	0.48	1.14	1,861	1,861	1.12	192	193	—	55,266	55,266	2.20	0.87	0.37	55,582
Mit.	24.3	24.0	43.5	299	0.48	1.14	1,861	1,861	1.12	192	193	—	55,266	55,266	2.20	0.87	0.37	55,582

% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.3	14.2	28.3	190	0.30	0.71	1,163	1,163	0.69	116	117	—	34,396	34,396	1.38	0.54	3.86	34,596
Mit.	14.3	14.2	28.3	190	0.30	0.71	1,163	1,163	0.69	116	117	—	34,396	34,396	1.38	0.54	3.86	34,596
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.60	2.59	5.16	34.6	0.06	0.13	212	212	0.13	21.2	21.4	—	5,695	5,695	0.23	0.09	0.64	5,728
Mit.	2.60	2.59	5.16	34.6	0.06	0.13	212	212	0.13	21.2	21.4	—	5,695	5,695	0.23	0.09	0.64	5,728
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	54.0	54.0	—	—	82.0	—	—	54.0	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	No	Yes	Yes	No	Yes	Yes	—	—	—	—	—	—	—
Mit.	—	No	No	—	—	No	Yes	Yes	No	Yes	Yes	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	54.0	54.0	—	—	82.0	—	—	54.0	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	No	Yes	Yes	No	Yes	Yes	—	—	—	—	—	—	—
Mit.	—	No	No	—	—	No	Yes	Yes	No	Yes	Yes	—	—	—	—	—	—	—

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)

Clearlake Airport Redevelopment Project - RIDA Alternative Detailed Report, 10/25/2025

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.95	1.91	10.4	88.1	0.14	0.29	417	417	0.29	55.3	55.6	—	16,048	16,048	0.64	0.24	3.45	16,139
2027	1.75	1.71	11.3	81.4	0.13	0.26	431	431	0.26	56.7	57.0	—	14,661	14,661	0.56	0.29	3.60	14,763
2028	6.07	5.74	34.1	214	0.34	0.85	1,510	1,511	0.83	165	166	—	39,061	39,061	1.53	0.72	12.5	39,325
2029	7.28	7.03	40.1	275	0.43	1.01	1,712	1,713	0.99	171	172	—	49,411	49,411	1.96	0.78	12.8	49,705
2030	24.2	23.9	40.6	272	0.42	0.97	1,861	1,861	0.96	186	187	—	48,659	48,659	1.96	0.71	12.3	48,933
2031	20.9	20.8	20.5	154	0.24	0.46	1,484	1,485	0.45	148	149	—	27,804	27,804	1.11	0.50	9.08	27,989
2032	19.1	19.0	11.0	66.5	0.09	0.17	1,216	1,217	0.17	122	122	—	11,489	11,489	0.38	0.33	6.90	11,604
2033	18.1	18.0	4.75	22.9	0.03	0.06	939	939	0.06	93.9	93.9	—	5,076	5,076	0.13	0.24	4.97	5,157
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.49	2.44	14.4	115	0.19	0.37	571	571	0.37	70.7	71.0	—	20,431	20,431	0.80	0.36	0.13	20,560
2027	1.74	1.71	11.3	81.1	0.13	0.26	431	431	0.26	56.7	57.0	—	14,648	14,648	0.56	0.29	0.09	14,747
2028	7.97	7.61	43.5	299	0.48	1.14	1,778	1,779	1.12	192	193	—	55,266	55,266	2.20	0.87	0.37	55,582
2029	7.32	7.07	40.2	274	0.43	1.01	1,712	1,713	0.99	171	172	—	49,341	49,341	1.97	0.78	0.33	49,623
2030	24.3	24.0	40.7	272	0.43	0.99	1,861	1,861	0.98	186	187	—	49,242	49,242	1.96	0.76	0.32	49,519
2031	21.0	20.9	20.6	153	0.24	0.46	1,484	1,485	0.45	148	149	—	27,745	27,745	1.11	0.50	0.24	27,921
2032	19.1	19.0	11.1	65.7	0.09	0.17	1,216	1,217	0.17	122	122	—	11,443	11,443	0.38	0.33	0.18	11,551
2033	18.1	18.0	4.77	22.4	0.03	0.06	939	939	0.06	93.9	93.9	—	5,041	5,041	0.13	0.24	0.13	5,117
2034	17.0	17.0	0.79	2.00	< 0.005	< 0.005	147	147	< 0.005	14.7	14.7	—	405	405	0.01	0.02	0.02	410
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.87	0.85	5.06	39.8	0.07	0.13	193	194	0.13	25.0	25.1	—	7,189	7,189	0.28	0.12	0.73	7,233
2027	1.22	1.20	8.12	57.8	0.09	0.19	301	301	0.19	39.8	40.0	—	10,451	10,451	0.40	0.20	1.11	10,523
2028	2.96	2.81	16.8	108	0.17	0.39	845	845	0.39	92.7	93.0	—	19,917	19,917	0.78	0.40	3.11	20,060
2029	4.99	4.81	28.3	190	0.30	0.71	1,163	1,163	0.69	116	117	—	34,396	34,396	1.38	0.54	3.86	34,596

2030	7.87	7.70	25.5	173	0.27	0.62	1,143	1,144	0.62	114	115	—	31,347	31,347	1.27	0.47	3.40	31,523
2031	14.3	14.2	11.4	77.7	0.12	0.23	940	940	0.22	94.0	94.2	—	13,923	13,923	0.56	0.30	2.58	14,029
2032	13.4	13.4	6.63	37.4	0.05	0.09	790	790	0.09	78.9	79.0	—	6,767	6,767	0.23	0.22	2.00	6,841
2033	12.4	12.4	1.85	7.75	0.01	0.02	344	344	0.02	34.4	34.4	—	1,725	1,725	0.05	0.09	0.78	1,752
2034	0.23	0.23	0.01	0.03	< 0.005	< 0.005	1.96	1.96	< 0.005	0.20	0.20	—	5.44	5.44	< 0.005	< 0.005	< 0.005	5.52
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.16	0.15	0.92	7.27	0.01	0.02	35.3	35.3	0.02	4.56	4.59	—	1,190	1,190	0.05	0.02	0.12	1,197
2027	0.22	0.22	1.48	10.6	0.02	0.03	54.9	54.9	0.03	7.26	7.30	—	1,730	1,730	0.07	0.03	0.18	1,742
2028	0.54	0.51	3.07	19.7	0.03	0.07	154	154	0.07	16.9	17.0	—	3,297	3,297	0.13	0.07	0.52	3,321
2029	0.91	0.88	5.16	34.6	0.06	0.13	212	212	0.13	21.2	21.4	—	5,695	5,695	0.23	0.09	0.64	5,728
2030	1.44	1.40	4.65	31.6	0.05	0.11	209	209	0.11	20.9	21.0	—	5,190	5,190	0.21	0.08	0.56	5,219
2031	2.60	2.59	2.09	14.2	0.02	0.04	171	172	0.04	17.1	17.2	—	2,305	2,305	0.09	0.05	0.43	2,323
2032	2.45	2.44	1.21	6.83	0.01	0.02	144	144	0.02	14.4	14.4	—	1,120	1,120	0.04	0.04	0.33	1,133
2033	2.27	2.27	0.34	1.42	< 0.005	< 0.005	62.8	62.8	< 0.005	6.28	6.28	—	286	286	0.01	0.01	0.13	290
2034	0.04	0.04	< 0.005	< 0.005	< 0.005	< 0.005	0.36	0.36	< 0.005	0.04	0.04	—	0.90	0.90	< 0.005	< 0.005	< 0.005	0.91

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.95	1.91	10.4	88.1	0.14	0.29	417	417	0.29	55.3	55.6	—	16,048	16,048	0.64	0.24	3.45	16,139
2027	1.75	1.71	11.3	81.4	0.13	0.26	431	431	0.26	56.7	57.0	—	14,661	14,661	0.56	0.29	3.60	14,763
2028	6.07	5.74	34.1	214	0.34	0.85	1,510	1,511	0.83	165	166	—	39,061	39,061	1.53	0.72	12.5	39,325
2029	7.28	7.03	40.1	275	0.43	1.01	1,712	1,713	0.99	171	172	—	49,411	49,411	1.96	0.78	12.8	49,705
2030	24.2	23.9	40.6	272	0.42	0.97	1,861	1,861	0.96	186	187	—	48,659	48,659	1.96	0.71	12.3	48,933
2031	20.9	20.8	20.5	154	0.24	0.46	1,484	1,485	0.45	148	149	—	27,804	27,804	1.11	0.50	9.08	27,989
2032	19.1	19.0	11.0	66.5	0.09	0.17	1,216	1,217	0.17	122	122	—	11,489	11,489	0.38	0.33	6.90	11,604

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2033	18.1	18.0	4.75	22.9	0.03	0.06	939	939	0.06	93.9	93.9	—	5,076	5,076	0.13	0.24	4.97	5,157
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.49	2.44	14.4	115	0.19	0.37	571	571	0.37	70.7	71.0	—	20,431	20,431	0.80	0.36	0.13	20,560
2027	1.74	1.71	11.3	81.1	0.13	0.26	431	431	0.26	56.7	57.0	—	14,648	14,648	0.56	0.29	0.09	14,747
2028	7.97	7.61	43.5	299	0.48	1.14	1,778	1,779	1.12	192	193	—	55,266	55,266	2.20	0.87	0.37	55,582
2029	7.32	7.07	40.2	274	0.43	1.01	1,712	1,713	0.99	171	172	—	49,341	49,341	1.97	0.78	0.33	49,623
2030	24.3	24.0	40.7	272	0.43	0.99	1,861	1,861	0.98	186	187	—	49,242	49,242	1.96	0.76	0.32	49,519
2031	21.0	20.9	20.6	153	0.24	0.46	1,484	1,485	0.45	148	149	—	27,745	27,745	1.11	0.50	0.24	27,921
2032	19.1	19.0	11.1	65.7	0.09	0.17	1,216	1,217	0.17	122	122	—	11,443	11,443	0.38	0.33	0.18	11,551
2033	18.1	18.0	4.77	22.4	0.03	0.06	939	939	0.06	93.9	93.9	—	5,041	5,041	0.13	0.24	0.13	5,117
2034	17.0	17.0	0.79	2.00	< 0.005	< 0.005	147	147	< 0.005	14.7	14.7	—	405	405	0.01	0.02	0.02	410
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.87	0.85	5.06	39.8	0.07	0.13	193	194	0.13	25.0	25.1	—	7,189	7,189	0.28	0.12	0.73	7,233
2027	1.22	1.20	8.12	57.8	0.09	0.19	301	301	0.19	39.8	40.0	—	10,451	10,451	0.40	0.20	1.11	10,523
2028	2.96	2.81	16.8	108	0.17	0.39	845	845	0.39	92.7	93.0	—	19,917	19,917	0.78	0.40	3.11	20,060
2029	4.99	4.81	28.3	190	0.30	0.71	1,163	1,163	0.69	116	117	—	34,396	34,396	1.38	0.54	3.86	34,596
2030	7.87	7.70	25.5	173	0.27	0.62	1,143	1,144	0.62	114	115	—	31,347	31,347	1.27	0.47	3.40	31,523
2031	14.3	14.2	11.4	77.7	0.12	0.23	940	940	0.22	94.0	94.2	—	13,923	13,923	0.56	0.30	2.58	14,029
2032	13.4	13.4	6.63	37.4	0.05	0.09	790	790	0.09	78.9	79.0	—	6,767	6,767	0.23	0.22	2.00	6,841
2033	12.4	12.4	1.85	7.75	0.01	0.02	344	344	0.02	34.4	34.4	—	1,725	1,725	0.05	0.09	0.78	1,752
2034	0.23	0.23	0.01	0.03	< 0.005	< 0.005	1.96	1.96	< 0.005	0.20	0.20	—	5.44	5.44	< 0.005	< 0.005	< 0.005	5.52
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.16	0.15	0.92	7.27	0.01	0.02	35.3	35.3	0.02	4.56	4.59	—	1,190	1,190	0.05	0.02	0.12	1,197
2027	0.22	0.22	1.48	10.6	0.02	0.03	54.9	54.9	0.03	7.26	7.30	—	1,730	1,730	0.07	0.03	0.18	1,742
2028	0.54	0.51	3.07	19.7	0.03	0.07	154	154	0.07	16.9	17.0	—	3,297	3,297	0.13	0.07	0.52	3,321
2029	0.91	0.88	5.16	34.6	0.06	0.13	212	212	0.13	21.2	21.4	—	5,695	5,695	0.23	0.09	0.64	5,728

2030	1.44	1.40	4.65	31.6	0.05	0.11	209	209	0.11	20.9	21.0	—	5,190	5,190	0.21	0.08	0.56	5,219
2031	2.60	2.59	2.09	14.2	0.02	0.04	171	172	0.04	17.1	17.2	—	2,305	2,305	0.09	0.05	0.43	2,323
2032	2.45	2.44	1.21	6.83	0.01	0.02	144	144	0.02	14.4	14.4	—	1,120	1,120	0.04	0.04	0.33	1,133
2033	2.27	2.27	0.34	1.42	< 0.005	< 0.005	62.8	62.8	< 0.005	6.28	6.28	—	286	286	0.01	0.01	0.13	290
2034	0.04	0.04	< 0.005	< 0.005	< 0.005	< 0.005	0.36	0.36	< 0.005	0.04	0.04	—	0.90	0.90	< 0.005	< 0.005	< 0.005	0.91

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.	73.8	69.1	20.0	264	3.15	12.9	28.7	41.6	3.42	7.29	10.7	222	352,476	352,699	28.2	2.99	167	354,461
Mit.	67.6	63.0	18.7	252	3.12	12.9	26.9	39.7	3.40	6.83	10.2	222	350,272	350,494	28.0	2.87	163	352,213
% Reduced	8%	9%	6%	4%	1%	< 0.5%	6%	4%	< 0.5%	6%	5%	—	1%	1%	1%	4%	3%	1%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	73.0	68.4	20.1	240	3.14	12.9	28.7	41.6	3.40	7.29	10.7	222	351,826	352,049	28.2	3.00	102	353,749
Mit.	66.7	62.2	18.8	229	3.12	12.8	26.9	39.7	3.39	6.83	10.2	222	349,659	349,882	28.0	2.88	102	351,543
% Reduced	9%	9%	6%	5%	1%	< 0.5%	6%	4%	< 0.5%	6%	5%	—	1%	1%	1%	4%	< 0.5%	1%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	59.0	54.7	16.2	209	3.05	12.8	20.4	33.2	3.34	5.17	8.51	222	342,354	342,576	27.8	2.62	121	344,172
Mit.	53.7	49.4	15.1	200	3.03	12.8	19.1	31.8	3.33	4.84	8.17	222	340,917	341,140	27.7	2.53	119	342,705
% Reduced	9%	10%	6%	4%	< 0.5%	< 0.5%	6%	4%	< 0.5%	6%	4%	—	< 0.5%	< 0.5%	< 0.5%	3%	1%	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	10.8	9.98	2.95	38.1	0.56	2.34	3.72	6.05	0.61	0.94	1.55	36.8	56,681	56,717	4.61	0.43	20.0	56,982
Mit.	9.79	9.02	2.76	36.5	0.55	2.33	3.48	5.81	0.61	0.88	1.49	36.8	56,443	56,480	4.59	0.42	19.8	56,739
% Reduced	9%	10%	6%	4%	< 0.5%	< 0.5%	6%	4%	< 0.5%	6%	4%	—	< 0.5%	< 0.5%	< 0.5%	3%	1%	< 0.5%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	54.0	54.0	—	—	82.0	—	—	54.0	—	—	—	—	—	—	—	—	—
Unmit.	—	Yes	No	—	—	No	Yes	Yes	No	Yes	Yes	—	—	—	—	—	—	—
Mit.	—	Yes	No	—	—	No	Yes	Yes	No	Yes	Yes	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	54.0	54.0	—	—	82.0	—	—	54.0	—	—	—	—	—	—	—	—	—
Unmit.	—	Yes	No	—	—	No	Yes	Yes	No	Yes	Yes	—	—	—	—	—	—	—
Mit.	—	No	No	—	—	No	Yes	Yes	No	Yes	Yes	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	10.0	10.0	—	—	15.0	—	—	10.0	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	—	—	No	Yes	Yes	No	Yes	Yes	—	—	—	—	—	—	—
Mit.	—	No	No	—	—	No	Yes	Yes	No	Yes	Yes	—	—	—	—	—	—	—

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	50.2	48.3	19.9	184	0.31	0.27	28.7	29.0	0.25	7.29	7.55	—	31,852	31,852	2.23	1.76	66.7	32,498

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Area	16.7	16.5	0.15	16.8	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	229	229	0.03	< 0.005	—	231
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	5,198	5,198	0.84	0.10	—	5,250
Water	—	—	—	—	—	—	—	—	—	—	—	46.1	50.1	96.2	4.73	0.11	—	248
Waste	—	—	—	—	—	—	—	—	—	—	—	176	0.00	176	17.6	0.00	—	617
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Stationary	7.00	4.28	0.00	63.0	2.83	12.6	0.00	12.6	3.15	0.00	3.15	0.00	314,904	314,904	2.72	1.01	0.00	315,273
Vegetation	—	> -0.005	-0.01	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	243	243	—	—	—	243
Total	73.8	69.1	20.0	264	3.15	12.9	28.7	41.6	3.42	7.29	10.7	222	352,476	352,699	28.2	2.99	167	354,461
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	51.8	49.9	20.1	177	0.31	0.27	28.7	29.0	0.25	7.29	7.55	—	31,262	31,262	2.27	1.77	1.73	31,847
Area	14.2	14.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	168	168	0.03	< 0.005	—	170
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	5,198	5,198	0.84	0.10	—	5,250
Water	—	—	—	—	—	—	—	—	—	—	—	46.1	50.1	96.2	4.73	0.11	—	248
Waste	—	—	—	—	—	—	—	—	—	—	—	176	0.00	176	17.6	0.00	—	617
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Stationary	7.00	4.28	0.00	63.0	2.83	12.6	0.00	12.6	3.15	0.00	3.15	0.00	314,904	314,904	2.72	1.01	0.00	315,273
Vegetation	—	> -0.005	-0.01	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	243	243	—	—	—	243
Total	73.0	68.4	20.1	240	3.14	12.9	28.7	41.6	3.40	7.29	10.7	222	351,826	352,049	28.2	3.00	102	353,749
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	36.6	35.1	16.1	137	0.22	0.20	20.4	20.6	0.18	5.17	5.36	—	21,892	21,892	1.90	1.39	20.5	22,374
Area	15.4	15.3	0.07	8.28	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	67.8	67.8	0.01	< 0.005	—	68.3
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	5,198	5,198	0.84	0.10	—	5,250
Water	—	—	—	—	—	—	—	—	—	—	—	46.1	50.1	96.2	4.73	0.11	—	248
Waste	—	—	—	—	—	—	—	—	—	—	—	176	0.00	176	17.6	0.00	—	617

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Stationary	7.00	4.28	0.00	63.0	2.83	12.6	0.00	12.6	3.15	0.00	3.15	0.00	314,903	314,903	2.72	1.01	0.00	315,272
Vegetation	—	> -0.005	-0.01	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	243	243	—	—	—	243
Total	59.0	54.7	16.2	209	3.05	12.8	20.4	33.2	3.34	5.17	8.51	222	342,354	342,576	27.8	2.62	121	344,172
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.68	6.40	2.94	25.1	0.04	0.04	3.72	3.75	0.03	0.94	0.98	—	3,624	3,624	0.31	0.23	3.40	3,704
Area	2.81	2.80	0.01	1.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	11.2	11.2	< 0.005	< 0.005	—	11.3
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	861	861	0.14	0.02	—	869
Water	—	—	—	—	—	—	—	—	—	—	—	7.63	8.30	15.9	0.78	0.02	—	41.1
Waste	—	—	—	—	—	—	—	—	—	—	—	29.2	0.00	29.2	2.92	0.00	—	102
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.6	16.6
Stationary	1.28	0.78	0.00	11.5	0.52	2.30	0.00	2.30	0.57	0.00	0.57	0.00	52,136	52,136	0.45	0.17	0.00	52,197
Vegetation	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	40.3	40.3	—	—	—	40.3
Total	10.8	9.98	2.95	38.1	0.56	2.34	3.72	6.05	0.61	0.94	1.55	36.8	56,681	56,717	4.61	0.43	20.0	56,982

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	46.9	45.2	18.6	172	0.29	0.25	26.9	27.1	0.24	6.83	7.07	—	29,813	29,813	2.09	1.65	62.4	30,419
Area	13.7	13.5	0.15	16.8	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	60.8	60.8	< 0.005	< 0.005	—	61.0
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	5,201	5,201	0.84	0.10	—	5,252
Water	—	—	—	—	—	—	—	—	—	—	—	46.1	50.1	96.2	4.73	0.11	—	248
Waste	—	—	—	—	—	—	—	—	—	—	—	176	0.00	176	17.6	0.00	—	617

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Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Stationary	7.00	4.28	0.00	63.0	2.83	12.6	0.00	12.6	3.15	0.00	3.15	0.00	314,904	314,904	2.72	1.01	0.00	315,273
Vegetation	—	> -0.005	-0.01	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	243	243	—	—	—	243
Total	67.6	63.0	18.7	252	3.12	12.9	26.9	39.7	3.40	6.83	10.2	222	350,272	350,494	28.0	2.87	163	352,213
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	48.5	46.7	18.8	166	0.29	0.25	26.9	27.1	0.24	6.83	7.07	—	29,262	29,262	2.12	1.65	1.62	29,809
Area	11.2	11.2	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	5,201	5,201	0.84	0.10	—	5,252
Water	—	—	—	—	—	—	—	—	—	—	—	46.1	50.1	96.2	4.73	0.11	—	248
Waste	—	—	—	—	—	—	—	—	—	—	—	176	0.00	176	17.6	0.00	—	617
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Stationary	7.00	4.28	0.00	63.0	2.83	12.6	0.00	12.6	3.15	0.00	3.15	0.00	314,904	314,904	2.72	1.01	0.00	315,273
Vegetation	—	> -0.005	-0.01	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	243	243	—	—	—	243
Total	66.7	62.2	18.8	229	3.12	12.8	26.9	39.7	3.39	6.83	10.2	222	349,659	349,882	28.0	2.88	102	351,543
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	34.2	32.8	15.1	129	0.20	0.18	19.1	19.2	0.17	4.84	5.01	—	20,491	20,491	1.78	1.30	19.2	20,942
Area	12.4	12.3	0.07	8.28	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	30.0	30.0	< 0.005	< 0.005	—	30.1
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	5,201	5,201	0.84	0.10	—	5,252
Water	—	—	—	—	—	—	—	—	—	—	—	46.1	50.1	96.2	4.73	0.11	—	248
Waste	—	—	—	—	—	—	—	—	—	—	—	176	0.00	176	17.6	0.00	—	617
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Stationary	7.00	4.28	0.00	63.0	2.83	12.6	0.00	12.6	3.15	0.00	3.15	0.00	314,903	314,903	2.72	1.01	0.00	315,272
Vegetation	—	> -0.005	-0.01	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	243	243	—	—	—	243

Total	53.7	49.4	15.1	200	3.03	12.8	19.1	31.8	3.33	4.84	8.17	222	340,917	341,140	27.7	2.53	119	342,705
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.25	5.99	2.75	23.5	0.04	0.03	3.48	3.51	0.03	0.88	0.91	—	3,392	3,392	0.29	0.22	3.18	3,467
Area	2.27	2.25	0.01	1.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	4.96	4.96	< 0.005	< 0.005	—	4.98
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	861	861	0.14	0.02	—	870
Water	—	—	—	—	—	—	—	—	—	—	—	7.63	8.30	15.9	0.78	0.02	—	41.1
Waste	—	—	—	—	—	—	—	—	—	—	—	29.2	0.00	29.2	2.92	0.00	—	102
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.6	16.6
Stationary	1.28	0.78	0.00	11.5	0.52	2.30	0.00	2.30	0.57	0.00	0.57	0.00	52,136	52,136	0.45	0.17	0.00	52,197
Vegetation	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	40.3	40.3	—	—	—	40.3
Total	9.79	9.02	2.76	36.5	0.55	2.33	3.48	5.81	0.61	0.88	1.49	36.8	56,443	56,480	4.59	0.42	19.8	56,739

3. Construction Emissions Details

3.1. Linear, Grubbing & Land Clearing (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	0.13	0.13	2.33	7.85	0.01	0.02	—	0.02	0.02	—	0.02	—	1,122	1,122	0.05	0.01	—	1,126
Dust From Material Movement	—	—	—	—	—	—	1.06	1.06	—	0.11	0.11	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	54.2	54.2	< 0.005	0.01	0.09	56.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	2.33	7.85	0.01	0.02	—	0.02	0.02	—	0.02	—	1,122	1,122	0.05	0.01	—	1,126
Dust From Material Movement	—	—	—	—	—	—	1.06	1.06	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	54.3	54.3	< 0.005	0.01	< 0.005	56.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	1.12	3.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	538	538	0.02	< 0.005	—	540
Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	10.1	10.1	< 0.005	1.01	1.01	—	26.0	26.0	< 0.005	< 0.005	0.02	27.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.20	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	89.1	89.1	< 0.005	< 0.005	—	89.4
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.85	1.85	< 0.005	0.18	0.18	—	4.31	4.31	< 0.005	< 0.005	< 0.005	4.51

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.08	1.14	0.00	0.00	66.7	66.7	0.00	6.67	6.67	—	142	142	0.01	0.01	0.57	144
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	0.13	0.12	0.08	1.05	0.00	0.00	66.7	66.7	0.00	6.67	6.67	—	138	138	0.01	0.01	0.01	140
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.48	0.00	0.00	31.2	31.2	0.00	3.12	3.12	—	64.0	64.0	< 0.005	< 0.005	0.12	65.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	5.69	5.69	0.00	0.57	0.57	—	10.6	10.6	< 0.005	< 0.005	0.02	10.8
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

3.2. Linear, Grubbing & Land Clearing (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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[illegible]

Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.85	1.85	< 0.005	0.18	0.18	—	4.31	4.31	< 0.005	< 0.005	< 0.005	4.51
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.08	1.14	0.00	0.00	66.7	66.7	0.00	6.67	6.67	—	142	142	0.01	0.01	0.57	144
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	0.13	0.12	0.08	1.05	0.00	0.00	66.7	66.7	0.00	6.67	6.67	—	138	138	0.01	0.01	0.01	140
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.48	0.00	0.00	31.2	31.2	0.00	3.12	3.12	—	64.0	64.0	< 0.005	< 0.005	0.12	65.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	5.69	5.69	0.00	0.57	0.57	—	10.6	10.6	< 0.005	< 0.005	0.02	10.8
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

3.3. Linear, Grubbing & Land Clearing (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	0.13	0.13	2.33	7.85	0.01	0.02	—	0.02	0.02	—	0.02	—	1,123	1,123	0.05	0.01	—	1,127
Dust From Material Movement	—	—	—	—	—	—	1.06	1.06	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	53.3	53.3	< 0.005	0.01	0.09	55.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	2.33	7.85	0.01	0.02	—	0.02	0.02	—	0.02	—	1,123	1,123	0.05	0.01	—	1,127
Dust From Material Movement	—	—	—	—	—	—	1.06	1.06	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	53.3	53.3	< 0.005	0.01	< 0.005	55.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	1.67	5.61	0.01	0.01	—	0.01	0.01	—	0.01	—	802	802	0.03	0.01	—	805
Dust From Material Movement	—	—	—	—	—	—	0.76	0.76	—	0.08	0.08	—	—	—	—	—	—	—

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Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	38.1	38.1	< 0.005	0.01	0.03	39.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.30	1.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	133	133	0.01	< 0.005	—	133
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	6.31	6.31	< 0.005	< 0.005	< 0.005	6.61
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.05	0.00	0.00	66.7	66.7	0.00	6.67	6.67	—	139	139	0.01	0.01	0.53	141
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	0.12	0.11	0.07	0.97	0.00	0.00	66.7	66.7	0.00	6.67	6.67	—	135	135	0.01	0.01	0.01	137
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	0.08	0.08	0.06	0.66	0.00	0.00	46.4	46.4	0.00	4.64	4.64	—	93.5	93.5	0.01	< 0.005	0.16	95.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	8.47	8.47	0.00	0.85	0.85	—	15.5	15.5	< 0.005	< 0.005	0.03	15.7

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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. Linear, Grubbing & Land Clearing (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	0.13	0.13	2.33	7.85	0.01	0.02	—	0.02	0.02	—	0.02	—	1,123	1,123	0.05	0.01	—	1,127
Dust From Material Movement	—	—	—	—	—	—	1.06	1.06	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	53.3	53.3	< 0.005	0.01	0.09	55.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	2.33	7.85	0.01	0.02	—	0.02	0.02	—	0.02	—	1,123	1,123	0.05	0.01	—	1,127
Dust From Material Movement	—	—	—	—	—	—	1.06	1.06	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	53.3	53.3	< 0.005	0.01	< 0.005	55.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.09	0.09	1.67	5.61	0.01	0.01	—	0.01	0.01	—	0.01	—	802	802	0.03	0.01	—	805
Dust From Material Movement	—	—	—	—	—	—	0.76	0.76	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	38.1	38.1	< 0.005	0.01	0.03	39.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.30	1.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	133	133	0.01	< 0.005	—	133
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	6.31	6.31	< 0.005	< 0.005	< 0.005	6.61
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.05	0.00	0.00	66.7	66.7	0.00	6.67	6.67	—	139	139	0.01	0.01	0.53	141
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	0.12	0.11	0.07	0.97	0.00	0.00	66.7	66.7	0.00	6.67	6.67	—	135	135	0.01	0.01	0.01	137
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	0.08	0.08	0.06	0.66	0.00	0.00	46.4	46.4	0.00	4.64	4.64	—	93.5	93.5	0.01	< 0.005	0.16	95.0

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	8.47	8.47	0.00	0.85	0.85	—	15.5	15.5	< 0.005	< 0.005	0.03	15.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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. Linear, Grubbing & Land Clearing (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	2.33	7.85	0.01	0.02	—	0.02	0.02	—	0.02	—	1,123	1,123	0.05	0.01	—	1,127
Dust From Material Movement	—	—	—	—	—	—	1.06	1.06	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.2	52.2	< 0.005	0.01	0.08	54.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	2.33	7.85	0.01	0.02	—	0.02	0.02	—	0.02	—	1,123	1,123	0.05	0.01	—	1,127

Dust From Material Movement	—	—	—	—	—	—	1.06	1.06	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.3	52.3	< 0.005	0.01	< 0.005	54.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.98	3.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	470	470	0.02	< 0.005	—	472
Dust From Material Movement	—	—	—	—	—	—	0.44	0.44	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	8.83	8.83	< 0.005	0.88	0.88	—	21.9	21.9	< 0.005	< 0.005	0.01	22.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.8	77.8	< 0.005	< 0.005	—	78.1
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.61	1.61	< 0.005	0.16	0.16	—	3.62	3.62	< 0.005	< 0.005	< 0.005	3.79
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.07	0.98	0.00	0.00	66.7	66.7	0.00	6.67	6.67	—	137	137	0.01	0.01	0.49	139
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	0.11	0.11	0.07	0.90	0.00	0.00	66.7	66.7	0.00	6.67	6.67	—	133	133	0.01	0.01	0.01	135
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	0.05	0.04	0.03	0.36	0.00	0.00	27.2	27.2	0.00	2.72	2.72	—	53.9	53.9	< 0.005	< 0.005	0.09	54.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	4.97	4.97	0.00	0.50	0.50	—	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

3.6. Linear, Grubbing & Land Clearing (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	2.33	7.85	0.01	0.02	—	0.02	0.02	—	0.02	—	1,123	1,123	0.05	0.01	—	1,127
Dust From Material Movement	—	—	—	—	—	—	1.06	1.06	—	0.11	0.11	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.2	52.2	< 0.005	0.01	0.08	54.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,127
Off-Road Equipm ent	0.13	0.13	2.33	7.85	0.01	0.02	—	0.02	0.02	—	0.02	—	1,123	1,123	0.05	0.01	—	
Dust From Material Movement	—	—	—	—	—	—	1.06	1.06	—	0.11	0.11	—	—	—	—	—	—	
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.3	52.3	< 0.005	0.01	< 0.005	54.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.05	0.05	0.98	3.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	470	470	0.02	< 0.005	—	472
Dust From Material Movement	—	—	—	—	—	—	0.44	0.44	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	8.83	8.83	< 0.005	0.88	0.88	—	21.9	21.9	< 0.005	< 0.005	0.01	22.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.01	0.01	0.18	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.8	77.8	< 0.005	< 0.005	—	78.1
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.61	1.61	< 0.005	0.16	0.16	—	3.62	3.62	< 0.005	< 0.005	< 0.005	3.79

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.07	0.98	0.00	0.00	66.7	66.7	0.00	6.67	6.67	—	137	137	0.01	0.01	0.49	139
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	0.11	0.11	0.07	0.90	0.00	0.00	66.7	66.7	0.00	6.67	6.67	—	133	133	0.01	0.01	0.01	135
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	0.05	0.04	0.03	0.36	0.00	0.00	27.2	27.2	0.00	2.72	2.72	—	53.9	53.9	< 0.005	< 0.005	0.09	54.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	4.97	4.97	0.00	0.50	0.50	—	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

3.7. Linear, Grading & Excavation (2028) - Unmitigated

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

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

[illegible]

Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.13	1.13	< 0.005	0.11	0.11	—	2.54	2.54	< 0.005	< 0.005	< 0.005	2.66
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.52	0.33	4.88	0.00	0.00	333	333	0.00	33.3	33.3	—	683	683	0.04	0.03	2.46	694
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	45.7	45.7	< 0.005	0.01	0.09	47.7
Hauling	< 0.005	< 0.005	0.09	0.01	< 0.005	< 0.005	6.11	6.11	< 0.005	0.61	0.61	—	55.9	55.9	< 0.005	0.01	0.09	58.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.53	0.33	4.50	0.00	0.00	333	333	0.00	33.3	33.3	—	665	665	0.04	0.03	0.06	674
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	45.7	45.7	< 0.005	0.01	< 0.005	47.7
Hauling	< 0.005	< 0.005	0.09	0.01	< 0.005	< 0.005	6.11	6.11	< 0.005	0.61	0.61	—	55.9	55.9	< 0.005	0.01	< 0.005	58.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.11	1.27	0.00	0.00	95.4	95.4	0.00	9.54	9.54	—	189	189	0.01	0.01	0.31	192
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.58	1.58	< 0.005	0.16	0.16	—	13.4	13.4	< 0.005	< 0.005	0.01	14.0
Hauling	< 0.005	< 0.005	0.03	< 0.005	< 0.005	< 0.005	1.75	1.75	< 0.005	0.18	0.18	—	16.4	16.4	< 0.005	< 0.005	0.01	17.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.23	0.00	0.00	17.4	17.4	0.00	1.74	1.74	—	31.3	31.3	< 0.005	< 0.005	0.05	31.8
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.29	0.29	< 0.005	0.03	0.03	—	2.22	2.22	< 0.005	< 0.005	< 0.005	2.32
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.32	0.32	< 0.005	0.03	0.03	—	2.72	2.72	< 0.005	< 0.005	< 0.005	2.84

3.8. Linear, Grading & Excavation (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.66	2.52	20.1	113	0.18	0.54	—	0.54	0.53	—	0.53	—	19,970	19,970	0.81	0.16	—	20,039
Dust From Material Movement	—	—	—	—	—	—	9.54	9.54	—	1.03	1.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.2	52.2	< 0.005	0.01	0.08	54.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.66	2.52	20.1	113	0.18	0.54	—	0.54	0.53	—	0.53	—	19,970	19,970	0.81	0.16	—	20,039
Dust From Material Movement	—	—	—	—	—	—	9.54	9.54	—	1.03	1.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.3	52.3	< 0.005	0.01	< 0.005	54.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.74	5.91	33.0	0.05	0.16	—	0.16	0.15	—	0.15	—	5,862	5,862	0.24	0.05	—	5,882
Dust From Material Movement	—	—	—	—	—	—	2.80	2.80	—	0.30	0.30	—	—	—	—	—	—	—

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Onsite truck	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	6.19	6.19	< 0.005	0.62	0.62	—	15.3	15.3	< 0.005	< 0.005	0.01	16.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	1.08	6.03	0.01	0.03	—	0.03	0.03	—	0.03	—	971	971	0.04	0.01	—	974
Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.13	1.13	< 0.005	0.11	0.11	—	2.54	2.54	< 0.005	< 0.005	< 0.005	2.66
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.52	0.33	4.88	0.00	0.00	333	333	0.00	33.3	33.3	—	683	683	0.04	0.03	2.46	694
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	45.7	45.7	< 0.005	0.01	0.09	47.7
Hauling	< 0.005	< 0.005	0.09	0.01	< 0.005	< 0.005	6.11	6.11	< 0.005	0.61	0.61	—	55.9	55.9	< 0.005	0.01	0.09	58.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.53	0.33	4.50	0.00	0.00	333	333	0.00	33.3	33.3	—	665	665	0.04	0.03	0.06	674
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	45.7	45.7	< 0.005	0.01	< 0.005	47.7
Hauling	< 0.005	< 0.005	0.09	0.01	< 0.005	< 0.005	6.11	6.11	< 0.005	0.61	0.61	—	55.9	55.9	< 0.005	0.01	< 0.005	58.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.11	1.27	0.00	0.00	95.4	95.4	0.00	9.54	9.54	—	189	189	0.01	0.01	0.31	192
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.58	1.58	< 0.005	0.16	0.16	—	13.4	13.4	< 0.005	< 0.005	0.01	14.0
Hauling	< 0.005	< 0.005	0.03	< 0.005	< 0.005	< 0.005	1.75	1.75	< 0.005	0.18	0.18	—	16.4	16.4	< 0.005	< 0.005	0.01	17.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.23	0.00	0.00	17.4	17.4	0.00	1.74	1.74	—	31.3	31.3	< 0.005	< 0.005	0.05	31.8

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.29	0.29	< 0.005	0.03	0.03	—	2.22	2.22	< 0.005	< 0.005	< 0.005	2.32
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.32	0.32	< 0.005	0.03	0.03	—	2.72	2.72	< 0.005	< 0.005	< 0.005	2.84

3.9. Linear, Grading & Excavation (2029) - 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 Equipm ent	2.63	2.50	19.7	113	0.18	0.52	—	0.52	0.51	—	0.51	—	19,969	19,969	0.81	0.16	—	20,037
Dust From Material Movement	—	—	—	—	—	—	9.54	9.54	—	1.03	1.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.1	51.1	< 0.005	0.01	0.07	53.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	2.63	2.50	19.7	113	0.18	0.52	—	0.52	0.51	—	0.51	—	19,969	19,969	0.81	0.16	—	20,037
Dust From Material Movement	—	—	—	—	—	—	9.54	9.54	—	1.03	1.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.2	51.2	< 0.005	0.01	< 0.005	53.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	1.88	1.78	14.1	80.4	0.13	0.37	—	0.37	0.36	—	0.36	—	14,263	14,263	0.58	0.12	—	14,312
Dust From Material Movement	—	—	—	—	—	—	6.82	6.82	—	0.74	0.74	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	36.5	36.5	< 0.005	0.01	0.02	38.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.33	2.57	14.7	0.02	0.07	—	0.07	0.07	—	0.07	—	2,361	2,361	0.10	0.02	—	2,370
Dust From Material Movement	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	6.05	6.05	< 0.005	< 0.005	< 0.005	6.34
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.49	0.29	4.49	0.00	0.00	333	333	0.00	33.3	33.3	—	671	671	0.04	0.03	2.28	682
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	44.6	44.6	< 0.005	0.01	0.08	46.6
Hauling	< 0.005	< 0.005	0.08	0.01	< 0.005	< 0.005	6.11	6.11	< 0.005	0.61	0.61	—	54.7	54.7	< 0.005	0.01	0.08	57.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.50	0.29	4.14	0.00	0.00	333	333	0.00	33.3	33.3	—	653	653	0.04	0.03	0.06	663
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	44.7	44.7	< 0.005	0.01	< 0.005	46.6
Hauling	< 0.005	< 0.005	0.08	0.01	< 0.005	< 0.005	6.11	6.11	< 0.005	0.61	0.61	—	54.7	54.7	< 0.005	0.01	< 0.005	57.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.33	0.24	2.84	0.00	0.00	232	232	0.00	23.2	23.2	—	451	451	0.03	0.02	0.70	458

Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	3.85	3.85	< 0.005	0.39	0.39	—	31.9	31.9	< 0.005	< 0.005	0.02	33.3
Hauling	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	4.25	4.25	< 0.005	0.43	0.43	—	39.0	39.0	< 0.005	0.01	0.03	40.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.52	0.00	0.00	42.4	42.4	0.00	4.24	4.24	—	74.7	74.7	< 0.005	< 0.005	0.12	75.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	5.28	5.28	< 0.005	< 0.005	< 0.005	5.51
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.78	0.78	< 0.005	0.08	0.08	—	6.46	6.46	< 0.005	< 0.005	< 0.005	6.78

3.10. Linear, Grading & Excavation (2029) - 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	2.63	2.50	19.7	113	0.18	0.52	—	0.52	0.51	—	0.51	—	19,969	19,969	0.81	0.16	—	20,037
Dust From Material Movement	—	—	—	—	—	—	9.54	9.54	—	1.03	1.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.1	51.1	< 0.005	0.01	0.07	53.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.63	2.50	19.7	113	0.18	0.52	—	0.52	0.51	—	0.51	—	19,969	19,969	0.81	0.16	—	20,037

Dust From Material Movement	—	—	—	—	—	—	9.54	9.54	—	1.03	1.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.2	51.2	< 0.005	0.01	< 0.005	53.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.88	1.78	14.1	80.4	0.13	0.37	—	0.37	0.36	—	0.36	—	14,263	14,263	0.58	0.12	—	14,312
Dust From Material Movement	—	—	—	—	—	—	6.82	6.82	—	0.74	0.74	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	36.5	36.5	< 0.005	0.01	0.02	38.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.33	2.57	14.7	0.02	0.07	—	0.07	0.07	—	0.07	—	2,361	2,361	0.10	0.02	—	2,370
Dust From Material Movement	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	6.05	6.05	< 0.005	< 0.005	< 0.005	6.34
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.49	0.29	4.49	0.00	0.00	333	333	0.00	33.3	33.3	—	671	671	0.04	0.03	2.28	682
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	44.6	44.6	< 0.005	0.01	0.08	46.6
Hauling	< 0.005	< 0.005	0.08	0.01	< 0.005	< 0.005	6.11	6.11	< 0.005	0.61	0.61	—	54.7	54.7	< 0.005	0.01	0.08	57.3

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.50	0.29	4.14	0.00	0.00	333	333	0.00	33.3	33.3	—	653	653	0.04	0.03	0.06	663
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	44.7	44.7	< 0.005	0.01	< 0.005	46.6
Hauling	< 0.005	< 0.005	0.08	0.01	< 0.005	< 0.005	6.11	6.11	< 0.005	0.61	0.61	—	54.7	54.7	< 0.005	0.01	< 0.005	57.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.33	0.24	2.84	0.00	0.00	232	232	0.00	23.2	23.2	—	451	451	0.03	0.02	0.70	458
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	3.85	3.85	< 0.005	0.39	0.39	—	31.9	31.9	< 0.005	< 0.005	0.02	33.3
Hauling	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	4.25	4.25	< 0.005	0.43	0.43	—	39.0	39.0	< 0.005	0.01	0.03	40.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.52	0.00	0.00	42.4	42.4	0.00	4.24	4.24	—	74.7	74.7	< 0.005	< 0.005	0.12	75.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	5.28	5.28	< 0.005	< 0.005	< 0.005	5.51
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.78	0.78	< 0.005	0.08	0.08	—	6.46	6.46	< 0.005	< 0.005	< 0.005	6.78

3.11. Linear, Grading & Excavation (2030) - 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	2.61	2.48	19.4	113	0.18	0.51	—	0.51	0.49	—	0.49	—	19,969	19,969	0.81	0.16	—	20,037
Dust From Material Movement	—	—	—	—	—	—	9.54	9.54	—	1.03	1.03	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	49.9	49.9	< 0.005	0.01	0.07	52.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20,037
Off-Road Equipment	2.61	2.48	19.4	113	0.18	0.51	—	0.51	0.49	—	0.49	—	19,969	19,969	0.81	0.16	—	
Dust From Material Movement	—	—	—	—	—	—	9.54	9.54	—	1.03	1.03	—	—	—	—	—	—	
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	50.0	50.0	< 0.005	0.01	< 0.005	52.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.55	1.47	11.5	67.0	0.11	0.30	—	0.30	0.29	—	0.29	—	11,880	11,880	0.48	0.10	—	11,920
Dust From Material Movement	—	—	—	—	—	—	5.68	5.68	—	0.61	0.61	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	12.5	12.5	< 0.005	1.25	1.25	—	29.7	29.7	< 0.005	< 0.005	0.02	31.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.27	2.11	12.2	0.02	0.06	—	0.06	0.05	—	0.05	—	1,967	1,967	0.08	0.02	—	1,974
Dust From Material Movement	—	—	—	—	—	—	1.04	1.04	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.29	2.29	< 0.005	0.23	0.23	—	4.92	4.92	< 0.005	< 0.005	< 0.005	5.15

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.49	0.47	0.27	4.13	0.00	0.00	333	333	0.00	33.3	33.3	—	659	659	0.04	0.03	2.10	670
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	43.4	43.4	< 0.005	0.01	0.07	45.3
Hauling	< 0.005	< 0.005	0.08	0.01	< 0.005	< 0.005	6.11	6.11	< 0.005	0.61	0.61	—	53.4	53.4	< 0.005	0.01	0.08	56.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.48	0.27	3.80	0.00	0.00	333	333	0.00	33.3	33.3	—	642	642	0.04	0.03	0.05	651
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	43.5	43.5	< 0.005	0.01	< 0.005	45.3
Hauling	< 0.005	< 0.005	0.08	0.01	< 0.005	< 0.005	6.11	6.11	< 0.005	0.61	0.61	—	53.4	53.4	< 0.005	0.01	< 0.005	55.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.26	0.19	2.18	0.00	0.00	193	193	0.00	19.3	19.3	—	369	369	0.02	0.02	0.54	375
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	3.21	3.21	< 0.005	0.32	0.32	—	25.8	25.8	< 0.005	< 0.005	0.02	26.9
Hauling	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	3.54	3.54	< 0.005	0.35	0.36	—	31.8	31.8	< 0.005	< 0.005	0.02	33.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.40	0.00	0.00	35.3	35.3	0.00	3.53	3.53	—	61.1	61.1	< 0.005	< 0.005	0.09	62.1
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.58	0.59	< 0.005	0.06	0.06	—	4.28	4.28	< 0.005	< 0.005	< 0.005	4.46
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.65	0.65	< 0.005	0.06	0.06	—	5.26	5.26	< 0.005	< 0.005	< 0.005	5.51

3.12. Linear, Grading & Excavation (2030) - 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	2.61	2.48	19.4	113	0.18	0.51	—	0.51	0.49	—	0.49	—	0.49	—	19,969	19,969	0.81	0.16	—	20,037
Dust From Material Movement	—	—	—	—	—	—	9.54	9.54	1.03	1.03	1.03	—	1.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	2.16	—	49.9	49.9	< 0.005	0.01	0.07	52.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.61	2.48	19.4	113	0.18	0.51	—	0.51	0.49	—	0.49	—	0.49	—	19,969	19,969	0.81	0.16	—	20,037
Dust From Material Movement	—	—	—	—	—	—	9.54	9.54	1.03	1.03	1.03	—	1.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	2.16	—	49.9	49.9	< 0.005	0.01	0.07	52.4
Off-Road Equipment	1.55	1.47	11.5	67.0	0.11	0.30	—	0.30	0.29	—	0.29	—	0.29	—	11,880	11,880	0.48	0.10	—	11,920
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	2.16	—	50.0	50.0	< 0.005	0.01	< 0.005	52.3
Dust From Material Movement	—	—	—	—	—	—	9.54	9.54	1.03	1.03	1.03	—	1.03	—	—	—	—	—	—	—
Off-Road Equipment	1.55	1.47	11.5	67.0	0.11	0.30	—	0.30	0.29	—	0.29	—	0.29	—	11,880	11,880	0.48	0.10	—	11,920
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.27	2.11	12.2	0.02	0.06	—	0.06	0.05	—	0.05	—	0.05	—	1,967	1,967	0.08	0.02	—	1,974

Dust From Material Movement	—	—	—	—	—	—	1.04	1.04	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.29	2.29	< 0.005	0.23	0.23	—	4.92	4.92	< 0.005	< 0.005	< 0.005	5.15
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.49	0.47	0.27	4.13	0.00	0.00	333	333	0.00	33.3	33.3	—	659	659	0.04	0.03	2.10	670
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	43.4	43.4	< 0.005	0.01	0.07	45.3
Hauling	< 0.005	< 0.005	0.08	0.01	< 0.005	< 0.005	6.11	6.11	< 0.005	0.61	0.61	—	53.4	53.4	< 0.005	0.01	0.08	56.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.48	0.27	3.80	0.00	0.00	333	333	0.00	33.3	33.3	—	642	642	0.04	0.03	0.05	651
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	43.5	43.5	< 0.005	0.01	< 0.005	45.3
Hauling	< 0.005	< 0.005	0.08	0.01	< 0.005	< 0.005	6.11	6.11	< 0.005	0.61	0.61	—	53.4	53.4	< 0.005	0.01	< 0.005	55.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.26	0.19	2.18	0.00	0.00	193	193	0.00	19.3	19.3	—	369	369	0.02	0.02	0.54	375
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	3.21	3.21	< 0.005	0.32	0.32	—	25.8	25.8	< 0.005	< 0.005	0.02	26.9
Hauling	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	3.54	3.54	< 0.005	0.35	0.36	—	31.8	31.8	< 0.005	< 0.005	0.02	33.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.40	0.00	0.00	35.3	35.3	0.00	3.53	3.53	—	61.1	61.1	< 0.005	< 0.005	0.09	62.1
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.58	0.59	< 0.005	0.06	0.06	—	4.28	4.28	< 0.005	< 0.005	< 0.005	4.46
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.65	0.65	< 0.005	0.06	0.06	—	5.26	5.26	< 0.005	< 0.005	< 0.005	5.51

3.13. Linear, Drainage, Utilities, & Sub-Grade (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	0.29	—	0.29	—	15,737	15,737	0.64	0.13	—	15,791
Dust From Material Movement	—	—	—	—	—	—	7.95	7.95	—	0.86	0.86	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.3	52.3	< 0.005	0.01	< 0.005	54.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	1.10	10.1	0.02	0.04	—	0.04	0.04	—	0.04	—	1,909	1,909	0.08	0.02	—	1,916
Dust From Material Movement	—	—	—	—	—	—	0.97	0.97	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.56	2.56	< 0.005	0.26	0.26	—	6.34	6.34	< 0.005	< 0.005	< 0.005	6.64
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.20	1.85	< 0.005	0.01	—	0.01	0.01	—	0.01	—	316	316	0.01	< 0.005	—	317

Dust From Material Movement	—	—	—	—	—	—	0.18	0.18	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.47	0.47	< 0.005	0.05	0.05	—	1.05	1.05	< 0.005	< 0.005	< 0.005	1.10
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.38	0.24	3.22	0.00	0.00	238	238	0.00	23.8	23.8	—	475	475	0.03	0.02	0.05	482
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	0.05	0.04	0.03	0.37	0.00	0.00	28.2	28.2	0.00	2.82	2.82	—	55.7	55.7	< 0.005	< 0.005	0.09	56.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	5.14	5.14	0.00	0.51	0.51	—	9.23	9.23	< 0.005	< 0.005	0.02	9.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Linear, Drainage, Utilities, & Sub-Grade (2028) - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	0.29	—	0.29	—	15,737	15,737	0.64	0.13	—	15,791
Dust From Material Movement	—	—	—	—	—	—	7.95	7.95	—	0.86	0.86	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.3	52.3	< 0.005	0.01	< 0.005	54.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	1.10	10.1	0.02	0.04	—	0.04	0.04	—	0.04	—	1,909	1,909	0.08	0.02	—	1,916
Dust From Material Movement	—	—	—	—	—	—	0.97	0.97	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.56	2.56	< 0.005	0.26	0.26	—	6.34	6.34	< 0.005	< 0.005	< 0.005	6.64
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.20	1.85	< 0.005	0.01	—	0.01	0.01	—	0.01	—	316	316	0.01	< 0.005	—	317
Dust From Material Movement	—	—	—	—	—	—	0.18	0.18	—	0.02	0.02	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.47	0.47	< 0.005	0.05	0.05	—	1.05	1.05	< 0.005	< 0.005	< 0.005	1.10
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.38	0.24	3.22	0.00	0.00	238	238	0.00	23.8	23.8	—	475	475	0.03	0.02	0.05	482
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	0.05	0.04	0.03	0.37	0.00	0.00	28.2	28.2	0.00	2.82	2.82	—	55.7	55.7	< 0.005	< 0.005	0.09	56.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	5.14	5.14	0.00	0.51	0.51	—	9.23	9.23	< 0.005	< 0.005	0.02	9.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Linear, Drainage, Utilities, & Sub-Grade (2029) - 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	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	0.29	—	0.29	—	15,733	15,733	0.64	0.13	—	15,787
Dust From Material Movement	—	—	—	—	—	—	7.95	7.95	—	0.86	0.86	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.1	51.1	< 0.005	0.01	0.07	53.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	0.29	—	0.29	—	15,733	15,733	0.64	0.13	—	15,787
Dust From Material Movement	—	—	—	—	—	—	7.95	7.95	—	0.86	0.86	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.2	51.2	< 0.005	0.01	< 0.005	53.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	1.05	6.48	59.6	0.11	0.21	—	0.21	0.21	—	0.21	—	11,238	11,238	0.46	0.09	—	11,277
Dust From Material Movement	—	—	—	—	—	—	5.68	5.68	—	0.61	0.61	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	36.5	36.5	< 0.005	0.01	0.02	38.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Clearlake Airport Redevelopment Project - RIDA Alternative Detailed Report, 10/25/2025

Off-Road Equipm	0.19	0.19	1.18	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,861	1,861	0.08	0.02	—	1,867
Dust From Material Movement	—	—	—	—	—	—	1.04	1.04	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	6.05	6.05	< 0.005	< 0.005	< 0.005	6.34
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.35	0.21	3.21	0.00	0.00	238	238	0.00	23.8	23.8	—	479	479	0.03	0.02	1.63	487
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	0.38	0.36	0.21	2.96	0.00	0.00	238	238	0.00	23.8	23.8	—	467	467	0.03	0.02	0.04	473
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.17	2.03	0.00	0.00	166	166	0.00	16.6	16.6	—	322	322	0.02	0.01	0.50	327
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.37	0.00	0.00	30.3	30.3	0.00	3.03	3.03	—	53.4	53.4	< 0.005	< 0.005	0.08	54.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Linear, Drainage, Utilities, & Sub-Grade (2029) - 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	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	0.29	—	0.29	—	15,733	15,733	0.64	0.13	—	15,787
Dust From Material Movement	—	—	—	—	—	—	7.95	7.95	—	0.86	0.86	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.1	51.1	< 0.005	0.01	0.07	53.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	0.29	—	0.29	—	15,733	15,733	0.64	0.13	—	15,787
Dust From Material Movement	—	—	—	—	—	—	7.95	7.95	—	0.86	0.86	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.2	51.2	< 0.005	0.01	< 0.005	53.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	1.05	6.48	59.6	0.11	0.21	—	0.21	0.21	—	0.21	—	11,238	11,238	0.46	0.09	—	11,277

Dust From Material Movement	—	—	—	—	—	—	5.68	5.68	—	0.61	0.61	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	36.5	36.5	< 0.005	0.01	0.02	38.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.18	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,861	1,861	0.08	0.02	—	1,867
Dust From Material Movement	—	—	—	—	—	—	1.04	1.04	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	6.05	6.05	< 0.005	< 0.005	< 0.005	6.34
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.35	0.21	3.21	0.00	0.00	238	238	0.00	23.8	23.8	—	479	479	0.03	0.02	1.63	487
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	0.38	0.36	0.21	2.96	0.00	0.00	238	238	0.00	23.8	23.8	—	467	467	0.03	0.02	0.04	473
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.17	2.03	0.00	0.00	166	166	0.00	16.6	16.6	—	322	322	0.02	0.01	0.50	327
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.37	0.00	0.00	30.3	30.3	0.00	3.03	3.03	—	53.4	53.4	< 0.005	< 0.005	0.08	54.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Linear, Drainage, Utilities, & Sub-Grade (2030) - 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	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	0.29	—	0.29	—	15,733	15,733	0.64	0.13	—	15,787
Dust From Material Movement	—	—	—	—	—	—	7.95	7.95	—	0.86	0.86	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	49.9	49.9	< 0.005	0.01	0.07	52.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	0.29	—	0.29	—	15,733	15,733	0.64	0.13	—	15,787
Dust From Material Movement	—	—	—	—	—	—	7.95	7.95	—	0.86	0.86	—	—	—	—	—	—	—

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Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	50.0	50.0	< 0.005	0.01	< 0.005	52.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	1.05	6.48	59.6	0.11	0.21	—	0.21	0.21	—	0.21	—	11,238	11,238	0.46	0.09	—	11,277
Dust From Material Movement	—	—	—	—	—	—	5.68	5.68	—	0.61	0.61	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	35.7	35.7	< 0.005	0.01	0.02	37.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.18	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,861	1,861	0.08	0.02	—	1,867
Dust From Material Movement	—	—	—	—	—	—	1.04	1.04	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	5.91	5.91	< 0.005	< 0.005	< 0.005	6.19
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.33	0.19	2.95	0.00	0.00	238	238	0.00	23.8	23.8	—	470	470	0.03	0.02	1.50	478
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	0.36	0.34	0.19	2.72	0.00	0.00	238	238	0.00	23.8	23.8	—	458	458	0.03	0.02	0.04	465

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	0.24	0.23	0.16	1.87	0.00	0.00	166	166	0.00	16.6	16.6	—	317	317	0.02	0.01	0.46	322
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	0.04	0.04	0.03	0.34	0.00	0.00	30.3	30.3	0.00	3.03	3.03	—	52.4	52.4	< 0.005	< 0.005	0.08	53.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	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. Linear, Drainage, Utilities, & Sub-Grade (2030) - 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	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	0.29	—	0.29	—	15,733	15,733	0.64	0.13	—	15,787
Dust From Material Movement	—	—	—	—	—	—	7.95	7.95	—	0.86	0.86	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	49.9	49.9	< 0.005	0.01	0.07	52.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	0.29	—	0.29	—	15,733	15,733	0.64	0.13	—	15,787
Dust From Material Movement	—	—	—	—	—	—	7.95	7.95	—	0.86	0.86	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	50.0	50.0	< 0.005	0.01	< 0.005	52.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	1.05	6.48	59.6	0.11	0.21	—	0.21	0.21	—	0.21	—	11,238	11,238	0.46	0.09	—	11,277
Dust From Material Movement	—	—	—	—	—	—	5.68	5.68	—	0.61	0.61	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	35.7	35.7	< 0.005	0.01	0.02	37.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.18	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,861	1,861	0.08	0.02	—	1,867
Dust From Material Movement	—	—	—	—	—	—	1.04	1.04	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	5.91	5.91	< 0.005	< 0.005	< 0.005	6.19
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.33	0.19	2.95	0.00	0.00	238	238	0.00	23.8	23.8	—	470	470	0.03	0.02	1.50	478
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	0.36	0.34	0.19	2.72	0.00	0.00	238	238	0.00	23.8	23.8	—	458	458	0.03	0.02	0.04	465
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	0.24	0.23	0.16	1.87	0.00	0.00	166	166	0.00	16.6	16.6	—	317	317	0.02	0.01	0.46	322
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	0.04	0.04	0.03	0.34	0.00	0.00	30.3	30.3	0.00	3.03	3.03	—	52.4	52.4	< 0.005	< 0.005	0.08	53.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	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. Linear, Drainage, Utilities, & Sub-Grade (2031) - 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	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	0.29	—	0.29	—	15,733	15,733	0.64	0.13	—	15,787
Dust From Material Movement	—	—	—	—	—	—	7.95	7.95	—	0.86	0.86	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.8	48.8	< 0.005	0.01	0.06	51.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	0.29	—	0.29	—	15,733	15,733	0.64	0.13	—	15,787
Dust From Material Movement	—	—	—	—	—	—	7.95	7.95	—	0.86	0.86	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.9	48.9	< 0.005	0.01	< 0.005	51.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.52	3.21	29.6	0.05	0.10	—	0.10	0.10	—	0.10	—	5,573	5,573	0.23	0.05	—	5,592
Dust From Material Movement	—	—	—	—	—	—	2.82	2.82	—	0.30	0.30	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	7.47	7.47	< 0.005	0.75	0.75	—	17.3	17.3	< 0.005	< 0.005	0.01	18.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	0.59	5.39	0.01	0.02	—	0.02	0.02	—	0.02	—	923	923	0.04	0.01	—	926
Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.36	1.36	< 0.005	0.14	0.14	—	2.86	2.86	< 0.005	< 0.005	< 0.005	3.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.30	0.17	2.70	0.00	0.00	238	238	0.00	23.8	23.8	—	462	462	0.02	0.02	1.37	470
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.31	0.17	2.49	0.00	0.00	238	238	0.00	23.8	23.8	—	450	450	0.02	0.02	0.04	457
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	0.11	0.10	0.07	0.85	0.00	0.00	82.2	82.2	0.00	8.22	8.22	—	154	154	0.01	0.01	0.21	157
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	0.02	0.02	0.01	0.16	0.00	0.00	15.0	15.0	0.00	1.50	1.50	—	25.5	25.5	< 0.005	< 0.005	0.03	26.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Linear, Drainage, Utilities, & Sub-Grade (2031) - 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	1.47	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	7.95	7.95	21.6	< 0.005	< 0.005	< 0.005	21.6	2.16	2.16	—	15,733	15,733	15,733	0.64	0.13	—	15,787
Dust From Material Movement	—	—	—	—	—	—	—	—	—	7.95	7.95	21.6	< 0.005	< 0.005	< 0.005	21.6	2.16	2.16	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	< 0.005	21.6	7.95	7.95	21.6	< 0.005	< 0.005	< 0.005	21.6	2.16	2.16	—	48.8	48.8	48.8	< 0.005	0.01	0.06	51.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road	1.47	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	7.95	7.95	21.6	< 0.005	< 0.005	< 0.005	21.6	2.16	2.16	—	15,733	15,733	15,733	0.64	0.13	—	15,787
Dust From Material Movement	—	—	—	—	—	—	—	—	—	7.95	7.95	21.6	< 0.005	< 0.005	< 0.005	21.6	2.16	2.16	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	< 0.005	21.6	7.95	7.95	21.6	< 0.005	< 0.005	< 0.005	21.6	2.16	2.16	—	48.8	48.8	48.8	< 0.005	0.01	0.06	51.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road	1.47	1.47	1.47	9.07	83.4	0.15	0.29	—	0.29	7.95	7.95	21.6	< 0.005	< 0.005	< 0.005	21.6	2.16	2.16	—	15,733	15,733	15,733	0.64	0.13	—	15,787
Dust From Material Movement	—	—	—	—	—	—	—	—	—	7.95	7.95	21.6	< 0.005	< 0.005	< 0.005	21.6	2.16	2.16	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	7.47	7.47	7.47	7.47	< 0.005	< 0.005	< 0.005	7.47	0.75	0.75	—	17.3	17.3	17.3	< 0.005	< 0.005	0.01	18.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road	0.09	0.09	0.09	0.59	5.39	0.01	0.02	—	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	—	923	923	923	0.04	0.01	—	926
Dust From Material Movement	—	—	—	—	—	—	—	—	—	2.82	2.82	2.82	—	—	—	0.30	0.30	0.30	—	—	—	—	—	—	—	—

Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.36	1.36	< 0.005	0.14	0.14	—	2.86	2.86	< 0.005	< 0.005	< 0.005	3.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.30	0.17	2.70	0.00	0.00	238	238	0.00	23.8	23.8	—	462	462	0.02	0.02	1.37	470
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.31	0.17	2.49	0.00	0.00	238	238	0.00	23.8	23.8	—	450	450	0.02	0.02	0.04	457
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	0.11	0.10	0.07	0.85	0.00	0.00	82.2	82.2	0.00	8.22	8.22	—	154	154	0.01	0.01	0.21	157
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	0.02	0.02	0.01	0.16	0.00	0.00	15.0	15.0	0.00	1.50	1.50	—	25.5	25.5	< 0.005	< 0.005	0.03	26.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Linear, Paving (2030) - 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	0.31	0.31	3.83	20.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,954	2,954	0.12	0.02	—	2,965
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	49.9	49.9	< 0.005	0.01	0.07	52.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.31	3.83	20.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,954	2,954	0.12	0.02	—	2,965
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	50.0	50.0	< 0.005	0.01	< 0.005	52.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	1.38	7.45	0.01	0.02	—	0.02	0.02	—	0.02	—	1,064	1,064	0.04	0.01	—	1,067
Onsite truck	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	7.60	7.60	< 0.005	0.76	0.76	—	18.0	18.0	< 0.005	< 0.005	0.01	18.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.25	1.36	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	176	176	0.01	< 0.005	—	177
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.39	1.39	< 0.005	0.14	0.14	—	2.98	2.98	< 0.005	< 0.005	< 0.005	3.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.19	0.11	1.65	0.00	0.00	133	133	0.00	13.3	13.3	—	263	263	0.01	0.01	0.84	268
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	0.20	0.19	0.11	1.52	0.00	0.00	133	133	0.00	13.3	13.3	—	257	257	0.01	0.01	0.02	260
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	0.07	0.06	0.05	0.53	0.00	0.00	46.8	46.8	0.00	4.68	4.68	—	89.4	89.4	0.01	< 0.005	0.13	90.8
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	0.01	0.01	0.01	0.10	0.00	0.00	8.54	8.54	0.00	0.85	0.85	—	14.8	14.8	< 0.005	< 0.005	0.02	15.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Linear, Paving (2030) - 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 Equipm	0.31	0.31	3.83	20.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,954	2,954	0.12	0.02	—	2,965
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	49.9	49.9	< 0.005	0.01	0.07	52.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.31	0.31	3.83	20.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,954	2,954	0.12	0.02	—	2,965
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	50.0	50.0	< 0.005	0.01	< 0.005	52.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.11	0.11	1.38	7.45	0.01	0.02	—	0.02	0.02	—	0.02	—	1,064	1,064	0.04	0.01	—	1,067
Onsite truck	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	7.60	7.60	< 0.005	0.76	0.76	—	18.0	18.0	< 0.005	< 0.005	0.01	18.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.02	0.02	0.25	1.36	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	176	176	0.01	< 0.005	—	177
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.39	1.39	< 0.005	0.14	0.14	—	2.98	2.98	< 0.005	< 0.005	< 0.005	3.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.19	0.11	1.65	0.00	0.00	133	133	0.00	13.3	13.3	—	263	263	0.01	0.01	0.84	268
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	0.20	0.19	0.11	1.52	0.00	0.00	133	133	0.00	13.3	13.3	—	257	257	0.01	0.01	0.02	260
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	0.07	0.06	0.05	0.53	0.00	0.00	46.8	46.8	0.00	4.68	4.68	—	89.4	89.4	0.01	< 0.005	0.13	90.8
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	0.01	0.01	0.01	0.10	0.00	0.00	8.54	8.54	0.00	0.85	0.85	—	14.8	14.8	< 0.005	< 0.005	0.02	15.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Linear, Paving (2031) - 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	0.31	0.31	3.83	20.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,954	2,954	0.12	0.02	—	2,965
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.8	48.8	< 0.005	0.01	0.06	51.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.31	0.31	3.83	20.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,954	2,954	0.12	0.02	—	2,965
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.9	48.9	< 0.005	0.01	< 0.005	51.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	2.74	14.8	0.02	0.04	—	0.04	0.04	—	0.04	—	2,110	2,110	0.09	0.02	—	2,118
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	34.9	34.9	< 0.005	0.01	0.02	36.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.50	2.70	< 0.005	0.01	—	0.01	0.01	—	0.01	—	349	349	0.01	< 0.005	—	351
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	5.78	5.78	< 0.005	< 0.005	< 0.005	6.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.10	1.51	0.00	0.00	133	133	0.00	13.3	13.3	—	259	259	0.01	0.01	0.77	263
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	0.18	0.17	0.10	1.39	0.00	0.00	133	133	0.00	13.3	13.3	—	252	252	0.01	0.01	0.02	256
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	0.12	0.11	0.08	0.96	0.00	0.00	92.9	92.9	0.00	9.29	9.29	—	174	174	0.01	0.01	0.24	177
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	0.02	0.02	0.01	0.18	0.00	0.00	16.9	16.9	0.00	1.69	1.69	—	28.8	28.8	< 0.005	< 0.005	0.04	29.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	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. Linear, Paving (2031) - 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	0.31	0.31	3.83	20.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,954	2,954	0.12	0.02	—	2,965
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.8	48.8	< 0.005	0.01	0.06	51.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.31	3.83	20.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,954	2,954	0.12	0.02	—	2,965
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.9	48.9	< 0.005	0.01	< 0.005	51.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.22	0.22	2.74	14.8	0.02	0.04	—	0.04	—	0.04	—	0.04	0.04	0.02	0.04	0.09	0.02	—	2.118
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	15.1	1.50	1.50	< 0.005	—	15.1	1.50	< 0.005	0.01	34.9	0.01	0.02	36.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road	0.04	0.04	0.50	2.70	< 0.005	0.01	—	0.01	—	0.01	—	0.01	—	< 0.005	< 0.005	0.01	< 0.005	—	351
Equipment																			
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	0.27	0.27	< 0.005	—	2.75	0.27	< 0.005	5.78	5.78	< 0.005	< 0.005	6.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.10	1.51	0.00	0.00	133	13.3	13.3	0.00	—	133	13.3	0.00	259	259	0.01	0.01	263
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	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker (Max)																			
Worker	0.18	0.17	0.10	1.39	0.00	0.00	133	13.3	13.3	0.00	—	133	13.3	0.00	252	252	0.01	0.01	256
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	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	0.00
Average	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily																			
Worker	0.12	0.11	0.08	0.96	0.00	0.00	92.9	9.29	9.29	0.00	—	92.9	9.29	0.00	174	174	0.01	0.01	177
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	16.9	1.69	1.69	0.00	—	16.9	1.69	0.00	28.8	28.8	< 0.005	< 0.005	29.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	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
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3.25. Linear, Paving (2032) - 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	0.31	0.31	3.83	20.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,954	2,954	0.12	0.02	—	2,965
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.7	47.7	< 0.005	0.01	0.06	50.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.31	3.83	20.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,954	2,954	0.12	0.02	—	2,965
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.8	47.8	< 0.005	0.01	< 0.005	50.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.81	9.80	0.01	0.03	—	0.03	0.03	—	0.03	—	1,399	1,399	0.06	0.01	—	1,404
Onsite truck	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	9.99	9.99	< 0.005	1.00	1.00	—	22.6	22.6	< 0.005	< 0.005	0.01	23.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.03	0.03	0.33	1.79	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	232	232	0.01	< 0.005	—	232
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.82	1.82	< 0.005	0.18	0.18	—	3.74	3.74	< 0.005	< 0.005	< 0.005	3.92
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.08	1.39	0.00	0.00	133	133	0.00	13.3	13.3	—	255	255	0.01	0.01	0.70	258
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	0.17	0.16	0.09	1.28	0.00	0.00	133	133	0.00	13.3	13.3	—	248	248	0.01	0.01	0.02	251
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	0.08	0.07	0.05	0.58	0.00	0.00	61.6	61.6	0.00	6.16	6.16	—	114	114	< 0.005	0.01	0.14	115
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	11.2	11.2	0.00	1.12	1.12	—	18.8	18.8	< 0.005	< 0.005	0.02	19.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. Linear, Paving (2032) - 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
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.31	3.83	20.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,954	2,954	0.12	0.02	—	2,965
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.7	47.7	< 0.005	0.01	0.06	50.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.31	3.83	20.7	0.03	0.05	—	0.05	0.05	—	0.05	—	2,954	2,954	0.12	0.02	—	2,965
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.8	47.8	< 0.005	0.01	< 0.005	50.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.81	9.80	0.01	0.03	—	0.03	0.03	—	0.03	—	1,399	1,399	0.06	0.01	—	1,404
Onsite truck	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	9.99	9.99	< 0.005	1.00	1.00	—	22.6	22.6	< 0.005	< 0.005	0.01	23.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.33	1.79	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	232	232	0.01	< 0.005	—	232
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.82	1.82	< 0.005	0.18	0.18	—	3.74	3.74	< 0.005	< 0.005	< 0.005	3.92
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.08	1.39	0.00	0.00	133	133	0.00	13.3	13.3	—	255	255	0.01	0.01	0.70	258
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	0.17	0.16	0.09	1.28	0.00	0.00	133	133	0.00	13.3	13.3	—	248	248	0.01	0.01	0.02	251
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	0.08	0.07	0.05	0.58	0.00	0.00	61.6	61.6	0.00	6.16	6.16	—	114	114	< 0.005	0.01	0.14	115
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	11.2	11.2	0.00	1.12	1.12	—	18.8	18.8	< 0.005	< 0.005	0.02	19.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. Demolition (2026) - Unmitigated

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

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

Off-Road Equipment	Demolition	On	Onsite truck	Daily, Winter (Max)	Off-Road Equipment	Demolition	On	Onsite truck	Average Daily	Off-Road Equipment	Demolition	On	Onsite truck	Annual	Off-Road Equipment	Demolition	On	Onsite truck
0.51	—	—	< 0.005	—	0.51	—	—	< 0.005	—	0.18	—	—	< 0.005	—	0.03	—	—	< 0.005
0.51	—	—	< 0.005	—	0.51	—	—	< 0.005	—	0.18	—	—	< 0.005	—	0.03	—	—	< 0.005
2.63	—	—	0.10	—	2.63	—	—	0.10	—	0.94	—	—	0.04	—	0.17	—	—	0.01
31.7	—	—	0.02	—	31.7	—	—	0.02	—	11.4	—	—	0.01	—	2.08	—	—	< 0.005
0.05	—	—	< 0.005	—	0.05	—	—	< 0.005	—	0.02	—	—	< 0.005	—	< 0.005	—	—	< 0.005
0.10	—	—	< 0.005	—	0.10	—	—	< 0.005	—	0.04	—	—	< 0.005	—	0.01	—	—	< 0.005
—	—	—	21.6	—	—	—	—	21.6	—	—	—	—	7.57	—	—	—	—	1.38
0.08	—	—	< 0.005	—	0.10	—	0.08	< 0.005	—	0.04	—	0.03	< 0.005	—	0.01	0.01	0.01	< 0.005
0.01	—	—	< 0.005	—	—	—	0.01	< 0.005	—	—	—	< 0.005	0.76	—	—	< 0.005	—	0.14
0.10	—	—	< 0.005	—	0.10	—	0.01	< 0.005	—	0.04	—	—	0.76	—	0.01	< 0.005	—	0.14
—	—	—	< 0.005	—	—	—	—	< 0.005	—	—	—	—	19.5	—	319	—	—	—
5,371	—	—	54.2	—	5,371	—	—	54.3	—	1,928	—	—	19.5	—	319	—	—	3.22
0.22	—	—	< 0.005	—	0.22	—	—	< 0.005	—	0.08	—	—	< 0.005	—	0.01	—	—	< 0.005
0.04	—	—	0.01	—	0.04	—	—	0.01	—	0.02	—	—	< 0.005	—	< 0.005	—	—	< 0.005
—	—	—	56.9	—	—	—	—	< 0.005	—	—	—	—	20.4	—	—	—	—	3.38

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.13	1.80	0.00	0.00	105	105	0.00	10.5	10.5	—	223	223	0.01	0.01	0.89	226
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	47.5	47.5	< 0.005	0.01	0.11	49.6
Hauling	< 0.005	< 0.005	0.11	0.01	< 0.005	< 0.005	7.46	7.46	< 0.005	0.75	0.75	—	70.9	70.9	< 0.005	0.01	0.13	74.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.19	0.13	1.65	0.00	0.00	105	105	0.00	10.5	10.5	—	217	217	0.01	0.01	0.02	220
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	47.5	47.5	< 0.005	0.01	< 0.005	49.5
Hauling	< 0.005	< 0.005	0.11	0.01	< 0.005	< 0.005	7.46	7.46	< 0.005	0.75	0.75	—	70.9	70.9	< 0.005	0.01	< 0.005	74.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.57	0.00	0.00	36.7	36.7	0.00	3.67	3.67	—	75.2	75.2	0.01	< 0.005	0.14	76.4
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	1.93	1.93	< 0.005	0.19	0.19	—	17.0	17.0	< 0.005	< 0.005	0.02	17.8
Hauling	< 0.005	< 0.005	0.04	< 0.005	< 0.005	< 0.005	2.61	2.61	< 0.005	0.26	0.26	—	25.5	25.5	< 0.005	< 0.005	0.02	26.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	6.69	6.69	0.00	0.67	0.67	—	12.5	12.5	< 0.005	< 0.005	0.02	12.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.35	0.35	< 0.005	0.04	0.04	—	2.82	2.82	< 0.005	< 0.005	< 0.005	2.94
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.48	0.48	< 0.005	0.05	0.05	—	4.21	4.21	< 0.005	< 0.005	< 0.005	4.41

3.28. Demolition (2026) - Mitigated

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

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

Off-Road	0.51	0.51	2.63	31.7	0.05	0.10	—	0.10	0.10	—	0.10	—	5,371	5,371	0.22	0.04	—	5,389
Demolition	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	54.2	54.2	< 0.005	0.01	0.09	56.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.51	2.63	31.7	0.05	0.10	—	0.10	0.10	—	0.10	—	5,371	5,371	0.22	0.04	—	5,389
Demolition	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	54.3	54.3	< 0.005	0.01	< 0.005	56.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	0.94	11.4	0.02	0.04	—	0.04	0.04	—	0.04	—	1,928	1,928	0.08	0.02	—	1,934
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	7.57	7.57	< 0.005	0.76	0.76	—	19.5	19.5	< 0.005	< 0.005	0.01	20.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.17	2.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	319	319	0.01	< 0.005	—	320
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.38	1.38	< 0.005	0.14	0.14	—	3.22	3.22	< 0.005	< 0.005	< 0.005	3.38

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.13	1.80	0.00	0.00	105	105	0.00	10.5	10.5	—	223	223	0.01	0.01	0.89	226
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	47.5	47.5	< 0.005	0.01	0.11	49.6
Hauling	< 0.005	< 0.005	0.11	0.01	< 0.005	< 0.005	7.46	7.46	< 0.005	0.75	0.75	—	70.9	70.9	< 0.005	0.01	0.13	74.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.19	0.13	1.65	0.00	0.00	105	105	0.00	10.5	10.5	—	217	217	0.01	0.01	0.02	220
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	47.5	47.5	< 0.005	0.01	< 0.005	49.5
Hauling	< 0.005	< 0.005	0.11	0.01	< 0.005	< 0.005	7.46	7.46	< 0.005	0.75	0.75	—	70.9	70.9	< 0.005	0.01	< 0.005	74.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.57	0.00	0.00	36.7	36.7	0.00	3.67	3.67	—	75.2	75.2	0.01	< 0.005	0.14	76.4
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	1.93	1.93	< 0.005	0.19	0.19	—	17.0	17.0	< 0.005	< 0.005	0.02	17.8
Hauling	< 0.005	< 0.005	0.04	< 0.005	< 0.005	< 0.005	2.61	2.61	< 0.005	0.26	0.26	—	25.5	25.5	< 0.005	< 0.005	0.02	26.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	6.69	6.69	0.00	0.67	0.67	—	12.5	12.5	< 0.005	< 0.005	0.02	12.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.35	0.35	< 0.005	0.04	0.04	—	2.82	2.82	< 0.005	< 0.005	< 0.005	2.94
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.48	0.48	< 0.005	0.05	0.05	—	4.21	4.21	< 0.005	< 0.005	< 0.005	4.41

3.29. Site Preparation (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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[illegible]

Dust From Material Movement	—	—	—	—	—	—	2.49	2.49	—	1.28	1.28	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.60	1.60	< 0.005	0.16	0.16	—	3.74	3.74	< 0.005	< 0.005	< 0.005	3.92
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.11	1.63	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	202	202	0.01	0.01	0.81	206
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	47.5	47.5	< 0.005	0.01	0.11	49.6
Hauling	0.01	0.01	0.50	0.06	< 0.005	0.01	32.9	32.9	0.01	3.30	3.30	—	313	313	< 0.005	0.05	0.55	328
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.11	1.50	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	197	197	0.01	0.01	0.02	200
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	47.5	47.5	< 0.005	0.01	< 0.005	49.5
Hauling	0.01	0.01	0.50	0.06	< 0.005	0.01	32.9	32.9	0.01	3.30	3.30	—	313	313	< 0.005	0.05	0.01	328
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.60	0.00	0.00	38.7	38.7	0.00	3.87	3.87	—	79.4	79.4	0.01	< 0.005	0.15	80.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	2.25	2.25	< 0.005	0.22	0.23	—	19.8	19.8	< 0.005	< 0.005	0.02	20.7
Hauling	< 0.005	< 0.005	0.21	0.02	< 0.005	< 0.005	13.4	13.4	< 0.005	1.34	1.34	—	130	130	< 0.005	0.02	0.10	137
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	7.07	7.07	0.00	0.71	0.71	—	13.2	13.2	< 0.005	< 0.005	0.02	13.4
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.41	0.41	< 0.005	0.04	0.04	—	3.28	3.28	< 0.005	< 0.005	< 0.005	3.42
Hauling	< 0.005	< 0.005	0.04	< 0.005	< 0.005	< 0.005	2.44	2.44	< 0.005	0.24	0.25	—	21.6	21.6	< 0.005	< 0.005	0.02	22.6

3.30. Site Preparation (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	0.78	0.78	4.08	43.8	0.08	0.16	—	0.16	0.16	—	0.16	—	8,346	8,346	0.34	0.07	—	8,375
Dust From Material Movement	—	—	—	—	—	—	32.8	32.8	—	16.8	16.8	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	54.2	54.2	< 0.005	0.01	0.09	56.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.78	4.08	43.8	0.08	0.16	—	0.16	0.16	—	0.16	—	8,346	8,346	0.34	0.07	—	8,375
Dust From Material Movement	—	—	—	—	—	—	32.8	32.8	—	16.8	16.8	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	54.3	54.3	< 0.005	0.01	< 0.005	56.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.33	1.70	18.3	0.03	0.07	—	0.07	0.07	—	0.07	—	3,479	3,479	0.14	0.03	—	3,491
Dust From Material Movement	—	—	—	—	—	—	13.7	13.7	—	7.02	7.02	—	—	—	—	—	—	—

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Onsite truck	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	8.79	8.79	< 0.005	0.88	0.88	—	22.6	22.6	< 0.005	< 0.005	0.02	23.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.31	3.33	0.01	0.01	—	0.01	0.01	—	0.01	—	576	576	0.02	< 0.005	—	578
Dust From Material Movement	—	—	—	—	—	—	2.49	2.49	—	1.28	1.28	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.60	1.60	< 0.005	0.16	0.16	—	3.74	3.74	< 0.005	< 0.005	< 0.005	3.92
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.11	1.63	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	202	202	0.01	0.01	0.81	206
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	47.5	47.5	< 0.005	0.01	0.11	49.6
Hauling	0.01	0.01	0.50	0.06	< 0.005	0.01	32.9	32.9	0.01	3.30	3.30	—	313	313	< 0.005	0.05	0.55	328
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.11	1.50	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	197	197	0.01	0.01	0.02	200
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	47.5	47.5	< 0.005	0.01	< 0.005	49.5
Hauling	0.01	0.01	0.50	0.06	< 0.005	0.01	32.9	32.9	0.01	3.30	3.30	—	313	313	< 0.005	0.05	0.01	328
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.60	0.00	0.00	38.7	38.7	0.00	3.87	3.87	—	79.4	79.4	0.01	< 0.005	0.15	80.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	2.25	2.25	< 0.005	0.22	0.23	—	19.8	19.8	< 0.005	< 0.005	0.02	20.7
Hauling	< 0.005	< 0.005	0.21	0.02	< 0.005	< 0.005	13.4	13.4	< 0.005	1.34	1.34	—	130	130	< 0.005	0.02	0.10	137
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	7.07	7.07	0.00	0.71	0.71	—	13.2	13.2	< 0.005	< 0.005	0.02	13.4

Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.41	0.41	< 0.005	0.04	0.04	—	3.28	3.28	< 0.005	< 0.005	< 0.005	3.42
Hauling	< 0.005	< 0.005	0.04	< 0.005	< 0.005	< 0.005	2.44	2.44	< 0.005	0.24	0.25	—	21.6	21.6	< 0.005	< 0.005	0.02	22.6

3.31. Site Preparation (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 Equipm ent	0.78	0.78	4.08	43.8	0.08	0.16	—	0.16	0.16	—	0.16	—	8,346	8,346	0.34	0.07	—	8,374
Dust From Material Movement	—	—	—	—	—	—	32.8	32.8	—	16.8	16.8	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	53.3	53.3	< 0.005	0.01	0.09	55.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.78	0.78	4.08	43.8	0.08	0.16	—	0.16	0.16	—	0.16	—	8,346	8,346	0.34	0.07	—	8,374
Dust From Material Movement	—	—	—	—	—	—	32.8	32.8	—	16.8	16.8	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	53.3	53.3	< 0.005	0.01	< 0.005	55.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.56	0.56	2.91	31.3	0.06	0.11	—	0.11	0.11	—	0.11	—	5,961	5,961	0.24	0.05	—	5,982
Dust From Material Movement	—	—	—	—	—	—	23.4	23.4	—	12.0	12.0	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	38.1	38.1	< 0.005	0.01	0.03	39.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.53	5.71	0.01	0.02	—	0.02	0.02	—	0.02	—	987	987	0.04	0.01	—	990
Dust From Material Movement	—	—	—	—	—	—	4.27	4.27	—	2.19	2.19	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	6.31	6.31	< 0.005	< 0.005	< 0.005	6.61
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.10	1.50	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	199	199	0.01	0.01	0.76	202
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	46.7	46.7	< 0.005	0.01	0.10	48.8
Hauling	0.01	0.01	0.48	0.06	< 0.005	0.01	32.9	32.9	0.01	3.30	3.30	—	308	308	< 0.005	0.05	0.51	323
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.10	1.39	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	194	194	0.01	0.01	0.02	196
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	46.7	46.7	< 0.005	0.01	< 0.005	48.7
Hauling	0.01	0.01	0.48	0.06	< 0.005	0.01	32.9	32.9	0.01	3.30	3.30	—	308	308	< 0.005	0.05	0.01	322
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.08	0.95	0.00	0.00	66.3	66.3	0.00	6.63	6.63	—	134	134	0.01	0.01	0.23	136

Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	3.85	3.85	< 0.005	0.39	0.39	—	33.3	33.3	< 0.005	< 0.005	0.03	34.8
Hauling	0.01	< 0.005	0.36	0.04	< 0.005	< 0.005	22.9	22.9	< 0.005	2.30	2.30	—	220	220	< 0.005	0.04	0.16	230
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.17	0.00	0.00	12.1	12.1	0.00	1.21	1.21	—	22.1	22.1	< 0.005	< 0.005	0.04	22.5
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	5.52	5.52	< 0.005	< 0.005	0.01	5.76
Hauling	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	4.18	4.19	< 0.005	0.42	0.42	—	36.4	36.4	< 0.005	0.01	0.03	38.1

3.32. Site Preparation (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	0.78	0.78	4.08	43.8	0.08	0.16	—	0.16	0.16	—	0.16	—	8,346	8,346	0.34	0.07	—	8,374
Dust From Material Movement	—	—	—	—	—	—	32.8	32.8	—	16.8	16.8	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	53.3	53.3	< 0.005	0.01	0.09	55.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.78	4.08	43.8	0.08	0.16	—	0.16	0.16	—	0.16	—	8,346	8,346	0.34	0.07	—	8,374

Dust From Material Movement	—	—	—	—	—	—	32.8	32.8	—	16.8	16.8	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	53.3	53.3	< 0.005	0.01	< 0.005	55.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.56	2.91	31.3	0.06	0.11	—	0.11	0.11	—	0.11	—	5,961	5,961	0.24	0.05	—	5,982
Dust From Material Movement	—	—	—	—	—	—	23.4	23.4	—	12.0	12.0	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	38.1	38.1	< 0.005	0.01	0.03	39.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.53	5.71	0.01	0.02	—	0.02	0.02	—	0.02	—	987	987	0.04	0.01	—	990
Dust From Material Movement	—	—	—	—	—	—	4.27	4.27	—	2.19	2.19	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	6.31	6.31	< 0.005	< 0.005	< 0.005	6.61
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.10	1.50	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	199	199	0.01	0.01	0.76	202
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	46.7	46.7	< 0.005	0.01	0.10	48.8
Hauling	0.01	0.01	0.48	0.06	< 0.005	0.01	32.9	32.9	0.01	3.30	3.30	—	308	308	< 0.005	0.05	0.51	323

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.10	1.39	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	194	194	0.01	0.01	0.02	196
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	46.7	46.7	< 0.005	0.01	< 0.005	48.7
Hauling	0.01	0.01	0.48	0.06	< 0.005	0.01	32.9	32.9	0.01	3.30	3.30	—	308	308	< 0.005	0.05	0.01	322
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.08	0.95	0.00	0.00	66.3	66.3	0.00	6.63	6.63	—	134	134	0.01	0.01	0.23	136
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	3.85	3.85	< 0.005	0.39	0.39	—	33.3	33.3	< 0.005	< 0.005	0.03	34.8
Hauling	0.01	< 0.005	0.36	0.04	< 0.005	< 0.005	22.9	22.9	< 0.005	2.30	2.30	—	220	220	< 0.005	0.04	0.16	230
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.17	0.00	0.00	12.1	12.1	0.00	1.21	1.21	—	22.1	22.1	< 0.005	< 0.005	0.04	22.5
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	5.52	5.52	< 0.005	< 0.005	0.01	5.76
Hauling	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	4.18	4.19	< 0.005	0.42	0.42	—	36.4	36.4	< 0.005	0.01	0.03	38.1

3.33. Site Preparation (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.78	4.08	43.8	0.08	0.16	—	0.16	0.16	—	0.16	—	8,350	8,350	0.34	0.07	—	8,378
Dust From Material Movement	—	—	—	—	—	—	32.8	32.8	—	16.8	16.8	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.2	52.2	< 0.005	0.01	0.08	54.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.78	0.78	4.08	43.8	0.08	0.16	—	0.16	0.16	—	0.16	—	8,350	8,350	0.34	0.07	—	8,378
Dust From Material Movement	—	—	—	—	—	—	32.8	32.8	—	16.8	16.8	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.3	52.3	< 0.005	0.01	< 0.005	54.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.47	0.47	2.43	26.1	0.05	0.09	—	0.09	0.09	—	0.09	—	4,984	4,984	0.20	0.04	—	5,001
Dust From Material Movement	—	—	—	—	—	—	19.6	19.6	—	10.0	10.0	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	12.6	12.6	< 0.005	1.26	1.26	—	31.2	31.2	< 0.005	< 0.005	0.02	32.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.09	0.09	0.44	4.77	0.01	0.02	—	0.02	0.02	—	0.02	—	825	825	0.03	0.01	—	828
Dust From Material Movement	—	—	—	—	—	—	3.57	3.57	—	1.83	1.83	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.30	2.30	< 0.005	0.23	0.23	—	5.16	5.16	< 0.005	< 0.005	< 0.005	5.41

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.09	1.40	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	195	195	0.01	0.01	0.70	198
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	45.7	45.7	< 0.005	0.01	0.09	47.7
Hauling	0.01	0.01	0.46	0.05	< 0.005	0.01	32.9	32.9	< 0.005	3.30	3.30	—	301	301	< 0.005	0.05	0.48	316
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.10	1.29	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	190	190	0.01	0.01	0.02	193
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	45.7	45.7	< 0.005	0.01	< 0.005	47.7
Hauling	0.01	0.01	0.47	0.06	< 0.005	0.01	32.9	32.9	< 0.005	3.30	3.30	—	301	301	< 0.005	0.05	0.01	316
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.73	0.00	0.00	55.4	55.4	0.00	5.54	5.54	—	110	110	0.01	< 0.005	0.18	111
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	3.22	3.22	< 0.005	0.32	0.32	—	27.3	27.3	< 0.005	< 0.005	0.02	28.5
Hauling	0.01	< 0.005	0.29	0.03	< 0.005	< 0.005	19.2	19.2	< 0.005	1.92	1.92	—	180	180	< 0.005	0.03	0.12	188
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.13	0.00	0.00	10.1	10.1	0.00	1.01	1.01	—	18.2	18.2	< 0.005	< 0.005	0.03	18.4
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.59	0.59	< 0.005	0.06	0.06	—	4.52	4.52	< 0.005	< 0.005	< 0.005	4.71
Hauling	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	3.50	3.50	< 0.005	0.35	0.35	—	29.8	29.8	< 0.005	< 0.005	0.02	31.2

3.34. Site Preparation (2028) - Mitigated

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

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

Off-Road Equipment	Daily, Winter (Max)	Onsite truck	Dust From Material Movement	Off-Road Equipment	Daily Average	Onsite truck	Dust From Material Movement	Off-Road Equipment	Average Daily	Onsite truck	Dust From Material Movement	Off-Road Equipment	Annual	Onsite truck	Off-Road Equipment
0.78	—	< 0.005	—	0.78	—	< 0.005	—	0.47	—	< 0.005	—	0.09	—	< 0.005	0.09
4.08	—	< 0.005	—	4.08	—	< 0.005	—	2.43	—	0.10	—	0.44	—	0.06	0.44
43.8	—	0.02	—	43.8	—	0.02	—	26.1	—	0.02	—	4.77	—	0.01	4.77
0.16	—	< 0.005	—	0.16	—	< 0.005	—	0.09	—	< 0.005	—	0.02	—	< 0.005	0.02
—	—	21.6	32.8	—	—	21.6	32.8	—	—	21.6	32.8	—	—	12.6	—
0.16	—	< 0.005	—	0.16	—	< 0.005	—	0.09	—	< 0.005	—	0.02	—	< 0.005	0.02
—	—	2.16	16.8	—	—	2.16	16.8	—	—	2.16	16.8	—	—	1.26	—
0.16	—	2.16	16.8	0.16	—	2.16	16.8	0.09	—	2.16	16.8	0.09	—	1.26	0.02
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8,350	—	52.2	—	8,350	—	52.3	—	4,984	—	52.3	—	4,984	—	31.2	825
8,350	—	< 0.005	—	8,350	—	< 0.005	—	0.34	—	< 0.005	—	0.03	—	< 0.005	0.03
0.07	—	0.01	—	0.07	—	0.01	—	0.04	—	0.01	—	0.01	—	< 0.005	0.01
—	—	0.08	—	—	—	< 0.005	—	—	—	< 0.005	—	—	—	0.02	—
8,378	—	54.8	—	8,378	—	54.7	—	5,001	—	54.7	—	—	—	32.7	828

Dust From Material Movement	—	—	—	—	—	—	3.57	3.57	—	1.83	1.83	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.30	2.30	< 0.005	0.23	0.23	—	5.16	5.16	< 0.005	< 0.005	< 0.005	5.41
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.09	1.40	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	195	195	0.01	0.01	0.70	198
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	45.7	45.7	< 0.005	0.01	0.09	47.7
Hauling	0.01	0.01	0.46	0.05	< 0.005	0.01	32.9	32.9	< 0.005	3.30	3.30	—	301	301	< 0.005	0.05	0.48	316
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.10	1.29	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	190	190	0.01	0.01	0.02	193
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	45.7	45.7	< 0.005	0.01	< 0.005	47.7
Hauling	0.01	0.01	0.47	0.06	< 0.005	0.01	32.9	32.9	< 0.005	3.30	3.30	—	301	301	< 0.005	0.05	0.01	316
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.73	0.00	0.00	55.4	55.4	0.00	5.54	5.54	—	110	110	0.01	< 0.005	0.18	111
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	3.22	3.22	< 0.005	0.32	0.32	—	27.3	27.3	< 0.005	< 0.005	0.02	28.5
Hauling	0.01	< 0.005	0.29	0.03	< 0.005	< 0.005	19.2	19.2	< 0.005	1.92	1.92	—	180	180	< 0.005	0.03	0.12	188
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.13	0.00	0.00	10.1	10.1	0.00	1.01	1.01	—	18.2	18.2	< 0.005	< 0.005	0.03	18.4
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.59	0.59	< 0.005	0.06	0.06	—	4.52	4.52	< 0.005	< 0.005	< 0.005	4.71
Hauling	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	3.50	3.50	< 0.005	0.35	0.35	—	29.8	29.8	< 0.005	< 0.005	0.02	31.2

3.35. Grading (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.36	3.00	25.7	0.03	0.07	—	0.07	0.07	—	0.07	—	3,692	3,692	0.15	0.03	—	3,704
Dust From Material Movement	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	54.3	54.3	< 0.005	0.01	< 0.005	56.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.52	4.48	0.01	0.01	—	0.01	0.01	—	0.01	—	643	643	0.03	0.01	—	645
Dust From Material Movement	—	—	—	—	—	—	0.55	0.55	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	3.67	3.67	< 0.005	0.37	0.37	—	9.45	9.45	< 0.005	< 0.005	0.01	9.90
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.82	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	106	106	< 0.005	< 0.005	—	107

Dust From Material Movement	—	—	—	—	—	—	0.10	0.10	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.67	0.67	< 0.005	0.07	0.07	—	1.56	1.56	< 0.005	< 0.005	< 0.005	1.64
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.09	1.20	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	158	158	0.01	0.01	0.02	160
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	47.5	47.5	< 0.005	0.01	< 0.005	49.5
Hauling	0.01	0.01	0.72	0.08	0.01	0.01	47.1	47.1	0.01	4.71	4.72	—	447	447	< 0.005	0.07	0.02	468
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.20	0.00	0.00	12.9	12.9	0.00	1.29	1.29	—	26.6	26.6	< 0.005	< 0.005	0.05	27.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.94	0.94	< 0.005	0.09	0.09	—	8.27	8.27	< 0.005	< 0.005	0.01	8.63
Hauling	< 0.005	< 0.005	0.13	0.01	< 0.005	< 0.005	7.99	7.99	< 0.005	0.80	0.80	—	77.9	77.9	< 0.005	0.01	0.06	81.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	2.36	2.36	0.00	0.24	0.24	—	4.40	4.40	< 0.005	< 0.005	0.01	4.47
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	—	1.37	1.37	< 0.005	< 0.005	< 0.005	1.43
Hauling	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	1.46	1.46	< 0.005	0.15	0.15	—	12.9	12.9	< 0.005	< 0.005	0.01	13.5

3.36. Grading (2026) - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.36	3.00	25.7	0.03	0.07	—	0.07	0.07	—	0.07	—	3,692	3,692	0.15	0.03	—	3,704
Dust From Material Movement	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	54.3	54.3	< 0.005	0.01	< 0.005	56.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.52	4.48	0.01	0.01	—	0.01	0.01	—	0.01	—	643	643	0.03	0.01	—	645
Dust From Material Movement	—	—	—	—	—	—	0.55	0.55	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	3.67	3.67	< 0.005	0.37	0.37	—	9.45	9.45	< 0.005	< 0.005	0.01	9.90
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.82	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	106	106	< 0.005	< 0.005	—	107
Dust From Material Movement	—	—	—	—	—	—	0.10	0.10	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.67	0.67	< 0.005	0.07	0.07	—	1.56	1.56	< 0.005	< 0.005	< 0.005	1.64
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.09	1.20	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	158	158	0.01	0.01	0.02	160
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	47.5	47.5	< 0.005	0.01	< 0.005	49.5
Hauling	0.01	0.01	0.72	0.08	0.01	0.01	47.1	47.1	0.01	4.71	4.72	—	447	447	< 0.005	0.07	0.02	468
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.20	0.00	0.00	12.9	12.9	0.00	1.29	1.29	—	26.6	26.6	< 0.005	< 0.005	0.05	27.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.94	0.94	< 0.005	0.09	0.09	—	8.27	8.27	< 0.005	< 0.005	0.01	8.63
Hauling	< 0.005	< 0.005	0.13	0.01	< 0.005	< 0.005	7.99	7.99	< 0.005	0.80	0.80	—	77.9	77.9	< 0.005	0.01	0.06	81.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	2.36	2.36	0.00	0.24	0.24	—	4.40	4.40	< 0.005	< 0.005	0.01	4.47
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	—	1.37	1.37	< 0.005	< 0.005	< 0.005	1.43
Hauling	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	1.46	1.46	< 0.005	0.15	0.15	—	12.9	12.9	< 0.005	< 0.005	0.01	13.5

3.37. Grading (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	0.36	0.36	3.00	25.7	0.03	0.07	—	0.07	0.07	—	0.07	—	3,695	3,695	0.15	0.03	—	3,707
Dust From Material Movement	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	53.3	53.3	< 0.005	0.01	0.09	55.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.36	3.00	25.7	0.03	0.07	—	0.07	0.07	—	0.07	—	3,695	3,695	0.15	0.03	—	3,707
Dust From Material Movement	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	53.3	53.3	< 0.005	0.01	< 0.005	55.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.26	2.14	18.4	0.02	0.05	—	0.05	0.05	—	0.05	—	2,639	2,639	0.11	0.02	—	2,648
Dust From Material Movement	—	—	—	—	—	—	2.27	2.27	—	0.25	0.25	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	38.1	38.1	< 0.005	0.01	0.03	39.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipm	0.05	0.05	0.39	3.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	437	437	0.02	< 0.005	—	438
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	6.31	6.31	< 0.005	< 0.005	< 0.005	6.61
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.08	1.20	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	159	159	0.01	0.01	0.60	162
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	46.7	46.7	< 0.005	0.01	0.10	48.8
Hauling	0.01	0.01	0.69	0.08	< 0.005	0.01	47.1	47.1	0.01	4.71	4.72	—	439	439	< 0.005	0.07	0.73	461
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.08	1.11	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	155	155	0.01	0.01	0.02	157
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	46.7	46.7	< 0.005	0.01	< 0.005	48.7
Hauling	0.01	0.01	0.69	0.08	< 0.005	0.01	47.1	47.1	0.01	4.71	4.72	—	439	439	< 0.005	0.07	0.02	460
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.07	0.76	0.00	0.00	53.1	53.1	0.00	5.31	5.31	—	107	107	0.01	< 0.005	0.19	109
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	3.85	3.85	< 0.005	0.39	0.39	—	33.3	33.3	< 0.005	< 0.005	0.03	34.8
Hauling	0.01	0.01	0.51	0.06	< 0.005	0.01	32.8	32.8	0.01	3.28	3.29	—	314	314	< 0.005	0.05	0.23	329
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.14	0.00	0.00	9.69	9.69	0.00	0.97	0.97	—	17.7	17.7	< 0.005	< 0.005	0.03	18.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	5.52	5.52	< 0.005	< 0.005	0.01	5.76
Hauling	< 0.005	< 0.005	0.09	0.01	< 0.005	< 0.005	5.98	5.98	< 0.005	0.60	0.60	—	52.0	52.0	< 0.005	0.01	0.04	54.5

3.38. Grading (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	0.36	0.36	3.00	25.7	0.03	0.07	—	0.07	0.07	—	0.07	—	3,695	3,695	0.15	0.03	—	3,707
Dust From Material Movement	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	53.3	53.3	< 0.005	0.01	0.09	55.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.36	3.00	25.7	0.03	0.07	—	0.07	0.07	—	0.07	—	3,695	3,695	0.15	0.03	—	3,707
Dust From Material Movement	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	53.3	53.3	< 0.005	0.01	< 0.005	55.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.26	2.14	18.4	0.02	0.05	—	0.05	0.05	—	0.05	—	2,639	2,639	0.11	0.02	—	2,648

Dust From Material Movement	—	—	—	—	—	—	2.27	2.27	—	0.25	0.25	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	38.1	38.1	< 0.005	0.01	0.03	39.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.39	3.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	437	437	0.02	< 0.005	—	438
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	6.31	6.31	< 0.005	< 0.005	< 0.005	6.61
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.08	1.20	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	159	159	0.01	0.01	0.60	162
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	46.7	46.7	< 0.005	0.01	0.10	48.8
Hauling	0.01	0.01	0.69	0.08	< 0.005	0.01	47.1	47.1	0.01	4.71	4.72	—	439	439	< 0.005	0.07	0.73	461
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.08	1.11	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	155	155	0.01	0.01	0.02	157
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	46.7	46.7	< 0.005	0.01	< 0.005	48.7
Hauling	0.01	0.01	0.69	0.08	< 0.005	0.01	47.1	47.1	0.01	4.71	4.72	—	439	439	< 0.005	0.07	0.02	460
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.07	0.76	0.00	0.00	53.1	53.1	0.00	5.31	5.31	—	107	107	0.01	< 0.005	0.19	109
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	3.85	3.85	< 0.005	0.39	0.39	—	33.3	33.3	< 0.005	< 0.005	0.03	34.8

Hauling	0.01	0.01	0.51	0.06	< 0.005	0.01	32.8	32.8	0.01	3.28	3.29	—	314	314	< 0.005	0.05	0.23	329
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.14	0.00	0.00	9.69	9.69	0.00	0.97	0.97	—	17.7	17.7	< 0.005	< 0.005	0.03	18.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	5.52	5.52	< 0.005	< 0.005	0.01	5.76
Hauling	< 0.005	< 0.005	0.09	0.01	< 0.005	< 0.005	5.98	5.98	< 0.005	0.60	0.60	—	52.0	52.0	< 0.005	0.01	0.04	54.5

3.39. Grading (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.36	3.00	25.7	0.03	0.07	—	0.07	0.07	—	0.07	—	3,695	3,695	0.15	0.03	—	3,708
Dust From Material Movement	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.2	52.2	< 0.005	0.01	0.08	54.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.36	3.00	25.7	0.03	0.07	—	0.07	0.07	—	0.07	—	3,695	3,695	0.15	0.03	—	3,708
Dust From Material Movement	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.3	52.3	< 0.005	0.01	< 0.005	54.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.26	2.15	18.4	0.02	0.05	—	0.05	0.05	—	0.05	—	2,647	2,647	0.11	0.02	—	2,656
Dust From Material Movement	—	—	—	—	—	—	2.28	2.28	—	0.25	0.25	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.51	1.51	—	37.4	37.4	< 0.005	0.01	0.02	39.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.39	3.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	438	438	0.02	< 0.005	—	440
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.76	2.76	< 0.005	0.28	0.28	—	6.20	6.20	< 0.005	< 0.005	< 0.005	6.49
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.08	1.12	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	156	156	0.01	0.01	0.56	159
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	45.7	45.7	< 0.005	0.01	0.09	47.7
Hauling	0.01	0.01	0.66	0.08	< 0.005	0.01	47.1	47.1	0.01	4.71	4.72	—	431	431	< 0.005	0.07	0.68	451
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.08	1.03	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	152	152	0.01	0.01	0.01	154

Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	45.7	45.7	< 0.005	0.01	< 0.005	47.7
Hauling	0.01	0.01	0.67	0.08	< 0.005	0.01	47.1	47.1	0.01	4.71	4.72	—	431	431	< 0.005	0.07	0.02	451
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.71	0.00	0.00	53.2	53.2	0.00	5.32	5.32	—	105	105	0.01	< 0.005	0.17	107
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	3.86	3.86	< 0.005	0.39	0.39	—	32.7	32.7	< 0.005	< 0.005	0.03	34.1
Hauling	0.01	0.01	0.49	0.06	< 0.005	0.01	32.9	32.9	< 0.005	3.29	3.29	—	308	308	< 0.005	0.05	0.21	323
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.13	0.00	0.00	9.71	9.71	0.00	0.97	0.97	—	17.4	17.4	< 0.005	< 0.005	0.03	17.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	5.42	5.42	< 0.005	< 0.005	< 0.005	5.65
Hauling	< 0.005	< 0.005	0.09	0.01	< 0.005	< 0.005	6.00	6.00	< 0.005	0.60	0.60	—	51.1	51.1	< 0.005	0.01	0.03	53.5

3.40. Grading (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.36	3.00	25.7	0.03	0.07	—	0.07	0.07	—	0.07	—	3,695	3,695	0.15	0.03	—	3,708
Dust From Material Movement	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.2	52.2	< 0.005	0.01	0.08	54.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Clearlake Airport Redevelopment Project - RIDA Alternative Detailed Report, 10/25/2025

Off-Road Equipment	0.36	0.36	3.00	25.7	0.03	0.07	—	0.07	0.07	—	0.07	—	3,695	3,695	0.15	0.03	—	3,708
Dust From Material Movement	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.3	52.3	< 0.005	0.01	< 0.005	54.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.26	2.15	18.4	0.02	0.05	—	0.05	0.05	—	0.05	—	2,647	2,647	0.11	0.02	—	2,656
Dust From Material Movement	—	—	—	—	—	—	2.28	2.28	—	0.25	0.25	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.51	1.51	—	37.4	37.4	< 0.005	0.01	0.02	39.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.39	3.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	438	438	0.02	< 0.005	—	440
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.76	2.76	< 0.005	0.28	0.28	—	6.20	6.20	< 0.005	< 0.005	< 0.005	6.49
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.08	1.12	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	156	156	0.01	0.01	0.56	159
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	45.7	45.7	< 0.005	0.01	0.09	47.7

Hauling	0.01	0.01	0.66	0.08	< 0.005	0.01	47.1	47.1	0.01	4.71	4.72	—	431	431	< 0.005	0.07	0.68	451
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.08	1.03	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	152	152	0.01	0.01	0.01	154
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	45.7	45.7	< 0.005	0.01	< 0.005	47.7
Hauling	0.01	0.01	0.67	0.08	< 0.005	0.01	47.1	47.1	0.01	4.71	4.72	—	431	431	< 0.005	0.07	0.02	451
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.71	0.00	0.00	53.2	53.2	0.00	5.32	5.32	—	105	105	0.01	< 0.005	0.17	107
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	3.86	3.86	< 0.005	0.39	0.39	—	32.7	32.7	< 0.005	< 0.005	0.03	34.1
Hauling	0.01	0.01	0.49	0.06	< 0.005	0.01	32.9	32.9	< 0.005	3.29	3.29	—	308	308	< 0.005	0.05	0.21	323
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.13	0.00	0.00	9.71	9.71	0.00	0.97	0.97	—	17.4	17.4	< 0.005	< 0.005	0.03	17.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	5.42	5.42	< 0.005	< 0.005	< 0.005	5.65
Hauling	< 0.005	< 0.005	0.09	0.01	< 0.005	< 0.005	6.00	6.00	< 0.005	0.60	0.60	—	51.1	51.1	< 0.005	0.01	0.03	53.5

3.41. Grading (2029) - 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	0.36	0.36	3.00	25.7	0.03	0.07	—	0.07	0.07	—	0.07	—	3,694	3,694	0.15	0.03	—	3,706
Dust From Material Movement	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.1	51.1	< 0.005	0.01	0.07	53.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.36	0.36	3.00	25.7	0.03	0.07	—	0.07	0.07	—	0.07	—	3,694	3,694	0.15	0.03	—	3,706
Dust From Material Movement	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.2	51.2	< 0.005	0.01	< 0.005	53.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.26	0.26	2.14	18.4	0.02	0.05	—	0.05	0.05	—	0.05	—	2,638	2,638	0.11	0.02	—	2,647
Dust From Material Movement	—	—	—	—	—	—	2.27	2.27	—	0.25	0.25	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	36.5	36.5	< 0.005	0.01	0.02	38.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.05	0.05	0.39	3.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	437	437	0.02	< 0.005	—	438
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	6.05	6.05	< 0.005	< 0.005	< 0.005	6.34

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.03	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	153	153	0.01	0.01	0.52	156
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	44.6	44.6	< 0.005	0.01	0.08	46.6
Hauling	0.01	0.01	0.63	0.08	< 0.005	0.01	47.1	47.1	0.01	4.71	4.72	—	421	421	< 0.005	0.07	0.63	442
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	0.95	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	149	149	0.01	0.01	0.01	151
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	44.7	44.7	< 0.005	0.01	< 0.005	46.6
Hauling	0.01	0.01	0.64	0.08	< 0.005	0.01	47.1	47.1	0.01	4.71	4.72	—	421	421	< 0.005	0.07	0.02	441
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	0.65	0.00	0.00	53.1	53.1	0.00	5.31	5.31	—	103	103	0.01	< 0.005	0.16	105
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	3.85	3.85	< 0.005	0.39	0.39	—	31.9	31.9	< 0.005	< 0.005	0.02	33.3
Hauling	0.01	0.01	0.47	0.06	< 0.005	0.01	32.8	32.8	< 0.005	3.28	3.29	—	301	301	< 0.005	0.05	0.19	315
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	9.69	9.69	0.00	0.97	0.97	—	17.1	17.1	< 0.005	< 0.005	0.03	17.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	5.28	5.28	< 0.005	< 0.005	< 0.005	5.51
Hauling	< 0.005	< 0.005	0.09	0.01	< 0.005	< 0.005	5.98	5.98	< 0.005	0.60	0.60	—	49.8	49.8	< 0.005	0.01	0.03	52.2

3.42. Grading (2029) - 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	Off-Road Equipment	Daily, Winter (Max)	Onsite truck	Dust From Material Movement	Off-Road Equipment	Average Daily	Onsite truck	Dust From Material Movement	Off-Road Equipment	Annual	Onsite truck	Dust From Material Movement	Off-Road Equipment	Off-Road Equipment	111 / 267
0.36	0.36	—	< 0.005	—	0.36	—	< 0.005	—	0.36	—	< 0.005	—	0.05	0.05	—
3.00	3.00	—	< 0.005	—	3.00	—	< 0.005	—	3.00	—	< 0.005	—	0.05	0.39	—
25.7	25.7	—	0.02	—	25.7	—	0.02	—	18.4	—	0.01	—	3.36	3.36	—
0.03	0.03	—	< 0.005	—	0.03	—	< 0.005	—	0.02	—	< 0.005	—	< 0.005	< 0.005	—
0.07	0.07	—	< 0.005	—	0.07	—	< 0.005	—	0.05	—	< 0.005	—	0.01	0.01	—
—	—	—	21.6	3.18	—	—	21.6	3.18	—	—	15.1	2.27	—	0.01	—
0.07	0.07	—	21.6	3.18	0.07	—	21.6	3.18	0.05	—	15.1	2.27	—	0.01	—
0.07	0.07	—	< 0.005	—	0.07	—	< 0.005	—	0.05	—	< 0.005	—	0.01	0.01	—
—	—	—	2.16	0.34	—	—	2.16	0.34	—	—	1.50	0.25	—	—	—
0.07	0.07	—	2.16	0.34	0.07	—	2.16	0.34	0.05	—	1.50	0.25	—	0.01	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3,694	3,694	—	51.1	—	3,694	—	51.2	—	2,638	—	36.5	—	437	437	—
0.15	0.15	—	< 0.005	—	0.15	—	< 0.005	—	0.11	—	< 0.005	—	0.02	0.02	—
0.03	0.03	—	0.01	—	0.03	—	0.01	—	0.02	—	0.01	—	< 0.005	< 0.005	—
—	—	—	0.07	—	—	—	< 0.005	—	—	—	0.02	—	—	—	—
3,706	3,706	—	53.6	—	3,706	—	53.6	—	2,647	—	38.3	—	438	438	—

Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	6.05	6.05	< 0.005	< 0.005	< 0.005	6.34
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.03	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	153	153	0.01	0.01	0.52	156
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	44.6	44.6	< 0.005	0.01	0.08	46.6
Hauling	0.01	0.01	0.63	0.08	< 0.005	0.01	47.1	47.1	0.01	4.71	4.72	—	421	421	< 0.005	0.07	0.63	442
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	0.95	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	149	149	0.01	0.01	0.01	151
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	44.7	44.7	< 0.005	0.01	< 0.005	46.6
Hauling	0.01	0.01	0.64	0.08	< 0.005	0.01	47.1	47.1	0.01	4.71	4.72	—	421	421	< 0.005	0.07	0.02	441
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	0.65	0.00	0.00	53.1	53.1	0.00	5.31	5.31	—	103	103	0.01	< 0.005	0.16	105
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	3.85	3.85	< 0.005	0.39	0.39	—	31.9	31.9	< 0.005	< 0.005	0.02	33.3
Hauling	0.01	0.01	0.47	0.06	< 0.005	0.01	32.8	32.8	< 0.005	3.28	3.29	—	301	301	< 0.005	0.05	0.19	315
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	9.69	9.69	0.00	0.97	0.97	—	17.1	17.1	< 0.005	< 0.005	0.03	17.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	5.28	5.28	< 0.005	< 0.005	< 0.005	5.51
Hauling	< 0.005	< 0.005	0.09	0.01	< 0.005	< 0.005	5.98	5.98	< 0.005	0.60	0.60	—	49.8	49.8	< 0.005	0.01	0.03	52.2

3.43. Grading (2030) - 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	0.36	0.36	3.00	25.7	0.03	0.07	—	0.07	0.07	—	0.07	—	3,694	3,694	0.15	0.03	—	3,706
Dust From Material Movement	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	50.0	50.0	< 0.005	0.01	< 0.005	52.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.39	3.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	477	477	0.02	< 0.005	—	479
Dust From Material Movement	—	—	—	—	—	—	0.41	0.41	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.72	2.72	< 0.005	0.27	0.27	—	6.45	6.45	< 0.005	< 0.005	< 0.005	6.76
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.0	79.0	< 0.005	< 0.005	—	79.3

Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.50	0.50	< 0.005	0.05	0.05	—	1.07	1.07	< 0.005	< 0.005	< 0.005	1.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.06	0.87	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	147	147	0.01	0.01	0.01	149
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	43.5	43.5	< 0.005	0.01	< 0.005	45.3
Hauling	0.01	0.01	0.62	0.08	< 0.005	0.01	47.1	47.1	0.01	4.71	4.72	—	411	411	< 0.005	0.06	0.02	431
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	9.60	9.60	0.00	0.96	0.96	—	18.3	18.3	< 0.005	< 0.005	0.03	18.6
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	5.61	5.61	< 0.005	< 0.005	< 0.005	5.85
Hauling	< 0.005	< 0.005	0.08	0.01	< 0.005	< 0.005	5.92	5.92	< 0.005	0.59	0.59	—	53.1	53.1	< 0.005	0.01	0.03	55.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	1.75	1.75	0.00	0.18	0.18	—	3.03	3.03	< 0.005	< 0.005	< 0.005	3.08
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	—	0.93	0.93	< 0.005	< 0.005	< 0.005	0.97
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.08	1.08	< 0.005	0.11	0.11	—	8.80	8.80	< 0.005	< 0.005	0.01	9.21

3.44. Grading (2030) - 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	0.36	0.36	3.00	25.7	0.03	0.07	—	0.07	0.07	—	0.07	—	3,694	3,694	0.15	0.03	—	3,706
Dust From Material Movement	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	50.0	50.0	< 0.005	0.01	< 0.005	52.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.39	3.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	477	477	0.02	< 0.005	—	479
Dust From Material Movement	—	—	—	—	—	—	0.41	0.41	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.72	2.72	< 0.005	0.27	0.27	—	6.45	6.45	< 0.005	< 0.005	< 0.005	6.76
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.0	79.0	< 0.005	< 0.005	—	79.3
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.50	0.50	< 0.005	0.05	0.05	—	1.07	1.07	< 0.005	< 0.005	< 0.005	1.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.06	0.87	0.00	0.00	76.2	76.2	0.00	7.62	7.62	—	147	147	0.01	0.01	0.01	149
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	43.5	43.5	< 0.005	0.01	< 0.005	45.3
Hauling	0.01	0.01	0.62	0.08	< 0.005	0.01	47.1	47.1	0.01	4.71	4.72	—	411	411	< 0.005	0.06	0.02	431
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	9.60	9.60	0.00	0.96	0.96	—	18.3	18.3	< 0.005	< 0.005	0.03	18.6
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	5.61	5.61	< 0.005	< 0.005	< 0.005	5.85
Hauling	< 0.005	< 0.005	0.08	0.01	< 0.005	< 0.005	5.92	5.92	< 0.005	0.59	0.59	—	53.1	53.1	< 0.005	0.01	0.03	55.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	1.75	1.75	0.00	0.18	0.18	—	3.03	3.03	< 0.005	< 0.005	< 0.005	3.08
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	—	0.93	0.93	< 0.005	< 0.005	< 0.005	0.97
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.08	1.08	< 0.005	0.11	0.11	—	8.80	8.80	< 0.005	< 0.005	0.01	9.21

3.45. Building Construction (2028) - Unmitigated

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

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

Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.2	52.2	< 0.005	0.01	0.08	54.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.3	52.3	< 0.005	0.01	< 0.005	54.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	1.19	8.37	0.01	0.03	—	0.03	0.03	—	0.03	—	1,403	1,403	0.06	0.01	—	1,408
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	12.3	12.3	< 0.005	1.23	1.23	—	30.6	30.6	< 0.005	< 0.005	0.02	32.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.22	1.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	232	232	0.01	< 0.005	—	233
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.25	2.25	< 0.005	0.22	0.22	—	5.06	5.06	< 0.005	< 0.005	< 0.005	5.30
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.06	0.97	0.62	9.16	0.00	0.00	626	626	0.00	62.5	62.5	—	1,281	1,281	0.07	0.05	4.62	1,303
Vendor	0.06	0.05	1.88	0.53	0.01	0.02	145	145	0.02	14.5	14.5	—	1,199	1,199	< 0.005	0.17	2.36	1,252

Hauling	0.00	0.00	0.00	0.00	0.00	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	1.08	0.99	0.63	8.44	0.00	0.00	626	626	0.00	62.5	62.5	—	1,248	1,248	0.07	0.05	0.12	1,265
Vendor	0.06	0.05	1.90	0.55	0.01	0.02	145	145	0.02	14.5	14.5	—	1,200	1,200	< 0.005	0.17	0.06	1,250
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.59	0.54	0.42	4.73	0.00	0.00	357	357	0.00	35.7	35.7	—	706	706	0.05	0.03	1.17	717
Vendor	0.03	0.03	1.14	0.32	< 0.005	0.01	82.7	82.7	0.01	8.28	8.29	—	702	702	< 0.005	0.10	0.60	732
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.11	0.10	0.08	0.86	0.00	0.00	65.1	65.1	0.00	6.51	6.51	—	117	117	0.01	< 0.005	0.19	119
Vendor	0.01	0.01	0.21	0.06	< 0.005	< 0.005	15.1	15.1	< 0.005	1.51	1.51	—	116	116	< 0.005	0.02	0.10	121
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.46. Building Construction (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.2	52.2	< 0.005	0.01	0.08	54.8

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	52.3	52.3	< 0.005	0.01	< 0.005	54.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	1.19	8.37	0.01	0.03	—	0.03	0.03	—	0.03	—	1,403	1,403	0.06	0.01	—	1,408
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	12.3	12.3	< 0.005	1.23	1.23	—	30.6	30.6	< 0.005	< 0.005	0.02	32.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.22	1.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	232	232	0.01	< 0.005	—	233
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.25	2.25	< 0.005	0.22	0.22	—	5.06	5.06	< 0.005	< 0.005	< 0.005	5.30
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.06	0.97	0.62	9.16	0.00	0.00	626	626	0.00	62.5	62.5	—	1,281	1,281	0.07	0.05	4.62	1,303
Vendor	0.06	0.05	1.88	0.53	0.01	0.02	145	145	0.02	14.5	14.5	—	1,199	1,199	< 0.005	0.17	2.36	1,252
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.08	0.99	0.63	8.44	0.00	0.00	626	626	0.00	62.5	62.5	—	1,248	1,248	0.07	0.05	0.12	1,265

Vendor	0.06	0.05	1.90	0.55	0.01	0.02	145	145	0.02	14.5	14.5	—	1,200	1,200	< 0.005	0.17	0.06	1,250
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.59	0.54	0.42	4.73	0.00	0.00	357	357	0.00	35.7	35.7	—	706	706	0.05	0.03	1.17	717
Vendor	0.03	0.03	1.14	0.32	< 0.005	0.01	82.7	82.7	0.01	8.28	8.29	—	702	702	< 0.005	0.10	0.60	732
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.11	0.10	0.08	0.86	0.00	0.00	65.1	65.1	0.00	6.51	6.51	—	117	117	0.01	< 0.005	0.19	119
Vendor	0.01	0.01	0.21	0.06	< 0.005	< 0.005	15.1	15.1	< 0.005	1.51	1.51	—	116	116	< 0.005	0.02	0.10	121
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.47. Building Construction (2029) - 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	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.1	51.1	< 0.005	0.01	0.07	53.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405

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Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.2	51.2	< 0.005	0.01	< 0.005	53.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.16	0.16	1.45	10.2	0.02	0.03	—	0.03	0.03	—	0.03	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	36.5	36.5	< 0.005	0.01	0.02	38.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.03	0.03	0.26	1.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	283	283	0.01	< 0.005	—	284
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	6.05	6.05	< 0.005	< 0.005	< 0.005	6.34
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.98	0.92	0.54	8.42	0.00	0.00	626	626	0.00	62.5	62.5	—	1,258	1,258	0.07	0.05	4.28	1,279
Vendor	0.05	0.05	1.78	0.50	0.01	0.02	145	145	0.02	14.5	14.5	—	1,171	1,171	< 0.005	0.17	2.10	1,223
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.99	0.94	0.54	7.77	0.00	0.00	626	626	0.00	62.5	62.5	—	1,226	1,226	0.07	0.05	0.11	1,243
Vendor	0.05	0.05	1.81	0.52	0.01	0.02	145	145	0.02	14.5	14.5	—	1,172	1,172	< 0.005	0.17	0.05	1,222
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.66	0.62	0.45	5.33	0.00	0.00	436	436	0.00	43.5	43.5	—	846	846	0.05	0.04	1.32	860
Vendor	0.04	0.03	1.31	0.37	0.01	0.01	101	101	0.01	10.1	10.1	—	837	837	< 0.005	0.12	0.65	873

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.08	0.97	0.00	0.00	79.5	79.5	0.00	7.95	7.95	—	140	140	0.01	0.01	0.22	142
Vendor	0.01	0.01	0.24	0.07	< 0.005	< 0.005	18.4	18.4	< 0.005	1.84	1.85	—	139	139	< 0.005	0.02	0.11	145
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.48. Building Construction (2029) - 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	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.1	51.1	< 0.005	0.01	0.07	53.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.2	51.2	< 0.005	0.01	< 0.005	53.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.45	10.2	0.02	0.03	—	0.03	0.03	—	0.03	—	1,712	1,712	0.07	0.01	—	1,718

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Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	36.5	36.5	< 0.005	0.01	0.02	38.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	1.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	283	283	0.01	< 0.005	—	284
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	6.05	6.05	< 0.005	< 0.005	< 0.005	6.34
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.98	0.92	0.54	8.42	0.00	0.00	626	626	0.00	62.5	62.5	—	1,258	1,258	0.07	0.05	4.28	1,279
Vendor	0.05	0.05	1.78	0.50	0.01	0.02	145	145	0.02	14.5	14.5	—	1,171	1,171	< 0.005	0.17	2.10	1,223
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.99	0.94	0.54	7.77	0.00	0.00	626	626	0.00	62.5	62.5	—	1,226	1,226	0.07	0.05	0.11	1,243
Vendor	0.05	0.05	1.81	0.52	0.01	0.02	145	145	0.02	14.5	14.5	—	1,172	1,172	< 0.005	0.17	0.05	1,222
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.66	0.62	0.45	5.33	0.00	0.00	436	436	0.00	43.5	43.5	—	846	846	0.05	0.04	1.32	860
Vendor	0.04	0.03	1.31	0.37	0.01	0.01	101	101	0.01	10.1	10.1	—	837	837	< 0.005	0.12	0.65	873
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.08	0.97	0.00	0.00	79.5	79.5	0.00	7.95	7.95	—	140	140	0.01	0.01	0.22	142
Vendor	0.01	0.01	0.24	0.07	< 0.005	< 0.005	18.4	18.4	< 0.005	1.84	1.85	—	139	139	< 0.005	0.02	0.11	145
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.49. Building Construction (2030) - 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	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	49.9	49.9	< 0.005	0.01	0.07	52.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	50.0	50.0	< 0.005	0.01	< 0.005	52.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.45	10.2	0.02	0.03	—	0.03	0.03	—	0.03	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	35.7	35.7	< 0.005	0.01	0.02	37.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	1.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	283	283	0.01	< 0.005	—	284

Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	5.91	5.91	< 0.005	< 0.005	< 0.005	6.19
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.93	0.87	0.50	7.76	0.00	0.00	626	626	0.00	62.5	62.5	—	1,236	1,236	0.07	0.05	3.94	1,257
Vendor	0.05	0.04	1.68	0.47	0.01	0.02	145	145	0.02	14.5	14.5	—	1,140	1,140	< 0.005	0.16	1.88	1,189
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.95	0.90	0.50	7.14	0.00	0.00	626	626	0.00	62.5	62.5	—	1,204	1,204	0.07	0.05	0.10	1,221
Vendor	0.05	0.04	1.70	0.49	0.01	0.02	145	145	0.02	14.5	14.5	—	1,140	1,140	< 0.005	0.16	0.05	1,188
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.63	0.59	0.42	4.90	0.00	0.00	436	436	0.00	43.5	43.5	—	832	832	0.05	0.04	1.21	845
Vendor	0.04	0.03	1.24	0.35	0.01	0.01	101	101	0.01	10.1	10.1	—	814	814	< 0.005	0.11	0.58	849
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.08	0.89	0.00	0.00	79.5	79.5	0.00	7.95	7.95	—	138	138	0.01	0.01	0.20	140
Vendor	0.01	0.01	0.23	0.06	< 0.005	< 0.005	18.4	18.4	< 0.005	1.84	1.85	—	135	135	< 0.005	0.02	0.10	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.50. Building Construction (2030) - 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	Onsite truck	Daily, Winter (Max)	Off-Road Equipment	Onsite truck	Average Daily	Off-Road Equipment	Onsite truck	Annual	Off-Road Equipment	Onsite truck	Annual	Off-Road Equipment	Onsite truck	Off-Road Equipment	Onsite truck	Daily, Summer (Max)
—	0.23	< 0.005	—	0.23	< 0.005	—	0.16	< 0.005	—	0.03	< 0.005	—	0.03	< 0.005	0.01	< 0.005	—
—	0.23	< 0.005	—	0.23	< 0.005	—	0.16	< 0.005	—	0.03	< 0.005	—	0.03	< 0.005	0.26	0.01	—
—	14.3	0.02	—	14.3	0.02	—	10.2	0.01	—	1.86	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	—
—	0.04	< 0.005	—	0.04	< 0.005	—	0.03	< 0.005	—	0.01	< 0.005	—	0.01	< 0.005	< 0.005	< 0.005	—
—	—	21.6	—	—	21.6	—	—	15.1	—	—	15.1	—	—	2.75	2.75	2.75	—
—	0.04	< 0.005	—	0.04	< 0.005	—	0.03	< 0.005	—	0.01	< 0.005	—	0.01	< 0.005	< 0.005	< 0.005	—
—	—	2.16	—	—	2.16	—	—	1.50	—	—	1.50	—	—	0.27	0.27	0.27	—
—	0.04	< 0.005	—	0.04	< 0.005	—	0.03	< 0.005	—	0.01	< 0.005	—	0.01	< 0.005	< 0.005	< 0.005	—
—	—	2.16	—	—	2.16	—	—	1.50	—	—	1.50	—	—	0.27	0.27	0.27	—
—	—	< 0.005	—	—	< 0.005	—	—	< 0.005	—	—	< 0.005	—	—	< 0.005	< 0.005	< 0.005	—
—	2,397	< 0.005	—	2,397	< 0.005	—	1,712	35.7	—	283	35.7	—	283	5.91	5.91	5.91	—
—	0.10	< 0.005	—	0.10	< 0.005	—	0.07	< 0.005	—	0.01	< 0.005	—	0.01	< 0.005	< 0.005	< 0.005	—
—	0.02	< 0.005	—	0.02	< 0.005	—	0.01	< 0.005	—	< 0.005	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	—
—	—	52.4	—	—	52.4	—	—	52.3	—	—	37.4	—	—	6.19	6.19	6.19	—
—	2,405	< 0.005	—	2,405	< 0.005	—	1,718	37.4	—	284	37.4	—	284	6.19	6.19	6.19	—
—	—	52.4	—	—	52.4	—	—	52.3	—	—	37.4	—	—	6.19	6.19	6.19	—

Worker	0.93	0.87	0.50	7.76	0.00	0.00	626	626	0.00	62.5	62.5	—	1,236	1,236	0.07	0.05	3.94	1,257
Vendor	0.05	0.04	1.68	0.47	0.01	0.02	145	145	0.02	14.5	14.5	—	1,140	1,140	< 0.005	0.16	1.88	1,189
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.95	0.90	0.50	7.14	0.00	0.00	626	626	0.00	62.5	62.5	—	1,204	1,204	0.07	0.05	0.10	1,221
Vendor	0.05	0.04	1.70	0.49	0.01	0.02	145	145	0.02	14.5	14.5	—	1,140	1,140	< 0.005	0.16	0.05	1,188
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.63	0.59	0.42	4.90	0.00	0.00	436	436	0.00	43.5	43.5	—	832	832	0.05	0.04	1.21	845
Vendor	0.04	0.03	1.24	0.35	0.01	0.01	101	101	0.01	10.1	10.1	—	814	814	< 0.005	0.11	0.58	849
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.08	0.89	0.00	0.00	79.5	79.5	0.00	7.95	7.95	—	138	138	0.01	0.01	0.20	140
Vendor	0.01	0.01	0.23	0.06	< 0.005	< 0.005	18.4	18.4	< 0.005	1.84	1.85	—	135	135	< 0.005	0.02	0.10	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.51. Building Construction (2031) - 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	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405

Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.8	48.8	< 0.005	0.01	0.06	51.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.9	48.9	< 0.005	0.01	< 0.005	51.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.16	0.16	1.45	10.2	0.02	0.03	—	0.03	0.03	—	0.03	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	34.9	34.9	< 0.005	0.01	0.02	36.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.03	0.03	0.26	1.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	283	283	0.01	< 0.005	—	284
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	5.78	5.78	< 0.005	< 0.005	< 0.005	6.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.84	0.79	0.45	7.09	0.00	0.00	626	626	0.00	62.5	62.5	—	1,214	1,214	0.07	0.05	3.61	1,235
Vendor	0.04	0.04	1.61	0.45	0.01	0.02	145	145	0.01	14.5	14.5	—	1,107	1,107	< 0.005	0.16	1.68	1,157
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.86	0.80	0.45	6.54	0.00	0.00	626	626	0.00	62.5	62.5	—	1,183	1,183	0.07	0.05	0.09	1,200
Vendor	0.04	0.04	1.63	0.47	0.01	0.02	145	145	0.01	14.5	14.5	—	1,108	1,108	< 0.005	0.16	0.04	1,156
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.57	0.54	0.36	4.50	0.00	0.00	436	436	0.00	43.5	43.5	—	817	817	0.05	0.04	1.11	830
Vendor	0.03	0.03	1.18	0.33	0.01	0.01	101	101	0.01	10.1	10.1	—	791	791	< 0.005	0.11	0.52	826
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.07	0.82	0.00	0.00	79.5	79.5	0.00	7.95	7.95	—	135	135	0.01	0.01	0.18	137
Vendor	0.01	0.01	0.22	0.06	< 0.005	< 0.005	18.4	18.4	< 0.005	1.84	1.85	—	131	131	< 0.005	0.02	0.09	137
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.52. Building Construction (2031) - 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	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.8	48.8	< 0.005	0.01	0.06	51.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm ent	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.9	48.9	< 0.005	0.01	< 0.005	51.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.16	0.16	1.45	10.2	0.02	0.03	—	0.03	0.03	—	0.03	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	34.9	34.9	< 0.005	0.01	0.02	36.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.03	0.03	0.26	1.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	283	283	0.01	< 0.005	—	284
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	5.78	5.78	< 0.005	< 0.005	< 0.005	6.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.84	0.79	0.45	7.09	0.00	0.00	626	626	0.00	62.5	62.5	—	1,214	1,214	0.07	0.05	3.61	1,235
Vendor	0.04	0.04	1.61	0.45	0.01	0.02	145	145	0.01	14.5	14.5	—	1,107	1,107	< 0.005	0.16	1.68	1,157
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.86	0.80	0.45	6.54	0.00	0.00	626	626	0.00	62.5	62.5	—	1,183	1,183	0.07	0.05	0.09	1,200
Vendor	0.04	0.04	1.63	0.47	0.01	0.02	145	145	0.01	14.5	14.5	—	1,108	1,108	< 0.005	0.16	0.04	1,156
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.57	0.54	0.36	4.50	0.00	0.00	436	436	0.00	43.5	43.5	—	817	817	0.05	0.04	1.11	830
Vendor	0.03	0.03	1.18	0.33	0.01	0.01	101	101	0.01	10.1	10.1	—	791	791	< 0.005	0.11	0.52	826
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.07	0.82	0.00	0.00	79.5	79.5	0.00	7.95	7.95	—	135	135	0.01	0.01	0.18	137
Vendor	0.01	0.01	0.22	0.06	< 0.005	< 0.005	18.4	18.4	< 0.005	1.84	1.85	—	131	131	< 0.005	0.02	0.09	137
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.53. Building Construction (2032) - 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	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.7	47.7	< 0.005	0.01	0.06	50.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.8	47.8	< 0.005	0.01	< 0.005	50.0

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.16	0.16	1.45	10.2	0.02	0.03	—	0.03	0.03	—	0.03	—	1,717	1,717	0.07	0.01	—	1,723
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.51	1.51	—	34.2	34.2	< 0.005	0.01	0.02	35.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.03	0.03	0.27	1.87	< 0.005	0.01	—	0.01	0.01	—	0.01	—	284	284	0.01	< 0.005	—	285
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.76	2.76	< 0.005	0.28	0.28	—	5.66	5.66	< 0.005	< 0.005	< 0.005	5.93
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.80	0.75	0.37	6.50	0.00	0.00	626	626	0.00	62.5	62.5	—	1,194	1,194	0.03	0.05	3.28	1,212
Vendor	0.04	0.04	1.54	0.43	0.01	0.01	145	145	0.01	14.5	14.5	—	1,075	1,075	< 0.005	0.15	1.47	1,122
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.81	0.76	0.41	5.99	0.00	0.00	626	626	0.00	62.5	62.5	—	1,163	1,163	0.03	0.05	0.09	1,178
Vendor	0.04	0.04	1.56	0.45	0.01	0.01	145	145	0.01	14.5	14.5	—	1,076	1,076	< 0.005	0.15	0.04	1,121
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.55	0.51	0.33	4.12	0.00	0.00	437	437	0.00	43.7	43.7	—	806	806	0.02	0.04	1.01	818
Vendor	0.03	0.03	1.14	0.32	0.01	0.01	101	101	0.01	10.1	10.1	—	770	770	< 0.005	0.11	0.46	803
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.09	0.06	0.75	0.00	0.00	79.7	79.7	0.00	7.97	7.97	—	133	133	< 0.005	0.01	0.17	135
Vendor	0.01	0.01	0.21	0.06	< 0.005	< 0.005	18.5	18.5	< 0.005	1.85	1.85	—	128	128	< 0.005	0.02	0.08	133
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.54. Building Construction (2032) - 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	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.7	47.7	< 0.005	0.01	0.06	50.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.8	47.8	< 0.005	0.01	< 0.005	50.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.45	10.2	0.02	0.03	—	0.03	0.03	—	0.03	—	1,717	1,717	0.07	0.01	—	1,723
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.51	1.51	—	34.2	34.2	< 0.005	0.01	0.02	35.8

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.03	0.03	0.27	1.87	< 0.005	0.01	—	0.01	0.01	—	0.01	—	284	284	0.01	< 0.005	—	285
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.76	2.76	< 0.005	0.28	0.28	—	5.66	5.66	< 0.005	< 0.005	< 0.005	5.93
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.80	0.75	0.37	6.50	0.00	0.00	626	626	0.00	62.5	62.5	—	1,194	1,194	0.03	0.05	3.28	1,212
Vendor	0.04	0.04	1.54	0.43	0.01	0.01	145	145	0.01	14.5	14.5	—	1,075	1,075	< 0.005	0.15	1.47	1,122
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.81	0.76	0.41	5.99	0.00	0.00	626	626	0.00	62.5	62.5	—	1,163	1,163	0.03	0.05	0.09	1,178
Vendor	0.04	0.04	1.56	0.45	0.01	0.01	145	145	0.01	14.5	14.5	—	1,076	1,076	< 0.005	0.15	0.04	1,121
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.55	0.51	0.33	4.12	0.00	0.00	437	437	0.00	43.7	43.7	—	806	806	0.02	0.04	1.01	818
Vendor	0.03	0.03	1.14	0.32	0.01	0.01	101	101	0.01	10.1	10.1	—	770	770	< 0.005	0.11	0.46	803
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	0.75	0.00	0.00	79.7	79.7	0.00	7.97	7.97	—	133	133	< 0.005	0.01	0.17	135
Vendor	0.01	0.01	0.21	0.06	< 0.005	< 0.005	18.5	18.5	< 0.005	1.85	1.85	—	128	128	< 0.005	0.02	0.08	133
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.55. Building Construction (2033) - 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 Equipm ent	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	46.6	46.6	< 0.005	0.01	0.05	48.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	46.7	46.7	< 0.005	0.01	< 0.005	48.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.07	0.07	0.64	4.48	0.01	0.01	—	0.01	0.01	—	0.01	—	750	750	0.03	0.01	—	753
Onsite truck	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	6.60	6.60	< 0.005	0.66	0.66	—	14.6	14.6	< 0.005	< 0.005	0.01	15.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.01	0.01	0.12	0.82	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	124	124	0.01	< 0.005	—	125
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.21	1.21	< 0.005	0.12	0.12	—	2.42	2.42	< 0.005	< 0.005	< 0.005	2.53

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.76	0.71	0.37	6.01	0.00	0.00	626	626	0.00	62.5	62.5	—	1,175	1,175	0.03	0.05	2.98	1,192
Vendor	0.04	0.04	1.47	0.42	0.01	0.01	145	145	0.01	14.5	14.5	—	1,043	1,043	< 0.005	0.15	1.29	1,089
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.78	0.73	0.37	5.53	0.00	0.00	626	626	0.00	62.5	62.5	—	1,145	1,145	0.03	0.05	0.08	1,160
Vendor	0.04	0.04	1.49	0.44	0.01	0.01	145	145	0.01	14.5	14.5	—	1,044	1,044	< 0.005	0.15	0.03	1,089
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.22	0.21	0.13	1.67	0.00	0.00	191	191	0.00	19.1	19.1	—	347	347	0.01	0.02	0.40	352
Vendor	0.01	0.01	0.47	0.14	< 0.005	< 0.005	44.3	44.3	< 0.005	4.43	4.43	—	327	327	< 0.005	0.05	0.17	341
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.30	0.00	0.00	34.8	34.8	0.00	3.48	3.48	—	57.4	57.4	< 0.005	< 0.005	0.07	58.3
Vendor	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	8.08	8.08	< 0.005	0.81	0.81	—	54.1	54.1	< 0.005	0.01	0.03	56.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.56. Building Construction (2033) - 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	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	46.6	46.6	< 0.005	0.01	0.05	48.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	46.7	46.7	< 0.005	0.01	< 0.005	48.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.64	4.48	0.01	0.01	—	0.01	0.01	—	0.01	—	750	750	0.03	0.01	—	753
Onsite truck	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	6.60	6.60	< 0.005	0.66	0.66	—	14.6	14.6	< 0.005	< 0.005	0.01	15.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.12	0.82	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	124	124	0.01	< 0.005	—	125
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.21	1.21	< 0.005	0.12	0.12	—	2.42	2.42	< 0.005	< 0.005	< 0.005	2.53
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.76	0.71	0.37	6.01	0.00	0.00	626	626	0.00	62.5	62.5	—	1,175	1,175	0.03	0.05	2.98	1,192
Vendor	0.04	0.04	1.47	0.42	0.01	0.01	145	145	0.01	14.5	14.5	—	1,043	1,043	< 0.005	0.15	1.29	1,089
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.78	0.73	0.37	5.53	0.00	0.00	626	626	0.00	62.5	62.5	—	1,145	1,145	0.03	0.05	0.08	1,160
Vendor	0.04	0.04	1.49	0.44	0.01	0.01	145	145	0.01	14.5	14.5	—	1,044	1,044	< 0.005	0.15	0.03	1,089
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.22	0.21	0.13	1.67	0.00	0.00	191	191	0.00	19.1	19.1	—	347	347	0.01	0.02	0.40	352
Vendor	0.01	0.01	0.47	0.14	< 0.005	< 0.005	44.3	44.3	< 0.005	4.43	4.43	—	327	327	< 0.005	0.05	0.17	341
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.30	0.00	0.00	34.8	34.8	0.00	3.48	3.48	—	57.4	57.4	< 0.005	< 0.005	0.07	58.3
Vendor	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	8.08	8.08	< 0.005	0.81	0.81	—	54.1	54.1	< 0.005	0.01	0.03	56.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.57. Paving (2029) - 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	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.1	51.1	< 0.005	0.01	0.07	53.6

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.2	51.2	< 0.005	0.01	< 0.005	53.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	0.92	9.15	0.01	0.02	—	0.02	0.02	—	0.02	—	1,307	1,307	0.05	0.01	—	1,311
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	9.74	9.74	< 0.005	0.97	0.97	—	23.6	23.6	< 0.005	< 0.005	0.01	24.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	1.67	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	216	216	0.01	< 0.005	—	217
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.78	1.78	< 0.005	0.18	0.18	—	3.91	3.91	< 0.005	< 0.005	< 0.005	4.10
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.08	1.28	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	192	192	0.01	0.01	0.65	195
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	44.6	44.6	< 0.005	0.01	0.08	46.6
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.15	0.14	0.08	1.18	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	187	187	0.01	0.01	0.02	189
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	44.7	44.7	< 0.005	0.01	< 0.005	46.6
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.07	0.06	0.04	0.52	0.00	0.00	42.9	42.9	0.00	4.29	4.29	—	83.4	83.4	0.01	< 0.005	0.13	84.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	2.49	2.49	< 0.005	0.25	0.25	—	20.6	20.6	< 0.005	< 0.005	0.02	21.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	7.83	7.83	0.00	0.78	0.78	—	13.8	13.8	< 0.005	< 0.005	0.02	14.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.45	0.45	< 0.005	0.05	0.05	—	3.41	3.41	< 0.005	< 0.005	< 0.005	3.56
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.58. Paving (2029) - 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	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.1	51.1	< 0.005	0.01	0.07	53.6

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	51.2	51.2	< 0.005	0.01	< 0.005	53.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	0.92	9.15	0.01	0.02	—	0.02	0.02	—	0.02	—	1,307	1,307	0.05	0.01	—	1,311
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	9.74	9.74	< 0.005	0.97	0.97	—	23.6	23.6	< 0.005	< 0.005	0.01	24.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	1.67	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	216	216	0.01	< 0.005	—	217
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.78	1.78	< 0.005	0.18	0.18	—	3.91	3.91	< 0.005	< 0.005	< 0.005	4.10
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.08	1.28	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	192	192	0.01	0.01	0.65	195
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	44.6	44.6	< 0.005	0.01	0.08	46.6
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.15	0.14	0.08	1.18	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	187	187	0.01	0.01	0.02	189
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	44.7	44.7	< 0.005	0.01	< 0.005	46.6
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.07	0.06	0.04	0.52	0.00	0.00	42.9	42.9	0.00	4.29	4.29	—	83.4	83.4	0.01	< 0.005	0.13	84.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	2.49	2.49	< 0.005	0.25	0.25	—	20.6	20.6	< 0.005	< 0.005	0.02	21.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	7.83	7.83	0.00	0.78	0.78	—	13.8	13.8	< 0.005	< 0.005	0.02	14.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.45	0.45	< 0.005	0.05	0.05	—	3.41	3.41	< 0.005	< 0.005	< 0.005	3.56
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.59. Paving (2030) - 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	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	49.9	49.9	< 0.005	0.01	0.07	52.4

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	50.0	50.0	< 0.005	0.01	< 0.005	52.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.42	14.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,021	2,021	0.08	0.02	—	2,028
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	35.7	35.7	< 0.005	0.01	0.02	37.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.26	2.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	335	335	0.01	< 0.005	—	336
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	5.91	5.91	< 0.005	< 0.005	< 0.005	6.19
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.08	1.18	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	188	188	0.01	0.01	0.60	191
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	43.4	43.4	< 0.005	0.01	0.07	45.3
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.14	0.14	0.08	1.09	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	183	183	0.01	0.01	0.02	186
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	43.5	43.5	< 0.005	0.01	< 0.005	45.3
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.10	0.09	0.06	0.75	0.00	0.00	66.3	66.3	0.00	6.63	6.63	—	127	127	0.01	0.01	0.18	129
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	3.85	3.85	< 0.005	0.39	0.39	—	31.0	31.0	< 0.005	< 0.005	0.02	32.4
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.01	0.14	0.00	0.00	12.1	12.1	0.00	1.21	1.21	—	21.0	21.0	< 0.005	< 0.005	0.03	21.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	5.14	5.14	< 0.005	< 0.005	< 0.005	5.36
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.60. Paving (2030) - 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 Equipm ent	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	49.9	49.9	< 0.005	0.01	0.07	52.4

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	50.0	50.0	< 0.005	0.01	< 0.005	52.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.42	14.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,021	2,021	0.08	0.02	—	2,028
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.07	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	35.7	35.7	< 0.005	0.01	0.02	37.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.26	2.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	335	335	0.01	< 0.005	—	336
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	5.91	5.91	< 0.005	< 0.005	< 0.005	6.19
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.08	1.18	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	188	188	0.01	0.01	0.60	191
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	43.4	43.4	< 0.005	0.01	0.07	45.3
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.14	0.14	0.08	1.09	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	183	183	0.01	0.01	0.02	186
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	43.5	43.5	< 0.005	0.01	< 0.005	45.3
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.10	0.09	0.06	0.75	0.00	0.00	66.3	66.3	0.00	6.63	6.63	—	127	127	0.01	0.01	0.18	129
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	3.85	3.85	< 0.005	0.39	0.39	—	31.0	31.0	< 0.005	< 0.005	0.02	32.4
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.01	0.14	0.00	0.00	12.1	12.1	0.00	1.21	1.21	—	21.0	21.0	< 0.005	< 0.005	0.03	21.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	5.14	5.14	< 0.005	< 0.005	< 0.005	5.36
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.61. Paving (2031) - 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	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.8	48.8	< 0.005	0.01	0.06	51.1

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.9	48.9	< 0.005	0.01	< 0.005	51.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.42	14.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,021	2,021	0.08	0.02	—	2,028
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	34.9	34.9	< 0.005	0.01	0.02	36.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.26	2.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	335	335	0.01	< 0.005	—	336
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	5.78	5.78	< 0.005	< 0.005	< 0.005	6.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.07	1.08	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	185	185	0.01	0.01	0.55	188
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	42.2	42.2	< 0.005	0.01	0.06	44.1
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.13	0.12	0.07	1.00	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	180	180	0.01	0.01	0.01	183
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	42.2	42.2	< 0.005	0.01	< 0.005	44.1
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.09	0.08	0.05	0.69	0.00	0.00	66.3	66.3	0.00	6.63	6.63	—	124	124	0.01	0.01	0.17	126
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	3.85	3.85	< 0.005	0.39	0.39	—	30.2	30.2	< 0.005	< 0.005	0.02	31.5
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.02	0.01	0.01	0.13	0.00	0.00	12.1	12.1	0.00	1.21	1.21	—	20.6	20.6	< 0.005	< 0.005	0.03	20.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	4.99	4.99	< 0.005	< 0.005	< 0.005	5.21
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.62. Paving (2031) - 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	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.8	48.8	< 0.005	0.01	0.06	51.1

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.9	48.9	< 0.005	0.01	< 0.005	51.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.42	14.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,021	2,021	0.08	0.02	—	2,028
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	34.9	34.9	< 0.005	0.01	0.02	36.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.26	2.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	335	335	0.01	< 0.005	—	336
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	5.78	5.78	< 0.005	< 0.005	< 0.005	6.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.07	1.08	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	185	185	0.01	0.01	0.55	188
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	42.2	42.2	< 0.005	0.01	0.06	44.1
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.13	0.12	0.07	1.00	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	180	180	0.01	0.01	0.01	183
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	42.2	42.2	< 0.005	0.01	< 0.005	44.1
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.09	0.08	0.05	0.69	0.00	0.00	66.3	66.3	0.00	6.63	6.63	—	124	124	0.01	0.01	0.17	126
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	3.85	3.85	< 0.005	0.39	0.39	—	30.2	30.2	< 0.005	< 0.005	0.02	31.5
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.02	0.01	0.01	0.13	0.00	0.00	12.1	12.1	0.00	1.21	1.21	—	20.6	20.6	< 0.005	< 0.005	0.03	20.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.70	0.70	< 0.005	0.07	0.07	—	4.99	4.99	< 0.005	< 0.005	< 0.005	5.21
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.63. Paving (2032) - 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	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.7	47.7	< 0.005	0.01	0.06	50.0

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.8	47.8	< 0.005	0.01	< 0.005	50.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	1.04	10.4	0.01	0.03	—	0.03	0.03	—	0.03	—	1,478	1,478	0.06	0.01	—	1,483
Paving	0.05	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	11.0	11.0	< 0.005	1.10	1.10	—	24.9	24.9	< 0.005	< 0.005	0.01	26.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.19	1.89	< 0.005	0.01	—	0.01	0.01	—	0.01	—	245	245	0.01	< 0.005	—	246
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.01	2.01	< 0.005	0.20	0.20	—	4.13	4.13	< 0.005	< 0.005	< 0.005	4.32
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.06	0.99	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	182	182	< 0.005	0.01	0.50	185
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	41.0	41.0	< 0.005	0.01	0.06	42.8
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.12	0.12	0.06	0.91	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	177	177	< 0.005	0.01	0.01	179
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	41.0	41.0	< 0.005	0.01	< 0.005	42.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.46	0.00	0.00	48.5	48.5	0.00	4.85	4.85	—	89.5	89.5	< 0.005	< 0.005	0.11	90.9
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	2.82	2.82	< 0.005	0.28	0.28	—	21.4	21.4	< 0.005	< 0.005	0.01	22.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	8.86	8.86	0.00	0.89	0.89	—	14.8	14.8	< 0.005	< 0.005	0.02	15.1
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.51	0.51	< 0.005	0.05	0.05	—	3.55	3.55	< 0.005	< 0.005	< 0.005	3.70
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.64. Paving (2032) - 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 Equipm ent	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.7	47.7	< 0.005	0.01	0.06	50.0

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	1.99	19.8	0.03	0.05	—	0.05	0.05	—	0.05	—	2,829	2,829	0.11	0.02	—	2,839
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.8	47.8	< 0.005	0.01	< 0.005	50.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	1.04	10.4	0.01	0.03	—	0.03	0.03	—	0.03	—	1,478	1,478	0.06	0.01	—	1,483
Paving	0.05	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	11.0	11.0	< 0.005	1.10	1.10	—	24.9	24.9	< 0.005	< 0.005	0.01	26.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.19	1.89	< 0.005	0.01	—	0.01	0.01	—	0.01	—	245	245	0.01	< 0.005	—	246
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.01	2.01	< 0.005	0.20	0.20	—	4.13	4.13	< 0.005	< 0.005	< 0.005	4.32
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.06	0.99	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	182	182	< 0.005	0.01	0.50	185
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	41.0	41.0	< 0.005	0.01	0.06	42.8
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.12	0.12	0.06	0.91	0.00	0.00	95.3	95.3	0.00	9.52	9.52	—	177	177	< 0.005	0.01	0.01	179
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	5.53	5.53	< 0.005	0.55	0.55	—	41.0	41.0	< 0.005	0.01	< 0.005	42.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.46	0.00	0.00	48.5	48.5	0.00	4.85	4.85	—	89.5	89.5	< 0.005	< 0.005	0.11	90.9
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	2.82	2.82	< 0.005	0.28	0.28	—	21.4	21.4	< 0.005	< 0.005	0.01	22.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	8.86	8.86	0.00	0.89	0.89	—	14.8	14.8	< 0.005	< 0.005	0.02	15.1
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.51	0.51	< 0.005	0.05	0.05	—	3.55	3.55	< 0.005	< 0.005	< 0.005	3.70
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.65. Architectural Coating (2030) - 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	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	49.9	49.9	< 0.005	0.01	0.07	52.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	134
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	
Architectural Coatings	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	50.0	50.0	< 0.005	0.01	< 0.005	52.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.13	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.9	25.9	< 0.005	< 0.005	—	26.0
Architectural Coatings	3.26	3.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	4.09	4.09	< 0.005	0.41	0.41	—	9.68	9.68	< 0.005	< 0.005	0.01	10.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.28	4.28	< 0.005	< 0.005	—	4.30
Architectural Coatings	0.60	0.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.75	0.75	< 0.005	0.07	0.07	—	1.60	1.60	< 0.005	< 0.005	< 0.005	1.68

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.10	1.55	0.00	0.00	125	125	0.00	12.5	12.5	—	247	247	0.01	0.01	0.79	251
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	0.19	0.18	0.10	1.43	0.00	0.00	125	125	0.00	12.5	12.5	—	241	241	0.01	0.01	0.02	244
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	0.03	0.03	0.02	0.27	0.00	0.00	23.6	23.6	0.00	2.36	2.36	—	45.1	45.1	< 0.005	< 0.005	0.07	45.8
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	0.01	0.01	< 0.005	0.05	0.00	0.00	4.31	4.31	0.00	0.43	0.43	—	7.47	7.47	< 0.005	< 0.005	0.01	7.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.66. Architectural Coating (2030) - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[illegible]

Architect Coatings	0.60	0.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.75	0.75	< 0.005	0.07	0.07	—	1.60	1.60	< 0.005	< 0.005	< 0.005	1.68
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.10	1.55	0.00	0.00	125	125	0.00	12.5	12.5	—	247	247	0.01	0.01	0.79	251
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	0.19	0.18	0.10	1.43	0.00	0.00	125	125	0.00	12.5	12.5	—	241	241	0.01	0.01	0.02	244
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	0.03	0.03	0.02	0.27	0.00	0.00	23.6	23.6	0.00	2.36	2.36	—	45.1	45.1	< 0.005	< 0.005	0.07	45.8
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	0.01	0.01	< 0.005	0.05	0.00	0.00	4.31	4.31	0.00	0.43	0.43	—	7.47	7.47	< 0.005	< 0.005	0.01	7.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.67. Architectural Coating (2031) - 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	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.8	48.8	< 0.005	0.01	0.06	51.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.9	48.9	< 0.005	0.01	< 0.005	51.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.46	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	12.0	12.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	34.9	34.9	< 0.005	0.01	0.02	36.5

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	2.20	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	5.78	5.78	< 0.005	< 0.005	< 0.005	6.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.09	1.42	0.00	0.00	125	125	0.00	12.5	12.5	—	243	243	0.01	0.01	0.72	247
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	0.17	0.16	0.09	1.31	0.00	0.00	125	125	0.00	12.5	12.5	—	237	237	0.01	0.01	0.02	240
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	0.11	0.11	0.07	0.90	0.00	0.00	87.1	87.1	0.00	8.71	8.71	—	163	163	0.01	0.01	0.22	166
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.01	0.16	0.00	0.00	15.9	15.9	0.00	1.59	1.59	—	27.1	27.1	< 0.005	< 0.005	0.04	27.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	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

3.68. Architectural Coating (2031) - 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	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.8	48.8	< 0.005	0.01	0.06	51.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	48.9	48.9	< 0.005	0.01	< 0.005	51.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.46	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7

Architect Coatings	12.0	12.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	34.9	34.9	< 0.005	0.01	0.02	36.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	2.20	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	5.78	5.78	< 0.005	< 0.005	< 0.005	6.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.09	1.42	0.00	0.00	125	125	0.00	12.5	12.5	—	243	243	0.01	0.01	0.72	247
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	0.17	0.16	0.09	1.31	0.00	0.00	125	125	0.00	12.5	12.5	—	237	237	0.01	0.01	0.02	240
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	0.11	0.11	0.07	0.90	0.00	0.00	87.1	87.1	0.00	8.71	8.71	—	163	163	0.01	0.01	0.22	166
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.01	0.16	0.00	0.00	15.9	15.9	0.00	1.59	1.59	—	27.1	27.1	< 0.005	< 0.005	0.04	27.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	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

3.69. Architectural Coating (2032) - 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	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.7	47.7	< 0.005	0.01	0.06	50.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.8	47.8	< 0.005	0.01	< 0.005	50.0

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.46	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.6	95.6	< 0.005	< 0.005	—	95.9
Architectural Coatings	12.1	12.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.51	1.51	—	34.2	34.2	< 0.005	0.01	0.02	35.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.9
Architectural Coatings	2.20	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.76	2.76	< 0.005	0.28	0.28	—	5.66	5.66	< 0.005	< 0.005	< 0.005	5.93
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.30	0.00	0.00	125	125	0.00	12.5	12.5	—	239	239	0.01	0.01	0.66	242
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	0.16	0.15	0.08	1.20	0.00	0.00	125	125	0.00	12.5	12.5	—	233	233	0.01	0.01	0.02	236
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	0.11	0.10	0.07	0.82	0.00	0.00	87.4	87.4	0.00	8.73	8.73	—	161	161	< 0.005	0.01	0.20	164
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	0.02	0.02	0.01	0.15	0.00	0.00	15.9	15.9	0.00	1.59	1.59	—	26.7	26.7	< 0.005	< 0.005	0.03	27.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.70. Architectural Coating (2032) - 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	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.7	47.7	< 0.005	0.01	0.06	50.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	47.8	47.8	< 0.005	0.01	< 0.005	50.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.46	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.6	95.6	< 0.005	< 0.005	—	95.9
Architectural Coatings	12.1	12.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.51	1.51	—	34.2	34.2	< 0.005	0.01	0.02	35.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.9
Architectural Coatings	2.20	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.76	2.76	< 0.005	0.28	0.28	—	5.66	5.66	< 0.005	< 0.005	< 0.005	5.93
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.30	0.00	0.00	125	125	0.00	12.5	12.5	—	239	239	0.01	0.01	0.66	242

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	0.16	0.15	0.08	1.20	0.00	0.00	125	125	0.00	12.5	12.5	—	233	233	0.01	0.01	0.02	236
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	0.11	0.10	0.07	0.82	0.00	0.00	87.4	87.4	0.00	8.73	8.73	—	161	161	< 0.005	0.01	0.20	164
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	0.02	0.02	0.01	0.15	0.00	0.00	15.9	15.9	0.00	1.59	1.59	—	26.7	26.7	< 0.005	< 0.005	0.03	27.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.71. Architectural Coating (2033) - 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	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134

[illegible]

Architectural Coating	2.20	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	5.51	5.51	< 0.005	< 0.005	< 0.005	5.77
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.07	1.20	0.00	0.00	125	125	0.00	12.5	12.5	—	235	235	0.01	0.01	0.60	238
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	0.16	0.15	0.07	1.11	0.00	0.00	125	125	0.00	12.5	12.5	—	229	229	0.01	0.01	0.02	232
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	0.10	0.10	0.06	0.76	0.00	0.00	87.1	87.1	0.00	8.71	8.71	—	158	158	< 0.005	0.01	0.18	161
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	0.02	0.02	0.01	0.14	0.00	0.00	15.9	15.9	0.00	1.59	1.59	—	26.2	26.2	< 0.005	< 0.005	0.03	26.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.72. Architectural Coating (2033) - 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
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	46.6	46.6	< 0.005	0.01	0.05	48.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	46.7	46.7	< 0.005	0.01	< 0.005	48.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.46	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	12.0	12.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Onsite truck	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	15.1	15.1	< 0.005	1.50	1.50	—	33.3	33.3	< 0.005	0.01	0.02	34.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	2.20	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	2.75	2.75	< 0.005	0.27	0.27	—	5.51	5.51	< 0.005	< 0.005	< 0.005	5.77
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.07	1.20	0.00	0.00	125	125	0.00	12.5	12.5	—	235	235	0.01	0.01	0.60	238
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	0.16	0.15	0.07	1.11	0.00	0.00	125	125	0.00	12.5	12.5	—	229	229	0.01	0.01	0.02	232
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	0.10	0.10	0.06	0.76	0.00	0.00	87.1	87.1	0.00	8.71	8.71	—	158	158	< 0.005	0.01	0.18	161
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	0.02	0.02	0.01	0.14	0.00	0.00	15.9	15.9	0.00	1.59	1.59	—	26.2	26.2	< 0.005	< 0.005	0.03	26.6

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

3.73. Architectural Coating (2034) - 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	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	45.6	45.6	< 0.005	0.01	< 0.005	47.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.83	1.83	< 0.005	< 0.005	—	1.84
Architectural Coatings	0.23	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.29	0.29	< 0.005	0.03	0.03	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.65

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.30	0.30	< 0.005	< 0.005	—	0.30
Architect ural Coating s	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.11
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.06	1.02	0.00	0.00	125	125	0.00	12.5	12.5	—	225	225	0.01	0.01	0.01	228
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	1.67	1.67	0.00	0.17	0.17	—	2.99	2.99	< 0.005	< 0.005	< 0.005	3.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.30	0.30	0.00	0.03	0.03	—	0.49	0.49	< 0.005	< 0.005	< 0.005	0.50
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

3.74. Architectural Coating (2034) - 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	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	21.6	21.6	< 0.005	2.16	2.16	—	45.6	45.6	< 0.005	0.01	< 0.005	47.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.83	1.83	< 0.005	< 0.005	—	1.84
Architectural Coatings	0.23	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.29	0.29	< 0.005	0.03	0.03	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.65
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.30	0.30	< 0.005	< 0.005	—	0.30

Architectural	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.11
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.06	1.02	0.00	0.00	125	125	0.00	12.5	12.5	—	225	225	0.01	0.01	0.01	228
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	1.67	1.67	0.00	0.17	0.17	—	2.99	2.99	< 0.005	< 0.005	< 0.005	3.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.30	0.30	0.00	0.03	0.03	—	0.49	0.49	< 0.005	< 0.005	< 0.005	0.50
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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	28.1	27.2	9.73	88.3	0.14	0.12	12.3	12.4	0.11	3.12	3.23	—	13,899	13,899	1.17	0.87	28.5	14,216
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	2.21	2.09	1.23	11.9	0.02	0.02	2.23	2.25	0.02	0.57	0.58	—	2,402	2,402	0.12	0.11	5.18	2,442
Condo/Townhouse	0.54	0.51	0.30	2.89	0.01	< 0.005	0.54	0.55	< 0.005	0.14	0.14	—	585	585	0.03	0.03	1.26	595
Quality Restaurant	3.94	3.77	1.76	16.5	0.03	0.03	2.79	2.82	0.02	0.71	0.73	—	3,057	3,057	0.19	0.15	6.48	3,114
Fast Food Restaurant w/o Drive Thru	12.2	11.6	5.44	51.1	0.09	0.08	8.63	8.71	0.07	2.19	2.27	—	9,452	9,452	0.58	0.48	20.0	9,629
Hotel	2.74	2.62	1.23	11.5	0.02	0.02	1.94	1.96	0.02	0.49	0.51	—	2,129	2,129	0.13	0.11	4.51	2,169
Arena	0.42	0.40	0.19	1.77	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	327	327	0.02	0.02	0.69	333
Total	50.2	48.3	19.9	184	0.31	0.27	28.7	29.0	0.25	7.29	7.55	—	31,852	31,852	2.23	1.76	66.7	32,498
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Clearlake Airport Redevelopment Project - RIDA Alternative Detailed Report, 10/25/2025

Regional	29.1	28.2	9.84	85.6	0.13	0.12	12.3	12.4	0.11	3.12	3.23	—	13,648	13,648	1.19	0.87	0.74	13,939
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	2.28	2.16	1.25	11.3	0.02	0.02	2.23	2.25	0.02	0.57	0.58	—	2,356	2,356	0.12	0.11	0.13	2,391
Condo/Townhouse	0.55	0.53	0.30	2.74	0.01	< 0.005	0.54	0.55	< 0.005	0.14	0.14	—	574	574	0.03	0.03	0.03	582
Quality Restaurant	4.06	3.89	1.78	15.8	0.03	0.03	2.79	2.82	0.02	0.71	0.73	—	3,000	3,000	0.19	0.16	0.17	3,051
Fast Food Restaurant w/o Drive Thru	12.6	12.0	5.50	48.9	0.09	0.08	8.63	8.71	0.07	2.19	2.27	—	9,275	9,275	0.58	0.48	0.52	9,433
Hotel	2.83	2.71	1.24	11.0	0.02	0.02	1.94	1.96	0.02	0.49	0.51	—	2,089	2,089	0.13	0.11	0.12	2,124
Arena	0.43	0.42	0.19	1.69	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	321	321	0.02	0.02	0.02	327
Total	51.8	49.9	20.1	177	0.31	0.27	28.7	29.0	0.25	7.29	7.55	—	31,262	31,262	2.27	1.77	1.73	31,847
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	3.83	3.70	1.48	12.8	0.02	0.02	1.63	1.65	0.02	0.41	0.43	—	1,628	1,628	0.17	0.12	1.49	1,669
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.37	0.35	0.23	1.96	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	362	362	0.02	0.02	0.35	368
Condo/Townhouse	0.08	0.08	0.05	0.45	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	83.0	83.0	< 0.005	< 0.005	0.08	84.4
Quality Restaurant	0.59	0.57	0.24	2.06	< 0.005	< 0.005	0.28	0.28	< 0.005	0.07	0.07	—	277	277	0.03	0.02	0.26	283
Fast Food Restaurant w/o Drive Thru	1.27	1.21	0.65	5.53	0.01	0.01	0.94	0.95	0.01	0.24	0.25	—	900	900	0.06	0.05	0.86	918
Hotel	0.46	0.43	0.23	1.98	< 0.005	< 0.005	0.34	0.34	< 0.005	0.09	0.09	—	323	323	0.02	0.02	0.31	329
Arena	0.07	0.07	0.04	0.32	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	51.9	51.9	< 0.005	< 0.005	0.05	52.9
Total	6.68	6.40	2.94	25.1	0.04	0.04	3.72	3.75	0.03	0.94	0.98	—	3,624	3,624	0.31	0.23	3.40	3,704

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	26.3	25.5	9.10	82.6	0.13	0.11	11.5	11.6	0.11	2.92	3.03	—	13,010	13,010	1.10	0.81	26.7	13,306
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	2.07	1.96	1.15	11.1	0.02	0.02	2.09	2.11	0.02	0.53	0.55	—	2,248	2,248	0.11	0.10	4.85	2,286
Condo/Townhouse	0.50	0.48	0.28	2.70	0.01	< 0.005	0.51	0.51	< 0.005	0.13	0.13	—	548	548	0.03	0.02	1.18	557
Quality Restaurant	3.68	3.53	1.65	15.5	0.03	0.02	2.61	2.64	0.02	0.66	0.69	—	2,861	2,861	0.17	0.14	6.07	2,915
Fast Food Restaurant w/o Drive Thru	11.4	10.9	5.09	47.8	0.09	0.07	8.08	8.16	0.07	2.05	2.12	—	8,847	8,847	0.54	0.45	18.8	9,013
Hotel	2.57	2.46	1.15	10.8	0.02	0.02	1.82	1.84	0.02	0.46	0.48	—	1,993	1,993	0.12	0.10	4.23	2,030
Arena	0.39	0.38	0.18	1.66	< 0.005	< 0.005	0.28	0.28	< 0.005	0.07	0.07	—	306	306	0.02	0.02	0.65	312
Total	46.9	45.2	18.6	172	0.29	0.25	26.9	27.1	0.24	6.83	7.07	—	29,813	29,813	2.09	1.65	62.4	30,419
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	27.2	26.4	9.21	80.1	0.13	0.11	11.5	11.6	0.11	2.92	3.03	—	12,775	12,775	1.12	0.82	0.69	13,047
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	2.13	2.02	1.17	10.5	0.02	0.02	2.09	2.11	0.02	0.53	0.55	—	2,205	2,205	0.11	0.10	0.13	2,238

Condo/T	0.52	0.49	0.28	2.57	0.01	< 0.005	0.51	0.51	< 0.005	0.13	0.13	—	537	537	0.03	0.02	0.03	545
Quality Restaurant	3.80	3.64	1.66	14.8	0.03	0.02	2.61	2.64	0.02	0.66	0.69	—	2,808	2,808	0.18	0.15	0.16	2,855
Fast Food Restaurant w/o Drive Thru	11.7	11.3	5.14	45.8	0.09	0.07	8.08	8.16	0.07	2.05	2.12	—	8,681	8,681	0.55	0.45	0.49	8,829
Hotel	2.65	2.54	1.16	10.3	0.02	0.02	1.82	1.84	0.02	0.46	0.48	—	1,955	1,955	0.12	0.10	0.11	1,988
Arena	0.41	0.39	0.18	1.59	< 0.005	< 0.005	0.28	0.28	< 0.005	0.07	0.07	—	301	301	0.02	0.02	0.02	306
Total	48.5	46.7	18.8	166	0.29	0.25	26.9	27.1	0.24	6.83	7.07	—	29,262	29,262	2.12	1.65	1.62	29,809
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	3.59	3.46	1.39	12.0	0.02	0.02	1.53	1.54	0.01	0.39	0.40	—	1,524	1,524	0.16	0.11	1.40	1,562
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.34	0.32	0.22	1.84	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	339	339	0.02	0.02	0.33	344
Condo/Townhouse	0.08	0.07	0.05	0.42	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	77.7	77.7	< 0.005	< 0.005	0.08	79.0
Quality Restaurant	0.55	0.53	0.22	1.93	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07	—	259	259	0.03	0.02	0.24	265
Fast Food Restaurant w/o Drive Thru	1.19	1.13	0.61	5.18	0.01	0.01	0.88	0.89	0.01	0.22	0.23	—	843	843	0.06	0.05	0.81	859

Hotel	0.43	0.41	0.22	1.86	< 0.005	< 0.005	0.32	0.32	< 0.005	0.08	0.08	—	302	302	0.02	0.02	0.29	308
Arena	0.07	0.07	0.04	0.30	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	48.6	48.6	< 0.005	< 0.005	0.05	49.5
Total	6.25	5.99	2.75	23.5	0.04	0.03	3.48	3.51	0.03	0.88	0.91	—	3,392	3,392	0.29	0.22	3.18	3,467

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	849	849	0.14	0.02	—	857
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,050	1,050	0.17	0.02	—	1,060
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	855	855	0.14	0.02	—	864
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	855	855	0.14	0.02	—	864
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	91.9	91.9	0.01	< 0.005	—	92.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	926	926	0.15	0.02	—	935

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	92.6	92.6	0.01	< 0.005	—	93.5
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	403	403	0.07	0.01	—	407
Arena	—	—	—	—	—	—	—	—	—	—	—	—	76.6	76.6	0.01	< 0.005	—	77.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,198	5,198	0.84	0.10	—	5,250
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	849	849	0.14	0.02	—	857
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,050	1,050	0.17	0.02	—	1,060
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	855	855	0.14	0.02	—	864
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	855	855	0.14	0.02	—	864
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	91.9	91.9	0.01	< 0.005	—	92.8
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	926	926	0.15	0.02	—	935
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	92.6	92.6	0.01	< 0.005	—	93.5
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	403	403	0.07	0.01	—	407

Arena	—	—	—	—	—	—	—	—	—	—	—	—	76.6	76.6	0.01	< 0.005	—	77.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,198	5,198	0.84	0.10	—	5,250
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	140	140	0.02	< 0.005	—	142
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	174	174	0.03	< 0.005	—	175
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	142	142	0.02	< 0.005	—	143
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	142	142	0.02	< 0.005	—	143
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	15.2	15.2	< 0.005	< 0.005	—	15.4
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	153	153	0.02	< 0.005	—	155
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	15.3	15.3	< 0.005	< 0.005	—	15.5
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	66.7	66.7	0.01	< 0.005	—	67.4
Arena	—	—	—	—	—	—	—	—	—	—	—	—	12.7	12.7	< 0.005	< 0.005	—	12.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	861	861	0.14	0.02	—	869

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	849	849	0.14	0.02	—	857
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,050	1,050	0.17	0.02	—	1,060
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	855	855	0.14	0.02	—	864
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	856	856	0.14	0.02	—	865
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	93.1	93.1	0.02	< 0.005	—	94.1
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	926	926	0.15	0.02	—	935
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	92.6	92.6	0.01	< 0.005	—	93.5
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	403	403	0.07	0.01	—	407
Arena	—	—	—	—	—	—	—	—	—	—	—	—	76.6	76.6	0.01	< 0.005	—	77.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,201	5,201	0.84	0.10	—	5,252
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional	—	—	—	—	—	—	—	—	—	—	—	—	849	849	0.14	0.02	—	857
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,050	1,050	0.17	0.02	—	1,060
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	855	855	0.14	0.02	—	864
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	856	856	0.14	0.02	—	865
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	93.1	93.1	0.02	< 0.005	—	94.1
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	926	926	0.15	0.02	—	935
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	92.6	92.6	0.01	< 0.005	—	93.5
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	403	403	0.07	0.01	—	407
Arena	—	—	—	—	—	—	—	—	—	—	—	—	76.6	76.6	0.01	< 0.005	—	77.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,201	5,201	0.84	0.10	—	5,252
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	140	140	0.02	< 0.005	—	142
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	174	174	0.03	< 0.005	—	175

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	142	142	0.02	< 0.005	—	143
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	142	142	0.02	< 0.005	—	143
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	15.4	15.4	< 0.005	< 0.005	—	15.6
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	153	153	0.02	< 0.005	—	155
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	15.3	15.3	< 0.005	< 0.005	—	15.5
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	66.7	66.7	0.01	< 0.005	—	67.4
Arena	—	—	—	—	—	—	—	—	—	—	—	—	12.7	12.7	< 0.005	< 0.005	—	12.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	861	861	0.14	0.02	—	870

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Arena	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Condo/T	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Arena	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Hotel	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Arena	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Hotel	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Arena	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Arena	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Arena	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	168	168	0.03	< 0.005	—	170

Consum Products	10.2	10.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coating s	3.96	3.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipm ent	2.49	2.31	0.15	16.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	60.8	60.8	< 0.005	< 0.005	—	61.0
Total	16.7	16.5	0.15	16.8	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	229	229	0.03	< 0.005	—	231
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	168	168	0.03	< 0.005	—	170
Consum er Product s	10.2	10.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coating s	3.96	3.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	14.2	14.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	168	168	0.03	< 0.005	—	170
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	6.26	6.26	< 0.005	< 0.005	—	6.33
Consum er Product s	1.87	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coating s	0.72	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	0.22	0.21	0.01	1.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.96	4.96	< 0.005	< 0.005	—	4.98
Total	2.81	2.80	0.01	1.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	11.2	11.2	< 0.005	< 0.005	—	11.3

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	10.2	10.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.96	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.49	2.31	0.15	16.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	60.8	60.8	< 0.005	< 0.005	—	61.0
Total	13.7	13.5	0.15	16.8	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	60.8	60.8	< 0.005	< 0.005	—	61.0
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	10.2	10.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect ural Coating	0.96	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	11.2	11.2	0.00	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
Consum er Product s	1.87	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coating s	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipm ent	0.22	0.21	0.01	1.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.96	4.96	< 0.005	< 0.005	—	4.98
Total	2.27	2.25	0.01	1.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	4.96	4.96	< 0.005	< 0.005	—	4.98

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	21.2	19.3	40.5	2.18	0.05	—	110

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	8.00	8.00	< 0.005	< 0.005	—	8.08
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	4.90	4.47	9.37	0.50	0.01	—	25.5
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	0.80	0.73	1.53	0.08	< 0.005	—	4.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	5.82	5.31	11.1	0.60	0.01	—	30.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.33	2.13	4.45	0.24	0.01	—	12.1
Hotel	—	—	—	—	—	—	—	—	—	—	—	3.65	3.33	6.98	0.37	0.01	—	19.0
Arena	—	—	—	—	—	—	—	—	—	—	—	7.43	6.81	14.2	0.76	0.02	—	38.7
Total	—	—	—	—	—	—	—	—	—	—	—	46.1	50.1	96.2	4.73	0.11	—	248
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	21.2	19.3	40.5	2.18	0.05	—	110
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	8.00	8.00	< 0.005	< 0.005	—	8.08
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	4.90	4.47	9.37	0.50	0.01	—	25.5
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	0.80	0.73	1.53	0.08	< 0.005	—	4.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	5.82	5.31	11.1	0.60	0.01	—	30.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.33	2.13	4.45	0.24	0.01	—	12.1
Hotel	—	—	—	—	—	—	—	—	—	—	—	3.65	3.33	6.98	0.37	0.01	—	19.0
Arena	—	—	—	—	—	—	—	—	—	—	—	7.43	6.81	14.2	0.76	0.02	—	38.7
Total	—	—	—	—	—	—	—	—	—	—	—	46.1	50.1	96.2	4.73	0.11	—	248
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	3.51	3.20	6.71	0.36	0.01	—	18.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	1.32	1.32	< 0.005	< 0.005	—	1.34
Unenclo sed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.81	0.74	1.55	0.08	< 0.005	—	4.23
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	0.13	0.12	0.25	0.01	< 0.005	—	0.69
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.96	0.88	1.84	0.10	< 0.005	—	5.02

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.39	0.35	0.74	0.04	< 0.005	—	2.01
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.60	0.55	1.15	0.06	< 0.005	—	3.15
Arena	—	—	—	—	—	—	—	—	—	—	—	1.23	1.13	2.36	0.13	< 0.005	—	6.42
Total	—	—	—	—	—	—	—	—	—	—	—	7.63	8.30	15.9	0.78	0.02	—	41.1

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	21.2	19.3	40.5	2.18	0.05	—	110
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	8.00	8.00	< 0.005	< 0.005	—	8.08
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	4.90	4.47	9.37	0.50	0.01	—	25.5
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	0.80	0.73	1.53	0.08	< 0.005	—	4.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	5.82	5.31	11.1	0.60	0.01	—	30.3

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.33	2.13	4.45	0.24	0.01	—	12.1
Hotel	—	—	—	—	—	—	—	—	—	—	—	3.65	3.33	6.98	0.37	0.01	—	19.0
Arena	—	—	—	—	—	—	—	—	—	—	—	7.43	6.81	14.2	0.76	0.02	—	38.7
Total	—	—	—	—	—	—	—	—	—	—	—	46.1	50.1	96.2	4.73	0.11	—	248
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	21.2	19.3	40.5	2.18	0.05	—	110
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	8.00	8.00	< 0.005	< 0.005	—	8.08
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	4.90	4.47	9.37	0.50	0.01	—	25.5
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	0.80	0.73	1.53	0.08	< 0.005	—	4.16
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	5.82	5.31	11.1	0.60	0.01	—	30.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.33	2.13	4.45	0.24	0.01	—	12.1
Hotel	—	—	—	—	—	—	—	—	—	—	—	3.65	3.33	6.98	0.37	0.01	—	19.0

Arena	—	—	—	—	—	—	—	—	—	—	—	7.43	6.81	14.2	0.76	0.02	—	38.7
Total	—	—	—	—	—	—	—	—	—	—	—	46.1	50.1	96.2	4.73	0.11	—	248
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.51	3.20	6.71	0.36	0.01	—	18.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	1.32	1.32	< 0.005	< 0.005	—	1.34
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.81	0.74	1.55	0.08	< 0.005	—	4.23
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	0.13	0.12	0.25	0.01	< 0.005	—	0.69
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.96	0.88	1.84	0.10	< 0.005	—	5.02
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.39	0.35	0.74	0.04	< 0.005	—	2.01
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.60	0.55	1.15	0.06	< 0.005	—	3.15
Arena	—	—	—	—	—	—	—	—	—	—	—	1.23	1.13	2.36	0.13	< 0.005	—	6.42
Total	—	—	—	—	—	—	—	—	—	—	—	7.63	8.30	15.9	0.78	0.02	—	41.1

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	84.5	0.00	84.5	8.44	0.00	—	295
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	34.3	0.00	34.3	3.43	0.00	—	120
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	5.57	0.00	5.57	0.56	0.00	—	19.5
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	4.92	0.00	4.92	0.49	0.00	—	17.2
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Hotel	—	—	—	—	—	—	—	—	—	—	—	22.1	0.00	22.1	2.21	0.00	—	77.4
Arena	—	—	—	—	—	—	—	—	—	—	—	0.13	0.00	0.13	0.01	0.00	—	0.47
Total	—	—	—	—	—	—	—	—	—	—	—	176	0.00	176	17.6	0.00	—	617
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	84.5	0.00	84.5	8.44	0.00	—	295
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	34.3	0.00	34.3	3.43	0.00	—	120
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	5.57	0.00	5.57	0.56	0.00	—	19.5
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	4.92	0.00	4.92	0.49	0.00	—	17.2
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Hotel	—	—	—	—	—	—	—	—	—	—	—	22.1	0.00	22.1	2.21	0.00	—	77.4
Arena	—	—	—	—	—	—	—	—	—	—	—	0.13	0.00	0.13	0.01	0.00	—	0.47
Total	—	—	—	—	—	—	—	—	—	—	—	176	0.00	176	17.6	0.00	—	617
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	14.0	0.00	14.0	1.40	0.00	—	48.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	5.68	0.00	5.68	0.57	0.00	—	19.9
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	0.92	0.00	0.92	0.09	0.00	—	3.23
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.81	0.00	0.81	0.08	0.00	—	2.85
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	4.11	0.00	4.11	0.41	0.00	—	14.4
Hotel	—	—	—	—	—	—	—	—	—	—	—	3.66	0.00	3.66	0.37	0.00	—	12.8
Arena	—	—	—	—	—	—	—	—	—	—	—	0.02	0.00	0.02	< 0.005	0.00	—	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	29.2	0.00	29.2	2.92	0.00	—	102

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	84.5	0.00	84.5	8.44	0.00	—	295
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	34.3	0.00	34.3	3.43	0.00	—	120
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	5.57	0.00	5.57	0.56	0.00	—	19.5
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	4.92	0.00	4.92	0.49	0.00	—	17.2
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Hotel	—	—	—	—	—	—	—	—	—	—	—	22.1	0.00	22.1	2.21	0.00	—	77.4
Arena	—	—	—	—	—	—	—	—	—	—	—	0.13	0.00	0.13	0.01	0.00	—	0.47
Total	—	—	—	—	—	—	—	—	—	—	—	176	0.00	176	17.6	0.00	—	617
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	84.5	0.00	84.5	8.44	0.00	—	295
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	34.3	0.00	34.3	3.43	0.00	—	120

Condo/T	—	—	—	—	—	—	—	—	—	—	—	5.57	0.00	5.57	0.56	0.00	—	19.5
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	4.92	0.00	4.92	0.49	0.00	—	17.2
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Hotel	—	—	—	—	—	—	—	—	—	—	—	22.1	0.00	22.1	2.21	0.00	—	77.4
Arena	—	—	—	—	—	—	—	—	—	—	—	0.13	0.00	0.13	0.01	0.00	—	0.47
Total	—	—	—	—	—	—	—	—	—	—	—	176	0.00	176	17.6	0.00	—	617
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	14.0	0.00	14.0	1.40	0.00	—	48.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	5.68	0.00	5.68	0.57	0.00	—	19.9
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	0.92	0.00	0.92	0.09	0.00	—	3.23
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.81	0.00	0.81	0.08	0.00	—	2.85
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	4.11	0.00	4.11	0.41	0.00	—	14.4

Hotel	—	—	—	—	—	—	—	—	—	—	—	3.66	0.00	3.66	0.37	0.00	—	12.8
Arena	—	—	—	—	—	—	—	—	—	—	—	0.02	0.00	0.02	< 0.005	0.00	—	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	29.2	0.00	29.2	2.92	0.00	—	102

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.72	0.72
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.56	1.56
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.6	15.6
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.25	6.25
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75.7	75.7
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.72	0.72
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.56	1.56
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.6	15.6
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.25	6.25
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75.7	75.7
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12	0.12
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.59	2.59
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.04	1.04
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.5	12.5
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.6	16.6

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.72	0.72
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.56	1.56
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.6	15.6
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.25	6.25

Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75.7	75.7
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.72	0.72
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.56	1.56
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.6	15.6
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.25	6.25
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75.7	75.7
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	100
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12	0.12
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26

Condo/T	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.59	2.59
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.04	1.04
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.5	12.5
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.6	16.6

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)

Equipm 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)

Equipm ent 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emerg ency Generat or	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Process Boiler	7.00	4.28	0.00	63.0	2.83	12.6	0.00	12.6	3.15	0.00	3.15	0.00	314,904	314,904	2.72	1.01	0.00	315,273
Total	7.00	4.28	0.00	63.0	2.83	12.6	0.00	12.6	3.15	0.00	3.15	0.00	314,904	314,904	2.72	1.01	0.00	315,273
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergency	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Process Boiler	7.00	4.28	0.00	63.0	2.83	12.6	0.00	12.6	3.15	0.00	3.15	0.00	314,904	314,904	2.72	1.01	0.00	315,273
Total	7.00	4.28	0.00	63.0	2.83	12.6	0.00	12.6	3.15	0.00	3.15	0.00	314,904	314,904	2.72	1.01	0.00	315,273
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Process Boiler	1.28	0.78	0.00	11.5	0.52	2.30	0.00	2.30	0.57	0.00	0.57	0.00	52,136	52,136	0.45	0.17	0.00	52,197
Total	1.28	0.78	0.00	11.5	0.52	2.30	0.00	2.30	0.57	0.00	0.57	0.00	52,136	52,136	0.45	0.17	0.00	52,197

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Process Boiler	7.00	4.28	0.00	63.0	2.83	12.6	0.00	12.6	3.15	0.00	3.15	0.00	314,904	314,904	2.72	1.01	0.00	315,273
Total	7.00	4.28	0.00	63.0	2.83	12.6	0.00	12.6	3.15	0.00	3.15	0.00	314,904	314,904	2.72	1.01	0.00	315,273
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Process Boiler	7.00	4.28	0.00	63.0	2.83	12.6	0.00	12.6	3.15	0.00	3.15	0.00	314,904	314,904	2.72	1.01	0.00	315,273
Total	7.00	4.28	0.00	63.0	2.83	12.6	0.00	12.6	3.15	0.00	3.15	0.00	314,904	314,904	2.72	1.01	0.00	315,273
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Process Boiler	1.28	0.78	0.00	11.5	0.52	2.30	0.00	2.30	0.57	0.00	0.57	0.00	52,136	52,136	0.45	0.17	0.00	52,197
Total	1.28	0.78	0.00	11.5	0.52	2.30	0.00	2.30	0.57	0.00	0.57	0.00	52,136	52,136	0.45	0.17	0.00	52,197

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)

Equipm ent 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)

Vegetati on	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Grazing	—	—	—	—	—	—	—	—	—	—	—	—	148	148	—	—	—	148
Forest	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	148	148	—	—	—	148
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Grazing	—	—	—	—	—	—	—	—	—	—	—	—	148	148	—	—	—	148
Forest	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	148	148	—	—	—	148
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Grazing	—	—	—	—	—	—	—	—	—	—	—	—	24.5	24.5	—	—	—	24.5
Forest	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	24.5	24.5	—	—	—	24.5

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	75.2	75.2	—	—	—	75.2
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	33.6	33.6	—	—	—	33.6
Shrubland	—	—	—	—	—	—	—	—	—	—	—	—	30.9	30.9	—	—	—	30.9
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	140	140	—	—	—	140
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	75.2	75.2	—	—	—	75.2

Grassla	—	—	—	—	—	—	—	—	—	—	—	—	33.6	33.6	—	—	—	33.6
Shrubla nd	—	—	—	—	—	—	—	—	—	—	—	—	30.9	30.9	—	—	—	30.9
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	140	140	—	—	—	140
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadle af Forest	—	—	—	—	—	—	—	—	—	—	—	—	12.4	12.4	—	—	—	12.4
Grassla nd	—	—	—	—	—	—	—	—	—	—	—	—	5.57	5.57	—	—	—	5.57
Shrubla nd	—	—	—	—	—	—	—	—	—	—	—	—	5.12	5.12	—	—	—	5.12
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	23.1	23.1	—	—	—	23.1

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Californi a sycamor e	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Red stem dogwood	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Ginkgo biloba	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.18	-1.18	—	—	—	-1.18

Bigleaf maple	—	0.00	> -0.005	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Saucer magnolia	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.76	-1.76	—	—	—	-1.76
Flowering dogwood	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.27	-0.27	—	—	—	-0.27
Bay laurel	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Trident maple	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Chaste Tree	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Ginkgo biloba	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Japanese maple	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
California redbud	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Dogwood spp.	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Subtotal	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-3.21	-3.21	—	—	—	-3.21
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
California sycamore	—	—	—	—	—	—	—	—	—	—	—	—	-6.17	-6.17	—	—	—	-6.17
Red stem dogwood	—	—	—	—	—	—	—	—	—	—	—	—	-7.63	-7.63	—	—	—	-7.63
Ginkgo biloba	—	—	—	—	—	—	—	—	—	—	—	—	-0.67	-0.67	—	—	—	-0.67

Bigleaf maple	—	—	—	—	—	—	—	—	—	—	—	—	-5.15	-5.15	—	—	—	-5.15
Saucer magnolia	—	—	—	—	—	—	—	—	—	—	—	—	-7.42	-7.42	—	—	—	-7.42
Flowering dogwood	—	—	—	—	—	—	—	—	—	—	—	—	-1.33	-1.33	—	—	—	-1.33
Bay laurel	—	—	—	—	—	—	—	—	—	—	—	—	-2.24	-2.24	—	—	—	-2.24
Trident maple	—	—	—	—	—	—	—	—	—	—	—	—	-1.77	-1.77	—	—	—	-1.77
Chaste Tree	—	—	—	—	—	—	—	—	—	—	—	—	-1.05	-1.05	—	—	—	-1.05
Ginkgo biloba	—	—	—	—	—	—	—	—	—	—	—	—	-0.33	-0.33	—	—	—	-0.33
Japanese maple	—	—	—	—	—	—	—	—	—	—	—	—	-1.40	-1.40	—	—	—	-1.40
California redbud	—	—	—	—	—	—	—	—	—	—	—	—	-3.06	-3.06	—	—	—	-3.06
Dogwood spp.	—	—	—	—	—	—	—	—	—	—	—	—	-2.54	-2.54	—	—	—	-2.54
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-40.8	-40.8	—	—	—	-40.8
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
California sycamore	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red stem dogwood	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Ginkgo biloba	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Bigleaf maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Saucer magnolia	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Flowering dogwood	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Bay laurel	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Trident maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chaste Tree	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Ginkgo biloba	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Japanese maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
California redbud	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Dogwood spp.	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	> -0.005	-0.01	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-44.0	-44.0	—	—	—	-44.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
California sycamore	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00

Red stem dogwood	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Ginkgo biloba	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.18	-1.18	—	—	—	-1.18
Bigleaf maple	—	0.00	> -0.005	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Saucer magnolia	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.76	-1.76	—	—	—	-1.76
Flowerin g dogwoo d	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.27	-0.27	—	—	—	-0.27
Bay laurel	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Trident maple	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Chaste Tree	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Gingko biloba	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Japanes e maple	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Californi a redbud	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Dogwoo d spp.	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Subtotal	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-3.21	-3.21	—	—	—	-3.21
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Californi a sycamor e	—	—	—	—	—	—	—	—	—	—	—	—	-6.17	-6.17	—	—	—	-6.17

Red stem dogwood	—	—	—	—	—	—	—	—	—	—	—	—	-7.63	-7.63	—	—	—	-7.63
Ginkgo biloba	—	—	—	—	—	—	—	—	—	—	—	—	-0.67	-0.67	—	—	—	-0.67
Bigleaf maple	—	—	—	—	—	—	—	—	—	—	—	—	-5.15	-5.15	—	—	—	-5.15
Saucer magnolia	—	—	—	—	—	—	—	—	—	—	—	—	-7.42	-7.42	—	—	—	-7.42
Flowering dogwood	—	—	—	—	—	—	—	—	—	—	—	—	-1.33	-1.33	—	—	—	-1.33
Bay laurel	—	—	—	—	—	—	—	—	—	—	—	—	-2.24	-2.24	—	—	—	-2.24
Trident maple	—	—	—	—	—	—	—	—	—	—	—	—	-1.77	-1.77	—	—	—	-1.77
Chaste Tree	—	—	—	—	—	—	—	—	—	—	—	—	-1.05	-1.05	—	—	—	-1.05
Ginkgo biloba	—	—	—	—	—	—	—	—	—	—	—	—	-0.33	-0.33	—	—	—	-0.33
Japanese maple	—	—	—	—	—	—	—	—	—	—	—	—	-1.40	-1.40	—	—	—	-1.40
California redbud	—	—	—	—	—	—	—	—	—	—	—	—	-3.06	-3.06	—	—	—	-3.06
Dogwood spp.	—	—	—	—	—	—	—	—	—	—	—	—	-2.54	-2.54	—	—	—	-2.54
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-40.8	-40.8	—	—	—	-40.8
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
California sycamore	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Red stem dogwood	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Ginkgo biloba	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Bigleaf maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Saucer magnolia	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Flowering dogwood	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Bay laurel	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Trident maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chaste Tree	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Ginkgo biloba	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Japanese maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
California redbud	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Dogwood spp.	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	> -0.005	-0.01	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-44.0	-44.0	—	—	—	-44.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Californi sycamore	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Red stem dogwood	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Ginkgo biloba	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.19	-0.19	—	—	—	-0.19
Bigleaf maple	—	0.00	> -0.005	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Saucer magnolia	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.29	-0.29	—	—	—	-0.29
Flowerin g dogwoo d	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.04	-0.04	—	—	—	-0.04
Bay laurel	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Trident maple	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Chaste Tree	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Ginkgo biloba	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Japanes e maple	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Californi a redbud	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Dogwoo d spp.	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Subtotal	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.53	-0.53	—	—	—	-0.53
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

California	—	—	—	—	—	—	—	—	—	—	—	—	-1.02	-1.02	—	—	—	-1.02
Red stem dogwood	—	—	—	—	—	—	—	—	—	—	—	—	-1.26	-1.26	—	—	—	-1.26
Ginkgo biloba	—	—	—	—	—	—	—	—	—	—	—	—	-0.11	-0.11	—	—	—	-0.11
Bigleaf maple	—	—	—	—	—	—	—	—	—	—	—	—	-0.85	-0.85	—	—	—	-0.85
Saucer magnolia	—	—	—	—	—	—	—	—	—	—	—	—	-1.23	-1.23	—	—	—	-1.23
Flowering dogwood	—	—	—	—	—	—	—	—	—	—	—	—	-0.22	-0.22	—	—	—	-0.22
Bay laurel	—	—	—	—	—	—	—	—	—	—	—	—	-0.37	-0.37	—	—	—	-0.37
Trident maple	—	—	—	—	—	—	—	—	—	—	—	—	-0.29	-0.29	—	—	—	-0.29
Chaste Tree	—	—	—	—	—	—	—	—	—	—	—	—	-0.17	-0.17	—	—	—	-0.17
Ginkgo biloba	—	—	—	—	—	—	—	—	—	—	—	—	-0.06	-0.06	—	—	—	-0.06
Japanese maple	—	—	—	—	—	—	—	—	—	—	—	—	-0.23	-0.23	—	—	—	-0.23
California redbud	—	—	—	—	—	—	—	—	—	—	—	—	-0.51	-0.51	—	—	—	-0.51
Dogwood spp.	—	—	—	—	—	—	—	—	—	—	—	—	-0.42	-0.42	—	—	—	-0.42
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-6.75	-6.75	—	—	—	-6.75
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Californi a	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red stem dogwood	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Ginkgo biloba	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Bigleaf maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Saucer magnolia	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Flowerin g dogwoo d	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Bay laurel	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Trident maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chaste Tree	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Ginkgo biloba	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Japanes e maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Californi a redbud	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Dogwoo d spp.	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-7.28	-7.28	—	—	—	-7.28

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Grazing	—	—	—	—	—	—	—	—	—	—	—	—	148	148	—	—	—	148
Forest	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	148	148	—	—	—	148
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Grazing	—	—	—	—	—	—	—	—	—	—	—	—	148	148	—	—	—	148
Forest	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	148	148	—	—	—	148
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Grazing	—	—	—	—	—	—	—	—	—	—	—	—	24.5	24.5	—	—	—	24.5
Forest	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	24.5	24.5	—	—	—	24.5

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Broadle Forest	—	—	—	—	—	—	—	—	—	—	—	—	75.2	75.2	—	—	—	75.2
Grassla nd	—	—	—	—	—	—	—	—	—	—	—	—	33.6	33.6	—	—	—	33.6
Shrubla nd	—	—	—	—	—	—	—	—	—	—	—	—	30.9	30.9	—	—	—	30.9
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	140	140	—	—	—	140
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadle af Forest	—	—	—	—	—	—	—	—	—	—	—	—	75.2	75.2	—	—	—	75.2
Grassla nd	—	—	—	—	—	—	—	—	—	—	—	—	33.6	33.6	—	—	—	33.6
Shrubla nd	—	—	—	—	—	—	—	—	—	—	—	—	30.9	30.9	—	—	—	30.9
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	140	140	—	—	—	140
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadle af Forest	—	—	—	—	—	—	—	—	—	—	—	—	12.4	12.4	—	—	—	12.4
Grassla nd	—	—	—	—	—	—	—	—	—	—	—	—	5.57	5.57	—	—	—	5.57
Shrubla nd	—	—	—	—	—	—	—	—	—	—	—	—	5.12	5.12	—	—	—	5.12
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	23.1	23.1	—	—	—	23.1

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
California sycamore	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Red stem dogwood	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Ginkgo biloba	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.18	-1.18	—	—	—	-1.18
Bigleaf maple	—	0.00	> -0.005	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Saucer magnolia	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.76	-1.76	—	—	—	-1.76
Flowering dogwood	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.27	-0.27	—	—	—	-0.27
Bay laurel	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Trident maple	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Chaste Tree	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Ginkgo biloba	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Japanese maple	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
California redbud	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00

Dogwood spp.	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Subtotal	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-3.21	-3.21	—	—	—	-3.21
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
California sycamore	—	—	—	—	—	—	—	—	—	—	—	—	-6.17	-6.17	—	—	—	-6.17
Red stem dogwood	—	—	—	—	—	—	—	—	—	—	—	—	-7.63	-7.63	—	—	—	-7.63
Ginkgo biloba	—	—	—	—	—	—	—	—	—	—	—	—	-0.67	-0.67	—	—	—	-0.67
Bigleaf maple	—	—	—	—	—	—	—	—	—	—	—	—	-5.15	-5.15	—	—	—	-5.15
Saucer magnolia	—	—	—	—	—	—	—	—	—	—	—	—	-7.42	-7.42	—	—	—	-7.42
Flowering dogwood	—	—	—	—	—	—	—	—	—	—	—	—	-1.33	-1.33	—	—	—	-1.33
Bay laurel	—	—	—	—	—	—	—	—	—	—	—	—	-2.24	-2.24	—	—	—	-2.24
Trident maple	—	—	—	—	—	—	—	—	—	—	—	—	-1.77	-1.77	—	—	—	-1.77
Chaste Tree	—	—	—	—	—	—	—	—	—	—	—	—	-1.05	-1.05	—	—	—	-1.05
Ginkgo biloba	—	—	—	—	—	—	—	—	—	—	—	—	-0.33	-0.33	—	—	—	-0.33
Japanese maple	—	—	—	—	—	—	—	—	—	—	—	—	-1.40	-1.40	—	—	—	-1.40
California redbud	—	—	—	—	—	—	—	—	—	—	—	—	-3.06	-3.06	—	—	—	-3.06

Dogwood spp.	—	—	—	—	—	—	—	—	—	—	—	—	-2.54	-2.54	—	—	—	-2.54
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-40.8	-40.8	—	—	—	-40.8
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
California sycamore	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red stem dogwood	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Ginkgo biloba	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Bigleaf maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Saucer magnolia	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Flowering dogwood	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Bay laurel	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Trident maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chaste Tree	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Ginkgo biloba	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Japanese maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
California redbud	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Dogwood spp.	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	> -0.005	-0.01	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-44.0	-44.0	—	—	—	-44.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
California sycamore	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Red stem dogwood	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Ginkgo biloba	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.18	-1.18	—	—	—	-1.18
Bigleaf maple	—	0.00	> -0.005	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Saucer magnolia	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.76	-1.76	—	—	—	-1.76
Flowering dogwood	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.27	-0.27	—	—	—	-0.27
Bay laurel	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Trident maple	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Chaste Tree	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Ginkgo biloba	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00

Japanese	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
California redbud	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Dogwood spp.	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Subtotal	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-3.21	-3.21	—	—	—	-3.21
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
California sycamore	—	—	—	—	—	—	—	—	—	—	—	—	-6.17	-6.17	—	—	—	-6.17
Red stem dogwood	—	—	—	—	—	—	—	—	—	—	—	—	-7.63	-7.63	—	—	—	-7.63
Ginkgo biloba	—	—	—	—	—	—	—	—	—	—	—	—	-0.67	-0.67	—	—	—	-0.67
Bigleaf maple	—	—	—	—	—	—	—	—	—	—	—	—	-5.15	-5.15	—	—	—	-5.15
Saucer magnolia	—	—	—	—	—	—	—	—	—	—	—	—	-7.42	-7.42	—	—	—	-7.42
Flowering dogwood	—	—	—	—	—	—	—	—	—	—	—	—	-1.33	-1.33	—	—	—	-1.33
Bay laurel	—	—	—	—	—	—	—	—	—	—	—	—	-2.24	-2.24	—	—	—	-2.24
Trident maple	—	—	—	—	—	—	—	—	—	—	—	—	-1.77	-1.77	—	—	—	-1.77
Chaste Tree	—	—	—	—	—	—	—	—	—	—	—	—	-1.05	-1.05	—	—	—	-1.05
Ginkgo biloba	—	—	—	—	—	—	—	—	—	—	—	—	-0.33	-0.33	—	—	—	-0.33

Japane smaple	—	—	—	—	—	—	—	—	—	—	—	—	-1.40	-1.40	—	—	—	-1.40
Californi a redbud	—	—	—	—	—	—	—	—	—	—	—	—	-3.06	-3.06	—	—	—	-3.06
Dogwoo d spp.	—	—	—	—	—	—	—	—	—	—	—	—	-2.54	-2.54	—	—	—	-2.54
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-40.8	-40.8	—	—	—	-40.8
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Californi a sycamor e	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red stem dogwood	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Ginkgo biloba	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Bigleaf maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Saucer magnolia	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Flowerin g dogwoo d	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Bay laurel	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Trident maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chaste Tree	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Ginkgo biloba	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Japanes maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Californi a redbud	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Dogwoo d spp.	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	> -0.005	-0.01	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-44.0	-44.0	—	—	—	-44.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Californi a sycamor e	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Red stem dogwood	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Ginkgo biloba	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.19	-0.19	—	—	—	-0.19
Bigleaf maple	—	0.00	> -0.005	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Saucer magnolia	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.29	-0.29	—	—	—	-0.29
Flowerin g dogwoo d	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.04	-0.04	—	—	—	-0.04
Bay laurel	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00
Trident maple	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	—	—	0.00

[illegible]

[illegible]

Chaste Tree	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Ginkgo biloba	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Japanese maple	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
California redbud	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Dogwood spp.	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-7.28	-7.28	—	—	—	-7.28

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Linear, Grubbing & Land Clearing	Linear, Grubbing & Land Clearing	5/1/2026	8/1/2028	5.00	588	—
Linear, Grading & Excavation	Linear, Grading & Excavation	8/4/2028	10/31/2030	5.00	585	—
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	10/31/2028	6/30/2031	5.00	695	—
Linear, Paving	Linear, Paving	7/1/2030	8/29/2032	5.00	565	—
Demolition	Demolition	5/1/2026	10/31/2026	5.00	131	—
Site Preparation	Site Preparation	6/2/2026	10/31/2028	5.00	631	—
Grading	Grading	10/4/2026	3/7/2030	5.00	894	—
Building Construction	Building Construction	3/8/2028	6/9/2033	5.00	1,372	—

Paving	Paving	5/10/2029	9/23/2032	5.00	881	—
Architectural Coating	Architectural Coating	9/24/2030	1/7/2034	5.00	859	—

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
Linear, Grubbing & Land Clearing	Signal Boards	Electric	Average	2.00	8.00	6.00	0.82
Linear, Grubbing & Land Clearing	Crawler Tractors	Diesel	Tier 4 Final	2.00	8.00	87.0	0.43
Linear, Grubbing & Land Clearing	Excavators	Diesel	Tier 4 Final	3.00	8.00	36.0	0.38
Linear, Grading & Excavation	Excavators	Diesel	Tier 4 Final	7.00	8.00	36.0	0.38
Linear, Grading & Excavation	Crawler Tractors	Diesel	Tier 4 Final	3.00	8.00	87.0	0.43
Linear, Grading & Excavation	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Linear, Grading & Excavation	Graders	Diesel	Tier 4 Final	3.00	8.00	148	0.41
Linear, Grading & Excavation	Rollers	Diesel	Tier 4 Final	5.00	8.00	36.0	0.38
Linear, Grading & Excavation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Linear, Grading & Excavation	Signal Boards	Electric	Average	2.00	8.00	6.00	0.82
Linear, Grading & Excavation	Rubber Tired Loaders	Diesel	Average	4.00	8.00	150	0.36
Linear, Grading & Excavation	Scrapers	Diesel	Tier 4 Final	6.00	8.00	423	0.48
Linear, Drainage, Utilities, & Sub-Grade	Scrapers	Diesel	Tier 4 Final	6.00	8.00	423	0.48

Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
Linear, Drainage, Utilities, & Sub-Grade	Signal Boards	Electric	Average	2.00	8.00	6.00	0.82
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Tier 4 Final	3.00	8.00	148	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Tier 4 Final	2.00	8.00	8.00	0.43
Linear, Drainage, Utilities, & Sub-Grade	Pumps	Diesel	Tier 4 Final	2.00	8.00	11.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	14.0	0.74
Linear, Paving	Rollers	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Linear, Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Linear, Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Linear, Paving	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Linear, Paving	Signal Boards	Electric	Average	2.00	8.00	6.00	0.82
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	9.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	5.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	5.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	6.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	14.0	0.74

Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	3.00	8.00	81.0	0.42
Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Paving	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	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
Linear, Grubbing & Land Clearing	Signal Boards	Electric	Average	2.00	8.00	6.00	0.82
Linear, Grubbing & Land Clearing	Crawler Tractors	Diesel	Tier 4 Final	2.00	8.00	87.0	0.43
Linear, Grubbing & Land Clearing	Excavators	Diesel	Tier 4 Final	3.00	8.00	36.0	0.38
Linear, Grading & Excavation	Excavators	Diesel	Tier 4 Final	7.00	8.00	36.0	0.38
Linear, Grading & Excavation	Crawler Tractors	Diesel	Tier 4 Final	3.00	8.00	87.0	0.43
Linear, Grading & Excavation	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Linear, Grading & Excavation	Graders	Diesel	Tier 4 Final	3.00	8.00	148	0.41
Linear, Grading & Excavation	Rollers	Diesel	Tier 4 Final	5.00	8.00	36.0	0.38
Linear, Grading & Excavation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Linear, Grading & Excavation	Signal Boards	Electric	Average	2.00	8.00	6.00	0.82

Linear, Grading & Excavation	Rubber Tired Loaders	Diesel	Average	4.00	8.00	150	0.36
Linear, Grading & Excavation	Scrapers	Diesel	Tier 4 Final	6.00	8.00	423	0.48
Linear, Drainage, Utilities, & Sub-Grade	Scrapers	Diesel	Tier 4 Final	6.00	8.00	423	0.48
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
Linear, Drainage, Utilities, & Sub-Grade	Signal Boards	Electric	Average	2.00	8.00	6.00	0.82
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Tier 4 Final	3.00	8.00	148	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Tier 4 Final	2.00	8.00	8.00	0.43
Linear, Drainage, Utilities, & Sub-Grade	Pumps	Diesel	Tier 4 Final	2.00	8.00	11.0	0.74
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	14.0	0.74
Linear, Paving	Rollers	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Linear, Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Linear, Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Linear, Paving	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Linear, Paving	Signal Boards	Electric	Average	2.00	8.00	6.00	0.82
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	9.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	5.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	5.00	8.00	84.0	0.37

Grading	Graders	Diesel	Tier 4 Final	6.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	3.00	8.00	81.0	0.42
Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Paving	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	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
Demolition	—	—	—	—
Demolition	Worker	27.5	10.1	LDA,LDT1,LDT2
Demolition	Vendor	2.00	7.35	HHDT,MHDT
Demolition	Hauling	0.99	20.0	HHDT
Demolition	Onsite truck	2.00	7.35	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	25.0	10.1	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	7.35	HHDT,MHDT
Site Preparation	Hauling	4.38	20.0	HHDT
Site Preparation	Onsite truck	2.00	7.35	HHDT
Grading	—	—	—	—

Grading	Worker	20.0	10.1	LDA,LDT1,LDT2
Grading	Vendor	2.00	7.35	HHDT,MHDT
Grading	Hauling	6.26	20.0	HHDT
Grading	Onsite truck	2.00	7.35	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	164	10.1	LDA,LDT1,LDT2
Building Construction	Vendor	52.5	7.35	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	2.00	7.35	HHDT
Paving	—	—	—	—
Paving	Worker	25.0	10.1	LDA,LDT1,LDT2
Paving	Vendor	2.00	7.35	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	2.00	7.35	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	32.8	10.1	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	0.00	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	2.00	7.35	HHDT
Linear, Grubbing & Land Clearing	—	—	—	—
Linear, Grubbing & Land Clearing	Worker	17.5	10.1	LDA,LDT1,LDT2
Linear, Grubbing & Land Clearing	Vendor	0.00	7.35	HHDT,MHDT
Linear, Grubbing & Land Clearing	Hauling	0.00	20.0	HHDT
Linear, Grubbing & Land Clearing	Onsite truck	2.00	7.35	HHDT
Linear, Grading & Excavation	—	—	—	—
Linear, Grading & Excavation	Worker	87.5	10.1	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	2.00	7.35	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0.81	20.0	HHDT

Linear, Grading & Excavation	Onsite truck	2.00	7.35	HHDT
Linear, Drainage, Utilities, & Sub-Grade	—	—	—	—
Linear, Drainage, Utilities, & Sub-Grade	Worker	62.5	10.1	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	0.00	7.35	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	0.00	20.0	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	2.00	7.35	HHDT
Linear, Paving	—	—	—	—
Linear, Paving	Worker	35.0	10.1	LDA,LDT1,LDT2
Linear, Paving	Vendor	0.00	7.35	HHDT,MHDT
Linear, Paving	Hauling	0.00	20.0	HHDT
Linear, Paving	Onsite truck	2.00	7.35	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	27.5	10.1	LDA,LDT1,LDT2
Demolition	Vendor	2.00	7.35	HHDT,MHDT
Demolition	Hauling	0.99	20.0	HHDT
Demolition	Onsite truck	2.00	7.35	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	25.0	10.1	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	7.35	HHDT,MHDT
Site Preparation	Hauling	4.38	20.0	HHDT
Site Preparation	Onsite truck	2.00	7.35	HHDT
Grading	—	—	—	—

Grading	Worker	20.0	10.1	LDA,LDT1,LDT2
Grading	Vendor	2.00	7.35	HHDT,MHDT
Grading	Hauling	6.26	20.0	HHDT
Grading	Onsite truck	2.00	7.35	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	164	10.1	LDA,LDT1,LDT2
Building Construction	Vendor	52.5	7.35	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	2.00	7.35	HHDT
Paving	—	—	—	—
Paving	Worker	25.0	10.1	LDA,LDT1,LDT2
Paving	Vendor	2.00	7.35	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	2.00	7.35	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	32.8	10.1	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	0.00	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	2.00	7.35	HHDT
Linear, Grubbing & Land Clearing	—	—	—	—
Linear, Grubbing & Land Clearing	Worker	17.5	10.1	LDA,LDT1,LDT2
Linear, Grubbing & Land Clearing	Vendor	0.00	7.35	HHDT,MHDT
Linear, Grubbing & Land Clearing	Hauling	0.00	20.0	HHDT
Linear, Grubbing & Land Clearing	Onsite truck	2.00	7.35	HHDT
Linear, Grading & Excavation	—	—	—	—
Linear, Grading & Excavation	Worker	87.5	10.1	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	2.00	7.35	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0.81	20.0	HHDT

Linear, Grading & Excavation	Onsite truck	2.00	7.35	HHDT
Linear, Drainage, Utilities, & Sub-Grade	—	—	—	—
Linear, Drainage, Utilities, & Sub-Grade	Worker	62.5	10.1	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	0.00	7.35	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	0.00	20.0	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	2.00	7.35	HHDT
Linear, Paving	—	—	—	—
Linear, Paving	Worker	35.0	10.1	LDA,LDT1,LDT2
Linear, Paving	Vendor	0.00	7.35	HHDT,MHDT
Linear, Paving	Hauling	0.00	20.0	HHDT
Linear, Paving	Onsite truck	2.00	7.35	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	511,191	170,397	327,629	108,954	130,167

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Linear, Grubbing & Land Clearing	0.00	0.00	1.23	0.00	—
Linear, Grading & Excavation	3,800	0.00	1.23	0.00	—
Linear, Drainage, Utilities, & Sub-Grade	0.00	0.00	1.23	0.00	—
Demolition	0.00	0.00	0.00	11,280	—
Site Preparation	0.00	22,098	923	0.00	—
Grading	44,743	0.00	660	0.00	—
Paving	0.00	0.00	0.00	0.00	30.7

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
Regional Shopping Center	0.00	0%
Bridge/Overpass Construction	0.46	100%
Parking Lot	28.9	100%
Unenclosed Parking with Elevator	0.59	100%
Apartments Mid Rise	—	0%
Condo/Townhouse	—	0%
Quality Restaurant	0.00	0%
Fast Food Restaurant w/o Drive Thru	0.00	0%
Hotel	0.00	0%
Road Construction	0.77	100%
Arena	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	58.7	204	0.03	< 0.005
2027	58.7	204	0.03	< 0.005
2028	176	204	0.03	< 0.005
2029	117	204	0.03	< 0.005
2030	176	204	0.03	< 0.005
2031	117	204	0.03	< 0.005
2032	58.7	204	0.03	< 0.005
2033	0.00	204	0.03	< 0.005
2034	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
Regional Shopping Center	5,634	6,883	3,149	1,992,041	12,703	17,316	7,922	4,627,870
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	468	422	352	162,331	3,146	2,840	2,366	1,091,736
Condo/Townhouse	102	114	87.9	37,245	689	766	591	250,484
Quality Restaurant	838	900	720	303,059	1,628	3,939	3,149	793,995
Fast Food Restaurant w/o Drive Thru	1,385	2,784	2,000	610,520	6,059	12,180	8,750	2,671,081

Hotel	627	614	446	218,765	2,743	2,687	1,952	957,119
Arena	96.4	96.4	96.4	35,193	422	422	422	153,972

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VM/Weekday	VM/Saturday	VM/Sunday	VM/Year
Regional Shopping Center	5,274	6,443	2,948	1,864,550	11,890	16,208	7,415	4,331,687
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	438	395	329	151,942	2,945	2,658	2,214	1,021,865
Condo/Townhouse	95.9	107	82.3	34,861	645	717	553	234,453
Quality Restaurant	785	843	674	283,664	1,524	3,687	2,947	743,179
Fast Food Restaurant w/o Drive Thru	1,296	2,606	1,872	571,447	5,671	11,401	8,190	2,500,132
Hotel	587	575	418	204,764	2,568	2,515	1,827	895,863
Arena	90.2	90.2	90.2	32,941	395	395	395	144,118

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0

Propane Fireplaces	0
Electric Fireplaces	236
No Fireplaces	0
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	14
No Fireplaces	1
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)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0

Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	1
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)
511191	170,397	327,629	108,954	130,167

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)
Regional Shopping Center	1,518,359	204	0.0330	0.0040	0.00
Parking Lot	1,878,034	204	0.0330	0.0040	0.00
Unenclosed Parking with Elevator	1,530,330	204	0.0330	0.0040	0.00
Apartments Mid Rise	1,530,330	204	0.0330	0.0040	0.00
Condo/Townhouse	164,388	204	0.0330	0.0040	0.00
Quality Restaurant	1,656,234	204	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	165,623	204	0.0330	0.0040	0.00
Hotel	721,323	204	0.0330	0.0040	0.00
Arena	137,023	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)
Regional Shopping Center	1,518,359	204	0.0330	0.0040	0.00
Parking Lot	1,878,034	204	0.0330	0.0040	0.00
Unenclosed Parking with Elevator	1,530,330	204	0.0330	0.0040	0.00
Apartments Mid Rise	1,532,314	204	0.0330	0.0040	0.00
Condo/Townhouse	166,670	204	0.0330	0.0040	0.00
Quality Restaurant	1,656,234	204	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	165,623	204	0.0330	0.0040	0.00

Hotel	721,323	204	0.0330	0.0040	0.00
Arena	137,023	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)
Regional Shopping Center	11,055,324	0.00
Parking Lot	0.00	8,874,721
Unenclosed Parking with Elevator	0.00	0.00
Apartments Mid Rise	2,555,774	0.00
Condo/Townhouse	416,056	0.00
Quality Restaurant	3,035,337	0.00
Fast Food Restaurant w/o Drive Thru	1,214,135	0.00
Hotel	1,902,508	0.00
Arena	3,876,931	30,183

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	11,055,324	0.00
Parking Lot	0.00	8,874,721
Unenclosed Parking with Elevator	0.00	0.00
Apartments Mid Rise	2,555,774	0.00
Condo/Townhouse	416,056	0.00
Quality Restaurant	3,035,337	0.00
Fast Food Restaurant w/o Drive Thru	1,214,135	0.00
Hotel	1,902,508	0.00
Arena	3,876,931	30,183

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	157	—
Parking Lot	0.00	—
Unenclosed Parking with Elevator	0.00	—
Apartments Mid Rise	63.6	—
Condo/Townhouse	10.3	—
Quality Restaurant	9.13	—
Fast Food Restaurant w/o Drive Thru	46.1	—
Hotel	41.1	—
Arena	0.25	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	157	—
Parking Lot	0.00	—
Unenclosed Parking with Elevator	0.00	—
Apartments Mid Rise	63.6	—
Condo/Townhouse	10.3	—
Quality Restaurant	9.13	—
Fast Food Restaurant w/o Drive Thru	46.1	—
Hotel	41.1	—
Arena	0.25	—

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
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
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
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Arena	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Arena	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Arena	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
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
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Arena	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Arena	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Arena	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	0.00	0.00	96.0	800	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
Boiler - Diesel (0–9999 MMBTU)	Diesel	3.00	24.5	588	214,550

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
Urban	Vertisols	19.6	42.6
Grazing	Alfisols	35.0	11.9
Forest	Alfisols	3.70	3.70

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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Urban	Vertisols	19.6	42.6
Grazing	Alfisols	35.0	11.9
Forest	Alfisols	3.70	3.70

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
Broadleaf Forest	3.76	0.00
Grassland	10.5	0.00
Shrubland	1.59	0.00
Urban	38.6	38.6

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
Broadleaf Forest	3.76	0.00
Grassland	10.5	0.00
Shrubland	1.59	0.00
Urban	38.6	38.6

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
California sycamore	120	0.00	0.00
Red stem dogwood	60.0	0.00	0.00
Ginkgo biloba	20.0	17,098	58.8
Bigleaf maple	20.0	0.00	0.00

Saucer magnolia	40.0	25,436	88.7
Flowering dogwood	10.0	4,022	13.1
Bay laurel	10.0	0.00	0.00
Trident maple	10.0	0.00	0.00
Saucer magnolia	10.0	0.00	0.00
Chaste Tree	10.0	0.00	0.00
Ginkgo biloba	10.0	0.00	0.00
Japanese maple	20.0	0.00	0.00
California redbud	20.0	0.00	0.00
Dogwood spp.	20.0	0.00	0.00
California sycamore	10.0	0.00	0.00
Bigleaf maple	20.0	0.00	0.00

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
California sycamore	120	0.00	0.00
Red stem dogwood	60.0	0.00	0.00
Ginkgo biloba	20.0	17,098	58.8
Bigleaf maple	20.0	0.00	0.00
Saucer magnolia	40.0	25,436	88.7
Flowering dogwood	10.0	4,022	13.1
Bay laurel	10.0	0.00	0.00
Trident maple	10.0	0.00	0.00
Saucer magnolia	10.0	0.00	0.00
Chaste Tree	10.0	0.00	0.00
Ginkgo biloba	10.0	0.00	0.00
Japanese maple	20.0	0.00	0.00
California redbud	20.0	0.00	0.00

Dogwood spp.	20.0	0.00	0.00
California sycamore	10.0	0.00	0.00
Bigleaf maple	20.0	0.00	0.00

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	14.2	annual days of extreme heat
Extreme Precipitation	12.2	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	19.3	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 $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	3	2	2
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	5	3	3	3

Flooding	1	2	4	1
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	3	2	2
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	5	3	5	1
Flooding	1	2	4	1
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

6.4.1. Wildfire

User Selected Measures	Co-Benefits Achieved	Exposure Reduction	Sensitivity Reduction	Adaptive Capacity Increase
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WF-6: Designate and Strengthen Wildfire Emergency Routes	Improved Public Health, Social Equity	—	—	2.00
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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	16.8
AQ-PM	0.19
AQ-DPM	37.4
Drinking Water	64.2
Lead Risk Housing	63.1
Pesticides	43.4
Toxic Releases	0.74
Traffic	20.4
Effect Indicators	—
CleanUp Sites	71.6
Groundwater	59.6
Haz Waste Facilities/Generators	0.00
Impaired Water Bodies	51.2
Solid Waste	80.5
Sensitive Population	—
Asthma	97.4
Cardio-vascular	81.7
Low Birth Weights	90.6
Socioeconomic Factor Indicators	—
Education	63.4

Housing	81.8
Linguistic	4.59
Poverty	98.0
Unemployment	99.4

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	3.002694726
Employed	1.591171564
Median HI	1.475683306
Education	—
Bachelor's or higher	11.36917747
High school enrollment	100
Preschool enrollment	49.7754395
Transportation	—
Auto Access	7.878865649
Active commuting	29.50083408
Social	—
2-parent households	1.745155909
Voting	16.57898114
Neighborhood	—
Alcohol availability	64.31412806
Park access	81.35506224
Retail density	25.43308097
Supermarket access	42.69215963
Tree canopy	89.76004106

Housing	—
Homeownership	41.48594893
Housing habitability	19.17105094
Low-inc homeowner severe housing cost burden	3.592968048
Low-inc renter severe housing cost burden	46.90106506
Uncrowded housing	44.45014757
Health Outcomes	—
Insured adults	33.59425125
Arthritis	0.0
Asthma ER Admissions	4.7
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	0.8
Cognitively Disabled	2.2
Physically Disabled	1.7
Heart Attack ER Admissions	47.9
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
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	0.2
SLR Inundation Area	0.0
Children	19.9
Elderly	38.5
English Speaking	52.3
Foreign-born	30.0
Outdoor Workers	1.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	88.8
Traffic Density	6.6
Traffic Access	0.0
Other Indices	—
Hardship	89.1
Other Decision Support	—
2016 Voting	13.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	73.0
Healthy Places Index Score for Project Location (b)	4.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	User defined structured parking - building SF modified to reflect actual total bldg SF (partially underground) User defined apartment mid-rise - modified to reflect actual lot acreage and bldg SF User defined condo/townhouse - modified to reflect actual lot acreage and bldg SF User defined hotel - modified to reflect actual lot acreage and bldg SF, and includes conference bldg Open space area assumed as a city park for worst-case scenario. Pedestrian overpass at 20 ft width in acreage assumption. Parking Lot land use category includes all all landscaped areas, storm water detention basins, and xeriscaped areas in "open space"
Construction: Construction Phases	Input timeline for linear construction. No defaults.
Construction: Off-Road Equipment	Modified number of equipment pieces per City Engineer.
Construction: Architectural Coatings	Added missing phases that will have VOC emissions, defaults used: architectural coating, paving, and building construction.
Construction: Paving	Modified parking acreage to remove landscaping.
Operations: Road Dust	All roads will be paved. Changed default of 74.5% to 100%. Changed mean vehicle speed to 35 due to traffic calming measures through area.
Construction: Dust From Material Movement	Manually entered imported and exported material per City Engineer.
Operations: Hearths	Reduced # wood stoves to 0 and assumed electric fireplaces for all residences as that will be an included mitigation measure.
Construction: Trips and VMT	Included one vendor round trip and one worker round trip per day for miscellaneous construction needs, inspections, monitoring, etc.

Operations: Energy Use

Removed natural gas use as PG&E does not provide natural gas to the City of Clearlake. Natural gas defaults were converted from kBTU/year to kWh/year and added to default electrical energy usage. Separate side calculations were conducted using a conversion factor of 1kWh/year = 3.412 kBTU/year.

Characteristics: Project Details

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