

# Appendix A

## Air Quality/GHG Data

# Fountain Valley - 16800 Magnolia Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	Fountain Valley - 16800 Magnolia
Construction Start Date	1/1/2026
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	19.2
Location	Fountain Valley, CA 92708, USA
County	Orange
City	Fountain Valley
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5849
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

## 1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	657	Dwelling Unit	6.77	630,720	0.00	0.00	1,958	—

Strip Mall	4.46	1000sqft	0.10	4,460	0.00	0.00	—	—
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### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Transportation	T-10	Provide End-of-Trip Bicycle Facilities
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Energy	E-2	Require Energy Efficient Appliances
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Water	W-4	Require Low-Flow Water Fixtures
Water	W-5	Design Water-Efficient Landscapes

\* 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.	29.8	28.5	44.6	85.5	0.10	1.70	21.6	23.3	1.56	8.62	10.2	—	23,875	23,875	0.59	1.18	56.7	24,297
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	28.4	27.4	58.8	108	0.14	2.09	28.4	30.5	1.93	10.2	12.2	—	28,104	28,104	0.89	1.31	1.49	28,517
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.97	9.15	32.7	56.7	0.07	1.20	15.7	16.9	1.11	6.01	7.12	—	15,615	15,615	0.46	0.80	15.9	15,879

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.82	1.67	5.97	10.3	0.01	0.22	2.86	3.08	0.20	1.10	1.30	—	2,585	2,585	0.08	0.13	2.64	2,629

### 2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	7.20	6.12	44.6	76.0	0.10	1.70	21.6	23.3	1.56	8.62	10.2	—	17,916	17,916	0.59	0.75	30.2	18,183
2027	29.8	28.5	27.4	85.5	0.08	0.72	16.1	16.8	0.67	3.82	4.49	—	23,875	23,875	0.57	1.18	56.7	24,297
2028	28.5	27.4	25.3	73.3	0.08	0.65	13.6	14.3	0.60	3.24	3.84	—	21,128	21,128	0.54	0.70	43.8	21,394
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	7.76	6.47	48.5	74.9	0.10	1.90	21.6	23.5	1.75	8.62	10.4	—	17,771	17,771	0.62	0.75	0.86	18,012
2026	10.3	8.84	58.8	108	0.14	2.09	28.4	30.5	1.93	10.2	12.2	—	28,104	28,104	0.89	1.31	1.49	28,517
2027	6.89	5.62	33.2	79.0	0.09	1.00	13.8	14.8	0.93	3.29	4.21	—	22,422	22,422	0.62	1.10	1.29	22,768
2028	28.4	27.4	25.9	67.2	0.08	0.65	13.6	14.3	0.60	3.24	3.84	—	20,555	20,555	0.57	1.09	1.14	20,894
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.76	0.63	5.15	6.86	0.01	0.21	1.75	1.96	0.19	0.73	0.92	—	1,492	1,492	0.05	0.05	0.93	1,510
2026	5.44	4.65	32.7	56.7	0.07	1.20	15.7	16.9	1.11	6.01	7.12	—	14,107	14,107	0.46	0.62	11.4	14,315
2027	9.97	9.15	19.8	53.0	0.06	0.53	10.2	10.7	0.49	2.43	2.91	—	15,615	15,615	0.41	0.80	15.9	15,879
2028	8.05	7.57	11.4	30.6	0.04	0.29	6.03	6.32	0.27	1.43	1.70	—	9,253	9,253	0.25	0.49	8.49	9,413
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.14	0.12	0.94	1.25	< 0.005	0.04	0.32	0.36	0.04	0.13	0.17	—	247	247	0.01	0.01	0.15	250
2026	0.99	0.85	5.97	10.3	0.01	0.22	2.86	3.08	0.20	1.10	1.30	—	2,335	2,335	0.08	0.10	1.88	2,370
2027	1.82	1.67	3.62	9.68	0.01	0.10	1.86	1.96	0.09	0.44	0.53	—	2,585	2,585	0.07	0.13	2.64	2,629

2028	1.47	1.38	2.09	5.59	0.01	0.05	1.10	1.15	0.05	0.26	0.31	—	1,532	1,532	0.04	0.08	1.41	1,558
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### 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	7.20	6.12	44.6	76.0	0.10	1.70	21.6	23.3	1.56	8.62	10.2	—	17,916	17,916	0.59	0.75	30.2	18,183
2027	29.8	28.5	27.4	85.5	0.08	0.72	16.1	16.8	0.67	3.82	4.49	—	23,875	23,875	0.57	1.18	56.7	24,297
2028	28.5	27.4	25.3	73.3	0.08	0.65	13.6	14.3	0.60	3.24	3.84	—	21,128	21,128	0.54	0.70	43.8	21,394
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	7.76	6.47	48.5	74.9	0.10	1.90	21.6	23.5	1.75	8.62	10.4	—	17,771	17,771	0.62	0.75	0.86	18,012
2026	10.3	8.84	58.8	108	0.14	2.09	28.4	30.5	1.93	10.2	12.2	—	28,104	28,104	0.89	1.31	1.49	28,517
2027	6.89	5.62	33.2	79.0	0.09	1.00	13.8	14.8	0.93	3.29	4.21	—	22,422	22,422	0.62	1.10	1.29	22,768
2028	28.4	27.4	25.9	67.2	0.08	0.65	13.6	14.3	0.60	3.24	3.84	—	20,555	20,555	0.57	1.09	1.14	20,894
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.76	0.63	5.15	6.86	0.01	0.21	1.75	1.96	0.19	0.73	0.92	—	1,492	1,492	0.05	0.05	0.93	1,510
2026	5.44	4.65	32.7	56.7	0.07	1.20	15.7	16.9	1.11	6.01	7.12	—	14,107	14,107	0.46	0.62	11.4	14,315
2027	9.97	9.15	19.8	53.0	0.06	0.53	10.2	10.7	0.49	2.43	2.91	—	15,615	15,615	0.41	0.80	15.9	15,879
2028	8.05	7.57	11.4	30.6	0.04	0.29	6.03	6.32	0.27	1.43	1.70	—	9,253	9,253	0.25	0.49	8.49	9,413
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.14	0.12	0.94	1.25	< 0.005	0.04	0.32	0.36	0.04	0.13	0.17	—	247	247	0.01	0.01	0.15	250
2026	0.99	0.85	5.97	10.3	0.01	0.22	2.86	3.08	0.20	1.10	1.30	—	2,335	2,335	0.08	0.10	1.88	2,370
2027	1.82	1.67	3.62	9.68	0.01	0.10	1.86	1.96	0.09	0.44	0.53	—	2,585	2,585	0.07	0.13	2.64	2,629
2028	1.47	1.38	2.09	5.59	0.01	0.05	1.10	1.15	0.05	0.26	0.31	—	1,532	1,532	0.04	0.08	1.41	1,558

### 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.	28.0	26.9	8.05	109	0.20	0.27	19.1	19.4	0.26	4.85	5.11	312	24,479	24,791	32.6	0.90	53.7	25,928
Mit.	28.0	26.9	8.05	109	0.20	0.27	19.1	19.4	0.26	4.85	5.11	295	23,323	23,618	30.8	0.84	53.7	24,692
% Reduced	—	—	—	< 0.5%	—	—	< 0.5%	< 0.5%	—	—	—	5%	5%	5%	6%	6%	< 0.5%	5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	24.5	23.6	8.20	67.0	0.20	0.25	19.1	19.4	0.25	4.85	5.10	312	23,634	23,946	32.7	0.93	5.82	25,045
Mit.	24.5	23.6	8.19	67.0	0.20	0.25	19.1	19.4	0.25	4.85	5.10	295	22,477	22,773	30.8	0.87	5.82	23,809
% Reduced	—	—	—	< 0.5%	—	—	< 0.5%	< 0.5%	—	—	—	5%	5%	5%	6%	6%	—	5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	26.8	25.8	8.49	94.2	0.20	0.27	18.9	19.2	0.26	4.80	5.05	312	23,903	24,216	32.7	0.93	25.8	25,336
Mit.	26.8	25.8	8.49	94.2	0.20	0.27	18.9	19.2	0.26	4.79	5.05	295	22,747	23,042	30.8	0.88	25.8	24,100
% Reduced	—	—	—	< 0.5%	—	—	< 0.5%	< 0.5%	—	—	—	5%	5%	5%	6%	6%	< 0.5%	5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.90	4.70	1.55	17.2	0.04	0.05	3.45	3.50	0.05	0.88	0.92	51.7	3,957	4,009	5.41	0.15	4.27	4,195
Mit.	4.90	4.70	1.55	17.2	0.04	0.05	3.45	3.50	0.05	0.88	0.92	48.9	3,766	3,815	5.10	0.15	4.27	3,990
% Reduced	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	5%	5%	5%	6%	6%	< 0.5%	5%

## 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	9.68	8.87	5.84	70.9	0.19	0.11	19.1	19.2	0.10	4.85	4.95	—	19,544	19,544	0.85	0.75	49.1	19,837
Area	18.1	18.0	0.35	37.6	< 0.005	0.02	—	0.02	0.01	—	0.01	—	100	100	< 0.005	< 0.005	—	101
Energy	0.22	0.11	1.85	0.79	0.01	0.15	—	0.15	0.15	—	0.15	—	4,673	4,673	0.43	0.03	—	4,693
Water	—	—	—	—	—	—	—	—	—	—	—	47.9	161	209	4.92	0.12	—	368
Waste	—	—	—	—	—	—	—	—	—	—	—	264	0.00	264	26.4	0.00	—	925
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.54	4.54
Total	28.0	26.9	8.05	109	0.20	0.27	19.1	19.4	0.26	4.85	5.11	312	24,479	24,791	32.6	0.90	53.7	25,928
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.63	8.80	6.35	66.2	0.18	0.11	19.1	19.2	0.10	4.85	4.95	—	18,799	18,799	0.88	0.78	1.27	19,055
Area	14.7	14.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.22	0.11	1.85	0.79	0.01	0.15	—	0.15	0.15	—	0.15	—	4,673	4,673	0.43	0.03	—	4,693
Water	—	—	—	—	—	—	—	—	—	—	—	47.9	161	209	4.92	0.12	—	368
Waste	—	—	—	—	—	—	—	—	—	—	—	264	0.00	264	26.4	0.00	—	925
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.54	4.54
Total	24.5	23.6	8.20	67.0	0.20	0.25	19.1	19.4	0.25	4.85	5.10	312	23,634	23,946	32.7	0.93	5.82	25,045
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.56	8.73	6.40	67.7	0.19	0.11	18.9	19.0	0.10	4.80	4.89	—	19,000	19,000	0.88	0.78	21.2	19,276
Area	17.0	16.9	0.24	25.7	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.8	68.8	< 0.005	< 0.005	—	69.0
Energy	0.22	0.11	1.85	0.79	0.01	0.15	—	0.15	0.15	—	0.15	—	4,673	4,673	0.43	0.03	—	4,693
Water	—	—	—	—	—	—	—	—	—	—	—	47.9	161	209	4.92	0.12	—	368
Waste	—	—	—	—	—	—	—	—	—	—	—	264	0.00	264	26.4	0.00	—	925

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.54	4.54
Total	26.8	25.8	8.49	94.2	0.20	0.27	18.9	19.2	0.26	4.80	5.05	312	23,903	24,216	32.7	0.93	25.8	25,336	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.74	1.59	1.17	12.4	0.03	0.02	3.45	3.47	0.02	0.88	0.89	—	3,146	3,146	0.15	0.13	3.51	3,191	
Area	3.11	3.09	0.04	4.70	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	—	11.4	
Energy	0.04	0.02	0.34	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	774	774	0.07	0.01	—	777	
Water	—	—	—	—	—	—	—	—	—	—	—	7.93	26.7	34.6	0.82	0.02	—	60.9	
Waste	—	—	—	—	—	—	—	—	—	—	—	43.8	0.00	43.8	4.37	0.00	—	153	
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	0.75	
Total	4.90	4.70	1.55	17.2	0.04	0.05	3.45	3.50	0.05	0.88	0.92	51.7	3,957	4,009	5.41	0.15	4.27	4,195	

## 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	9.68	8.86	5.84	70.9	0.19	0.11	19.1	19.2	0.10	4.85	4.95	—	19,542	19,542	0.85	0.75	49.1	19,835
Area	18.1	18.0	0.35	37.6	< 0.005	0.02	—	0.02	0.01	—	0.01	—	100	100	< 0.005	< 0.005	—	101
Energy	0.22	0.11	1.85	0.79	0.01	0.15	—	0.15	0.15	—	0.15	—	3,576	3,576	0.32	0.02	—	3,590
Water	—	—	—	—	—	—	—	—	—	—	—	30.9	104	135	3.18	0.08	—	237
Waste	—	—	—	—	—	—	—	—	—	—	—	264	0.00	264	26.4	0.00	—	925
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.54	4.54
Total	28.0	26.9	8.05	109	0.20	0.27	19.1	19.4	0.26	4.85	5.11	295	23,323	23,618	30.8	0.84	53.7	24,692
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.63	8.80	6.35	66.2	0.18	0.11	19.1	19.2	0.10	4.85	4.95	—	18,797	18,797	0.88	0.78	1.27	19,053
Area	14.7	14.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Energy	0.22	0.11	1.85	0.79	0.01	0.15	—	0.15	0.15	—	0.15	—	3,576	3,576	0.32	0.02	—	3,590
Water	—	—	—	—	—	—	—	—	—	—	—	30.9	104	135	3.18	0.08	—	237
Waste	—	—	—	—	—	—	—	—	—	—	—	264	0.00	264	26.4	0.00	—	925
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.54	4.54
Total	24.5	23.6	8.19	67.0	0.20	0.25	19.1	19.4	0.25	4.85	5.10	295	22,477	22,773	30.8	0.87	5.82	23,809
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.56	8.73	6.40	67.7	0.19	0.11	18.9	19.0	0.10	4.79	4.89	—	18,998	18,998	0.88	0.78	21.2	19,274
Area	17.0	16.9	0.24	25.7	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.8	68.8	< 0.005	< 0.005	—	69.0
Energy	0.22	0.11	1.85	0.79	0.01	0.15	—	0.15	0.15	—	0.15	—	3,576	3,576	0.32	0.02	—	3,590
Water	—	—	—	—	—	—	—	—	—	—	—	30.9	104	135	3.18	0.08	—	237
Waste	—	—	—	—	—	—	—	—	—	—	—	264	0.00	264	26.4	0.00	—	925
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.54	4.54
Total	26.8	25.8	8.49	94.2	0.20	0.27	18.9	19.2	0.26	4.79	5.05	295	22,747	23,042	30.8	0.88	25.8	24,100
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.74	1.59	1.17	12.4	0.03	0.02	3.45	3.47	0.02	0.88	0.89	—	3,145	3,145	0.15	0.13	3.51	3,191
Area	3.11	3.09	0.04	4.70	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	—	11.4
Energy	0.04	0.02	0.34	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	592	592	0.05	< 0.005	—	594
Water	—	—	—	—	—	—	—	—	—	—	—	5.12	17.2	22.4	0.53	0.01	—	39.3
Waste	—	—	—	—	—	—	—	—	—	—	—	43.8	0.00	43.8	4.37	0.00	—	153
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	0.75
Total	4.90	4.70	1.55	17.2	0.04	0.05	3.45	3.50	0.05	0.88	0.92	48.9	3,766	3,815	5.10	0.15	4.27	3,990

### 3. Construction Emissions Details

#### 3.1. Demolition - Phase 1 (2025) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.61	0.55	< 0.005	0.03	—	0.03	0.02	—	0.02	—	93.8	93.8	< 0.005	< 0.005	—	94.2
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.9	20.9	< 0.005	< 0.005	< 0.005	22.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.26	5.26	< 0.005	< 0.005	0.01	5.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	< 0.005	0.60
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.87	0.87	< 0.005	< 0.005	< 0.005	0.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.10

### 3.2. Demolition - Phase 1 (2025) - Mitigated

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

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

Off-Road Equipment	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.61	0.55	< 0.005	0.03	—	0.03	0.02	—	0.02	—	93.8	93.8	< 0.005	< 0.005	—	94.2
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.9	20.9	< 0.005	< 0.005	< 0.005	22.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.26	5.26	< 0.005	< 0.005	0.01	5.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	< 0.005	0.60
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.87	0.87	< 0.005	< 0.005	< 0.005	0.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.10

### 3.3. Demolition - Phase 2 (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.08	0.07	0.61	0.55	< 0.005	0.03	—	0.03	0.02	—	0.02	—	93.8	93.8	< 0.005	< 0.005	—	94.2
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.9	20.9	< 0.005	< 0.005	< 0.005	22.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.26	5.26	< 0.005	< 0.005	0.01	5.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	< 0.005	0.60
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.87	0.87	< 0.005	< 0.005	< 0.005	0.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.10
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### 3.4. Demolition - Phase 2 (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.61	0.55	< 0.005	0.03	—	0.03	0.02	—	0.02	—	93.8	93.8	< 0.005	< 0.005	—	94.2
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6

Demoliti	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.9	20.9	< 0.005	< 0.005	< 0.005	22.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.26	5.26	< 0.005	< 0.005	0.01	5.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	< 0.005	0.60
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.87	0.87	< 0.005	< 0.005	< 0.005	0.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.10

### 3.5. Grading - Phase 1 (2025) - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.09	7.09	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.46	1.61	< 0.005	0.06	—	0.06	0.06	—	0.06	—	266	266	0.01	< 0.005	—	267
Dust From Material Movement	—	—	—	—	—	—	0.64	0.64	—	0.31	0.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.1	44.1	< 0.005	< 0.005	—	44.3
Dust From Material Movement	—	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.03	0.44	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	819	819	0.07	0.13	0.04	860
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.03	17.5
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	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73.7	73.7	0.01	0.01	0.07	77.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.86	2.86	< 0.005	< 0.005	< 0.005	2.90
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.2	12.2	< 0.005	< 0.005	0.01	12.8

3.6. Grading - Phase 1 (2025) - Mitigated

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

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

Off-Road Equipment	2.07	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.09	7.09	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.46	1.61	< 0.005	0.06	—	0.06	0.06	—	0.06	—	266	266	0.01	< 0.005	—	267
Dust From Material Movement	—	—	—	—	—	—	0.64	0.64	—	0.31	0.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.1	44.1	< 0.005	< 0.005	—	44.3
Dust From Material Movement	—	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.03	0.44	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	819	819	0.07	0.13	0.04	860
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.03	17.5
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	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73.7	73.7	0.01	0.01	0.07	77.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.86	2.86	< 0.005	< 0.005	< 0.005	2.90
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.2	12.2	< 0.005	< 0.005	0.01	12.8

### 3.7. Grading - Phase 1 (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	1.65	15.0	17.4	0.03	0.65	—	0.65	0.59	—	0.59	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.09	7.09	—	3.43	3.43	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	1.65	15.0	17.4	0.03	0.65	—	0.65	0.59	—	0.59	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.09	7.09	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.08	9.78	11.4	0.02	0.42	—	0.42	0.39	—	0.39	—	1,934	1,934	0.08	0.02	—	1,941
Dust From Material Movement	—	—	—	—	—	—	4.63	4.63	—	2.24	2.24	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.20	1.79	2.08	< 0.005	0.08	—	0.08	0.07	—	0.07	—	320	320	0.01	< 0.005	—	321
Dust From Material Movement	—	—	—	—	—	—	0.85	0.85	—	0.41	0.41	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.79	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	< 0.005	0.01	0.68	198
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.01	0.96	0.42	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	804	804	0.06	0.13	1.63	845
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.01	0.99	0.43	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	805	805	0.06	0.13	0.04	844
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.46	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	123	123	< 0.005	< 0.005	0.19	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.66	0.28	< 0.005	0.01	0.14	0.14	0.01	0.04	0.05	—	526	526	0.04	0.08	0.46	552
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.4	20.4	< 0.005	< 0.005	0.03	20.7
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	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	87.1	87.1	0.01	0.01	0.08	91.4

### 3.8. Grading - Phase 1 (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	1.96	1.65	15.0	17.4	0.03	0.65	—	0.65	0.59	—	0.59	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.09	7.09	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	1.65	15.0	17.4	0.03	0.65	—	0.65	0.59	—	0.59	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.09	7.09	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.08	9.78	11.4	0.02	0.42	—	0.42	0.39	—	0.39	—	1,934	1,934	0.08	0.02	—	1,941
Dust From Material Movement	—	—	—	—	—	—	4.63	4.63	—	2.24	2.24	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.20	1.79	2.08	< 0.005	0.08	—	0.08	0.07	—	0.07	—	320	320	0.01	< 0.005	—	321

Dust From Material Movement	—	—	—	—	—	—	0.85	0.85	—	0.41	0.41	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.79	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	< 0.005	0.01	0.68	198
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.01	0.96	0.42	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	804	804	0.06	0.13	1.63	845
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.01	0.99	0.43	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	805	805	0.06	0.13	0.04	844
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.46	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	123	123	< 0.005	< 0.005	0.19	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.66	0.28	< 0.005	0.01	0.14	0.14	0.01	0.04	0.05	—	526	526	0.04	0.08	0.46	552
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.4	20.4	< 0.005	< 0.005	0.03	20.7
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	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	87.1	87.1	0.01	0.01	0.08	91.4

3.9. Grading - Phase 2 (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.46	1.61	< 0.005	0.06	—	0.06	0.06	—	0.06	—	266	266	0.01	< 0.005	—	267
Dust From Material Movement	—	—	—	—	—	—	0.64	0.64	—	0.31	0.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.1	44.1	< 0.005	< 0.005	—	44.3

Dust From Material Movement	—	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.03	17.5
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.86	2.86	< 0.005	< 0.005	< 0.005	2.90
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Grading - Phase 2 (2025) - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.46	1.61	< 0.005	0.06	—	0.06	0.06	—	0.06	—	266	266	0.01	< 0.005	—	267
Dust From Material Movement	—	—	—	—	—	—	0.64	0.64	—	0.31	0.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.1	44.1	< 0.005	< 0.005	—	44.3
Dust From Material Movement	—	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	0.02	192	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.03	17.5	
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	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.86	2.86	< 0.005	< 0.005	< 0.005	2.90	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

3.11. Grading - Phase 2 (2026) - Unmitigated

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

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

Off-Road Equipment	1.96	1.65	15.0	17.4	0.03	0.65	—	0.65	0.59	—	0.59	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	1.65	15.0	17.4	0.03	0.65	—	0.65	0.59	—	0.59	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.08	9.78	11.4	0.02	0.42	—	0.42	0.39	—	0.39	—	1,934	1,934	0.08	0.02	—	1,941
Dust From Material Movement	—	—	—	—	—	—	4.63	4.63	—	2.24	2.24	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.23	0.20	1.79	2.08	< 0.005	0.08	—	0.08	0.07	—	0.07	—	320	320	0.01	< 0.005	—	321
Dust From Material Movement	—	—	—	—	—	—	0.84	0.84	—	0.41	0.41	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.79	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	< 0.005	0.01	0.68	198
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.46	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	123	123	< 0.005	< 0.005	0.19	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.00	0.01	0.01	—	20.4	20.4	< 0.005	< 0.005	0.03	20.7
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

3.12. Grading - Phase 2 (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	1.65	15.0	17.4	0.03	0.65	—	0.65	0.59	—	0.59	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	1.65	15.0	17.4	0.03	0.65	—	0.65	0.59	—	0.59	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.08	9.78	11.4	0.02	0.42	—	0.42	0.39	—	0.39	—	1,934	1,934	0.08	0.02	—	1,941

Dust From Material Movement	—	—	—	—	—	—	4.63	4.63	—	2.24	2.24	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.20	1.79	2.08	< 0.005	0.08	—	0.08	0.07	—	0.07	—	320	320	0.01	< 0.005	—	321
Dust From Material Movement	—	—	—	—	—	—	0.84	0.84	—	0.41	0.41	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.79	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	< 0.005	0.01	0.68	198
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.46	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	123	123	< 0.005	< 0.005	0.19	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.00	0.01	0.01	—	20.4	20.4	< 0.005	< 0.005	0.03	20.7
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

3.13. Building Construction - Phase 1 (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.63	0.79	< 0.005	0.03	—	0.03	0.02	—	0.02	—	145	145	0.01	< 0.005	—	146
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.12	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.1	24.1	< 0.005	< 0.005	—	24.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.90	1.67	1.87	23.0	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,994	5,994	0.08	0.22	0.62	6,063
Vendor	0.17	0.06	2.44	1.20	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,264	2,264	0.13	0.31	0.16	2,360
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.11	1.46	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	369	369	0.01	0.01	0.62	373
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.16	143
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.02	0.27	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	61.0	61.0	< 0.005	< 0.005	0.10	61.8
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.7	22.7	< 0.005	< 0.005	0.03	23.7
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

### 3.14. Building Construction - Phase 1 (2025) - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.63	0.79	< 0.005	0.03	—	0.03	0.02	—	0.02	—	145	145	0.01	< 0.005	—	146
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.12	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.1	24.1	< 0.005	< 0.005	—	24.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.90	1.67	1.87	23.0	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,994	5,994	0.08	0.22	0.62	6,063
Vendor	0.17	0.06	2.44	1.20	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,264	2,264	0.13	0.31	0.16	2,360

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.11	1.46	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	369	369	0.01	0.01	0.62	373	
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.16	143	
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.02	0.27	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	61.0	61.0	< 0.005	< 0.005	0.10	61.8	
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.7	22.7	< 0.005	< 0.005	0.03	23.7	
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	

### 3.15. Building Construction - Phase 1 (2026) - Unmitigated

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

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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.77	7.04	9.26	0.02	0.27	—	0.27	0.25	—	0.25	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.28	1.69	< 0.005	0.05	—	0.05	0.05	—	0.05	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.64	1.60	1.44	25.0	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	6,178	6,178	0.07	0.22	21.5	6,269
Vendor	0.17	0.05	2.27	1.13	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,226	2,226	0.11	0.31	5.75	2,328
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.63	1.60	1.66	21.6	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,880	5,880	0.08	0.22	0.56	5,950
Vendor	0.17	0.04	2.36	1.16	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,227	2,227	0.11	0.31	0.15	2,323
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.17	1.14	1.18	16.0	0.00	0.00	4.38	4.38	0.00	1.02	1.02	—	4,257	4,257	0.06	0.16	6.62	4,313
Vendor	0.12	0.03	1.70	0.82	0.01	0.01	0.43	0.44	0.01	0.12	0.13	—	1,590	1,590	0.08	0.22	1.78	1,661
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.21	0.21	0.22	2.92	0.00	0.00	0.80	0.80	0.00	0.19	0.19	—	705	705	0.01	0.03	1.10	714
Vendor	0.02	0.01	0.31	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	263	263	0.01	0.04	0.29	275
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction - Phase 1 (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.77	7.04	9.26	0.02	0.27	—	0.27	0.25	—	0.25	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.28	1.69	< 0.005	0.05	—	0.05	0.05	—	0.05	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.64	1.60	1.44	25.0	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	6,178	6,178	0.07	0.22	21.5	6,269
Vendor	0.17	0.05	2.27	1.13	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,226	2,226	0.11	0.31	5.75	2,328
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.63	1.60	1.66	21.6	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,880	5,880	0.08	0.22	0.56	5,950
Vendor	0.17	0.04	2.36	1.16	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,227	2,227	0.11	0.31	0.15	2,323
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.17	1.14	1.18	16.0	0.00	0.00	4.38	4.38	0.00	1.02	1.02	—	4,257	4,257	0.06	0.16	6.62	4,313
Vendor	0.12	0.03	1.70	0.82	0.01	0.01	0.43	0.44	0.01	0.12	0.13	—	1,590	1,590	0.08	0.22	1.78	1,661
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.21	0.22	2.92	0.00	0.00	0.80	0.80	0.00	0.19	0.19	—	705	705	0.01	0.03	1.10	714
Vendor	0.02	0.01	0.31	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	263	263	0.01	0.04	0.29	275
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction - Phase 1 (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.71	9.24	0.02	0.24	—	0.24	0.22	—	0.22	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.69	< 0.005	0.04	—	0.04	0.04	—	0.04	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.58	1.35	1.42	23.5	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	6,074	6,074	0.06	0.22	19.3	6,162
Vendor	0.17	0.05	2.18	1.08	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,185	2,185	0.11	0.30	5.23	2,281
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.58	1.34	1.45	20.2	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,781	5,781	0.07	0.22	0.50	5,850
Vendor	0.17	0.04	2.27	1.11	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,186	2,186	0.11	0.30	0.14	2,277
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.12	0.96	1.17	15.0	0.00	0.00	4.38	4.38	0.00	1.02	1.02	—	4,186	4,186	0.05	0.16	5.95	4,241
Vendor	0.12	0.03	1.63	0.78	0.01	0.01	0.43	0.44	0.01	0.12	0.13	—	1,561	1,561	0.08	0.21	1.61	1,628
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.21	2.74	0.00	0.00	0.80	0.80	0.00	0.19	0.19	—	693	693	0.01	0.03	0.99	702
Vendor	0.02	0.01	0.30	0.14	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.27	270
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction - Phase 1 (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	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.71	9.24	0.02	0.24	—	0.24	0.22	—	0.22	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.69	< 0.005	0.04	—	0.04	0.04	—	0.04	—	283	283	0.01	< 0.005	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.58	1.35	1.42	23.5	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	6,074	6,074	0.06	0.22	19.3	6,162
Vendor	0.17	0.05	2.18	1.08	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,185	2,185	0.11	0.30	5.23	2,281
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.58	1.34	1.45	20.2	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,781	5,781	0.07	0.22	0.50	5,850
Vendor	0.17	0.04	2.27	1.11	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,186	2,186	0.11	0.30	0.14	2,277
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.12	0.96	1.17	15.0	0.00	0.00	4.38	4.38	0.00	1.02	1.02	—	4,186	4,186	0.05	0.16	5.95	4,241
Vendor	0.12	0.03	1.63	0.78	0.01	0.01	0.43	0.44	0.01	0.12	0.13	—	1,561	1,561	0.08	0.21	1.61	1,628
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.21	2.74	0.00	0.00	0.80	0.80	0.00	0.19	0.19	—	693	693	0.01	0.03	0.99	702
Vendor	0.02	0.01	0.30	0.14	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.27	270
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction - Phase 1 (2028) - Unmitigated

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

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

Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.24	2.13	3.09	0.01	0.07	—	0.07	0.07	—	0.07	—	572	572	0.02	< 0.005	—	574
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.39	0.56	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.8	94.8	< 0.005	< 0.005	—	95.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.54	1.31	1.22	22.1	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,966	5,966	0.06	0.03	17.2	5,994
Vendor	0.16	0.04	2.09	1.05	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,134	2,134	0.11	0.30	4.70	2,230
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.53	1.30	1.43	19.0	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,678	5,678	0.07	0.22	0.45	5,748
Vendor	0.15	0.04	2.18	1.07	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,135	2,135	0.11	0.30	0.12	2,227
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.37	0.31	0.34	4.74	0.00	0.00	1.46	1.46	0.00	0.34	0.34	—	1,374	1,374	0.02	0.05	1.78	1,392
Vendor	0.04	0.01	0.52	0.25	< 0.005	< 0.005	0.14	0.15	< 0.005	0.04	0.04	—	510	510	0.03	0.07	0.48	532
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.87	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	228	228	< 0.005	0.01	0.29	231
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	84.4	84.4	< 0.005	0.01	0.08	88.1
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

### 3.20. Building Construction - Phase 1 (2028) - Mitigated

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

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

Off-Road	0.28	0.24	2.13	3.09	0.01	0.07	—	0.07	0.07	—	0.07	—	572	572	0.02	< 0.005	—	574
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.39	0.56	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.8	94.8	< 0.005	< 0.005	—	95.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.54	1.31	1.22	22.1	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,966	5,966	0.06	0.03	17.2	5,994
Vendor	0.16	0.04	2.09	1.05	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,134	2,134	0.11	0.30	4.70	2,230
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.53	1.30	1.43	19.0	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,678	5,678	0.07	0.22	0.45	5,748
Vendor	0.15	0.04	2.18	1.07	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,135	2,135	0.11	0.30	0.12	2,227
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.37	0.31	0.34	4.74	0.00	0.00	1.46	1.46	0.00	0.34	0.34	—	1,374	1,374	0.02	0.05	1.78	1,392
Vendor	0.04	0.01	0.52	0.25	< 0.005	< 0.005	0.14	0.15	< 0.005	0.04	0.04	—	510	510	0.03	0.07	0.48	532
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.87	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	228	228	< 0.005	0.01	0.29	231
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	84.4	84.4	< 0.005	0.01	0.08	88.1

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
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### 3.21. Building Construction - Phase 2 (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.19	1.77	2.33	< 0.005	0.07	—	0.07	0.06	—	0.06	—	432	432	0.02	< 0.005	—	433
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.32	0.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	71.5	71.5	< 0.005	< 0.005	—	71.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63	1.60	1.66	21.6	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,880	5,880	0.08	0.22	0.56	5,950
Vendor	0.17	0.04	2.36	1.16	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,227	2,227	0.11	0.31	0.15	2,323
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.29	0.29	0.30	4.04	0.00	0.00	1.10	1.10	0.00	0.26	0.26	—	1,073	1,073	0.02	0.04	1.67	1,087
Vendor	0.03	0.01	0.43	0.21	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	401	401	0.02	0.06	0.45	419
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.05	0.74	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	178	178	< 0.005	0.01	0.28	180
Vendor	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.4	66.4	< 0.005	0.01	0.07	69.3
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

3.22. Building Construction - Phase 2 (2026) - Mitigated

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

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

Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.19	1.77	2.33	< 0.005	0.07	—	0.07	0.06	—	0.06	—	432	432	0.02	< 0.005	—	433
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.32	0.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	71.5	71.5	< 0.005	< 0.005	—	71.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63	1.60	1.66	21.6	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,880	5,880	0.08	0.22	0.56	5,950
Vendor	0.17	0.04	2.36	1.16	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,227	2,227	0.11	0.31	0.15	2,323
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.29	0.29	0.30	4.04	0.00	0.00	1.10	1.10	0.00	0.26	0.26	—	1,073	1,073	0.02	0.04	1.67	1,087
Vendor	0.03	0.01	0.43	0.21	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	401	401	0.02	0.06	0.45	419

Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.05	0.74	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	178	178	< 0.005	0.01	0.28	180
Vendor	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.4	66.4	< 0.005	0.01	0.07	69.3
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

### 3.23. Building Construction - Phase 2 (2027) - Unmitigated

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

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

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.69	< 0.005	0.04	—	0.04	0.04	—	0.04	—	283	283	0.01	< 0.005	—	284	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.58	1.35	1.42	23.5	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	6,074	6,074	0.06	0.22	19.3	6,162	
Vendor	0.17	0.05	2.18	1.08	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,185	2,185	0.11	0.30	5.23	2,281	
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.58	1.34	1.45	20.2	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,781	5,781	0.07	0.22	0.50	5,850	
Vendor	0.17	0.04	2.27	1.11	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,186	2,186	0.11	0.30	0.14	2,277	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	1.12	0.96	1.17	15.0	0.00	0.00	4.38	4.38	0.00	1.02	1.02	—	4,186	4,186	0.05	0.16	5.95	4,241	
Vendor	0.12	0.03	1.63	0.78	0.01	0.01	0.43	0.44	0.01	0.12	0.13	—	1,561	1,561	0.08	0.21	1.61	1,628	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.20	0.18	0.21	2.74	0.00	0.00	0.80	0.80	0.00	0.19	0.19	—	693	693	0.01	0.03	0.99	702	
Vendor	0.02	0.01	0.30	0.14	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.27	270	
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction - Phase 2 (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.71	9.24	0.02	0.24	—	0.24	0.22	—	0.22	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.69	< 0.005	0.04	—	0.04	0.04	—	0.04	—	283	283	0.01	< 0.005	—	284

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.58	1.35	1.42	23.5	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	6,074	6,074	0.06	0.22	19.3	6,162	
Vendor	0.17	0.05	2.18	1.08	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,185	2,185	0.11	0.30	5.23	2,281	
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.58	1.34	1.45	20.2	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,781	5,781	0.07	0.22	0.50	5,850	
Vendor	0.17	0.04	2.27	1.11	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,186	2,186	0.11	0.30	0.14	2,277	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	1.12	0.96	1.17	15.0	0.00	0.00	4.38	4.38	0.00	1.02	1.02	—	4,186	4,186	0.05	0.16	5.95	4,241	
Vendor	0.12	0.03	1.63	0.78	0.01	0.01	0.43	0.44	0.01	0.12	0.13	—	1,561	1,561	0.08	0.21	1.61	1,628	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.20	0.18	0.21	2.74	0.00	0.00	0.80	0.80	0.00	0.19	0.19	—	693	693	0.01	0.03	0.99	702	
Vendor	0.02	0.01	0.30	0.14	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.27	270	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

### 3.25. Building Construction - Phase 2 (2028) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.65	5.87	8.51	0.02	0.20	—	0.20	0.18	—	0.18	—	1,576	1,576	0.06	0.01	—	1,582
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.07	1.55	< 0.005	0.04	—	0.04	0.03	—	0.03	—	261	261	0.01	< 0.005	—	262
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.54	1.31	1.22	22.1	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,966	5,966	0.06	0.03	17.2	5,994
Vendor	0.16	0.04	2.09	1.05	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,134	2,134	0.11	0.30	4.70	2,230
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.53	1.30	1.43	19.0	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,678	5,678	0.07	0.22	0.45	5,748
Vendor	0.15	0.04	2.18	1.07	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,135	2,135	0.11	0.30	0.12	2,227
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.01	0.86	0.94	13.1	0.00	0.00	4.03	4.03	0.00	0.94	0.94	—	3,785	3,785	0.05	0.15	4.89	3,835
Vendor	0.10	0.03	1.43	0.70	0.01	0.01	0.40	0.41	0.01	0.11	0.12	—	1,403	1,403	0.07	0.20	1.34	1,465
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.18	0.16	0.17	2.38	0.00	0.00	0.74	0.74	0.00	0.17	0.17	—	627	627	0.01	0.02	0.81	635
Vendor	0.02	0.01	0.26	0.13	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	232	232	0.01	0.03	0.22	243
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction - Phase 2 (2028) - Mitigated

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

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

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.65	5.87	8.51	0.02	0.20	—	0.20	0.18	—	0.18	—	1,576	1,576	0.06	0.01	—	1,582	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.07	1.55	< 0.005	0.04	—	0.04	0.03	—	0.03	—	261	261	0.01	< 0.005	—	262	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.54	1.31	1.22	22.1	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,966	5,966	0.06	0.03	17.2	5,994	
Vendor	0.16	0.04	2.09	1.05	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,134	2,134	0.11	0.30	4.70	2,230	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.53	1.30	1.43	19.0	0.00	0.00	6.20	6.20	0.00	1.45	1.45	—	5,678	5,678	0.07	0.22	0.45	5,748
Vendor	0.15	0.04	2.18	1.07	0.02	0.02	0.61	0.62	0.02	0.17	0.18	—	2,135	2,135	0.11	0.30	0.12	2,227
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.01	0.86	0.94	13.1	0.00	0.00	4.03	4.03	0.00	0.94	0.94	—	3,785	3,785	0.05	0.15	4.89	3,835
Vendor	0.10	0.03	1.43	0.70	0.01	0.01	0.40	0.41	0.01	0.11	0.12	—	1,403	1,403	0.07	0.20	1.34	1,465
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.18	0.16	0.17	2.38	0.00	0.00	0.74	0.74	0.00	0.17	0.17	—	627	627	0.01	0.02	0.81	635
Vendor	0.02	0.01	0.26	0.13	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	232	232	0.01	0.03	0.22	243
Hauling	0.00	0.00	0.00	0.00	0.00	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. Paving - Phase 1 and Phase 2 (2027) - Unmitigated

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

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

Off-Road Equipment	0.06	0.05	0.44	0.63	< 0.005	0.02	—	0.02	0.02	—	0.02	—	95.2	95.2	< 0.005	< 0.005	—	95.5
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.64	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	183	183	< 0.005	0.01	0.02	185
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	0.02	11.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.93	1.93	< 0.005	< 0.005	< 0.005	1.96
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.28. Paving - Phase 1 and Phase 2 (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.63	< 0.005	0.02	—	0.02	0.02	—	0.02	—	95.2	95.2	< 0.005	< 0.005	—	95.5
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.64	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	183	183	< 0.005	0.01	0.02	185
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	0.02	11.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.93	1.93	< 0.005	< 0.005	< 0.005	1.96
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.29. Architectural Coating - Phase 1 (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134

Architectural	23.0	23.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.20	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.8	31.8	< 0.005	< 0.005	—	31.9
Architectural Coatings	5.49	5.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.27	5.27	< 0.005	< 0.005	—	5.29
Architectural Coatings	1.00	1.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.54	0.57	9.38	0.00	0.00	2.48	2.48	0.00	0.58	0.58	—	2,430	2,430	0.03	0.09	7.70	2,465
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.16	2.01	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	559	559	0.01	0.02	0.79	566	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.03	0.02	0.03	0.37	0.00	0.00	0.11	0.11	0.00	0.02	0.02	—	92.5	92.5	< 0.005	< 0.005	0.13	93.7	
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	

### 3.30. Architectural Coating - Phase 1 (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	23.0	23.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.20	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.8	31.8	< 0.005	< 0.005	—	31.9
Architectural Coatings	5.49	5.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.27	5.27	< 0.005	< 0.005	—	5.29
Architectural Coatings	1.00	1.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.54	0.57	9.38	0.00	0.00	2.48	2.48	0.00	0.58	0.58	—	2,430	2,430	0.03	0.09	7.70	2,465
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.16	2.01	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	559	559	0.01	0.02	0.79	566
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.37	0.00	0.00	0.11	0.11	0.00	0.02	0.02	—	92.5	92.5	< 0.005	< 0.005	0.13	93.7
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

### 3.31. Architectural Coating - Phase 2 (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	22.6	22.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134

Architect Coatings	22.6	22.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.19	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.2	32.2	< 0.005	< 0.005	—	32.3
Architectural Coatings	5.44	5.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.33	5.33	< 0.005	< 0.005	—	5.35
Architectural Coatings	0.99	0.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.32. Architectural Coating - Phase 2 (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	22.6	22.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134	
Architectural Coatings	22.6	22.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.19	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.2	32.2	< 0.005	< 0.005	—	32.3	
Architectural Coatings	5.44	5.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.33	5.33	< 0.005	< 0.005	—	5.35	
Architectural Coatings	0.99	0.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

## 4. Operations Emissions Details

### 4.1. Mobile Emissions by Land Use

#### 4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	8.94	8.18	5.37	65.1	0.18	0.10	17.5	17.6	0.09	4.45	4.54	—	17,923	17,923	0.78	0.69	45.1	18,192
Strip Mall	0.75	0.68	0.47	5.78	0.02	0.01	1.59	1.60	0.01	0.40	0.41	—	1,621	1,621	0.07	0.06	4.09	1,645
Total	9.68	8.87	5.84	70.9	0.19	0.11	19.1	19.2	0.10	4.85	4.95	—	19,544	19,544	0.85	0.75	49.1	19,837
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	8.89	8.13	5.83	60.8	0.17	0.10	17.5	17.6	0.09	4.45	4.54	—	17,240	17,240	0.81	0.72	1.17	17,475
Strip Mall	0.74	0.68	0.51	5.37	0.02	0.01	1.59	1.60	0.01	0.40	0.41	—	1,559	1,559	0.07	0.06	0.11	1,580
Total	9.63	8.80	6.35	66.2	0.18	0.11	19.1	19.2	0.10	4.85	4.95	—	18,799	18,799	0.88	0.78	1.27	19,055
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.61	1.47	1.07	11.4	0.03	0.02	3.16	3.18	0.02	0.80	0.82	—	2,885	2,885	0.13	0.12	3.22	2,927
Strip Mall	0.13	0.12	0.09	1.00	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.07	—	261	261	0.01	0.01	0.29	265
Total	1.74	1.59	1.17	12.4	0.03	0.02	3.45	3.47	0.02	0.88	0.89	—	3,146	3,146	0.15	0.13	3.51	3,191

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	8.94	8.18	5.37	65.1	0.18	0.10	17.5	17.6	0.09	4.45	4.54	—	17,923	17,923	0.78	0.69	45.1	18,192
Strip Mall	0.75	0.68	0.47	5.77	0.02	0.01	1.59	1.60	0.01	0.40	0.41	—	1,619	1,619	0.07	0.06	4.08	1,643
Total	9.68	8.86	5.84	70.9	0.19	0.11	19.1	19.2	0.10	4.85	4.95	—	19,542	19,542	0.85	0.75	49.1	19,835
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	8.89	8.13	5.83	60.8	0.17	0.10	17.5	17.6	0.09	4.45	4.54	—	17,240	17,240	0.81	0.72	1.17	17,475
Strip Mall	0.74	0.68	0.51	5.36	0.02	0.01	1.59	1.60	0.01	0.40	0.41	—	1,557	1,557	0.07	0.06	0.11	1,578
Total	9.63	8.80	6.35	66.2	0.18	0.11	19.1	19.2	0.10	4.85	4.95	—	18,797	18,797	0.88	0.78	1.27	19,053
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.61	1.47	1.07	11.4	0.03	0.02	3.16	3.18	0.02	0.80	0.82	—	2,885	2,885	0.13	0.12	3.22	2,927
Strip Mall	0.13	0.12	0.09	1.00	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.07	—	261	261	0.01	0.01	0.29	264
Total	1.74	1.59	1.17	12.4	0.03	0.02	3.45	3.47	0.02	0.88	0.89	—	3,145	3,145	0.15	0.13	3.51	3,191

## 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,284	2,284	0.22	0.03	—	2,298

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	41.5	41.5	< 0.005	< 0.005	—	41.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,326	2,326	0.22	0.03	—	2,339
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,284	2,284	0.22	0.03	—	2,298
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	41.5	41.5	< 0.005	< 0.005	—	41.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,326	2,326	0.22	0.03	—	2,339
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	378	378	0.04	< 0.005	—	380
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	6.88	6.88	< 0.005	< 0.005	—	6.92
Total	—	—	—	—	—	—	—	—	—	—	—	—	385	385	0.04	< 0.005	—	387

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,188	1,188	0.11	0.01	—	1,195
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	41.0	41.0	< 0.005	< 0.005	—	41.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,229	1,229	0.12	0.01	—	1,236

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,188	1,188	0.11	0.01	—	1,195
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	41.0	41.0	< 0.005	< 0.005	—	41.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,229	1,229	0.12	0.01	—	1,236
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	197	197	0.02	< 0.005	—	198
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	6.79	6.79	< 0.005	< 0.005	—	6.83
Total	—	—	—	—	—	—	—	—	—	—	—	—	203	203	0.02	< 0.005	—	205

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.22	0.11	1.84	0.78	0.01	0.15	—	0.15	0.15	—	0.15	—	2,339	2,339	0.21	< 0.005	—	2,345
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.56	8.56	< 0.005	< 0.005	—	8.58
Total	0.22	0.11	1.85	0.79	0.01	0.15	—	0.15	0.15	—	0.15	—	2,347	2,347	0.21	< 0.005	—	2,354
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	0.22	0.11	1.84	0.78	0.01	0.15	—	0.15	0.15	—	0.15	—	2,339	2,339	0.21	< 0.005	—	2,345
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.56	8.56	< 0.005	< 0.005	—	8.58
Total	0.22	0.11	1.85	0.79	0.01	0.15	—	0.15	0.15	—	0.15	—	2,347	2,347	0.21	< 0.005	—	2,354
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.04	0.02	0.34	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	387	387	0.03	< 0.005	—	388
Strip Mall	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.42	1.42	< 0.005	< 0.005	—	1.42
Total	0.04	0.02	0.34	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	389	389	0.03	< 0.005	—	390

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.22	0.11	1.84	0.78	0.01	0.15	—	0.15	0.15	—	0.15	—	2,339	2,339	0.21	< 0.005	—	2,345
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.56	8.56	< 0.005	< 0.005	—	8.58
Total	0.22	0.11	1.85	0.79	0.01	0.15	—	0.15	0.15	—	0.15	—	2,347	2,347	0.21	< 0.005	—	2,354
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.22	0.11	1.84	0.78	0.01	0.15	—	0.15	0.15	—	0.15	—	2,339	2,339	0.21	< 0.005	—	2,345
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.56	8.56	< 0.005	< 0.005	—	8.58

Total	0.22	0.11	1.85	0.79	0.01	0.15	—	0.15	0.15	—	0.15	—	2,347	2,347	0.21	< 0.005	—	2,354
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.04	0.02	0.34	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	387	387	0.03	< 0.005	—	388
Strip Mall	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.42	1.42	< 0.005	< 0.005	—	1.42
Total	0.04	0.02	0.34	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	389	389	0.03	< 0.005	—	390

### 4.3. Area Emissions by Source

#### 4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	13.6	13.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.09	1.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.45	3.27	0.35	37.6	< 0.005	0.02	—	0.02	0.01	—	0.01	—	100	100	< 0.005	< 0.005	—	101
Total	18.1	18.0	0.35	37.6	< 0.005	0.02	—	0.02	0.01	—	0.01	—	100	100	< 0.005	< 0.005	—	101
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Product	13.6	13.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.09	1.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	14.7	14.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.48	2.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.20	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.43	0.41	0.04	4.70	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	—	11.4
Total	3.11	3.09	0.04	4.70	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	—	11.4

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	13.6	13.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	1.09	1.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.45	3.27	0.35	37.6	< 0.005	0.02	—	0.02	0.01	—	0.01	—	100	100	< 0.005	< 0.005	—	101
Total	18.1	18.0	0.35	37.6	< 0.005	0.02	—	0.02	0.01	—	0.01	—	100	100	< 0.005	< 0.005	—	101
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	13.6	13.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.09	1.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	14.7	14.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.48	2.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.20	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.43	0.41	0.04	4.70	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	—	11.4
Total	3.11	3.09	0.04	4.70	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	—	11.4

### 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	47.2	159	206	4.86	0.12	—	363
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.63	2.13	2.77	0.07	< 0.005	—	4.86
Total	—	—	—	—	—	—	—	—	—	—	—	47.9	161	209	4.92	0.12	—	368
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	47.2	159	206	4.86	0.12	—	363
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.63	2.13	2.77	0.07	< 0.005	—	4.86
Total	—	—	—	—	—	—	—	—	—	—	—	47.9	161	209	4.92	0.12	—	368
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	7.82	26.4	34.2	0.80	0.02	—	60.1
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.10	0.35	0.46	0.01	< 0.005	—	0.80
Total	—	—	—	—	—	—	—	—	—	—	—	7.93	26.7	34.6	0.82	0.02	—	60.9

#### 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	30.3	102	133	3.12	0.08	—	233
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.56	1.88	2.44	0.06	< 0.005	—	4.29
Total	—	—	—	—	—	—	—	—	—	—	—	30.9	104	135	3.18	0.08	—	237
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	30.3	102	133	3.12	0.08	—	233
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.56	1.88	2.44	0.06	< 0.005	—	4.29
Total	—	—	—	—	—	—	—	—	—	—	—	30.9	104	135	3.18	0.08	—	237
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	5.02	16.9	22.0	0.52	0.01	—	38.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.09	0.31	0.40	0.01	< 0.005	—	0.71
Total	—	—	—	—	—	—	—	—	—	—	—	5.12	17.2	22.4	0.53	0.01	—	39.3

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	262	0.00	262	26.2	0.00	—	916
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.52	0.00	2.52	0.25	0.00	—	8.83
Total	—	—	—	—	—	—	—	—	—	—	—	264	0.00	264	26.4	0.00	—	925
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	262	0.00	262	26.2	0.00	—	916
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.52	0.00	2.52	0.25	0.00	—	8.83
Total	—	—	—	—	—	—	—	—	—	—	—	264	0.00	264	26.4	0.00	—	925
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	43.4	0.00	43.4	4.33	0.00	—	152
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.42	0.00	0.42	0.04	0.00	—	1.46
Total	—	—	—	—	—	—	—	—	—	—	—	43.8	0.00	43.8	4.37	0.00	—	153

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	262	0.00	262	26.2	0.00	—	916
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.52	0.00	2.52	0.25	0.00	—	8.83
Total	—	—	—	—	—	—	—	—	—	—	—	264	0.00	264	26.4	0.00	—	925
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	262	0.00	262	26.2	0.00	—	916
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.52	0.00	2.52	0.25	0.00	—	8.83
Total	—	—	—	—	—	—	—	—	—	—	—	264	0.00	264	26.4	0.00	—	925
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	43.4	0.00	43.4	4.33	0.00	—	152
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.42	0.00	0.42	0.04	0.00	—	1.46
Total	—	—	—	—	—	—	—	—	—	—	—	43.8	0.00	43.8	4.37	0.00	—	153

### 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.52	4.52
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.54	4.54
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.52	4.52
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.54	4.54
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	0.75
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	0.75

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.52	4.52
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.54	4.54
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.52	4.52
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.54	4.54
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	0.75
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.75	0.75

### 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 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

4.8.2. Mitigated

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

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. 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)

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. 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)

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## 5. Activity Data

### 5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition - Phase 1	Demolition	11/1/2025	11/15/2025	5.00	10.0	—
Demolition - Phase 2	Demolition	11/1/2025	11/15/2025	5.00	10.0	—
Grading - Phase 1	Grading	11/16/2025	11/30/2026	5.00	271	—
Grading - Phase 2	Grading	11/16/2025	11/30/2026	5.00	271	—
Building Construction - Phase 1	Building Construction	12/1/2025	5/1/2028	5.00	631	—
Building Construction - Phase 2	Building Construction	10/1/2026	12/1/2028	5.00	567	—
Paving - Phase 1 and Phase 2	Paving	11/1/2027	12/1/2027	5.00	23.0	—
Architectural Coating - Phase 1	Architectural Coating	4/1/2027	8/1/2027	5.00	87.0	—
Architectural Coating - Phase 2	Architectural Coating	2/1/2028	6/1/2028	5.00	88.0	—

### 5.2. Off-Road Equipment

#### 5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition - Phase 1	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition - Phase 1	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition - Phase 1	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition - Phase 2	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition - Phase 2	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition - Phase 2	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading - Phase 1	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading - Phase 1	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading - Phase 1	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading - Phase 1	Tractors/Loaders/Back hoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading - Phase 2	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading - Phase 2	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading - Phase 2	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading - Phase 2	Tractors/Loaders/Back hoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction - Phase 1	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Phase 1	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - Phase 1	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Phase 1	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Phase 1	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction - Phase 2	Cranes	Diesel	Average	1.00	7.00	367	0.29

Building Construction - Phase 2	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - Phase 2	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Phase 2	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Phase 2	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving - Phase 1 and Phase 2	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving - Phase 1 and Phase 2	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving - Phase 1 and Phase 2	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating - Phase 1	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Architectural Coating - Phase 2	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

### 5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition - Phase 1	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition - Phase 1	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition - Phase 1	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition - Phase 2	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition - Phase 2	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition - Phase 2	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading - Phase 1	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading - Phase 1	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading - Phase 1	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40

Grading - Phase 1	Tractors/Loaders/Back	Diesel	Average	3.00	8.00	84.0	0.37
Grading - Phase 2	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading - Phase 2	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading - Phase 2	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading - Phase 2	Tractors/Loaders/Back hoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction - Phase 1	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Phase 1	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - Phase 1	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Phase 1	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Phase 1	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction - Phase 2	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Phase 2	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - Phase 2	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Phase 2	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Phase 2	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving - Phase 1 and Phase 2	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving - Phase 1 and Phase 2	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving - Phase 1 and Phase 2	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating - Phase 1	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

Architectural Coating - Phase 2	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
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## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading - Phase 1	—	—	—	—
Grading - Phase 1	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading - Phase 1	Vendor	—	10.2	HHDT,MHDT
Grading - Phase 1	Hauling	11.7	20.0	HHDT
Grading - Phase 1	Onsite truck	—	—	HHDT
Building Construction - Phase 1	—	—	—	—
Building Construction - Phase 1	Worker	474	18.5	LDA,LDT1,LDT2
Building Construction - Phase 1	Vendor	71.0	10.2	HHDT,MHDT
Building Construction - Phase 1	Hauling	0.00	20.0	HHDT
Building Construction - Phase 1	Onsite truck	—	—	HHDT
Paving - Phase 1 and Phase 2	—	—	—	—
Paving - Phase 1 and Phase 2	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving - Phase 1 and Phase 2	Vendor	—	10.2	HHDT,MHDT
Paving - Phase 1 and Phase 2	Hauling	0.00	20.0	HHDT
Paving - Phase 1 and Phase 2	Onsite truck	—	—	HHDT
Architectural Coating - Phase 1	—	—	—	—
Architectural Coating - Phase 1	Worker	190	18.5	LDA,LDT1,LDT2
Architectural Coating - Phase 1	Vendor	—	10.2	HHDT,MHDT
Architectural Coating - Phase 1	Hauling	0.00	20.0	HHDT
Architectural Coating - Phase 1	Onsite truck	—	—	HHDT
Demolition - Phase 1	—	—	—	—
Demolition - Phase 1	Worker	15.0	18.5	LDA,LDT1,LDT2

Demolition - Phase 1	Vendor	—	10.2	HHDT,MHDT
Demolition - Phase 1	Hauling	0.30	20.0	HHDT
Demolition - Phase 1	Onsite truck	—	—	HHDT
Demolition - Phase 2	—	—	—	—
Demolition - Phase 2	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition - Phase 2	Vendor	—	10.2	HHDT,MHDT
Demolition - Phase 2	Hauling	0.30	20.0	HHDT
Demolition - Phase 2	Onsite truck	—	—	HHDT
Grading - Phase 2	—	—	—	—
Grading - Phase 2	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading - Phase 2	Vendor	—	10.2	HHDT,MHDT
Grading - Phase 2	Hauling	0.00	20.0	HHDT
Grading - Phase 2	Onsite truck	—	—	HHDT
Building Construction - Phase 2	—	—	—	—
Building Construction - Phase 2	Worker	474	18.5	LDA,LDT1,LDT2
Building Construction - Phase 2	Vendor	71.0	10.2	HHDT,MHDT
Building Construction - Phase 2	Hauling	0.00	20.0	HHDT
Building Construction - Phase 2	Onsite truck	—	—	HHDT
Architectural Coating - Phase 2	—	—	—	—
Architectural Coating - Phase 2	Worker	—	18.5	LDA,LDT1,LDT2
Architectural Coating - Phase 2	Vendor	—	10.2	HHDT,MHDT
Architectural Coating - Phase 2	Hauling	0.00	20.0	HHDT
Architectural Coating - Phase 2	Onsite truck	—	—	HHDT

### 5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading - Phase 1	—	—	—	—
Grading - Phase 1	Worker	15.0	18.5	LDA,LDT1,LDT2

Grading - Phase 1	Vendor	—	10.2	HHDT,MHDT
Grading - Phase 1	Hauling	11.7	20.0	HHDT
Grading - Phase 1	Onsite truck	—	—	HHDT
Building Construction - Phase 1	—	—	—	—
Building Construction - Phase 1	Worker	474	18.5	LDA,LDT1,LDT2
Building Construction - Phase 1	Vendor	71.0	10.2	HHDT,MHDT
Building Construction - Phase 1	Hauling	0.00	20.0	HHDT
Building Construction - Phase 1	Onsite truck	—	—	HHDT
Paving - Phase 1 and Phase 2	—	—	—	—
Paving - Phase 1 and Phase 2	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving - Phase 1 and Phase 2	Vendor	—	10.2	HHDT,MHDT
Paving - Phase 1 and Phase 2	Hauling	0.00	20.0	HHDT
Paving - Phase 1 and Phase 2	Onsite truck	—	—	HHDT
Architectural Coating - Phase 1	—	—	—	—
Architectural Coating - Phase 1	Worker	190	18.5	LDA,LDT1,LDT2
Architectural Coating - Phase 1	Vendor	—	10.2	HHDT,MHDT
Architectural Coating - Phase 1	Hauling	0.00	20.0	HHDT
Architectural Coating - Phase 1	Onsite truck	—	—	HHDT
Demolition - Phase 1	—	—	—	—
Demolition - Phase 1	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition - Phase 1	Vendor	—	10.2	HHDT,MHDT
Demolition - Phase 1	Hauling	0.30	20.0	HHDT
Demolition - Phase 1	Onsite truck	—	—	HHDT
Demolition - Phase 2	—	—	—	—
Demolition - Phase 2	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition - Phase 2	Vendor	—	10.2	HHDT,MHDT
Demolition - Phase 2	Hauling	0.30	20.0	HHDT
Demolition - Phase 2	Onsite truck	—	—	HHDT

Grading - Phase 2	—	—	—	—
Grading - Phase 2	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading - Phase 2	Vendor	—	10.2	HHDT,MHDT
Grading - Phase 2	Hauling	0.00	20.0	HHDT
Grading - Phase 2	Onsite truck	—	—	HHDT
Building Construction - Phase 2	—	—	—	—
Building Construction - Phase 2	Worker	474	18.5	LDA,LDT1,LDT2
Building Construction - Phase 2	Vendor	71.0	10.2	HHDT,MHDT
Building Construction - Phase 2	Hauling	0.00	20.0	HHDT
Building Construction - Phase 2	Onsite truck	—	—	HHDT
Architectural Coating - Phase 2	—	—	—	—
Architectural Coating - Phase 2	Worker	—	18.5	LDA,LDT1,LDT2
Architectural Coating - Phase 2	Vendor	—	10.2	HHDT,MHDT
Architectural Coating - Phase 2	Hauling	0.00	20.0	HHDT
Architectural Coating - Phase 2	Onsite truck	—	—	HHDT

### 5.4. Vehicles

#### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

### 5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating - Phase 1	641,232	213,744	3,359	1,120	—
Architectural Coating - Phase 2	635,976	211,992	3,331	1,110	—

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition - Phase 1	0.00	0.00	0.00	10.0	—
Demolition - Phase 2	0.00	0.00	0.00	10.0	—
Grading - Phase 1	25,442	0.00	20.0	0.00	—
Grading - Phase 2	0.00	0.00	271	0.00	—
Paving - Phase 1 and Phase 2	0.00	0.00	0.00	0.00	0.00

### 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
Apartments Mid Rise	—	0%
Strip Mall	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	0.00	346	0.03	< 0.005
2027	0.00	346	0.03	< 0.005
2025	0.00	349	0.03	< 0.005
2028	0.00	346	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
Apartments Mid Rise	2,983	2,983	2,983	1,088,715	24,780	24,780	24,780	9,044,869
Strip Mall	243	243	243	88,639	2,248	2,248	2,248	820,515

### 5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	2,983	2,983	2,983	1,088,715	24,780	24,780	24,780	9,044,869
Strip Mall	243	243	243	88,522	2,245	2,245	2,245	819,433

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

#### 5.10.1.2. Mitigated

### 5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1277208	425,736	6,690	2,230	—

### 5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

### 5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

### 5.11. Operational Energy Consumption

#### 5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	2,408,453	346	0.0330	0.0040	7,297,196
Strip Mall	43,803	346	0.0330	0.0040	26,702

#### 5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,252,313	346	0.0330	0.0040	7,297,196
Strip Mall	43,226	346	0.0330	0.0040	26,702

### 5.12. Operational Water and Wastewater Consumption

#### 5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	24,654,352	0.00
Strip Mall	330,363	0.00

#### 5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	15,835,490	0.00
Strip Mall	291,711	0.00

### 5.13. Operational Waste Generation

#### 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	486	—
Strip Mall	4.68	—

#### 5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	486	—
Strip Mall	4.68	—

### 5.14. Operational Refrigeration and Air Conditioning Equipment

#### 5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments 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
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

### 5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
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
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

## 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
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### 5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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### 5.17. User Defined

Equipment Type	Fuel Type
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### 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
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##### 5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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#### 5.18.1. Biomass Cover Type

##### 5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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##### 5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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## 5.18.2. Sequestration

### 5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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### 5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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# 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	8.99	annual days of extreme heat
Extreme Precipitation	3.50	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.29	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

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

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

## 6.2. Initial Climate Risk Scores

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

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

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

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

### 6.3. Adjusted Climate Risk Scores

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

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

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

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

## 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	42.6
AQ-PM	61.9
AQ-DPM	77.8
Drinking Water	20.2
Lead Risk Housing	29.8
Pesticides	0.00
Toxic Releases	88.0
Traffic	94.4
Effect Indicators	—
CleanUp Sites	79.7
Groundwater	27.8
Haz Waste Facilities/Generators	59.1
Impaired Water Bodies	12.5
Solid Waste	0.00
Sensitive Population	—
Asthma	27.7
Cardio-vascular	50.7
Low Birth Weights	57.4
Socioeconomic Factor Indicators	—

Education	57.5
Housing	75.1
Linguistic	73.1
Poverty	39.2
Unemployment	44.4

## 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	64.98139356
Employed	73.4377005
Median HI	69.45977159
Education	—
Bachelor's or higher	56.2042859
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	84.51174131
Active commuting	53.84319261
Social	—
2-parent households	54.44629796
Voting	40.34389837
Neighborhood	—
Alcohol availability	37.22571539
Park access	58.23174644
Retail density	71.57705633
Supermarket access	46.29795971

Tree canopy	30.05261132
Housing	—
Homeownership	51.14846657
Housing habitability	33.11946619
Low-inc homeowner severe housing cost burden	15.06480175
Low-inc renter severe housing cost burden	15.60374695
Uncrowded housing	38.27794174
Health Outcomes	—
Insured adults	61.15744899
Arthritis	0.0
Asthma ER Admissions	75.6
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	77.4
Cognitively Disabled	85.7
Physically Disabled	62.2
Heart Attack ER Admissions	60.6
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	65.0
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—

Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	95.0
Elderly	35.4
English Speaking	28.0
Foreign-born	50.2
Outdoor Workers	82.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	37.6
Traffic Density	92.1
Traffic Access	23.0
Other Indices	—
Hardship	46.1
Other Decision Support	—
2016 Voting	70.6

### 7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	59.0
Healthy Places Index Score for Project Location (b)	72.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

### 7.4. Health & Equity Measures

No Health & Equity Measures selected.

### 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

### 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

## 8. User Changes to Default Data

Screen	Justification
Land Use	6.87 total acres. 2, 7-story residential apartment buildings (total of 657 apartment units), and 4,460 sf of retail space.
Construction: Construction Phases	Construction schedule as provided by project applicant.
Construction: Dust From Material Movement	As provided by the project applicant
Operations: Vehicle Data	Trip rates as provided by Traffic study.
Operations: Hearths	No hearths or wood stoves.

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: County

Region: Orange

Calendar Year: 2025, 2029

Season: Annual

Vehicle Classification: EMFAC202x Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	Trips	Fuel Consumption	MPG
Orange	2025	All Other Buses	Aggregate	Aggregate	Diesel	357.9591136	19775.5479	3185.836	2.095482609	<b>9.43723</b>
Orange	2025	LDA	Aggregate	Aggregate	Gasoline	1056312.531	41885606.83	4931032	1364.761186	<b>30.6908</b>
Orange	2025	LDA	Aggregate	Aggregate	Diesel	3018.286484	89138.09087	12663.86	2.06406705	<b>43.1857</b>
Orange	2025	LD1T	Aggregate	Aggregate	Diesel	96356.97279	3443415.123	428004	134.366068	<b>25.6271</b>
Orange	2025	LD1T	Aggregate	Aggregate	Gasoline	20.50822088	428.3760164	79.7723	0.017924036	<b>23.8995</b>
Orange	2025	LD2	Aggregate	Aggregate	Gasoline	529834.4659	21568112.97	2489359	860.9716631	<b>25.0509</b>
Orange	2025	LD2	Aggregate	Aggregate	Diesel	2111.525403	87946.98549	10062.69	2.68272495	<b>32.7827</b>
Orange	2025	LHD1	Aggregate	Aggregate	Gasoline	41223.98889	1660486.368	614176	115.6151536	<b>14.3622</b>
Orange	2025	LHD1	Aggregate	Aggregate	Diesel	22344.74546	951494.9678	281068.8	45.63388289	<b>20.8506</b>
Orange	2025	LHD2	Aggregate	Aggregate	Gasoline	6668.437484	250352.8675	99349.78	19.99612697	<b>12.5201</b>
Orange	2025	LHD2	Aggregate	Aggregate	Diesel	9609.574779	407866.7845	120876.4	23.15667142	<b>17.6134</b>
Orange	2025	MCY	Aggregate	Aggregate	Gasoline	51011.4251	325908.2941	102022.9	7.696840101	<b>42.3431</b>
Orange	2025	MDV	Aggregate	Aggregate	Gasoline	325579.9564	12660427.41	1510578	622.3110176	<b>20.3439</b>
Orange	2025	MDV	Aggregate	Aggregate	Diesel	4600.640767	180507.4796	21493.78	7.379557219	<b>24.4604</b>
Orange	2025	MH	Aggregate	Aggregate	Gasoline	5833.176957	56044.1428	583.551	11.64679864	<b>4.88925</b>
Orange	2025	MH	Aggregate	Aggregate	Diesel	2988.17924	29596.96588	298.719	2.913597583	<b>10.1582</b>
Orange	2025	Motor Coach	Aggregate	Aggregate	Diesel	125.6742224	16801.32956	2887.994	2.971004862	<b>5.6551</b>
Orange	2025	OBUS	Aggregate	Aggregate	Gasoline	835.2077651	34718.74829	16710.84	6.628377733	<b>5.2379</b>
Orange	2025	P10	Aggregate	Aggregate	Diesel	0	44816.61842	0	8.943723643	<b>5.01096</b>
Orange	2025	SBUS	Aggregate	Aggregate	Gasoline	678.7674095	30657.6054	2715.07	3.431527869	<b>8.3594</b>
Orange	2025	SBUS	Aggregate	Aggregate	Diesel	788.6124051	16073.03349	11419.11	4.848556679	<b>9.23782</b>
Orange	2025	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	9.158955168	598.8220333	210.4728	0.064431278	<b>9.30949</b>
Orange	2025	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	12.12652461	824.1841272	278.6675	0.088578889	<b>9.30452</b>
Orange	2025	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	40.98526681	2139.303489	941.8414	0.226318305	<b>9.45263</b>
Orange	2025	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	67.58038688	13546.16946	1552.997	1.334079277	<b>10.1539 MHD</b>
Orange	2025	T6 Instate Delivery C	Aggregate	Aggregate	Diesel	2558.177985	86213.73094	36505.2	9.742464756	<b>8.84927 9.043091</b>
Orange	2025	T6 Instate Delivery C	Aggregate	Aggregate	Diesel	2068.394814	70276.1874	29515.99	7.91333991	<b>8.88072</b>
Orange	2025	T6 Instate Delivery C	Aggregate	Aggregate	Diesel	6438.547158	217570.9147	91878.07	24.60801984	<b>8.84146</b>
Orange	2025	T6 Instate Delivery C	Aggregate	Aggregate	Diesel	825.731603	45713.87403	11925.89	4.848556679	<b>9.23782</b>
Orange	2025	T6 Instate Other Cla	Aggregate	Aggregate	Diesel	2178.40264	91239.5928	25182.35	10.26428846	<b>8.88903</b>
Orange	2025	T6 Instate Other Cla	Aggregate	Aggregate	Diesel	5118.036011	221201.9288	59164.5	24.91208318	<b>8.8793</b>
Orange	2025	T6 Instate Other Cla	Aggregate	Aggregate	Diesel	4216.015421	180218.8185	48737.14	20.25628909	<b>8.89851</b>
Orange	2025	T6 Instate Other Cla	Aggregate	Aggregate	Diesel	2143.920921	100079.4114	24783.73	11.04129451	<b>9.0641</b>
Orange	2025	T6 Instate Tractor Cl	Aggregate	Aggregate	Diesel	31.87209418	1649.366656	368.4414	0.182105132	<b>9.05722</b>
Orange	2025	T6 Instate Tractor Cl	Aggregate	Aggregate	Diesel	1310.18148	81211.95928	15145.7	8.383359798	<b>9.68728</b>
Orange	2025	T6 OOS Class 4	Aggregate	Aggregate	Diesel	5.437705578	353.6151706	124.9585	0.037559318	<b>9.41485</b>
Orange	2025	T6 OOS Class 5	Aggregate	Aggregate	Diesel	71.16406059	485.0264257	164.6301	0.051606919	<b>9.39983</b>
Orange	2025	T6 OOS Class 6	Aggregate	Aggregate	Diesel	24.39050555	1267.570839	560.4938	0.132110784	<b>9.59497</b>
Orange	2025	T6 OOS Class 7	Aggregate	Aggregate	Diesel	36.93201986	9216.81621	848.6978	0.900067874	<b>10.2401</b>
Orange	2025	T6 Public Class 4	Aggregate	Aggregate	Diesel	129.5350628	4496.205229	664.5149	0.525078759	<b>8.56292</b>
Orange	2025	T6 Public Class 5	Aggregate	Aggregate	Diesel	114.6589983	4123.680165	588.2007	0.475814698	<b>8.66657</b>
Orange	2025	T6 Public Class 6	Aggregate	Aggregate	Diesel	192.3965365	6763.534039	986.9942	0.791946686	<b>8.54039</b>
Orange	2025	T6 Public Class 7	Aggregate	Aggregate	Diesel	340.0376487	15194.0733	1744.393	1.738046581	<b>8.74204</b>
Orange	2025	T6 Utility Class 5	Aggregate	Aggregate	Diesel	106.3590475	4301.322713	1361.396	0.458777459	<b>9.37562</b>
Orange	2025	T6 Utility Class 6	Aggregate	Aggregate	Diesel	20.09416281	809.3458131	257.2053	0.085963818	<b>9.41496</b>
Orange	2025	T6 Utility Class 7	Aggregate	Aggregate	Diesel	22.73893778	1122.178959	291.0584	0.185446657	<b>9.4663</b>
Orange	2025	T6T5	Aggregate	Aggregate	Gasoline	7268.413445	379776.8426	145426.4	73.08335708	<b>5.19649</b>
Orange	2025	T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	1102.818845	224901.0205	25342.78	35.7296734	<b>6.29452 HHD</b>
Orange	2025	T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	997.9532453	270799.5596	29329.97	41.79292679	<b>6.47857 5.701975</b>
Orange	2025	T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	422.6777093	98327.59833	9713.134	15.54966697	<b>6.32345</b>
Orange	2025	T7 POLA Class 8	Aggregate	Aggregate	Diesel	1512.029018	189044.5386	24736.79	31.57963099	<b>5.98628</b>
Orange	2025	T7 Public Class 8	Aggregate	Aggregate	Diesel	766.9152993	30988.55035	3934.275	5.34886604	<b>5.77665</b>
Orange	2025	T7 Single Concrete/1	Aggregate	Aggregate	Diesel	285.0956578	19717.73884	2685.601	3.213433342	<b>6.13603</b>
Orange	2025	T7 Single Dump Clas	Aggregate	Aggregate	Diesel	1034.115651	6027.01386	9741.369	10.13602408	<b>5.94632</b>
Orange	2025	T7 Single Other Clas	Aggregate	Aggregate	Diesel	2379.060835	129172.3941	22410.75	21.27554808	<b>6.0714</b>
Orange	2025	T7 SWCV Class 8	Aggregate	Aggregate	Diesel	242.7793991	15765.31724	1116.785	5.867958956	<b>2.68668</b>
Orange	2025	T7 Tractor Class 8	Aggregate	Aggregate	Diesel	2599.004956	193841.2304	37763.54	31.28320146	<b>6.20526</b>
Orange	2025	T7 Tractor Class 8	Aggregate	Aggregate	Diesel	78.19966656	3451.350584	1000.956	0.555584509	<b>6.21211</b>
Orange	2025	T7T5	Aggregate	Aggregate	Gasoline	6.722922417	572.5132259	134.4996	0.132943836	<b>4.30643</b>
Orange	2025	UBUS	Aggregate	Aggregate	Gasoline	256.3483478	42289.47506	1025.393	3.462280467	<b>12.2143</b>
Orange	2025	All Other Buses	Aggregate	Aggregate	Diesel	382.9055396	19987.05782	3407.859	2.020034089	<b>9.49942</b>
Orange	2029	LDA	Aggregate	Aggregate	Diesel	1304856.174	41149375.45	483195.8	124.1863608	<b>33.1346</b>
Orange	2029	LDA	Aggregate	Aggregate	Diesel	1925.877567	88348.4754	8226.361	21.78785666	<b>45.30941</b>
Orange	2029	LD1T	Aggregate	Aggregate	Gasoline	91581.52842	3277866.345	406551	119.5500421	<b>27.4184</b>
Orange	2029	LD1T	Aggregate	Aggregate	Diesel	2.902217211	55.85633946	8.800511	0.002102861	<b>26.5621</b>
Orange	2029	LD2	Aggregate	Aggregate	Gasoline	555722.2366	22415240.23	2601799	825.9977049	<b>27.1372</b>
Orange	2029	LD2	Aggregate	Aggregate	Diesel	2216.820715	89349.39377	10434.57	2.549871681	<b>35.0407</b>
Orange	2029	LHD1	Aggregate	Aggregate	Gasoline	40268.54793	1609503.505	599941.4	104.948662	<b>15.3361</b>
Orange	2029	LHD1	Aggregate	Aggregate	Diesel	24434.47216	1013330.39	307354.49	47.8258656	<b>21.1879</b>
Orange	2029	LHD2	Aggregate	Aggregate	Gasoline	6367.767391	235311.5961	94870.25	17.70025781	<b>13.2942</b>
Orange	2029	LHD2	Aggregate	Aggregate	Diesel	10948.84634	447485.6852	137718.3	24.82858777	<b>18.0324</b>
Orange	2029	MCY	Aggregate	Aggregate	Gasoline	5393.0701	341399.2508	107986.1	7.997771221	<b>42.6868</b>
Orange	2029	MDV	Aggregate	Aggregate	Gasoline	331005.2666	12853071.73	1533580	582.5334921	<b>22.0641</b>
Orange	2029	MDV	Aggregate	Aggregate	Diesel	4422.111559	168242.7577	20389.51	6.460445706	<b>26.042</b>
Orange	2029	MH	Aggregate	Aggregate	Gasoline	5192.597132	52456.55971	519.4674	10.74280936	<b>4.88295</b>
Orange	2029	MH	Aggregate	Aggregate	Diesel	3027.333223	29055.74108	302.7333	2.863629808	<b>10.1465</b>
Orange	2029	Motor Coach	Aggregate	Aggregate	Diesel	143.9169713	17185.0163	3307.212	2.900318192	<b>5.92522</b>
Orange	2029	OBUS	Aggregate	Aggregate	Gasoline	761.1596295	30255.30829	15229.28	5.525730761	<b>5.47535</b>
Orange	2029	P10	Aggregate	Aggregate	Diesel	0	44032.44944	0	8.348797292	<b>5.24957</b>
Orange	2029	SBUS	Aggregate	Aggregate	Gasoline	702.653337	31753.64333	2810.613	0.310382783	<b>9.04564</b>
Orange	2029	SBUS	Aggregate	Aggregate	Diesel	651.9418709	13265.18631	9440.118	1.761920245	<b>7.52852</b>
Orange	2029	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	8.818701859	573.8086557	202.6538	0.060053054	<b>9.55503</b>
Orange	2029	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	11.42228988	791.8119764	262.4842	0.083087481	<b>9.52986</b>
Orange	2029	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	42.95705179	2025.585429	987.1531	0.209546549	<b>9.66652 MHD</b>
Orange	2029	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	68.97746579	13387.42469	1585.102	1.253367523	<b>10.6812 9.27684</b>
Orange	2029	T6 Instate Delivery C	Aggregate	Aggregate	Diesel	2581.637504	84724.51285	36839.97	9.420603636	<b>8.99353</b>
Orange	2029	T6 Instate Delivery C	Aggregate	Aggregate	Diesel	2097.985113	69110.08666	29938.25	7.664197141	<b>9.01726</b>
Orange	2029	T6 Instate Delivery C	Aggregate							

## On-road Mobile (Operational) Energy Usage

### Unmitigated:

Step 1:

Therefore:

**Average Daily VMT:**

27,028 Source: CalEEMod Output File

Step 2:

Given:

**Fleet Mix (CalEEMod Output)**

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
49.0288%	3.8701%	23.9815%	14.5817%	2.8310%	0.7568%	1.5673%	0.5964%	0.0595%	0.0352%	2.2524%	0.0963%	0.3429%

And:

**Gasoline MPG Factors for each Vehicle Class - Year 2029 (EMFAC2021 Output)**

LDA	LDT1	LDT2	MDV	MCY	MH	OBUS
33.13	27.42	27.14	22.06	42.69	4.88	5.48

**Diesel MPG Factors for each Vehicle Class - Year 2029 (EMFAC2021 Output)**

LHD1	LHD2	MHD	HHD	UBUS	SBUS
21.19	18.02	9.28	5.87	13.04	7.53

Therefore:

**Weighted Average MPG Factors**

Gasoline: 29.8 Diesel: 15.8

Step 3:

Therefore:

854 daily gallons of gasoline 102 daily gallons of diesel

or

311,556 annual gallons of gasoline	37,146 annual gallons of diesel
------------------------------------	---------------------------------

## Off-road Mobile (Construction) Energy Usage

Note: For the sake of simplicity, and as a conservative estimation, it was assumed that all off-road vehicles use diesel fuel as an energy source. Demolition (if applicable), Site preparation and grading off-road mobile vehicle on-site gallons of fuel are calculated below.

<b>Given Factor:</b>	<b>396.5 metric tons</b>	<b>CO2</b>	<b>(provided in CalEEMod Output File)</b>
Conversion Factor:	2204.6262 pounds	per metric ton	
<b>Intermediate Result:</b>	<b>874,134 pounds</b>	<b>CO2</b>	
Conversion Factor:	22.38 pounds	CO2 per 1 gallon of diesel fuel	Source: U.S. EIA, 2016
<b>Final Result:</b>	<b>39,059 gallons</b>	<b>diesel fuel</b>	<a href="http://www.eia.gov/tools/faqs/faq.cfm?id=307&amp;t=11">http://www.eia.gov/tools/faqs/faq.cfm?id=307&amp;t=11</a>

Mitigated Onsite Scenario	Total CO2 (MT/yr) (provided in CalEEMod Output File)
Demolition - Phase 1	15.6
Demolition - Phase 2	15.6
Grading - Phase 1	44.3
Grading - Phase 2	321.0

# On-road Mobile (Construction) Energy Usage - Demolition - Phase 1

Step 1:	<p><b>Total Daily Worker Trips (CalEEMod Output)</b> 15</p> <p><b>Worker Trip Length (miles) (CalEEMod Output)</b> 18.5</p> <p>Therefore: <b>Average Worker Daily VMT:</b> 278</p>	<p><b>Total Daily Haul Trips (CalEEMod Output)</b> 0      5%      0</p> <p><b>Haul Trip Length (miles) (CalEEMod Output)</b> 20</p> <p><b>Average Haul Daily VMT:</b> 0</p>																						
Step 2:	<p>Given:</p> <p><b>Assumed Fleet Mix for Workers</b> (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)</p> <table border="0"> <tr> <td><b>LDA</b></td> <td><b>LDT1</b></td> <td><b>LDT2</b></td> <td></td> </tr> <tr> <td>0.5</td> <td>0.25</td> <td>0.25</td> <td></td> </tr> </table> <p>And:</p> <p><b>MPG Factors for each Vehicle Class - Year 2025 (EMFAC2021 Output)</b></p> <table border="0"> <tr> <td><b>LDA</b></td> <td><b>LDT1</b></td> <td><b>LDT2</b></td> </tr> <tr> <td>30.690796</td> <td>25.627118</td> <td>25.050898</td> </tr> </table> <p>Therefore: <b>Weighted Average Worker MPG Factor</b> 28.0</p>	<b>LDA</b>	<b>LDT1</b>	<b>LDT2</b>		0.5	0.25	0.25		<b>LDA</b>	<b>LDT1</b>	<b>LDT2</b>	30.690796	25.627118	25.050898	<p><b>Fleet Mix for Workers (CalEEMod Output)</b></p> <table border="0"> <tr> <td><b>MHD</b></td> <td><b>HHD</b></td> </tr> <tr> <td>0%</td> <td>100%</td> </tr> </table> <p><b>Diesel:</b></p> <table border="0"> <tr> <td><b>MHD</b></td> <td><b>HHD</b></td> </tr> <tr> <td>9.083978</td> <td>5.702523</td> </tr> </table> <p><b>Weighted Average Haul (Diesel) MPG Factor</b> 5.7</p>	<b>MHD</b>	<b>HHD</b>	0%	100%	<b>MHD</b>	<b>HHD</b>	9.083978	5.702523
<b>LDA</b>	<b>LDT1</b>	<b>LDT2</b>																						
0.5	0.25	0.25																						
<b>LDA</b>	<b>LDT1</b>	<b>LDT2</b>																						
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0%	100%																							
<b>MHD</b>	<b>HHD</b>																							
9.083978	5.702523																							
Step 3:	<p>Therefore: 9.9 Worker daily gallons of gasoline</p>	<p>Therefore: 0 Haul daily gallons of diesel</p>																						
Step 4:	<p>Therefore: 10 # of Days (CalEEMod Output)</p>	<p>Therefore: 1 Total gallons of diesel</p>																						
<b>Result:</b>	<p>99 Total gallons of gasoline</p>	<p>1 Total gallons of diesel</p>																						

## On-road Mobile (Construction) Energy Usage - Demolition - Phase 2

Step 1:	<b>Total Daily Worker Trips (CalEEMod Output)</b> 15	<b>Total Daily Haul Trips (CalEEMod Output)</b> 0      5%      0
	<b>Worker Trip Length (miles) (CalEEMod Output)</b> 18.5	<b>Haul Trip Length (miles) (CalEEMod Output)</b> 20
	Therefore: <b>Average Worker Daily VMT:</b> 278	<b>Average Haul Daily VMT:</b> 0
Step 2:	Given: <b>Assumed Fleet Mix for Workers</b> (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15) LDA      LDT1      LDT2 0.5      0.25      0.25	<b>Fleet Mix for Workers (CalEEMod Output)</b> MHD      HHD 0%      100%
	And: <b>MPG Factors for each Vehicle Class - Year 2025 (EMFAC2021 Output)</b> LDA      LDT1      LDT2 30.690796      25.627118      25.050898	<b>Diesel:</b> MHD      HHD 9.083978      5.702523
	Therefore: <b>Weighted Average Worker MPG Factor</b> 28.0	<b>Weighted Average Haul (Diesel) MPG Factor</b> 5.7
Step 3:	Therefore: 9.9 Worker daily gallons of gasoline	
Step 4:	10 # of Days (CalEEMod Output)	Therefore: 0 Haul daily gallons of diesel
Result:	Therefore: 99 Total gallons of gasoline	Therefore: 1 Total gallons of diesel

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

Step 1:	<b>Total Daily Worker Trips (CalEEMod Output)</b> <div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">15</div>	<b>Total Daily Haul Trips (CalEEMod Output)</b> <div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">12</div> 5% <div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">1</div>										
	<b>Worker Trip Length (miles) (CalEEMod Output)</b> <div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">18.5</div>	<b>Haul Trip Length (miles) (CalEEMod Output)</b> <div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">20</div>										
	Therefore: <b>Average Worker Daily VMT:</b> <div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">278</div>	<b>Average Haul Daily VMT:</b> <div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">12</div>										
Step 2:	Given: <b>Assumed Fleet Mix for Workers</b> (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15) <table border="0" style="margin-left: 20px;"> <tr> <td><b>LDA</b></td> <td><b>LDT1</b></td> <td><b>LDT2</b></td> </tr> <tr> <td><div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">0.5</div></td> <td><div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">0.25</div></td> <td><div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">0.25</div></td> </tr> </table>	<b>LDA</b>	<b>LDT1</b>	<b>LDT2</b>	<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">0.5</div>	<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">0.25</div>	<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">0.25</div>	<b>Fleet Mix for Workers (CalEEMod Output)</b> <table border="0" style="margin-left: 20px;"> <tr> <td><b>MHD</b></td> <td><b>HHD</b></td> </tr> <tr> <td><div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">0%</div></td> <td><div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">100%</div></td> </tr> </table>	<b>MHD</b>	<b>HHD</b>	<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">0%</div>	<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">100%</div>
<b>LDA</b>	<b>LDT1</b>	<b>LDT2</b>										
<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">0.5</div>	<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">0.25</div>	<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">0.25</div>										
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<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">0%</div>	<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">100%</div>											
	And: <b>MPG Factors for each Vehicle Class - Year 2025 (EMFAC2021 Output)</b> <table border="0" style="margin-left: 20px;"> <tr> <td><b>LDA</b></td> <td><b>LDT1</b></td> <td><b>LDT2</b></td> </tr> <tr> <td><div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">30.690796</div></td> <td><div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">25.627118</div></td> <td><div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">25.050898</div></td> </tr> </table>	<b>LDA</b>	<b>LDT1</b>	<b>LDT2</b>	<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">30.690796</div>	<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">25.627118</div>	<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">25.050898</div>	<b>Diesel:</b> <table border="0" style="margin-left: 20px;"> <tr> <td><b>MHD</b></td> <td><b>HHD</b></td> </tr> <tr> <td><div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">9.043091</div></td> <td><div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">5.701975</div></td> </tr> </table>	<b>MHD</b>	<b>HHD</b>	<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">9.043091</div>	<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">5.701975</div>
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	Therefore: <b>Weighted Average Worker MPG Factor</b> <div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">28.0</div>	<b>Weighted Average Haul (Diesel) MPG Factor</b> <div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">5.7</div>										
Step 3:	Therefore: <div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">9.9</div> Worker daily gallons of gasoline											
Step 4:	<div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">271</div> # of Days (CalEEMod Output)	Therefore: <div style="background-color: #c8e6c9; padding: 2px; display: inline-block;">2</div> Haul daily gallons of diesel										
Result:	Therefore: <div style="background-color: #e1bee7; padding: 2px; display: inline-block;">2,684</div> Total gallons of gasoline	Therefore: <div style="background-color: #e1bee7; padding: 2px; display: inline-block;">570</div> Total gallons of diesel										

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

Step 1:	<b>Total Daily Worker Trips (CalEEMod Output)</b> 15	<b>Total Daily Haul Trips (CalEEMod Output)</b> -      5%      0										
	<b>Worker Trip Length (miles) (CalEEMod Output)</b> 18.5	<b>Haul Trip Length (miles) (CalEEMod Output)</b> 20										
	Therefore: <b>Average Worker Daily VMT:</b> 278	<b>Average Haul Daily VMT:</b> -										
Step 2:	Given: <b>Assumed Fleet Mix for Workers</b> (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15) <table border="0"> <tr> <td>LDA</td> <td>LDT1</td> <td>LDT2</td> </tr> <tr> <td>0.5</td> <td>0.25</td> <td>0.25</td> </tr> </table>	LDA	LDT1	LDT2	0.5	0.25	0.25	<b>Fleet Mix for Workers (CalEEMod Output)</b> <table border="0"> <tr> <td>MHD</td> <td>HHD</td> </tr> <tr> <td>0%</td> <td>100%</td> </tr> </table>	MHD	HHD	0%	100%
LDA	LDT1	LDT2										
0.5	0.25	0.25										
MHD	HHD											
0%	100%											
	And: <b>MPG Factors for each Vehicle Class - Year 2025 (EMFAC2021 Output)</b> <table border="0"> <tr> <td>LDA</td> <td>LDT1</td> <td>LDT2</td> </tr> <tr> <td>30.690796</td> <td>25.627118</td> <td>25.050898</td> </tr> </table>	LDA	LDT1	LDT2	30.690796	25.627118	25.050898	<b>Diesel:</b> <table border="0"> <tr> <td>MHD</td> <td>HHD</td> </tr> <tr> <td>9.043091</td> <td>5.701975</td> </tr> </table>	MHD	HHD	9.043091	5.701975
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30.690796	25.627118	25.050898										
MHD	HHD											
9.043091	5.701975											
	Therefore: <b>Weighted Average Worker MPG Factor</b> 28.0	<b>Weighted Average Haul (Diesel) MPG Factor</b> 5.7										
Step 3:	<b>Therefore:</b> 9.9 Worker daily gallons of gasoline											
Step 4:	271 # of Days (CalEEMod Output)	<b>Therefore:</b> - Haul daily gallons of diesel										
Result:	<b>Therefore:</b> 2,684 Total gallons of gasoline	<b>Therefore:</b> - Total gallons of diesel										

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

Step 1: **Total Daily Worker Trips (CalEEMod Output)**                      **Total Daily Vendor Trips (CalEEMod Output)**  
 474                      5%                      24                      71                      5%                      4

Note: Assumes 5% of Plan Area under construction at given point in time (on average) until buildout.

**Worker Trip Length (miles) (CalEEMod Output)**                      **Vendor Trip Length (miles) (CalEEMod Output)**  
 18.5                      10.2

Therefore:  
**Average Worker Daily VMT:**                      **Average Vendor Daily VMT:**  
 438                      36

Step 2: Given: **Assumed Fleet Mix for Workers** (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

<b>LDA</b>	<b>LDT1</b>	<b>LDT2</b>	<b>Fleet Mix for Workers (CalEEMod Output)</b>
0.5	0.25	0.25	<b>MHD</b> <b>HHD</b>
<b>Assumed Fleet Mix for Vendors</b>			0%                      100%

And:  
**MPG Factors for each Vehicle Class - Year 2026 (EMFAC2021 Output)**

<b>Gasoline:</b>			<b>Diesel:</b>	
<b>LDA</b>	<b>LDT1</b>	<b>LDT2</b>	<b>MHD</b>	<b>HHD</b>
30.6907958	25.62712	25.0509	9.043091399	5.701975

Therefore:  
**Weighted Average Worker (Gasoline) MPG Factor**                      **Weighted Average Vendor (Diesel) MPG Factor**  
 28.0                      5.7

Step 3: **Therefore:**                      **Therefore:**  
 16 Worker daily gallons of gasoline                      6 Vendor daily gallons of diesel

Step 4: 631 # of Days (CalEEMod Output)  
 Therefore: 9,876 Total gallons of gasoline                      4,007 Total gallons of diesel

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

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

474	5%	24	71	5%	4
-----	----	----	----	----	---

Note: Assumes 5% of Plan Area under construction at given point in time (on average) until buildout.

**Worker Trip Length (miles) (CalEEMod Output)**                      **Vendor Trip Length (miles) (CalEEMod Output)**  

18.5	10.2
------	------

Therefore:

**Average Worker Daily VMT:**  
**438**

**Average Vendor Daily VMT:**  
**36**

Step 2: Given: **Assumed Fleet Mix for Workers** (Percentage mix is provided on Appendix A: Calculation Details for CalEEMOD p. 15)

LDA	LDT1	LDT2
0.5	0.25	0.25

**Fleet Mix for Workers (CalEEMod Output)**

MHD	HHD
0%	100%

**Assumed Fleet Mix for Vendors**

And:

**MPG Factors for each Vehicle Class - Year 2026 (EMFAC2021 Output)**

**Gasoline:**

LDA	LDT1	LDT2
30.6907958	25.62712	25.0509

**Diesel:**

MHD	HHD
9.043091399	5.701975

Therefore:

**Weighted Average Worker (Gasoline) MPG Factor**  
**28.0**

**Weighted Average Vendor (Diesel) MPG Factor**  
**5.7**

Step 3: **Therefore:**  
**16 Worker daily gallons of gasoline**

**Therefore:**  
**6 Vendor daily gallons of diesel**

Step 4: **567 # of Days (CalEEMod Output)**

**Therefore:**  
**8,874 Total gallons of gasoline**

**Therefore:**  
**3,601 Total gallons of diesel**

# On-road Mobile (Construction) Energy Usage - Paving

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

15

**Worker Trip Length (miles) (CalEEMod Output)**

18.5

Therefore:

**Average Worker Daily VMT:**

278

Step 2: Given:

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

LDA	LDT1	LDT2
0.5	0.25	0.25

And:

**MPG Factors for each Vehicle Class - Year 2026 (EMFAC2021 Output)**

LDA	LDT1	LDT2
30.690796	25.627118	25.050898

Therefore:

**Weighted Average Worker MPG Factor**

28.0

Step 3: **Therefore:**

9.9 Worker daily gallons of gasoline

Step 4: 23 # of Days (CalEEMod Output)

Therefore:

**Result:** 228 Total gallons of gasoline

# On-road Mobile (Construction) Energy Usage - Architectural Coating

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

190	5%	10
-----	----	----

Note: Assumes 5% of Plan Area under construction at given point in time (on average) until buildout.

**Worker Trip Length (miles) (CalEEMod Output)**

18.5
------

Therefore:

**Average Worker Daily VMT:**

176
-----

Step 2: Given:

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

LDA	LDT1	LDT2
0.5	0.25	0.25

And:

**MPG Factors for each Vehicle Class - Year 2026 (EMFAC2021 Output)**

LDA	LDT1	LDT2
30.690796	25.627118	25.050898

Therefore:

**Weighted Average Worker MPG Factor**

28.0
------

Step 3: **Therefore:**

6.3 Worker daily gallons of gasoline
--------------------------------------

Step 4: **175 # of Days (CalEEMod Output)**

Therefore:

**Result: 1,098 Total gallons of gasoline**