

CalEEMod Results

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APPENDIX

Hecker Pass Subdivision Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Hecker Pass Subdivision
Construction Start Date	5/1/2026
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	36.4
Location	37.01130508240671, -121.61862156116909
County	Santa Clara
City	Gilroy
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1937
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	116	Dwelling Unit	12.3	218,154	392,909	0.00	347	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-9	Use Dust Suppressants
Construction	C-10-B	Water Active Demolition Sites
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Transportation	T-4	Integrate Affordable and Below Market Rate Housing

* 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.	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unmit.	57.5	44.5	1.64	9.42	1.51	4.66	13,407
Mit.	57.5	44.5	1.64	9.42	1.51	4.66	13,407
% Reduced	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	2.33	18.2	0.64	1.24	0.59	0.74	5,556
Mit.	2.33	18.2	0.64	1.24	0.59	0.74	5,556
% Reduced	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	9.59	9.58	0.38	1.80	0.34	0.91	2,752
Mit.	9.59	9.58	0.38	1.79	0.34	0.91	2,752
% Reduced	—	—	—	< 0.5%	—	< 0.5%	—
Annual (Max)	—	—	—	—	—	—	—

Unmit.	1.75	1.75	0.07	0.33	0.06	0.17	456
Mit.	1.75	1.75	0.07	0.33	0.06	0.17	456
% Reduced	—	—	—	< 0.5%	—	< 0.5%	—
Exceeds (Daily Max)	—	—	—	—	—	—	—
Threshold	54.0	54.0	82.0	—	54.0	—	—
Unmit.	Yes	No	No	—	No	—	—
Mit.	Yes	No	No	—	No	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—
Threshold	54.0	54.0	82.0	—	54.0	—	—
Unmit.	No	No	No	—	No	—	—
Mit.	No	No	No	—	No	—	—

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—
2026	26.3	44.5	1.64	9.42	1.51	4.66	13,407
2027	57.5	11.9	0.30	0.85	0.28	0.41	3,269
2028	1.33	9.66	0.22	0.69	0.20	0.31	2,853
2029	1.28	9.44	0.19	0.67	0.17	0.29	2,837
Daily - Winter (Max)	—	—	—	—	—	—	—
2026	0.29	2.28	0.09	0.13	0.08	0.09	937
2027	2.33	18.2	0.64	1.24	0.59	0.74	5,556
2028	1.33	9.71	0.22	0.69	0.20	0.31	2,827
2029	1.28	9.47	0.19	0.67	0.17	0.29	2,812
Average Daily	—	—	—	—	—	—	—
2026	2.30	9.58	0.38	1.80	0.34	0.91	2,752

2027	9.59	8.70	0.25	0.61	0.23	0.32	2,502
2028	0.95	6.94	0.16	0.49	0.14	0.22	2,028
2029	0.88	6.50	0.13	0.45	0.12	0.20	1,902
Annual	—	—	—	—	—	—	—
2026	0.42	1.75	0.07	0.33	0.06	0.17	456
2027	1.75	1.59	0.05	0.11	0.04	0.06	414
2028	0.17	1.27	0.03	0.09	0.03	0.04	336
2029	0.16	1.19	0.02	0.08	0.02	0.04	315

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—
2026	26.3	44.5	1.64	9.42	1.51	4.66	13,407
2027	57.5	11.9	0.30	0.85	0.28	0.41	3,269
2028	1.33	9.66	0.22	0.69	0.20	0.31	2,853
2029	1.28	9.44	0.19	0.67	0.17	0.29	2,837
Daily - Winter (Max)	—	—	—	—	—	—	—
2026	0.29	2.28	0.09	0.13	0.08	0.09	937
2027	2.33	18.2	0.64	1.24	0.59	0.74	5,556
2028	1.33	9.71	0.22	0.69	0.20	0.31	2,827
2029	1.28	9.47	0.19	0.67	0.17	0.29	2,812
Average Daily	—	—	—	—	—	—	—
2026	2.30	9.58	0.38	1.79	0.34	0.91	2,752
2027	9.59	8.70	0.25	0.61	0.23	0.32	2,502
2028	0.95	6.94	0.16	0.49	0.14	0.22	2,028
2029	0.88	6.50	0.13	0.45	0.12	0.20	1,902
Annual	—	—	—	—	—	—	—

2026	0.42	1.75	0.07	0.33	0.06	0.17	456
2027	1.75	1.59	0.05	0.11	0.04	0.06	414
2028	0.17	1.27	0.03	0.09	0.03	0.04	336
2029	0.16	1.19	0.02	0.08	0.02	0.04	315

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.	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unmit.	9.52	4.43	0.19	9.54	0.19	2.56	12,348
Mit.	9.52	4.43	0.19	9.54	0.19	2.56	12,348
% Reduced	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	8.82	4.82	0.19	9.53	0.19	2.55	11,756
Mit.	8.82	4.82	0.19	9.53	0.19	2.55	11,756
% Reduced	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	9.04	4.29	0.16	9.29	0.16	2.47	11,370
Mit.	9.04	4.29	0.16	9.29	0.16	2.47	11,370
% Reduced	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—
Unmit.	1.65	0.78	0.03	1.69	0.03	0.45	1,882
Mit.	1.65	0.78	0.03	1.69	0.03	0.45	1,882
% Reduced	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—
Threshold	54.0	54.0	—	82.0	—	54.0	—
Unmit.	No	No	—	No	—	No	—
Mit.	No	No	—	No	—	No	—

Exceeds (Average Daily)	—	—	—	—	—	—	—
Threshold	54.0	54.0	—	82.0	—	54.0	—
Unmit.	No	No	—	No	—	No	—
Mit.	No	No	—	No	—	No	—
Exceeds (Annual)	—	—	—	—	—	—	—
Threshold	10.0	10.0	—	15.0	—	10.0	—
Unmit.	No	No	—	No	—	No	—
Mit.	No	No	—	No	—	No	—

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Mobile	3.33	2.63	0.05	9.39	0.05	2.41	9,489
Area	6.10	0.45	0.03	0.03	0.03	0.03	507
Energy	0.08	1.35	0.11	0.11	0.11	0.11	2,128
Water	—	—	—	—	—	—	52.2
Waste	—	—	—	—	—	—	171
Refrig.	—	—	—	—	—	—	1.56
Total	9.52	4.43	0.19	9.54	0.19	2.56	12,348
Daily, Winter (Max)	—	—	—	—	—	—	—
Mobile	3.21	3.08	0.05	9.39	0.05	2.41	8,914
Area	5.53	0.38	0.03	0.03	0.03	0.03	489
Energy	0.08	1.35	0.11	0.11	0.11	0.11	2,128
Water	—	—	—	—	—	—	52.2
Waste	—	—	—	—	—	—	171
Refrig.	—	—	—	—	—	—	1.56

Total	8.82	4.82	0.19	9.53	0.19	2.55	11,756
Average Daily	—	—	—	—	—	—	—
Mobile	3.17	2.90	0.05	9.17	0.05	2.36	8,997
Area	5.79	0.04	< 0.005	< 0.005	< 0.005	< 0.005	20.8
Energy	0.08	1.35	0.11	0.11	0.11	0.11	2,128
Water	—	—	—	—	—	—	52.2
Waste	—	—	—	—	—	—	171
Refrig.	—	—	—	—	—	—	1.56
Total	9.04	4.29	0.16	9.29	0.16	2.47	11,370
Annual	—	—	—	—	—	—	—
Mobile	0.58	0.53	0.01	1.67	0.01	0.43	1,490
Area	1.06	0.01	< 0.005	< 0.005	< 0.005	< 0.005	3.44
Energy	0.01	0.25	0.02	0.02	0.02	0.02	352
Water	—	—	—	—	—	—	8.64
Waste	—	—	—	—	—	—	28.3
Refrig.	—	—	—	—	—	—	0.26
Total	1.65	0.78	0.03	1.69	0.03	0.45	1,882

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Mobile	3.33	2.63	0.05	9.39	0.05	2.41	9,489
Area	6.10	0.45	0.03	0.03	0.03	0.03	507
Energy	0.08	1.35	0.11	0.11	0.11	0.11	2,128
Water	—	—	—	—	—	—	52.2
Waste	—	—	—	—	—	—	171
Refrig.	—	—	—	—	—	—	1.56

Total	9.52	4.43	0.19	9.54	0.19	2.56	12,348
Daily, Winter (Max)	—	—	—	—	—	—	—
Mobile	3.21	3.08	0.05	9.39	0.05	2.41	8,914
Area	5.53	0.38	0.03	0.03	0.03	0.03	489
Energy	0.08	1.35	0.11	0.11	0.11	0.11	2,128
Water	—	—	—	—	—	—	52.2
Waste	—	—	—	—	—	—	171
Refrig.	—	—	—	—	—	—	1.56
Total	8.82	4.82	0.19	9.53	0.19	2.55	11,756
Average Daily	—	—	—	—	—	—	—
Mobile	3.17	2.90	0.05	9.17	0.05	2.36	8,997
Area	5.79	0.04	< 0.005	< 0.005	< 0.005	< 0.005	20.8
Energy	0.08	1.35	0.11	0.11	0.11	0.11	2,128
Water	—	—	—	—	—	—	52.2
Waste	—	—	—	—	—	—	171
Refrig.	—	—	—	—	—	—	1.56
Total	9.04	4.29	0.16	9.29	0.16	2.47	11,370
Annual	—	—	—	—	—	—	—
Mobile	0.58	0.53	0.01	1.67	0.01	0.43	1,490
Area	1.06	0.01	< 0.005	< 0.005	< 0.005	< 0.005	3.44
Energy	0.01	0.25	0.02	0.02	0.02	0.02	352
Water	—	—	—	—	—	—	8.64
Waste	—	—	—	—	—	—	28.3
Refrig.	—	—	—	—	—	—	0.26
Total	1.65	0.78	0.03	1.69	0.03	0.45	1,882

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	1.10	11.1	0.48	0.48	0.45	0.45	1,821
Demolition	—	—	—	0.36	—	0.06	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.61	0.03	0.03	0.02	0.02	99.8
Demolition	—	—	—	0.02	—	< 0.005	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	< 0.005	< 0.005	< 0.005	< 0.005	16.5
Demolition	—	—	—	< 0.005	—	< 0.005	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.02	0.02	0.00	0.06	0.00	0.01	64.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.38	< 0.005	0.08	< 0.005	0.03	321
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	< 0.005	0.00	< 0.005	3.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	17.6
Annual	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.00	< 0.005	0.00	< 0.005	0.54
Vendor	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	2.91

3.2. Demolition (2026) - Mitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	1.10	11.1	0.48	0.48	0.45	0.45	1,821
Demolition	—	—	—	0.23	—	0.04	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.61	0.03	0.03	0.02	0.02	99.8
Demolition	—	—	—	0.01	—	< 0.005	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	< 0.005	< 0.005	< 0.005	< 0.005	16.5
Demolition	—	—	—	< 0.005	—	< 0.005	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.02	0.02	0.00	0.06	0.00	0.01	64.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.38	< 0.005	0.08	< 0.005	0.03	321
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.00	< 0.005	0.00	< 0.005	3.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	17.6
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	< 0.005	0.00	< 0.005	0.54
Vendor	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	2.91

3.3. Site Preparation (2026) - Unmitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	26.2	10.5	0.76	0.76	0.65	0.65	1,306
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	1.44	0.58	0.04	0.04	0.04	0.04	71.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.11	0.01	0.01	0.01	0.01	11.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.05	0.03	0.00	0.12	0.00	0.03	128
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	0.01	0.00	< 0.005	6.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	< 0.005	0.00	< 0.005	1.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2026) - Mitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	26.2	10.5	0.76	0.76	0.65	0.65	1,306
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	1.44	0.58	0.04	0.04	0.04	0.04	71.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.11	0.01	0.01	0.01	0.01	11.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.05	0.03	0.00	0.12	0.00	0.03	128
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	0.01	0.00	< 0.005	6.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	< 0.005	0.00	< 0.005	1.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2026) - Unmitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	4.02	38.8	1.58	1.58	1.46	1.46	8,372
Dust From Material Movement	—	—	—	6.36	—	2.76	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.72	6.91	0.28	0.28	0.26	0.26	1,491
Dust From Material Movement	—	—	—	1.13	—	0.49	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.26	0.05	0.05	0.05	0.05	247
Dust From Material Movement	—	—	—	0.21	—	0.09	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.08	0.05	0.00	0.21	0.00	0.05	213
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	5.64	0.06	1.27	0.06	0.39	4,821
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	35.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.04	0.01	0.22	0.01	0.07	858
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	0.01	0.00	< 0.005	5.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.19	< 0.005	0.04	< 0.005	0.01	142

3.6. Grading (2026) - Mitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	4.02	38.8	1.58	1.58	1.46	1.46	8,372
Dust From Material Movement	—	—	—	6.36	—	2.76	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.72	6.91	0.28	0.28	0.26	0.26	1,491

Dust From Material Movement	—	—	—	1.13	—	0.49	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.26	0.05	0.05	0.05	0.05	247
Dust From Material Movement	—	—	—	0.21	—	0.09	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.08	0.05	0.00	0.21	0.00	0.05	213
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	5.64	0.06	1.27	0.06	0.39	4,821
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	35.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.04	0.01	0.22	0.01	0.07	858
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	0.01	0.00	< 0.005	5.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.19	< 0.005	0.04	< 0.005	0.01	142

3.7. Building Exterior (2027) - Unmitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	1.00	7.42	0.17	0.17	0.16	0.16	1,245

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	1.00	7.42	0.17	0.17	0.16	0.16	1,245
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.71	5.30	0.12	0.12	0.11	0.11	889
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.97	0.02	0.02	0.02	0.02	147
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.12	0.09	0.00	0.35	0.00	0.08	350
Vendor	0.01	0.39	< 0.005	0.09	< 0.005	0.03	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.11	0.10	0.00	0.35	0.00	0.08	324
Vendor	0.01	0.41	< 0.005	0.09	< 0.005	0.03	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.08	0.07	0.00	0.24	0.00	0.06	234
Vendor	0.01	0.29	< 0.005	0.06	< 0.005	0.02	241
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	38.7
Vendor	< 0.005	0.05	< 0.005	0.01	< 0.005	< 0.005	39.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Exterior (2027) - Mitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	1.00	7.42	0.17	0.17	0.16	0.16	1,245
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	1.00	7.42	0.17	0.17	0.16	0.16	1,245
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.71	5.30	0.12	0.12	0.11	0.11	889
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.97	0.02	0.02	0.02	0.02	147
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.12	0.09	0.00	0.35	0.00	0.08	350
Vendor	0.01	0.39	< 0.005	0.09	< 0.005	0.03	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.11	0.10	0.00	0.35	0.00	0.08	324
Vendor	0.01	0.41	< 0.005	0.09	< 0.005	0.03	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.08	0.07	0.00	0.24	0.00	0.06	234
Vendor	0.01	0.29	< 0.005	0.06	< 0.005	0.02	241

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	38.7
Vendor	< 0.005	0.05	< 0.005	0.01	< 0.005	< 0.005	39.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Exterior (2028) - Unmitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.94	7.21	0.14	0.14	0.13	0.13	1,245
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.94	7.21	0.14	0.14	0.13	0.13	1,245
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.68	5.16	0.10	0.10	0.09	0.09	892
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.94	0.02	0.02	0.02	0.02	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.11	0.08	0.00	0.35	0.00	0.08	341
Vendor	0.01	0.37	< 0.005	0.09	< 0.005	0.03	329
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—

Worker	0.11	0.10	0.00	0.35	0.00	0.08	318
Vendor	0.01	0.39	< 0.005	0.09	< 0.005	0.03	328
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.08	0.06	0.00	0.24	0.00	0.06	231
Vendor	0.01	0.27	< 0.005	0.06	< 0.005	0.02	235
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	38.2
Vendor	< 0.005	0.05	< 0.005	0.01	< 0.005	< 0.005	39.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Exterior (2028) - Mitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.94	7.21	0.14	0.14	0.13	0.13	1,245
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.94	7.21	0.14	0.14	0.13	0.13	1,245
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.68	5.16	0.10	0.10	0.09	0.09	892
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.94	0.02	0.02	0.02	0.02	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.11	0.08	0.00	0.35	0.00	0.08	341
Vendor	0.01	0.37	< 0.005	0.09	< 0.005	0.03	329
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.11	0.10	0.00	0.35	0.00	0.08	318
Vendor	0.01	0.39	< 0.005	0.09	< 0.005	0.03	328
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.08	0.06	0.00	0.24	0.00	0.06	231
Vendor	0.01	0.27	< 0.005	0.06	< 0.005	0.02	235
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	38.2
Vendor	< 0.005	0.05	< 0.005	0.01	< 0.005	< 0.005	39.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Exterior (2029) - Unmitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.90	7.08	0.12	0.12	0.11	0.11	1,245
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.90	7.08	0.12	0.12	0.11	0.11	1,245
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.64	5.00	0.08	0.08	0.08	0.08	879
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.91	0.02	0.02	0.01	0.01	146
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.11	0.08	0.00	0.35	0.00	0.08	335
Vendor	0.01	0.35	< 0.005	0.09	< 0.005	0.03	320
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.10	0.09	0.00	0.35	0.00	0.08	313
Vendor	0.01	0.37	< 0.005	0.09	< 0.005	0.03	320
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.07	0.05	0.00	0.24	0.00	0.06	224
Vendor	0.01	0.26	< 0.005	0.06	< 0.005	0.02	226
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	37.0
Vendor	< 0.005	0.05	< 0.005	0.01	< 0.005	< 0.005	37.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Exterior (2029) - Mitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.90	7.08	0.12	0.12	0.11	0.11	1,245
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.90	7.08	0.12	0.12	0.11	0.11	1,245
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.64	5.00	0.08	0.08	0.08	0.08	879
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.91	0.02	0.02	0.01	0.01	146
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.11	0.08	0.00	0.35	0.00	0.08	335
Vendor	0.01	0.35	< 0.005	0.09	< 0.005	0.03	320
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.10	0.09	0.00	0.35	0.00	0.08	313
Vendor	0.01	0.37	< 0.005	0.09	< 0.005	0.03	320
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.07	0.05	0.00	0.24	0.00	0.06	224
Vendor	0.01	0.26	< 0.005	0.06	< 0.005	0.02	226
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	37.0
Vendor	< 0.005	0.05	< 0.005	0.01	< 0.005	< 0.005	37.4

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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3.13. Paving (2027) - Unmitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.90	8.14	0.38	0.38	0.35	0.35	2,598
Paving	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.23	0.06	0.06	0.05	0.05	391
Paving	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.22	0.01	0.01	0.01	0.01	64.8
Paving	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.04	0.04	0.00	0.12	0.00	0.03	116
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.02	0.00	< 0.005	17.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	< 0.005	0.00	< 0.005	2.94
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2027) - Mitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.90	8.14	0.38	0.38	0.35	0.35	2,598
Paving	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.23	0.06	0.06	0.05	0.05	391
Paving	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.22	0.01	0.01	0.01	0.01	64.8
Paving	0.00	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.04	0.04	0.00	0.12	0.00	0.03	116
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.02	0.00	< 0.005	17.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	< 0.005	0.00	< 0.005	2.94
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Interior (2027) - Unmitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.25	1.88	0.04	0.04	0.04	0.04	327
Architectural Coatings	55.9	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.28	0.01	0.01	0.01	0.01	49.3
Architectural Coatings	8.42	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	< 0.005	< 0.005	< 0.005	< 0.005	8.17
Architectural Coatings	1.54	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.02	0.02	0.00	0.07	0.00	0.02	70.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	0.01	0.00	< 0.005	9.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	< 0.005	0.00	< 0.005	1.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Interior (2027) - Mitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.25	1.88	0.04	0.04	0.04	0.04	327
Architectural Coatings	55.9	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.28	0.01	0.01	0.01	0.01	49.3
Architectural Coatings	8.42	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.05	< 0.005	< 0.005	< 0.005	< 0.005	8.17
Architectural Coatings	1.54	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.02	0.02	0.00	0.07	0.00	0.02	70.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	0.01	0.00	< 0.005	9.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	< 0.005	0.00	< 0.005	1.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Foundation (2026) - Unmitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.26	0.09	0.09	0.08	0.08	897
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.41	0.02	0.02	0.02	0.02	162

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	< 0.005	< 0.005	< 0.005	< 0.005	26.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	39.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	0.01	0.00	< 0.005	7.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	< 0.005	0.00	< 0.005	1.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Foundation (2026) - Mitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.26	0.09	0.09	0.08	0.08	897
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.41	0.02	0.02	0.02	0.02	162
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	< 0.005	< 0.005	< 0.005	< 0.005	26.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	39.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	0.01	0.00	< 0.005	7.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	< 0.005	0.00	< 0.005	1.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Foundation (2027) - Unmitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.12	0.08	0.08	0.08	0.08	897
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—

Off-Road Equipment	0.26	2.12	0.08	0.08	0.08	0.08	897
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.52	0.06	0.06	0.05	0.05	641
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.28	0.01	0.01	0.01	0.01	106
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	41.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	38.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.03	0.00	0.01	28.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	0.01	0.00	< 0.005	4.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Foundation (2027) - Mitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.12	0.08	0.08	0.08	0.08	897
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.12	0.08	0.08	0.08	0.08	897
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.52	0.06	0.06	0.05	0.05	641
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.28	0.01	0.01	0.01	0.01	106
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	41.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	38.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.03	0.00	0.01	28.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.00	0.01	0.00	< 0.005	4.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Foundation (2028) - Unmitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.25	1.99	0.07	0.07	0.07	0.07	898
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.25	1.99	0.07	0.07	0.07	0.07	898
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.18	1.43	0.05	0.05	0.05	0.05	643
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.26	0.01	0.01	0.01	0.01	106
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	40.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	38.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.03	0.00	0.01	27.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	0.01	0.00	< 0.005	4.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Foundation (2028) - Mitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.25	1.99	0.07	0.07	0.07	0.07	898
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.25	1.99	0.07	0.07	0.07	0.07	898
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.18	1.43	0.05	0.05	0.05	0.05	643
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.26	0.01	0.01	0.01	0.01	106
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—

Worker	0.01	0.01	0.00	0.04	0.00	0.01	40.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	38.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.03	0.00	0.01	27.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	0.01	0.00	< 0.005	4.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Foundation (2029) - Unmitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.25	1.92	0.07	0.07	0.06	0.06	897
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.25	1.92	0.07	0.07	0.06	0.06	897
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.17	0.04	0.04	0.04	0.04	550

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.21	0.01	0.01	0.01	0.01	91.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	40.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	37.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.02	0.00	0.01	23.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	< 0.005	0.00	< 0.005	3.84
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.24. Foundation (2029) - Mitigated

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

Location	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.25	1.92	0.07	0.07	0.06	0.06	897

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.25	1.92	0.07	0.07	0.06	0.06	897
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.17	0.04	0.04	0.04	0.04	550
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.21	0.01	0.01	0.01	0.01	91.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	40.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.04	0.00	0.01	37.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.01	0.01	0.00	0.02	0.00	0.01	23.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.00	< 0.005	0.00	< 0.005	3.84
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Single Family Housing	3.33	2.63	0.05	9.39	0.05	2.41	9,489
Total	3.33	2.63	0.05	9.39	0.05	2.41	9,489
Daily, Winter (Max)	—	—	—	—	—	—	—
Single Family Housing	3.21	3.08	0.05	9.39	0.05	2.41	8,914
Total	3.21	3.08	0.05	9.39	0.05	2.41	8,914
Annual	—	—	—	—	—	—	—
Single Family Housing	0.58	0.53	0.01	1.67	0.01	0.43	1,490
Total	0.58	0.53	0.01	1.67	0.01	0.43	1,490

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Single Family Housing	3.33	2.63	0.05	9.39	0.05	2.41	9,489
Total	3.33	2.63	0.05	9.39	0.05	2.41	9,489
Daily, Winter (Max)	—	—	—	—	—	—	—
Single Family Housing	3.21	3.08	0.05	9.39	0.05	2.41	8,914
Total	3.21	3.08	0.05	9.39	0.05	2.41	8,914
Annual	—	—	—	—	—	—	—
Single Family Housing	0.58	0.53	0.01	1.67	0.01	0.43	1,490

Total	0.58	0.53	0.01	1.67	0.01	0.43	1,490
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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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	405
Total	—	—	—	—	—	—	405
Daily, Winter (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	405
Total	—	—	—	—	—	—	405
Annual	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	67.0
Total	—	—	—	—	—	—	67.0

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	405
Total	—	—	—	—	—	—	405
Daily, Winter (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	405
Total	—	—	—	—	—	—	405
Annual	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	67.0

Total	—	—	—	—	—	—	67.0
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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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Single Family Housing	0.08	1.35	0.11	0.11	0.11	0.11	1,723
Total	0.08	1.35	0.11	0.11	0.11	0.11	1,723
Daily, Winter (Max)	—	—	—	—	—	—	—
Single Family Housing	0.08	1.35	0.11	0.11	0.11	0.11	1,723
Total	0.08	1.35	0.11	0.11	0.11	0.11	1,723
Annual	—	—	—	—	—	—	—
Single Family Housing	0.01	0.25	0.02	0.02	0.02	0.02	285
Total	0.01	0.25	0.02	0.02	0.02	0.02	285

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Single Family Housing	0.08	1.35	0.11	0.11	0.11	0.11	1,723
Total	0.08	1.35	0.11	0.11	0.11	0.11	1,723
Daily, Winter (Max)	—	—	—	—	—	—	—
Single Family Housing	0.08	1.35	0.11	0.11	0.11	0.11	1,723
Total	0.08	1.35	0.11	0.11	0.11	0.11	1,723
Annual	—	—	—	—	—	—	—
Single Family Housing	0.01	0.25	0.02	0.02	0.02	0.02	285
Total	0.01	0.25	0.02	0.02	0.02	0.02	285

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Hearths	0.02	0.38	0.03	0.03	0.03	0.03	489
Consumer Products	4.67	—	—	—	—	—	—
Architectural Coatings	0.84	—	—	—	—	—	—
Landscape Equipment	0.57	0.06	< 0.005	< 0.005	< 0.005	< 0.005	17.7
Total	6.10	0.45	0.03	0.03	0.03	0.03	507
Daily, Winter (Max)	—	—	—	—	—	—	—
Hearths	0.02	0.38	0.03	0.03	0.03	0.03	489
Consumer Products	4.67	—	—	—	—	—	—
Architectural Coatings	0.84	—	—	—	—	—	—
Total	5.53	0.38	0.03	0.03	0.03	0.03	489
Annual	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	2.00
Consumer Products	0.85	—	—	—	—	—	—
Architectural Coatings	0.15	—	—	—	—	—	—
Landscape Equipment	0.05	0.01	< 0.005	< 0.005	< 0.005	< 0.005	1.44
Total	1.06	0.01	< 0.005	< 0.005	< 0.005	< 0.005	3.44

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Hearths	0.02	0.38	0.03	0.03	0.03	0.03	489

Consumer Products	4.67	—	—	—	—	—	—
Architectural Coatings	0.84	—	—	—	—	—	—
Landscape Equipment	0.57	0.06	< 0.005	< 0.005	< 0.005	< 0.005	17.7
Total	6.10	0.45	0.03	0.03	0.03	0.03	507
Daily, Winter (Max)	—	—	—	—	—	—	—
Hearths	0.02	0.38	0.03	0.03	0.03	0.03	489
Consumer Products	4.67	—	—	—	—	—	—
Architectural Coatings	0.84	—	—	—	—	—	—
Total	5.53	0.38	0.03	0.03	0.03	0.03	489
Annual	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	2.00
Consumer Products	0.85	—	—	—	—	—	—
Architectural Coatings	0.15	—	—	—	—	—	—
Landscape Equipment	0.05	0.01	< 0.005	< 0.005	< 0.005	< 0.005	1.44
Total	1.06	0.01	< 0.005	< 0.005	< 0.005	< 0.005	3.44

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	52.2
Total	—	—	—	—	—	—	52.2
Daily, Winter (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	52.2
Total	—	—	—	—	—	—	52.2
Annual	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	8.64
Total	—	—	—	—	—	—	8.64

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	52.2
Total	—	—	—	—	—	—	52.2
Daily, Winter (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	52.2
Total	—	—	—	—	—	—	52.2
Annual	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	8.64
Total	—	—	—	—	—	—	8.64

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	171
Total	—	—	—	—	—	—	171
Daily, Winter (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	171
Total	—	—	—	—	—	—	171
Annual	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	28.3
Total	—	—	—	—	—	—	28.3

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	171
Total	—	—	—	—	—	—	171
Daily, Winter (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	171
Total	—	—	—	—	—	—	171
Annual	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	28.3
Total	—	—	—	—	—	—	28.3

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	1.56
Total	—	—	—	—	—	—	1.56
Daily, Winter (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	1.56
Total	—	—	—	—	—	—	1.56
Annual	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	0.26
Total	—	—	—	—	—	—	0.26

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	1.56
Total	—	—	—	—	—	—	1.56
Daily, Winter (Max)	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	1.56
Total	—	—	—	—	—	—	1.56
Annual	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	0.26
Total	—	—	—	—	—	—	0.26

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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	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	ROG	NOx	PM10E	PM10T	PM2.5E	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	5/1/2026	5/28/2026	5.00	20.0	—
Site Preparation	Site Preparation	6/1/2026	6/26/2026	5.00	20.0	—
Grading	Grading	7/1/2026	9/29/2026	5.00	65.0	—
Building Exterior	Building Construction	1/1/2027	12/27/2029	5.00	780	—
Paving	Paving	1/1/2027	3/18/2027	5.00	55.0	—
Building Interior	Architectural Coating	6/1/2027	8/16/2027	5.00	55.0	—
Foundation	Trenching	10/1/2026	11/9/2029	5.00	812	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	247	0.40
Demolition	Excavators	Diesel	Average	1.00	8.00	158	0.38
Demolition	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	97.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	8.00	247	0.40
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	97.0	0.37
Site Preparation	Concrete/Industrial Saws	Gasoline	Average	4.00	8.00	4.00	0.37
Grading	Graders	Diesel	Average	2.00	8.00	187	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	158	0.38
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	97.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	367	0.48
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	247	0.40
Building Exterior	Forklifts	Diesel	Average	1.00	1.50	89.0	0.20
Building Exterior	Tractors/Loaders/Back hoes	Diesel	Average	2.00	1.00	97.0	0.37
Building Exterior	Air Compressors	Diesel	Average	3.00	8.00	78.0	0.48
Paving	Pavers	Diesel	Average	2.00	8.00	130	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	132	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	97.0	0.38
Building Interior	Air Compressors	Diesel	Average	1.00	6.00	78.0	0.48
Building Interior	Aerial Lifts	Diesel	Average	1.00	2.00	62.0	0.31
Foundation	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	97.0	0.37
Foundation	Excavators	Diesel	Average	1.00	8.00	158	0.38

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	247	0.40
Demolition	Excavators	Diesel	Average	1.00	8.00	158	0.38
Demolition	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	97.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	8.00	247	0.40
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	97.0	0.37
Site Preparation	Concrete/Industrial Saws	Gasoline	Average	4.00	8.00	4.00	0.37
Grading	Graders	Diesel	Average	2.00	8.00	187	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	158	0.38
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	97.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	367	0.48
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	247	0.40
Building Exterior	Forklifts	Diesel	Average	1.00	1.50	89.0	0.20
Building Exterior	Tractors/Loaders/Back hoes	Diesel	Average	2.00	1.00	97.0	0.37
Building Exterior	Air Compressors	Diesel	Average	3.00	8.00	78.0	0.48
Paving	Pavers	Diesel	Average	2.00	8.00	130	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	132	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	97.0	0.38
Building Interior	Air Compressors	Diesel	Average	1.00	6.00	78.0	0.48
Building Interior	Aerial Lifts	Diesel	Average	1.00	2.00	62.0	0.31
Foundation	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	97.0	0.37
Foundation	Excavators	Diesel	Average	1.00	8.00	158	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	4.35	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	15.0	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	25.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	65.3	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Foundation	—	—	—	—
Foundation	Worker	5.00	11.7	LDA,LDT1,LDT2
Foundation	Vendor	—	8.40	HHDT,MHDT
Foundation	Hauling	0.00	20.0	HHDT
Foundation	Onsite truck	—	—	HHDT
Building Exterior	—	—	—	—
Building Exterior	Worker	41.8	11.7	LDA,LDT1,LDT2
Building Exterior	Vendor	12.4	8.40	HHDT,MHDT
Building Exterior	Hauling	0.00	20.0	HHDT
Building Exterior	Onsite truck	—	—	HHDT
Building Interior	—	—	—	—

Building Interior	Worker	8.35	11.7	LDA,LDT1,LDT2
Building Interior	Vendor	—	8.40	HHDT,MHDT
Building Interior	Hauling	0.00	20.0	HHDT
Building Interior	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	—	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	7.50	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	4.35	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	15.0	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	25.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	65.3	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Foundation	—	—	—	—

Foundation	Worker	5.00	11.7	LDA,LDT1,LDT2
Foundation	Vendor	—	8.40	HHDT,MHDT
Foundation	Hauling	0.00	20.0	HHDT
Foundation	Onsite truck	—	—	HHDT
Building Exterior	—	—	—	—
Building Exterior	Worker	41.8	11.7	LDA,LDT1,LDT2
Building Exterior	Vendor	12.4	8.40	HHDT,MHDT
Building Exterior	Hauling	0.00	20.0	HHDT
Building Exterior	Onsite truck	—	—	HHDT
Building Interior	—	—	—	—
Building Interior	Worker	8.35	11.7	LDA,LDT1,LDT2
Building Interior	Vendor	—	8.40	HHDT,MHDT
Building Interior	Hauling	0.00	20.0	HHDT
Building Interior	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	—	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT

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)
Building Interior	441,762	147,254	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	7,490	—
Grading	5,811	28,137	260	0.00	—
Paving	0.00	0.00	0.00	0.00	1.28

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	1.28	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	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005
2028	0.00	204	0.03	< 0.005
2029	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	1,157	1,157	1,157	422,172	13,249	13,249	13,249	4,835,998

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	1,157	1,157	1,157	422,172	13,249	13,249	13,249	4,835,998

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	23
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	93
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	23
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	93
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
441761.85	147,254	0.00	0.00	—

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	717,443	204	0.0330	0.0040	5,361,743

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)
Single Family Housing	717,443	204	0.0330	0.0040	5,361,743

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	4,206,902	5,133,780

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	4,206,902	5,133,780

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	90.6	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	90.6	—

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
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

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	12.6	annual days of extreme heat
Extreme Precipitation	7.05	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	20.5	annual hectares burned

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

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	2	0	0	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	N/A	N/A	N/A	N/A
Extreme Precipitation	2	1	1	3
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	24.9
AQ-PM	4.29
AQ-DPM	0.88
Drinking Water	63.5
Lead Risk Housing	9.89
Pesticides	70.5
Toxic Releases	14.7
Traffic	7.49
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	22.1
Haz Waste Facilities/Generators	0.00
Impaired Water Bodies	83.0
Solid Waste	35.7
Sensitive Population	—
Asthma	33.0

Cardio-vascular	33.3
Low Birth Weights	47.1
Socioeconomic Factor Indicators	—
Education	7.82
Housing	29.2
Linguistic	9.46
Poverty	9.46
Unemployment	11.9

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	78.94264083
Employed	52.68831002
Median HI	92.67291159
Education	—
Bachelor's or higher	78.36519954
High school enrollment	100
Preschool enrollment	17.00243809
Transportation	—
Auto Access	88.68215065
Active commuting	53.11176697
Social	—
2-parent households	92.73707173
Voting	96.88181702
Neighborhood	—
Alcohol availability	92.04414218

Park access	17.45155909
Retail density	2.797382266
Supermarket access	9.649685615
Tree canopy	96.20171949
Housing	—
Homeownership	92.00564609
Housing habitability	92.26228667
Low-inc homeowner severe housing cost burden	68.95932247
Low-inc renter severe housing cost burden	89.18259977
Uncrowded housing	71.88502502
Health Outcomes	—
Insured adults	89.15693571
Arthritis	0.0
Asthma ER Admissions	58.3
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	73.2
Cognitively Disabled	78.9
Physically Disabled	86.7
Heart Attack ER Admissions	62.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	53.7

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	44.4
SLR Inundation Area	0.0
Children	84.9
Elderly	18.2
English Speaking	88.9
Foreign-born	13.5
Outdoor Workers	52.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.6
Traffic Density	6.7
Traffic Access	23.0
Other Indices	—
Hardship	17.6
Other Decision Support	—
2016 Voting	92.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	9.00
Healthy Places Index Score for Project Location (b)	87.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No

Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Adjusted to match project plans dated 02/15/2024
Construction: Construction Phases	Adjusted to match construction schedule on the data request form provided by the applicant.
Construction: Off-Road Equipment	Adjusted to match construction data form provided by the applicant.
Construction: Dust From Material Movement	Adjusted to match construction data form provided by the applicant.
Operations: Vehicle Data	Trip rate adjusted to match traffic analysis
Operations: Water and Waste Water	No septic