

APPENDIX A-1

AIR QUALITY, GREENHOUSE GAS, AND ENERGY CALEMOD WORKSHEET

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Victorville Police Department and Civic Park Custom Report

Table of Contents

1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
2. Emissions Summary
 - 2.1. Construction Emissions Compared Against Thresholds
 - 2.2. Construction Emissions by Year
 - 2.2.1. Total Construction Emissions by Year, Unmitigated
 - 2.2.2. Onsite Construction Emissions by Year, Unmitigated
 - 2.2.3. Offsite Construction Emissions by Year, Unmitigated
 - 2.3. Operations Emissions Compared Against Thresholds
 - 2.4. Operations Emissions by Sector, Unmitigated
3. Construction Emissions Details
 - 3.1. Site Preparation (2026)
 - 3.1.1. Onsite - Unmitigated

3.1.2. Offsite - Unmitigated

3.2. Grading (2026)

3.2.1. Onsite - Unmitigated

3.2.2. Offsite - Unmitigated

3.3. Grading (2027)

3.3.1. Onsite - Unmitigated

3.3.2. Offsite - Unmitigated

3.4. Building Construction (2027)

3.4.1. Onsite - Unmitigated

3.4.2. Offsite - Unmitigated

3.5. Building Construction (2028)

3.5.1. Onsite - Unmitigated

3.5.2. Offsite - Unmitigated

3.6. Paving (2028)

3.6.1. Onsite - Unmitigated

3.6.2. Offsite - Unmitigated

3.7. Architectural Coating (2028)

3.7.1. Onsite - Unmitigated

3.7.2. Offsite - Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

8. User Changes to Default Data

8.1. Justifications

8.3. Land Use

8.4. Construction

8.4.1. Construction Phases

8.4.2. Off-Road Equipment

8.4.9. Paving

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Victorville Police Department and Civic Park
Construction Start Date	11/2/2026
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80000
Precipitation (days)	12.4000
Location	34.51586828981935, -117.32597943166522
County	San Bernardino-Mojave Desert
City	Victorville
Air District	Mojave Desert AQMD
Air Basin	Mojave Desert
TAZ	5122
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southwest Gas Corp.
App Version	2022.1.1.39

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
Government Office Building	54.8920	1000sqft	2.48000	54,892.0	0.00000	—	—	Police Station

Parking Lot	380.000	Space	3.42000	0.00000	0.00000	—	—	—
City Park	3.30000	Acre	3.30000	0.00000	41,046.0	41,046.0	—	Civic Park and Plaza

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.70881	19.2127	15.6677	0.02562	0.69236	0.30657	0.99893	0.64556	0.07508	0.72065	—	2,918.74	2,918.74	0.10054	0.06395	2,941.72
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.1343	39.9380	29.2071	0.04890	1.11566	7.89497	9.01063	1.01606	3.99357	5.00963	—	5,519.48	5,519.48	0.21838	0.06454	5,540.36
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.89416	13.8971	11.0926	0.01830	0.49522	0.75290	0.87110	0.46136	0.37685	0.58843	—	2,072.49	2,072.49	0.07321	0.04397	2,087.83
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.16318	2.53623	2.02439	0.00334	0.09038	0.13740	0.15897	0.08420	0.06878	0.10739	—	343.124	343.124	0.01212	0.00728	345.664

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.70881	19.2127	15.6677	0.02562	0.69236	0.30657	0.99893	0.64556	0.07508	0.72065	—	2,918.74	2,918.74	0.10054	0.06395	2,941.72
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.14588	39.9380	29.2071	0.04890	1.11566	7.89497	9.01063	1.01606	3.99357	5.00963	—	5,519.48	5,519.48	0.21838	0.05166	5,540.36
2027	0.78737	23.2484	18.4833	0.02733	0.75215	2.95827	3.71043	0.69429	1.38160	2.07589	—	3,146.75	3,146.75	0.12305	0.06454	3,159.22
2028	15.1343	19.2184	15.1927	0.02562	0.69236	0.30657	0.99893	0.64556	0.07508	0.72065	—	2,880.02	2,880.02	0.10094	0.06395	2,901.63
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.12213	4.10255	3.06637	0.00498	0.11819	0.75290	0.87110	0.10797	0.37685	0.48482	—	565.333	565.333	0.02233	0.00535	567.527
2027	0.50227	13.8971	11.0926	0.01830	0.49522	0.36665	0.86187	0.46136	0.12708	0.58843	—	2,072.49	2,072.49	0.07321	0.04397	2,087.83
2028	0.89416	1.05630	0.89338	0.00121	0.04475	0.01732	0.06207	0.04205	0.00410	0.04615	—	142.400	142.400	0.00522	0.00209	143.177
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.02229	0.74871	0.55961	0.00091	0.02157	0.13740	0.15897	0.01970	0.06878	0.08848	—	93.5973	93.5973	0.00370	0.00089	93.9606
2027	0.09167	2.53623	2.02439	0.00334	0.09038	0.06691	0.15729	0.08420	0.02319	0.10739	—	343.124	343.124	0.01212	0.00728	345.664
2028	0.16318	0.19277	0.16304	0.00022	0.00817	0.00316	0.01133	0.00767	0.00075	0.00842	—	23.5759	23.5759	0.00086	0.00035	23.7046

2.2.2. Onsite 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.62027	18.8719	14.3019	0.02340	0.68831	0.00000	0.68831	0.64152	0.00000	0.64152	—	2,397.08	2,397.08	0.09724	0.01945	2,405.30
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2026	1.07181	39.8532	28.3078	0.04890	1.11566	7.66623	8.78189	1.01606	3.93995	4.95601	—	5,297.94	5,297.94	0.21491	0.04298	5,316.12
2027	0.72619	23.1824	17.7652	0.02733	0.75215	2.76221	3.51436	0.69429	1.33565	2.02994	—	2,960.07	2,960.07	0.12007	0.02401	2,970.23
2028	15.1206	18.8719	14.3019	0.02340	0.68831	0.00000	0.68831	0.64152	0.00000	0.64152	—	2,397.46	2,397.46	0.09725	0.01945	2,405.68
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.11367	4.09220	2.95245	0.00498	0.11819	0.72740	0.84559	0.10797	0.37088	0.47885	—	539.700	539.700	0.02189	0.00438	541.553
2027	0.44663	13.6507	10.3562	0.01684	0.49258	0.15676	0.64934	0.45871	0.07580	0.53451	—	1,734.77	1,734.77	0.07037	0.01407	1,740.72
2028	0.88909	1.04703	0.82953	0.00118	0.04470	0.00000	0.04470	0.04199	0.00000	0.04199	—	122.954	122.954	0.00499	0.00100	123.376
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.02075	0.74683	0.53882	0.00091	0.02157	0.13275	0.15432	0.01970	0.06769	0.08739	—	89.3536	89.3536	0.00362	0.00072	89.6602
2027	0.08151	2.49125	1.89001	0.00307	0.08990	0.02861	0.11850	0.08371	0.01383	0.09755	—	287.211	287.211	0.01165	0.00233	288.196
2028	0.16226	0.19108	0.15139	0.00022	0.00816	0.00000	0.00816	0.00766	0.00000	0.00766	—	20.3564	20.3564	0.00083	0.00017	20.4263

2.2.3. Offsite 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.08854	0.34077	1.36578	0.00222	0.00405	0.30657	0.31062	0.00405	0.07508	0.07913	—	521.666	521.666	0.00331	0.04450	536.412
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.07408	0.08488	0.89932	0.00000	0.00000	0.22874	0.22874	0.00000	0.05362	0.05362	—	221.545	221.545	0.00347	0.00868	224.240
2027	0.07942	0.36355	0.95830	0.00222	0.00405	0.30657	0.31062	0.00405	0.07508	0.07913	—	493.760	493.760	0.00408	0.04509	507.335
2028	0.07632	0.34653	0.89082	0.00222	0.00405	0.30657	0.31062	0.00405	0.07508	0.07913	—	482.559	482.559	0.00369	0.04450	495.946
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.00846	0.01034	0.11393	0.00000	0.00000	0.02550	0.02550	0.00000	0.00597	0.00597	—	25.6321	25.6321	0.00043	0.00098	25.9747
2027	0.05564	0.24645	0.73636	0.00145	0.00264	0.20989	0.21253	0.00264	0.05128	0.05392	—	337.720	337.720	0.00284	0.02989	347.111

2028	0.00506	0.00927	0.06385	0.00003	0.00006	0.01732	0.01738	0.00006	0.00410	0.00416	—	19.4455	19.4455	0.00023	0.00109	19.8008
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.00154	0.00189	0.02079	0.00000	0.00000	0.00465	0.00465	0.00000	0.00109	0.00109	—	4.24369	4.24369	0.00007	0.00016	4.30041
2027	0.01015	0.04498	0.13439	0.00026	0.00048	0.03830	0.03879	0.00048	0.00936	0.00984	—	55.9134	55.9134	0.00047	0.00495	57.4681
2028	0.00092	0.00169	0.01165	0.00001	0.00001	0.00316	0.00317	0.00001	0.00075	0.00076	—	3.21942	3.21942	0.00004	0.00018	3.27826

2.3. 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.26641	5.52108	48.3184	0.11450	0.13545	9.77267	9.90812	0.12948	2.47631	2.60579	48.5618	13,581.2	13,629.7	5.42131	0.53586	13,957.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.26461	5.87608	35.8051	0.10454	0.13124	9.77267	9.90392	0.12631	2.47631	2.60262	48.5618	12,578.3	12,626.9	5.43750	0.55215	12,928.3
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.48664	6.00011	39.8774	0.10683	0.13295	9.69472	9.82767	0.12751	2.45682	2.58433	48.5618	12,808.0	12,856.6	5.44316	0.55934	13,173.4
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.18381	1.09502	7.27762	0.01950	0.02426	1.76929	1.79355	0.02327	0.44837	0.47164	8.03995	2,120.51	2,128.55	0.90118	0.09261	2,181.01

2.4. 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Victorville Police Department and Civic Park Custom Report, 3/10/2026

Mobile	5.41975	4.77535	45.2983	0.11138	0.08356	9.77267	9.85623	0.07863	2.47631	2.55494	—	11,339.4	11,339.4	0.36322	0.47078	11,521.1
Area	1.70955	0.02009	2.38736	0.00014	0.00424	—	0.00424	0.00321	—	0.00321	—	9.81725	9.81725	0.00041	0.00008	9.85265
Energy	0.02225	0.40458	0.33984	0.00243	0.03075	—	0.03075	0.03075	—	0.03075	—	2,069.16	2,069.16	0.14113	0.01284	2,076.51
Water	—	—	—	—	—	—	—	—	—	—	20.8962	103.990	124.886	2.14912	0.05169	194.018
Waste	—	—	—	—	—	—	—	—	—	—	27.6655	0.00000	27.6655	2.76507	0.00000	96.7923
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13350
Stationary	0.11486	0.32107	0.29291	0.00055	0.01690	0.00000	0.01690	0.01690	0.00000	0.01690	0.00000	58.7660	58.7660	0.00236	0.00046	58.9622
Total	7.26641	5.52108	48.3184	0.11450	0.13545	9.77267	9.90812	0.12948	2.47631	2.60579	48.5618	13,581.2	13,629.7	5.42131	0.53586	13,957.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.81010	5.15043	35.1723	0.10156	0.08360	9.77267	9.85627	0.07866	2.47631	2.55497	—	10,346.4	10,346.4	0.37982	0.48716	10,501.9
Area	1.31740	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.02225	0.40458	0.33984	0.00243	0.03075	—	0.03075	0.03075	—	0.03075	—	2,069.16	2,069.16	0.14113	0.01284	2,076.51
Water	—	—	—	—	—	—	—	—	—	—	20.8962	103.990	124.886	2.14912	0.05169	194.018
Waste	—	—	—	—	—	—	—	—	—	—	27.6655	0.00000	27.6655	2.76507	0.00000	96.7923
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13350
Stationary	0.11486	0.32107	0.29291	0.00055	0.01690	0.00000	0.01690	0.01690	0.00000	0.01690	0.00000	58.7660	58.7660	0.00236	0.00046	58.9622
Total	6.26461	5.87608	35.8051	0.10454	0.13124	9.77267	9.90392	0.12631	2.47631	2.60262	48.5618	12,578.3	12,626.9	5.43750	0.55215	12,928.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.84121	5.27147	38.0736	0.10379	0.08358	9.69472	9.77830	0.07864	2.45682	2.53546	—	10,572.5	10,572.5	0.38533	0.49432	10,743.4
Area	1.51079	0.00991	1.17733	0.00007	0.00209	—	0.00209	0.00158	—	0.00158	—	4.84138	4.84138	0.00020	0.00004	4.85884
Energy	0.02225	0.40458	0.33984	0.00243	0.03075	—	0.03075	0.03075	—	0.03075	—	2,069.16	2,069.16	0.14113	0.01284	2,076.51
Water	—	—	—	—	—	—	—	—	—	—	20.8962	103.990	124.886	2.14912	0.05169	194.018
Waste	—	—	—	—	—	—	—	—	—	—	27.6655	0.00000	27.6655	2.76507	0.00000	96.7923
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13350
Stationary	0.11239	0.31416	0.28660	0.00054	0.01653	0.00000	0.01653	0.01653	0.00000	0.01653	0.00000	57.5010	57.5010	0.00231	0.00045	57.6929

Total	6.48664	6.00011	39.8774	0.10683	0.13295	9.69472	9.82767	0.12751	2.45682	2.58433	48.5618	12,808.0	12,856.6	5.44316	0.55934	13,173.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.88352	0.96204	6.94843	0.01894	0.01525	1.76929	1.78454	0.01435	0.44837	0.46272	—	1,750.40	1,750.40	0.06380	0.08184	1,778.69
Area	0.27572	0.00181	0.21486	0.00001	0.00038	—	0.00038	0.00029	—	0.00029	—	0.80155	0.80155	0.00003	0.00001	0.80444
Energy	0.00406	0.07384	0.06202	0.00044	0.00561	—	0.00561	0.00561	—	0.00561	—	342.573	342.573	0.02337	0.00213	343.791
Water	—	—	—	—	—	—	—	—	—	—	3.45961	17.2167	20.6763	0.35581	0.00856	32.1219
Waste	—	—	—	—	—	—	—	—	—	—	4.58035	0.00000	4.58035	0.45779	0.00000	16.0251
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02210
Stationary	0.02051	0.05733	0.05230	0.00010	0.00302	0.00000	0.00302	0.00302	0.00000	0.00302	0.00000	9.51994	9.51994	0.00038	0.00007	9.55172
Total	1.18381	1.09502	7.27762	0.01950	0.02426	1.76929	1.79355	0.02327	0.44837	0.47164	8.03995	2,120.51	2,128.55	0.90118	0.09261	2,181.01

3. Construction Emissions Details

3.1. Site Preparation (2026)

3.1.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07181	39.8532	28.3078	0.04890	1.11566	—	1.11566	1.01606	—	1.01606	—	5,297.94	5,297.94	0.21491	0.04298	5,316.12
Dust From Material Movement	—	—	—	—	—	7.66623	7.66623	—	3.93995	3.93995	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08809	3.27560	2.32667	0.00402	0.09170	—	0.09170	0.08351	—	0.08351	—	435.447	435.447	0.01766	0.00353	436.941
Dust From Material Movement	—	—	—	—	—	0.63010	0.63010	—	0.32383	0.32383	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01608	0.59780	0.42462	0.00073	0.01673	—	0.01673	0.01524	—	0.01524	—	72.0932	72.0932	0.00292	0.00058	72.3406
Dust From Material Movement	—	—	—	—	—	0.11499	0.11499	—	0.05910	0.05910	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07408	0.08488	0.89932	0.00000	0.00000	0.22874	0.22874	0.00000	0.05362	0.05362	—	221.545	221.545	0.00347	0.00868	224.240
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00618	0.00756	0.08332	0.00000	0.00000	0.01865	0.01865	0.00000	0.00437	0.00437	—	18.7459	18.7459	0.00032	0.00071	18.9964
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00113	0.00138	0.01521	0.00000	0.00000	0.00340	0.00340	0.00000	0.00080	0.00080	—	3.10359	3.10359	0.00005	0.00012	3.14508
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.2. Grading (2026)

3.2.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72619	23.1824	17.7652	0.02732	0.75215	—	0.75215	0.69429	—	0.69429	—	2,959.64	2,959.64	0.12006	0.02401	2,969.79
Dust From Material Movement	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02558	0.81660	0.62578	0.00096	0.02649	—	0.02649	0.02446	—	0.02446	—	104.253	104.253	0.00423	0.00085	104.611

Dust From Material Movement	—	—	—	—	—	0.09730	0.09730	—	0.04705	0.04705	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00467	0.14903	0.11421	0.00018	0.00484	—	0.00484	0.00446	—	0.00446	—	17.2603	17.2603	0.00070	0.00014	17.3196
Dust From Material Movement	—	—	—	—	—	0.01776	0.01776	—	0.00859	0.00859	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06349	0.07275	0.77085	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	189.895	189.895	0.00298	0.00744	192.206
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00227	0.00278	0.03061	0.00000	0.00000	0.00685	0.00685	0.00000	0.00161	0.00161	—	6.88623	6.88623	0.00012	0.00026	6.97828
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00041	0.00051	0.00559	0.00000	0.00000	0.00125	0.00125	0.00000	0.00029	0.00029	—	1.14009	1.14009	0.00002	0.00004	1.15533
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.3. Grading (2027)

3.3.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72619	23.1824	17.7652	0.02733	0.75215	—	0.75215	0.69429	—	0.69429	—	2,960.07	2,960.07	0.12007	0.02401	2,970.23
Dust From Material Movement	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04121	1.31564	1.00820	0.00155	0.04269	—	0.04269	0.03940	—	0.03940	—	167.988	167.988	0.00681	0.00136	168.565
Dust From Material Movement	—	—	—	—	—	0.15676	0.15676	—	0.07580	0.07580	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00752	0.24010	0.18400	0.00028	0.00779	—	0.00779	0.00719	—	0.00719	—	27.8124	27.8124	0.00113	0.00023	27.9079
Dust From Material Movement	—	—	—	—	—	0.02861	0.02861	—	0.01383	0.01383	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06118	0.06597	0.71810	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	186.678	186.678	0.00298	0.00744	188.986
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00347	0.00409	0.04560	0.00000	0.00000	0.01104	0.01104	0.00000	0.00259	0.00259	—	10.9056	10.9056	0.00017	0.00042	11.0517
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00063	0.00075	0.00832	0.00000	0.00000	0.00201	0.00201	0.00000	0.00047	0.00047	—	1.80554	1.80554	0.00003	0.00007	1.82974
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.4. Building Construction (2027)

3.4.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62027	18.8719	14.3019	0.02340	0.68831	—	0.68831	0.64152	—	0.64152	—	2,397.08	2,397.08	0.09724	0.01945	2,405.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62027	18.8719	14.3019	0.02340	0.68831	—	0.68831	0.64152	—	0.64152	—	2,397.08	2,397.08	0.09724	0.01945	2,405.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40542	12.3351	9.34800	0.01529	0.44989	—	0.44989	0.41931	—	0.41931	—	1,566.78	1,566.78	0.06356	0.01271	1,572.16
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07399	2.25115	1.70601	0.00279	0.08211	—	0.08211	0.07652	—	0.07652	—	259.398	259.398	0.01052	0.00210	260.288
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07977	0.06932	1.25276	0.00000	0.00000	0.22960	0.22960	0.00000	0.05382	0.05382	—	246.819	246.819	0.00271	0.00833	250.136
Vendor	0.00877	0.27146	0.11302	0.00222	0.00405	0.07698	0.08102	0.00405	0.02127	0.02531	—	274.847	274.847	0.00060	0.03618	286.277
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07164	0.07726	0.84092	0.00000	0.00000	0.22960	0.22960	0.00000	0.05382	0.05382	—	218.605	218.605	0.00349	0.00871	221.309
Vendor	0.00778	0.28629	0.11738	0.00222	0.00405	0.07698	0.08102	0.00405	0.02127	0.02531	—	275.155	275.155	0.00060	0.03638	286.027
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04683	0.05518	0.61507	0.00000	0.00000	0.14887	0.14887	0.00000	0.03488	0.03488	—	147.084	147.084	0.00228	0.00570	149.055
Vendor	0.00534	0.18718	0.07569	0.00145	0.00264	0.04998	0.05262	0.00264	0.01382	0.01646	—	179.730	179.730	0.00039	0.02378	187.004
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00855	0.01007	0.11225	0.00000	0.00000	0.02717	0.02717	0.00000	0.00637	0.00637	—	24.3514	24.3514	0.00038	0.00094	24.6777
Vendor	0.00097	0.03416	0.01381	0.00026	0.00048	0.00912	0.00960	0.00048	0.00252	0.00300	—	29.7564	29.7564	0.00006	0.00394	30.9607
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Building Construction (2028)

3.5.1. Onsite - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62027	18.8719	14.3019	0.02340	0.68831	—	0.68831	0.64152	—	0.64152	—	2,397.46	2,397.46	0.09725	0.01945	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00850	0.25852	0.19592	0.00032	0.00943	—	0.00943	0.00879	—	0.00879	—	32.8419	32.8419	0.00133	0.00027	32.9546
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00155	0.04718	0.03575	0.00006	0.00172	—	0.00172	0.00160	—	0.00160	—	5.43735	5.43735	0.00022	0.00004	5.45601
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06854	0.06932	0.78070	0.00000	0.00000	0.22960	0.22960	0.00000	0.05382	0.05382	—	214.504	214.504	0.00310	0.00833	217.081
Vendor	0.00778	0.27721	0.11012	0.00222	0.00405	0.07698	0.08102	0.00405	0.02127	0.02531	—	268.054	268.054	0.00060	0.03618	278.865
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00095	0.00105	0.01196	0.00000	0.00000	0.00312	0.00312	0.00000	0.00073	0.00073	—	3.02464	3.02464	0.00004	0.00011	3.06379
Vendor	0.00011	0.00377	0.00149	0.00003	0.00006	0.00105	0.00110	0.00006	0.00029	0.00034	—	3.66954	3.66954	0.00001	0.00050	3.82074
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00017	0.00019	0.00218	0.00000	0.00000	0.00057	0.00057	0.00000	0.00013	0.00013	—	0.50076	0.50076	0.00001	0.00002	0.50725
Vendor	0.00002	0.00069	0.00027	0.00001	0.00001	0.00019	0.00020	0.00001	0.00005	0.00006	—	0.60753	0.60753	< 0.000005	0.00008	0.63257
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.6. Paving (2028)

3.6.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50229	13.3026	10.6002	0.01395	0.57785	—	0.57785	0.54490	—	0.54490	—	1,511.03	1,511.03	0.06129	0.01226	1,516.22
Paving	0.44802	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02752	0.72891	0.58083	0.00076	0.03166	—	0.03166	0.02986	—	0.02986	—	82.7962	82.7962	0.00336	0.00067	83.0803
Paving	0.02455	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00502	0.13303	0.10600	0.00014	0.00578	—	0.00578	0.00545	—	0.00545	—	13.7079	13.7079	0.00056	0.00011	13.7549
Paving	0.00448	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05853	0.05919	0.66668	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	183.176	183.176	0.00265	0.00711	185.376
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00324	0.00360	0.04084	0.00000	0.00000	0.01066	0.01066	0.00000	0.00250	0.00250	—	10.3316	10.3316	0.00014	0.00039	10.4653
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00059	0.00066	0.00745	0.00000	0.00000	0.00195	0.00195	0.00000	0.00046	0.00046	—	1.71051	1.71051	0.00002	0.00006	1.73265
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Architectural Coating (2028)

3.7.1. Onsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05168	1.08770	0.96319	0.00173	0.06578	—	0.06578	0.06108	—	0.06108	—	133.517	133.517	0.00542	0.00108	133.975
Architectural Coatings	15.0689	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00283	0.05960	0.05278	0.00009	0.00360	—	0.00360	0.00335	—	0.00335	—	7.31600	7.31600	0.00030	0.00006	7.34111
Architectural Coatings	0.82569	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00052	0.01088	0.00963	0.00002	0.00066	—	0.00066	0.00061	—	0.00061	—	1.21125	1.21125	0.00005	0.00001	1.21540
Architectural Coatings	0.15069	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.2. Offsite - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01371	0.01386	0.15614	0.00000	0.00000	0.04592	0.04592	0.00000	0.01076	0.01076	—	42.9009	42.9009	0.00062	0.00167	43.4162
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00076	0.00084	0.00957	0.00000	0.00000	0.00250	0.00250	0.00000	0.00058	0.00058	—	2.41971	2.41971	0.00003	0.00009	2.45103
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00014	0.00015	0.00175	0.00000	0.00000	0.00046	0.00046	0.00000	0.00011	0.00011	—	0.40061	0.40061	0.00001	0.00002	0.40580
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	3.65473	3.22019	30.5463	0.07510	0.05635	6.59006	6.64641	0.05302	1.66986	1.72288	—	7,646.58	7,646.58	0.24493	0.31747	7,769.09
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	1.76502	1.55516	14.7521	0.03627	0.02721	3.18261	3.20983	0.02561	0.80645	0.83205	—	3,692.85	3,692.85	0.11829	0.15332	3,752.02
Total	5.41975	4.77535	45.2983	0.11138	0.08356	9.77267	9.85623	0.07863	2.47631	2.55494	—	11,339.4	11,339.4	0.36322	0.47078	11,521.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	3.24362	3.47312	23.7179	0.06848	0.05637	6.59006	6.64643	0.05305	1.66986	1.72291	—	6,976.94	6,976.94	0.25612	0.32851	7,081.80
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	1.56648	1.67731	11.4544	0.03307	0.02723	3.18261	3.20984	0.02562	0.80645	0.83206	—	3,369.45	3,369.45	0.12369	0.15865	3,420.10
Total	4.81010	5.15043	35.1723	0.10156	0.08360	9.77267	9.85627	0.07866	2.47631	2.55497	—	10,346.4	10,346.4	0.37982	0.48716	10,501.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.59579	0.64874	4.68557	0.01277	0.01029	1.19309	1.20338	0.00968	0.30235	0.31203	—	1,180.36	1,180.36	0.04302	0.05519	1,199.44
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	0.28773	0.31330	2.26286	0.00617	0.00497	0.57619	0.58116	0.00467	0.14602	0.15069	—	570.044	570.044	0.02078	0.02665	579.258
Total	0.88352	0.96204	6.94843	0.01894	0.01525	1.76929	1.78454	0.01435	0.44837	0.46272	—	1,750.40	1,750.40	0.06380	0.08184	1,778.69

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	1,396.23	1,396.23	0.08661	0.01050	1,401.52
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	190.205	190.205	0.01180	0.00143	190.927
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	1,586.43	1,586.43	0.09841	0.01193	1,592.45
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	1,396.23	1,396.23	0.08661	0.01050	1,401.52
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	190.205	190.205	0.01180	0.00143	190.927
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	1,586.43	1,586.43	0.09841	0.01193	1,592.45
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	231.161	231.161	0.01434	0.00174	232.038
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	31.4907	31.4907	0.00195	0.00024	31.6101
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	262.652	262.652	0.01629	0.00197	263.648

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.02225	0.40458	0.33984	0.00243	0.03075	—	0.03075	0.03075	—	0.03075	—	482.727	482.727	0.04272	0.00091	484.066
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.02225	0.40458	0.33984	0.00243	0.03075	—	0.03075	0.03075	—	0.03075	—	482.727	482.727	0.04272	0.00091	484.066
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.02225	0.40458	0.33984	0.00243	0.03075	—	0.03075	0.03075	—	0.03075	—	482.727	482.727	0.04272	0.00091	484.066
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.02225	0.40458	0.33984	0.00243	0.03075	—	0.03075	0.03075	—	0.03075	—	482.727	482.727	0.04272	0.00091	484.066
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.00406	0.07384	0.06202	0.00044	0.00561	—	0.00561	0.00561	—	0.00561	—	79.9210	79.9210	0.00707	0.00015	80.1426
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00406	0.07384	0.06202	0.00044	0.00561	—	0.00561	0.00561	—	0.00561	—	79.9210	79.9210	0.00707	0.00015	80.1426

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.23484	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.08257	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.39215	0.02009	2.38736	0.00014	0.00424	—	0.00424	0.00321	—	0.00321	—	9.81725	9.81725	0.00041	0.00008	9.85265
Total	1.70955	0.02009	2.38736	0.00014	0.00424	—	0.00424	0.00321	—	0.00321	—	9.81725	9.81725	0.00041	0.00008	9.85265
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.23484	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.08257	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.31740	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.22536	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	0.01507	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	0.03529	0.00181	0.21486	0.00001	0.00038	—	0.00038	0.00029	—	0.00029	—	0.80155	0.80155	0.00003	0.00001	0.80444
Total	0.27572	0.00181	0.21486	0.00001	0.00038	—	0.00038	0.00029	—	0.00029	—	0.80155	0.80155	0.00003	0.00001	0.80444

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	20.8962	91.5149	112.411	2.14834	0.05160	181.496
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	—	—	—	—	—	—	—	—	—	—	0.00000	12.4748	12.4748	0.00077	0.00009	12.5221
Total	—	—	—	—	—	—	—	—	—	—	20.8962	103.990	124.886	2.14912	0.05169	194.018
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	20.8962	91.5149	112.411	2.14834	0.05160	181.496
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	—	—	—	—	—	—	—	—	—	—	0.00000	12.4748	12.4748	0.00077	0.00009	12.5221

Total	—	—	—	—	—	—	—	—	—	—	20.8962	103.990	124.886	2.14912	0.05169	194.018
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	3.45961	15.1513	18.6109	0.35568	0.00854	30.0487
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	—	—	—	—	—	—	—	—	—	—	0.00000	2.06535	2.06535	0.00013	0.00002	2.07318
Total	—	—	—	—	—	—	—	—	—	—	3.45961	17.2167	20.6763	0.35581	0.00856	32.1219

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	27.5126	0.00000	27.5126	2.74978	0.00000	96.2572
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	—	—	—	—	—	—	—	—	—	—	0.15295	0.00000	0.15295	0.01529	0.00000	0.53512
Total	—	—	—	—	—	—	—	—	—	—	27.6655	0.00000	27.6655	2.76507	0.00000	96.7923
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	27.5126	0.00000	27.5126	2.74978	0.00000	96.2572

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	—	—	—	—	—	—	—	—	—	—	0.15295	0.00000	0.15295	0.01529	0.00000	0.53512
Total	—	—	—	—	—	—	—	—	—	—	27.6655	0.00000	27.6655	2.76507	0.00000	96.7923
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	4.55502	0.00000	4.55502	0.45526	0.00000	15.9365
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	—	—	—	—	—	—	—	—	—	—	0.02532	0.00000	0.02532	0.00253	0.00000	0.08860
Total	—	—	—	—	—	—	—	—	—	—	4.58035	0.00000	4.58035	0.45779	0.00000	16.0251

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13350
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13350
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13350
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13350
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02210
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02210

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.11486	0.32107	0.29291	0.00055	0.01690	0.00000	0.01690	0.01690	0.00000	0.01690	0.00000	58.7660	58.7660	0.00236	0.00046	58.9622
Total	0.11486	0.32107	0.29291	0.00055	0.01690	0.00000	0.01690	0.01690	0.00000	0.01690	0.00000	58.7660	58.7660	0.00236	0.00046	58.9622
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.11486	0.32107	0.29291	0.00055	0.01690	0.00000	0.01690	0.01690	0.00000	0.01690	0.00000	58.7660	58.7660	0.00236	0.00046	58.9622
Total	0.11486	0.32107	0.29291	0.00055	0.01690	0.00000	0.01690	0.01690	0.00000	0.01690	0.00000	58.7660	58.7660	0.00236	0.00046	58.9622
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.02051	0.05733	0.05230	0.00010	0.00302	0.00000	0.00302	0.00302	0.00000	0.00302	0.00000	9.51994	9.51994	0.00038	0.00007	9.55172
Total	0.02051	0.05733	0.05230	0.00010	0.00302	0.00000	0.00302	0.00302	0.00000	0.00302	0.00000	9.51994	9.51994	0.00038	0.00007	9.55172

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)

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

Sequeste	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequeste red	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	11/2/2026	12/11/2026	5.00000	30.0000	—
Grading	Grading	12/14/2026	1/29/2027	5.00000	35.0000	—
Building Construction	Building Construction	2/1/2027	1/7/2028	5.00000	245.000	—
Paving	Paving	1/10/2028	2/4/2028	5.00000	20.0000	—
Architectural Coating	Architectural Coating	2/7/2028	3/3/2028	5.00000	20.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 2	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Tier 2	4.00000	8.00000	84.0000	0.37000
Grading	Excavators	Diesel	Tier 2	1.000000	8.00000	36.0000	0.38000
Grading	Graders	Diesel	Tier 2	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Back hoes	Diesel	Tier 2	3.00000	8.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Tier 2	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Tier 2	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Tier 2	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Tier 2	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Tier 2	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Tier 2	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Tier 2	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Tier 2	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Tier 2	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	Worker	17.5000	18.5000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	15.0000	18.5000	LDA,LDT1,LDT2

Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	17.5654	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	8.99680	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	3.51309	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00000	0.00000	84,097.5	28,032.5	8,938.51

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	45.0000	0.00000	0.00000
Grading	—	—	35.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	5.23000

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

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Government Office Building	0.00000	0%
Paving	Parking Lot	3.42000	100%
Paving	City Park	1.81000	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	0.00000	531.983	0.03300	0.00400
2027	0.00000	531.983	0.03300	0.00400
2028	0.00000	531.983	0.03300	0.00400

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
Government Office Building	826.125	826.125	826.125	301,535	9,342.66	9,342.66	9,342.66	3,410,071
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	398.970	398.970	398.970	145,624	4,511.96	4,511.96	4,511.96	1,646,865

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Government Office Building	Wood Fireplaces	0	0
Government Office Building	Gas Fireplaces	0	0
Government Office Building	Propane Fireplaces	0	0
Government Office Building	Electric Fireplaces	0	0
Government Office Building	No Fireplaces	0	0
Government Office Building	Conventional Wood Stoves	0	0
Government Office Building	Catalytic Wood Stoves	0	0
Government Office Building	Non-Catalytic Wood Stoves	0	0
Government Office Building	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0

Parking Lot	Pellet Wood Stoves	0	0
City Park	Wood Fireplaces	0	0
City Park	Gas Fireplaces	0	0
City Park	Propane Fireplaces	0	0
City Park	Electric Fireplaces	0	0
City Park	No Fireplaces	0	0
City Park	Conventional Wood Stoves	0	0
City Park	Catalytic Wood Stoves	0	0
City Park	Non-Catalytic Wood Stoves	0	0
City Park	Pellet Wood Stoves	0	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)
0.00000	0.00000	84,097.5	28,032.5	8,938.51

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

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)
Government Office Building	957,969	531.983	0.0330	0.0040	1,506,237
Parking Lot	130,502	531.983	0.0330	0.0040	0.00000

City Park	0.00000	531.983	0.0330	0.0040	0.00000
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5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Government Office Building	10,904,827	0.00000
Parking Lot	0.00000	0.00000
City Park	0.00000	2,019,330

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Government Office Building	51.0496	0.00000
Parking Lot	0.00000	0.00000
City Park	0.28380	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Served
Government Office Building	Household refrigerators and/or freezers	R-134a	1,430.00	0.01679	0.60000	0.00000	1.000000
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
City Park	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000
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5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	1.000000	0.14000	50.0000	500.000	0.73000

5.16.2. Process Boilers

5.17. User Defined

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. Biomass Cover Type

5.18.1.1. Unmitigated

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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8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	9.18 acre project site that would be developed with a 54,892 sq ft police station, 380 parking spaces, and a 3.3 acre civic park inclusive of a 1,173 civic plaza building. In addition, 41,046 sq ft of pervious area and 213,076 sq ft impervious area (~4.89 acres, including parking) would be provided
Construction: Construction Phases	No demolition would be required. Construction would occur for 18 months, starting in November 2026 and ending in May 2028
Construction: Off-Road Equipment	Default tier 2 equipment
Construction: Paving	~1.81 acres would be paved within the civic park
Operations: Vehicle Data	Based on the trip generation, the project would generate a total of 1,225 ADT, 826 ADT for the police department and 399 ADT for the civic park Trip rates 826 ADT/ 54.892 = 15.05 399 ADT/ 3.3 = 120.9

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	1.26015	2.48000
Landscape Area	sq. ft	—	0.00000
Landscape Area	sq. ft	—	41,046.0
Recreational Building Area	sq. ft	0.00000	1,173.00

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Site Preparation	Site Preparation	Start Date	12/1/2026	11/2/2026
Site Preparation	Site Preparation	End Date	12/15/2026	12/11/2026
Site Preparation	Site Preparation	Work Days per Phase	10.00000	30.0000
Grading	Grading	Start Date	12/16/2026	12/14/2026
Grading	Grading	End Date	1/13/2027	1/29/2027
Grading	Grading	Work Days per Phase	20.0000	35.0000
Building Construction	Building Construction	Start Date	1/14/2027	2/1/2027
Building Construction	Building Construction	End Date	12/2/2027	1/7/2028
Building Construction	Building Construction	Work Days per Phase	230.000	245.000
Paving	Paving	Start Date	12/3/2027	1/10/2028
Paving	Paving	End Date	12/31/2027	2/4/2028
Architectural Coating	Architectural Coating	Start Date	1/1/2028	2/7/2028
Architectural Coating	Architectural Coating	End Date	1/29/2028	3/3/2028

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Site Preparation	Rubber Tired Dozers	Engine Tier	Average	Tier 2
Site Preparation	Tractors/Loaders/Backhoes	Engine Tier	Average	Tier 2
Grading	Excavators	Engine Tier	Average	Tier 2
Grading	Graders	Engine Tier	Average	Tier 2
Grading	Rubber Tired Dozers	Engine Tier	Average	Tier 2
Grading	Tractors/Loaders/Backhoes	Engine Tier	Average	Tier 2
Building Construction	Cranes	Engine Tier	Average	Tier 2
Building Construction	Forklifts	Engine Tier	Average	Tier 2

Building Construction	Generator Sets	Engine Tier	Average	Tier 2
Building Construction	Tractors/Loaders/Backhoes	Engine Tier	Average	Tier 2
Building Construction	Welders	Engine Tier	Average	Tier 2
Paving	Pavers	Engine Tier	Average	Tier 2
Paving	Paving Equipment	Engine Tier	Average	Tier 2
Paving	Rollers	Engine Tier	Average	Tier 2
Architectural Coating	Air Compressors	Engine Tier	Average	Tier 2

8.4.9. Paving

Phase Name	Land Use	Model Parameter	Units	Default Value	New Value
Paving	City Park	Area Paved	acres	0.00000	1.81000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Government Office Building	Weekday Trip Rate	size/day	22.5900	15.0500
Government Office Building	Saturday Trip Rate	size/day	0.00000	15.0500
Government Office Building	Sunday Trip Rate	size/day	0.00000	15.0500
City Park	Weekday Trip Rate	size/day	0.78000	120.900
City Park	Saturday Trip Rate	size/day	1.96000	120.900
City Park	Sunday Trip Rate	size/day	2.19000	120.900