

APPENDIX A: AIR QUALITY AND GREENHOUSE GAS EMISSIONS WORKSHEETS

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400 S Vicente Blvd - Existing Conditions Custom Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
- 2. Emissions Summary
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, 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
 - 4.3.2. Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	400 S Vicente Blvd - Existing Conditions
Operational Year	2023
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	19.6
Location	400 S San Vicente Blvd, Los Angeles, CA 90048, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4303
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.13

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
Strip Mall	22.0	1000sqft	0.77	22,494	300	—	—	—

2. Emissions Summary

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.15	2.74	29.6	0.06	0.04	2.06	2.10	0.04	0.37	0.41	6,713	6,869
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.09	3.00	27.4	0.06	0.04	2.06	2.10	0.04	0.37	0.41	6,449	6,584
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.77	2.78	25.8	0.05	0.04	1.88	1.92	0.04	0.34	0.37	6,012	6,149
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.69	0.51	4.70	0.01	0.01	0.34	0.35	0.01	0.06	0.07	995	1,018

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.61	2.71	29.6	0.06	0.04	2.06	2.10	0.04	0.37	0.41	6,218	6,330
Area	0.54	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	459	461
Water	—	—	—	—	—	—	—	—	—	—	24.1	34.5
Waste	—	—	—	—	—	—	—	—	—	—	12.4	43.6

Refrig.	—	—	—	—	—	—	—	—	—	—	—	0.14
Total	4.15	2.74	29.6	0.06	0.04	2.06	2.10	0.04	0.37	0.41	6,713	6,869
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.55	2.97	27.4	0.06	0.04	2.06	2.10	0.04	0.37	0.41	5,953	6,045
Area	0.54	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	459	461
Water	—	—	—	—	—	—	—	—	—	—	24.1	34.5
Waste	—	—	—	—	—	—	—	—	—	—	12.4	43.6
Refrig.	—	—	—	—	—	—	—	—	—	—	—	0.14
Total	4.09	3.00	27.4	0.06	0.04	2.06	2.10	0.04	0.37	0.41	6,449	6,584
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.23	2.75	25.7	0.05	0.04	1.88	1.92	0.04	0.34	0.37	5,516	5,610
Area	0.54	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	459	461
Water	—	—	—	—	—	—	—	—	—	—	24.1	34.5
Waste	—	—	—	—	—	—	—	—	—	—	12.4	43.6
Refrig.	—	—	—	—	—	—	—	—	—	—	—	0.14
Total	3.77	2.78	25.8	0.05	0.04	1.88	1.92	0.04	0.34	0.37	6,012	6,149
Annual	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.59	0.50	4.70	0.01	0.01	0.34	0.35	0.01	0.06	0.07	913	929
Area	0.10	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	76.0	76.4
Water	—	—	—	—	—	—	—	—	—	—	4.00	5.72
Waste	—	—	—	—	—	—	—	—	—	—	2.06	7.21
Refrig.	—	—	—	—	—	—	—	—	—	—	—	0.02
Total	0.69	0.51	4.70	0.01	0.01	0.34	0.35	0.01	0.06	0.07	995	1,018

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	CO2T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	3.61	2.71	29.6	0.06	0.04	2.06	2.10	0.04	0.37	0.41	6,218	6,330
Total	3.61	2.71	29.6	0.06	0.04	2.06	2.10	0.04	0.37	0.41	6,218	6,330
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	3.55	2.97	27.4	0.06	0.04	2.06	2.10	0.04	0.37	0.41	5,953	6,045
Total	3.55	2.97	27.4	0.06	0.04	2.06	2.10	0.04	0.37	0.41	5,953	6,045
Annual	—	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	0.59	0.50	4.70	0.01	0.01	0.34	0.35	0.01	0.06	0.07	913	929
Total	0.59	0.50	4.70	0.01	0.01	0.34	0.35	0.01	0.06	0.07	913	929

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	CO2T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	424	426

Total	—	—	—	—	—	—	—	—	—	—	424	426
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	424	426
Total	—	—	—	—	—	—	—	—	—	—	424	426
Annual	—	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	70.1	70.5
Total	—	—	—	—	—	—	—	—	—	—	70.1	70.5

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	CO2T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	35.5	35.6
Total	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	35.5	35.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	35.5	35.6
Total	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	35.5	35.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	5.88	5.89
Total	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	5.88	5.89

4.3. Area Emissions by Source

4.3.2. 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	CO2T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.48	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.06	—	—	—	—	—	—	—	—	—	—	—
Total	0.54	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.48	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.06	—	—	—	—	—	—	—	—	—	—	—
Total	0.54	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.09	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	—	—	—	—	—	—	—	—	—	—	—
Total	0.10	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

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
Strip Mall	975	925	449	325,869	7,387	7,007	3,405	2,468,804

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)
Strip Mall	223,962	690	0.0489	0.0069	110,764

8. User Changes to Default Data

Screen	Justification
Land Use	Existing conditions: 22,494 sf commercial retail uses.
Construction: Construction Phases	IGNORE CONSTRUCTION EMISSIONS FOR EXISTING CONDITIONS SCENARIO.

Beverly Plaza 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, Unmitigated
 - 2.3. Construction Emissions by Year, Mitigated
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
 - 2.6. Operations Emissions by Sector, Mitigated
3. Construction Emissions Details
 - 3.1. Demolition (2025) - Unmitigated
 - 3.2. Demolition (2025) - Mitigated

3.3. Grading (2025) - Unmitigated

3.4. Grading (2025) - Mitigated

3.5. Building Construction (2025) - Unmitigated

3.6. Building Construction (2025) - Mitigated

3.7. Building Construction (2026) - Unmitigated

3.8. Building Construction (2026) - Mitigated

3.9. Architectural Coating (2026) - Unmitigated

3.10. Architectural Coating (2026) - Mitigated

3.11. Architectural Coating (2027) - Unmitigated

3.12. Architectural Coating (2027) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

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

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Beverly Plaza
Construction Start Date	3/1/2025
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	19.6
Location	34.07123373756221, -118.37592849230235
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4303
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.14

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
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Apartments Mid Rise	126	Dwelling Unit	0.77	197,286	775	—	284	—
Enclosed Parking with Elevator	167	Space	0.00	85,408	0.00	—	—	—
High Turnover (Sit Down Restaurant)	13.0	1000sqft	0.00	11,615	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-10-B	Water Active Demolition Sites
Transportation	T-3	Provide Transit-Oriented Development
Transportation	T-4	Integrate Affordable and Below Market Rate Housing
Transportation	T-34*	Provide Bike Parking
Energy	E-2	Require Energy Efficient Appliances
Water	W-4	Require Low-Flow Water Fixtures
Water	W-5	Design Water-Efficient Landscapes
Waste	S-1/S-2	Implement Waste Reduction Plan
Waste	S-4*	Recycle Demolished Construction Material

* 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.28	33.3	26.7	0.11	1.10	6.10	7.20	1.02	2.25	3.27	16,206

Mit.	7.28	33.3	26.7	0.11	1.10	6.10	7.20	1.02	2.25	3.27	16,206
% Reduced	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.28	33.8	26.6	0.11	1.10	6.10	7.20	1.02	2.25	3.27	16,173
Mit.	7.28	33.8	26.6	0.11	1.10	6.10	7.20	1.02	2.25	3.27	16,173
% Reduced	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.67	11.9	13.5	0.03	0.39	1.81	2.20	0.36	0.57	0.93	4,900
Mit.	2.67	11.9	13.5	0.03	0.39	1.79	2.18	0.36	0.57	0.93	4,900
% Reduced	—	—	—	—	—	1%	1%	—	1%	< 0.5%	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.49	2.17	2.46	0.01	0.07	0.33	0.40	0.07	0.10	0.17	811
Mit.	0.49	2.17	2.46	0.01	0.07	0.33	0.40	0.07	0.10	0.17	811
% Reduced	—	—	—	—	—	1%	1%	—	1%	< 0.5%	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	—	—	150	—	—	55.0	—
Unmit.	No	No	No	No	Yes	—	No	Yes	—	No	—
Mit.	No	No	No	No	Yes	—	No	Yes	—	No	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	—	—	150	—	—	55.0	—
Unmit.	No	No	No	No	Yes	—	No	Yes	—	No	—
Mit.	No	No	No	No	Yes	—	No	Yes	—	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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2025	2.35	33.3	26.7	0.11	1.10	6.10	7.20	1.02	2.25	3.27	16,206
2026	7.28	9.78	16.5	0.02	0.30	1.36	1.67	0.27	0.33	0.60	3,784
2027	7.26	2.90	5.99	0.01	0.05	0.53	0.58	0.04	0.13	0.17	1,046
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2025	2.34	33.8	26.6	0.11	1.10	6.10	7.20	1.02	2.25	3.27	16,173
2026	7.28	9.86	15.7	0.02	0.30	1.36	1.67	0.27	0.33	0.60	3,716
2027	7.26	2.93	5.65	0.01	0.05	0.53	0.58	0.04	0.13	0.17	1,015
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2025	1.26	11.9	13.5	0.03	0.39	1.81	2.20	0.36	0.57	0.93	4,900
2026	2.67	5.15	8.59	0.01	0.15	0.73	0.88	0.13	0.18	0.31	1,917
2027	1.90	0.77	1.51	< 0.005	0.01	0.14	0.15	0.01	0.03	0.04	268
Annual	—	—	—	—	—	—	—	—	—	—	—
2025	0.23	2.17	2.46	0.01	0.07	0.33	0.40	0.07	0.10	0.17	811
2026	0.49	0.94	1.57	< 0.005	0.03	0.13	0.16	0.02	0.03	0.06	317
2027	0.35	0.14	0.28	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	44.4

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2025	2.35	33.3	26.7	0.11	1.10	6.10	7.20	1.02	2.25	3.27	16,206
2026	7.28	9.78	16.5	0.02	0.30	1.36	1.67	0.27	0.33	0.60	3,784
2027	7.26	2.90	5.99	0.01	0.05	0.53	0.58	0.04	0.13	0.17	1,046

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2025	2.34	33.8	26.6	0.11	1.10	6.10	7.20	1.02	2.25	3.27	16,173
2026	7.28	9.86	15.7	0.02	0.30	1.36	1.67	0.27	0.33	0.60	3,716
2027	7.26	2.93	5.65	0.01	0.05	0.53	0.58	0.04	0.13	0.17	1,015
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2025	1.26	11.9	13.5	0.03	0.39	1.79	2.18	0.36	0.57	0.93	4,900
2026	2.67	5.15	8.59	0.01	0.15	0.73	0.88	0.13	0.18	0.31	1,917
2027	1.90	0.77	1.51	< 0.005	0.01	0.14	0.15	0.01	0.03	0.04	268
Annual	—	—	—	—	—	—	—	—	—	—	—
2025	0.23	2.17	2.46	0.01	0.07	0.33	0.40	0.07	0.10	0.17	811
2026	0.49	0.94	1.57	< 0.005	0.03	0.13	0.16	0.02	0.03	0.06	317
2027	0.35	0.14	0.28	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	44.4

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.7	13.5	79.1	0.16	0.39	14.1	14.5	0.39	3.59	3.97	20,119
Mit.	13.9	12.2	64.6	0.13	0.37	10.9	11.2	0.37	2.76	3.13	16,023
% Reduced	11%	9%	18%	21%	6%	23%	23%	5%	23%	21%	20%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.3	13.9	63.1	0.16	0.38	14.1	14.5	0.38	3.59	3.96	19,407
Mit.	12.5	12.5	49.6	0.12	0.36	10.9	11.2	0.36	2.76	3.12	15,467
% Reduced	12%	10%	21%	21%	6%	23%	23%	5%	23%	21%	20%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—

Unmit.	12.9	8.86	51.6	0.10	0.25	8.85	9.09	0.24	2.25	2.49	13,678
Mit.	11.5	7.88	42.0	0.08	0.23	6.77	7.00	0.23	1.72	1.95	10,924
% Reduced	11%	11%	19%	22%	6%	23%	23%	5%	23%	22%	20%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.36	1.62	9.42	0.02	0.05	1.61	1.66	0.04	0.41	0.45	2,265
Mit.	2.10	1.44	7.67	0.01	0.04	1.24	1.28	0.04	0.31	0.36	1,809
% Reduced	11%	11%	19%	22%	6%	23%	23%	5%	23%	22%	20%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	—	—	150	—	—	55.0	—
Unmit.	No	No	No	No	Yes	—	No	Yes	—	No	—
Mit.	No	No	No	No	Yes	—	No	Yes	—	No	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	—	—	150	—	—	55.0	—
Unmit.	No	No	No	No	Yes	—	No	Yes	—	No	—
Mit.	No	No	No	No	Yes	—	No	Yes	—	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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.84	5.43	63.1	0.15	0.09	14.1	14.2	0.09	3.59	3.67	15,685
Area	6.16	0.10	11.4	< 0.005	0.01	—	0.01	0.01	—	0.01	36.6
Energy	0.03	0.61	0.38	< 0.005	0.05	—	0.05	0.05	—	0.05	2,860
Water	—	—	—	—	—	—	—	—	—	—	250
Waste	—	—	—	—	—	—	—	—	—	—	425

Refrig.	—	—	—	—	—	—	—	—	—	—	19.6
Stationary	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	842
Total	15.7	13.5	79.1	0.16	0.39	14.1	14.5	0.39	3.59	3.97	20,119
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.74	5.94	58.5	0.14	0.09	14.1	14.2	0.09	3.59	3.67	15,010
Area	4.84	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Energy	0.03	0.61	0.38	< 0.005	0.05	—	0.05	0.05	—	0.05	2,860
Water	—	—	—	—	—	—	—	—	—	—	250
Waste	—	—	—	—	—	—	—	—	—	—	425
Refrig.	—	—	—	—	—	—	—	—	—	—	19.6
Stationary	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	842
Total	14.3	13.9	63.1	0.16	0.38	14.1	14.5	0.38	3.59	3.96	19,407
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.25	4.17	41.2	0.09	0.06	8.85	8.91	0.06	2.25	2.30	9,638
Area	5.74	0.07	7.79	< 0.005	0.01	—	0.01	0.01	—	0.01	25.1
Energy	0.03	0.61	0.38	< 0.005	0.05	—	0.05	0.05	—	0.05	2,860
Water	—	—	—	—	—	—	—	—	—	—	250
Waste	—	—	—	—	—	—	—	—	—	—	425
Refrig.	—	—	—	—	—	—	—	—	—	—	19.6
Stationary	0.89	4.00	2.28	< 0.005	0.13	—	0.13	0.13	—	0.13	459
Total	12.9	8.86	51.6	0.10	0.25	8.85	9.09	0.24	2.25	2.49	13,678
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.14	0.76	7.52	0.02	0.01	1.61	1.63	0.01	0.41	0.42	1,596
Area	1.05	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.15
Energy	0.01	0.11	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	473
Water	—	—	—	—	—	—	—	—	—	—	41.4
Waste	—	—	—	—	—	—	—	—	—	—	70.4

Refrig.	—	—	—	—	—	—	—	—	—	—	3.24
Stationary	0.16	0.73	0.42	< 0.005	0.02	—	0.02	0.02	—	0.02	76.0
Total	2.36	1.62	9.42	0.02	0.05	1.61	1.66	0.04	0.41	0.45	2,265

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.04	4.19	48.6	0.12	0.07	10.9	10.9	0.07	2.76	2.83	12,080
Area	6.16	0.10	11.4	< 0.005	0.01	—	0.01	0.01	—	0.01	36.6
Energy	0.03	0.61	0.38	< 0.005	0.05	—	0.05	0.05	—	0.05	2,726
Water	—	—	—	—	—	—	—	—	—	—	212
Waste	—	—	—	—	—	—	—	—	—	—	106
Refrig.	—	—	—	—	—	—	—	—	—	—	19.6
Stationary	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	842
Total	13.9	12.2	64.6	0.13	0.37	10.9	11.2	0.37	2.76	3.13	16,023
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.97	4.58	45.1	0.11	0.07	10.9	10.9	0.07	2.76	2.83	11,560
Area	4.84	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Energy	0.03	0.61	0.38	< 0.005	0.05	—	0.05	0.05	—	0.05	2,726
Water	—	—	—	—	—	—	—	—	—	—	212
Waste	—	—	—	—	—	—	—	—	—	—	106
Refrig.	—	—	—	—	—	—	—	—	—	—	19.6
Stationary	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	842
Total	12.5	12.5	49.6	0.12	0.36	10.9	11.2	0.36	2.76	3.12	15,467
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Mobile	4.81	3.20	31.6	0.07	0.05	6.77	6.81	0.04	1.72	1.76	7,376
Area	5.74	0.07	7.79	< 0.005	0.01	—	0.01	0.01	—	0.01	25.1
Energy	0.03	0.61	0.38	< 0.005	0.05	—	0.05	0.05	—	0.05	2,726
Water	—	—	—	—	—	—	—	—	—	—	212
Waste	—	—	—	—	—	—	—	—	—	—	106
Refrig.	—	—	—	—	—	—	—	—	—	—	19.6
Stationary	0.89	4.00	2.28	< 0.005	0.13	—	0.13	0.13	—	0.13	459
Total	11.5	7.88	42.0	0.08	0.23	6.77	7.00	0.23	1.72	1.95	10,924
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.88	0.58	5.76	0.01	0.01	1.24	1.24	0.01	0.31	0.32	1,221
Area	1.05	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.15
Energy	0.01	0.11	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	451
Water	—	—	—	—	—	—	—	—	—	—	35.1
Waste	—	—	—	—	—	—	—	—	—	—	17.6
Refrig.	—	—	—	—	—	—	—	—	—	—	3.24
Stationary	0.16	0.73	0.42	< 0.005	0.02	—	0.02	0.02	—	0.02	76.0
Total	2.10	1.44	7.67	0.01	0.04	1.24	1.28	0.04	0.31	0.36	1,809

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.47	13.9	15.1	0.02	0.57	—	0.57	0.52	—	0.52	2,502
Demolition	—	—	—	—	—	1.02	1.02	—	0.15	0.15	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.84	0.91	< 0.005	0.03	—	0.03	0.03	—	0.03	151
Demolition	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.15	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	25.0
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.54	0.00	0.00	0.11	0.11	0.00	0.03	0.03	114
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.04	0.39	0.01	0.01	0.22	0.23	0.01	0.06	0.07	855
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	6.98
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	51.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	1.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	8.54
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3.2. Demolition (2025) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	13.9	15.1	0.02	0.57	—	0.57	0.52	—	0.52	2,502
Demolition	—	—	—	—	—	0.65	0.65	—	0.10	0.10	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.84	0.91	< 0.005	0.03	—	0.03	0.03	—	0.03	151
Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.15	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	25.0
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.54	0.00	0.00	0.11	0.11	0.00	0.03	0.03	114

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.04	0.39	0.01	0.01	0.22	0.23	0.01	0.06	0.07	855
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	6.98
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	51.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	1.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	8.54

3.3. Grading (2025) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.15	19.4	20.9	0.03	0.94	—	0.94	0.87	—	0.87	3,461
Dust From Material Movement	—	—	—	—	—	2.73	2.73	—	1.33	1.33	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.15	19.4	20.9	0.03	0.94	—	0.94	0.87	—	0.87	3,461
Dust From Material Movement	—	—	—	—	—	2.73	2.73	—	1.33	1.33	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	3.51	3.78	0.01	0.17	—	0.17	0.16	—	0.16	626
Dust From Material Movement	—	—	—	—	—	0.49	0.49	—	0.24	0.24	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.64	0.69	< 0.005	0.03	—	0.03	0.03	—	0.03	104
Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.04	0.04	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.75	0.00	0.00	0.13	0.13	0.00	0.03	0.03	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.14	13.8	4.99	0.08	0.15	3.24	3.40	0.15	0.89	1.04	12,600
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.65	0.00	0.00	0.13	0.13	0.00	0.03	0.03	137
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	14.4	5.03	0.08	0.15	3.24	3.40	0.15	0.89	1.04	12,575
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	25.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	2.63	0.91	0.01	0.03	0.58	0.61	0.03	0.16	0.19	2,276

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	4.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.48	0.17	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	377

3.4. Grading (2025) - Mitigated

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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.15	19.4	20.9	0.03	0.94	—	0.94	0.87	—	0.87	3,461
Dust From Material Movement	—	—	—	—	—	2.73	2.73	—	1.33	1.33	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.15	19.4	20.9	0.03	0.94	—	0.94	0.87	—	0.87	3,461
Dust From Material Movement	—	—	—	—	—	2.73	2.73	—	1.33	1.33	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	3.51	3.78	0.01	0.17	—	0.17	0.16	—	0.16	626
Dust From Material Movement	—	—	—	—	—	0.49	0.49	—	0.24	0.24	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.64	0.69	< 0.005	0.03	—	0.03	0.03	—	0.03	104	
Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.04	0.04	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.75	0.00	0.00	0.13	0.13	0.00	0.03	0.03	145	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.14	13.8	4.99	0.08	0.15	3.24	3.40	0.15	0.89	1.04	12,600	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.65	0.00	0.00	0.13	0.13	0.00	0.03	0.03	137	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	14.4	5.03	0.08	0.15	3.24	3.40	0.15	0.89	1.04	12,575	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	25.1	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	2.63	0.91	0.01	0.03	0.58	0.61	0.03	0.16	0.19	2,276	
Annual	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	4.16	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.48	0.17	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	377	

3.5. Building Construction (2025) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	8.95	10.0	0.02	0.33	—	0.33	0.30	—	0.30	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	8.95	10.0	0.02	0.33	—	0.33	0.30	—	0.30	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	4.18	4.69	0.01	0.15	—	0.15	0.14	—	0.14	845
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.76	0.86	< 0.005	0.03	—	0.03	0.03	—	0.03	140
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.42	6.56	0.00	0.00	1.17	1.17	0.00	0.27	0.27	1,267
Vendor	0.02	0.87	0.45	0.01	0.01	0.19	0.20	0.01	0.05	0.06	748
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.46	5.68	0.00	0.00	1.17	1.17	0.00	0.27	0.27	1,199
Vendor	0.02	0.91	0.45	0.01	0.01	0.19	0.20	0.01	0.05	0.06	747

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	2.77	0.00	0.00	0.54	0.54	0.00	0.13	0.13	569
Vendor	0.01	0.43	0.21	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.51	0.00	0.00	0.10	0.10	0.00	0.02	0.02	94.3
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	57.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2025) - Mitigated

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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	8.95	10.0	0.02	0.33	—	0.33	0.30	—	0.30	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	8.95	10.0	0.02	0.33	—	0.33	0.30	—	0.30	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	4.18	4.69	0.01	0.15	—	0.15	0.14	—	0.14	845
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.09	0.76	0.86	< 0.005	0.03	—	0.03	0.03	—	0.03	140
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.42	6.56	0.00	0.00	1.17	1.17	0.00	0.27	0.27	1,267
Vendor	0.02	0.87	0.45	0.01	0.01	0.19	0.20	0.01	0.05	0.06	748
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.46	5.68	0.00	0.00	1.17	1.17	0.00	0.27	0.27	1,199
Vendor	0.02	0.91	0.45	0.01	0.01	0.19	0.20	0.01	0.05	0.06	747
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	2.77	0.00	0.00	0.54	0.54	0.00	0.13	0.13	569
Vendor	0.01	0.43	0.21	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.51	0.00	0.00	0.10	0.10	0.00	0.02	0.02	94.3
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	57.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.01	8.57	9.96	0.02	0.29	—	0.29	0.27	—	0.27	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	8.57	9.96	0.02	0.29	—	0.29	0.27	—	0.27	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	3.74	4.34	0.01	0.13	—	0.13	0.12	—	0.12	789
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.68	0.79	< 0.005	0.02	—	0.02	0.02	—	0.02	131
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.45	0.37	6.09	0.00	0.00	1.17	1.17	0.00	0.27	0.27	1,241
Vendor	0.02	0.83	0.42	0.01	0.01	0.19	0.20	0.01	0.05	0.06	736
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.45	0.42	5.30	0.00	0.00	1.17	1.17	0.00	0.27	0.27	1,174
Vendor	0.02	0.87	0.43	0.01	0.01	0.19	0.20	0.01	0.05	0.06	734
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.20	2.41	0.00	0.00	0.51	0.51	0.00	0.12	0.12	521
Vendor	0.01	0.38	0.19	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.02	321

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.44	0.00	0.00	0.09	0.09	0.00	0.02	0.02	86.2
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	53.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	8.57	9.96	0.02	0.29	—	0.29	0.27	—	0.27	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	8.57	9.96	0.02	0.29	—	0.29	0.27	—	0.27	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	3.74	4.34	0.01	0.13	—	0.13	0.12	—	0.12	789
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.68	0.79	< 0.005	0.02	—	0.02	0.02	—	0.02	131
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.45	0.37	6.09	0.00	0.00	1.17	1.17	0.00	0.27	0.27	1,241
Vendor	0.02	0.83	0.42	0.01	0.01	0.19	0.20	0.01	0.05	0.06	736
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.45	0.42	5.30	0.00	0.00	1.17	1.17	0.00	0.27	0.27	1,174
Vendor	0.02	0.87	0.43	0.01	0.01	0.19	0.20	0.01	0.05	0.06	734
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.20	2.41	0.00	0.00	0.51	0.51	0.00	0.12	0.12	521
Vendor	0.01	0.38	0.19	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.02	321
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.44	0.00	0.00	0.09	0.09	0.00	0.02	0.02	86.2
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	53.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	2.80	3.43	0.01	0.05	—	0.05	0.05	—	0.05	490
Architectural Coatings	6.78	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	2.80	3.43	0.01	0.05	—	0.05	0.05	—	0.05	490	
Architectural Coatings	6.78	—	—	—	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.08	0.78	0.95	< 0.005	0.02	—	0.02	0.01	—	0.01	136	
Architectural Coatings	1.88	—	—	—	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.02	0.14	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	22.5	
Architectural Coatings	0.34	—	—	—	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.21	0.17	2.78	0.00	0.00	0.53	0.53	0.00	0.13	0.13	566	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.20	0.19	2.42	0.00	0.00	0.53	0.53	0.00	0.13	0.13	536	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.70	0.00	0.00	0.15	0.15	0.00	0.03	0.03	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	25.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Architectural Coating (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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	2.80	3.43	0.01	0.05	—	0.05	0.05	—	0.05	490
Architectural Coatings	6.78	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	2.80	3.43	0.01	0.05	—	0.05	0.05	—	0.05	490
Architectural Coatings	6.78	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.78	0.95	< 0.005	0.02	—	0.02	0.01	—	0.01	136

Architectural Coatings	1.88	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.14	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	22.5
Architectural Coatings	0.34	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.17	2.78	0.00	0.00	0.53	0.53	0.00	0.13	0.13	566
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.19	2.42	0.00	0.00	0.53	0.53	0.00	0.13	0.13	536
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.70	0.00	0.00	0.15	0.15	0.00	0.03	0.03	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	25.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.75	3.41	0.01	0.05	—	0.05	0.04	—	0.04	490
Architectural Coatings	6.78	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.75	3.41	0.01	0.05	—	0.05	0.04	—	0.04	490
Architectural Coatings	6.78	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.72	0.89	< 0.005	0.01	—	0.01	0.01	—	0.01	129
Architectural Coatings	1.78	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	21.3
Architectural Coatings	0.32	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.15	2.58	0.00	0.00	0.53	0.53	0.00	0.13	0.13	556
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	2.24	0.00	0.00	0.53	0.53	0.00	0.13	0.13	525
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.61	0.00	0.00	0.14	0.14	0.00	0.03	0.03	140
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	23.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.75	3.41	0.01	0.05	—	0.05	0.04	—	0.04	490
Architectural Coatings	6.78	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.75	3.41	0.01	0.05	—	0.05	0.04	—	0.04	490
Architectural Coatings	6.78	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.72	0.89	< 0.005	0.01	—	0.01	0.01	—	0.01	129
Architectural Coatings	1.78	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	21.3
Architectural Coatings	0.32	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.15	2.58	0.00	0.00	0.53	0.53	0.00	0.13	0.13	556
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	2.24	0.00	0.00	0.53	0.53	0.00	0.13	0.13	525
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.61	0.00	0.00	0.14	0.14	0.00	0.03	0.03	140
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	23.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	2.15	1.56	18.3	0.04	0.03	4.16	4.19	0.03	1.06	1.08	4,608
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Turnover (Sit Down Restaurant)	5.68	3.87	44.9	0.11	0.07	9.96	10.0	0.06	2.53	2.59	11,077
Total	7.84	5.43	63.1	0.15	0.09	14.1	14.2	0.09	3.59	3.67	15,685
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	2.13	1.70	16.8	0.04	0.03	4.16	4.19	0.03	1.06	1.08	4,409
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Turnover (Sit Down Restaurant)	5.61	4.24	41.7	0.10	0.07	9.96	10.0	0.06	2.53	2.59	10,601
Total	7.74	5.94	58.5	0.14	0.09	14.1	14.2	0.09	3.59	3.67	15,010
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.37	0.30	3.00	0.01	< 0.005	0.72	0.73	< 0.005	0.18	0.19	703
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Turnover (Sit Down Restaurant)	0.78	0.46	4.52	0.01	0.01	0.89	0.90	0.01	0.23	0.23	893
Total	1.14	0.76	7.52	0.02	0.01	1.61	1.63	0.01	0.41	0.42	1,596

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.61	1.16	13.6	0.03	0.02	3.11	3.13	0.02	0.79	0.81	3,440
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Turnover (Sit Down Restaurant)	4.43	3.02	35.0	0.08	0.05	7.77	7.82	0.05	1.97	2.02	8,640

Total	6.04	4.19	48.6	0.12	0.07	10.9	10.9	0.07	2.76	2.83	12,080
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.59	1.27	12.6	0.03	0.02	3.11	3.13	0.02	0.79	0.81	3,292
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Turnover (Sit Down Restaurant)	4.38	3.30	32.5	0.08	0.05	7.77	7.82	0.05	1.97	2.02	8,269
Total	5.97	4.58	45.1	0.11	0.07	10.9	10.9	0.07	2.76	2.83	11,560
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.27	0.22	2.24	0.01	< 0.005	0.54	0.54	< 0.005	0.14	0.14	525
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Turnover (Sit Down Restaurant)	0.60	0.36	3.52	0.01	0.01	0.70	0.70	< 0.005	0.18	0.18	697
Total	0.88	0.58	5.76	0.01	0.01	1.24	1.24	0.01	0.31	0.32	1,221

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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	786

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	599
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	719
Total	—	—	—	—	—	—	—	—	—	—	2,104
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	786
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	599
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	719
Total	—	—	—	—	—	—	—	—	—	—	2,104
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	130
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	99.2
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	119
Total	—	—	—	—	—	—	—	—	—	—	348

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	735
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	599
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	636
Total	—	—	—	—	—	—	—	—	—	—	1,970
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	735
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	599
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	636
Total	—	—	—	—	—	—	—	—	—	—	1,970
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	122
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	99.2
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	105
Total	—	—	—	—	—	—	—	—	—	—	326

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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.02	0.32	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	402
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.30	0.25	< 0.005	0.02	—	0.02	0.02	—	0.02	354
Total	0.03	0.61	0.38	< 0.005	0.05	—	0.05	0.05	—	0.05	756
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.02	0.32	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	402
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.30	0.25	< 0.005	0.02	—	0.02	0.02	—	0.02	354
Total	0.03	0.61	0.38	< 0.005	0.05	—	0.05	0.05	—	0.05	756
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	< 0.005	0.06	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	66.5
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

High Turnover (Sit Down Restaurant)	< 0.005	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	58.5
Total	0.01	0.11	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	125

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.02	0.32	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	402
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.30	0.25	< 0.005	0.02	—	0.02	0.02	—	0.02	354
Total	0.03	0.61	0.38	< 0.005	0.05	—	0.05	0.05	—	0.05	756
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.02	0.32	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	402
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.30	0.25	< 0.005	0.02	—	0.02	0.02	—	0.02	354
Total	0.03	0.61	0.38	< 0.005	0.05	—	0.05	0.05	—	0.05	756
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	< 0.005	0.06	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	66.5

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	58.5
Total	0.01	0.11	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	125

4.3. Area Emissions by Source

4.3.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Consumer Products	4.47	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.37	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.32	0.10	11.4	< 0.005	0.01	—	0.01	0.01	—	0.01	36.6
Total	6.16	0.10	11.4	< 0.005	0.01	—	0.01	0.01	—	0.01	36.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Consumer Products	4.47	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.37	—	—	—	—	—	—	—	—	—	—
Total	4.84	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Consumer Products	0.82	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.17	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.15
Total	1.05	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.15

4.3.1. Mitigated

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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Consumer Products	4.47	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.37	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.32	0.10	11.4	< 0.005	0.01	—	0.01	0.01	—	0.01	36.6
Total	6.16	0.10	11.4	< 0.005	0.01	—	0.01	0.01	—	0.01	36.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Consumer Products	4.47	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.37	—	—	—	—	—	—	—	—	—	—
Total	4.84	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Consumer Products	0.82	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.17	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.15
Total	1.05	0.01	1.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.15

4.4. Water Emissions by Land Use

4.4.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	132
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	< 0.005
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	118
Total	—	—	—	—	—	—	—	—	—	—	250
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	132
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	< 0.005

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	118
Total	—	—	—	—	—	—	—	—	—	—	250
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	21.8
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	< 0.005
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	19.6
Total	—	—	—	—	—	—	—	—	—	—	41.4

4.4.1. 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	105
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	< 0.005
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	107
Total	—	—	—	—	—	—	—	—	—	—	212
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	105

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	< 0.005
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	107
Total	—	—	—	—	—	—	—	—	—	—	212
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	17.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	< 0.005
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	17.7
Total	—	—	—	—	—	—	—	—	—	—	35.1

4.5. Waste Emissions by Land Use

4.5.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	134
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	292

Total	—	—	—	—	—	—	—	—	—	—	425
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	134
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	292
Total	—	—	—	—	—	—	—	—	—	—	425
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	22.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	48.3
Total	—	—	—	—	—	—	—	—	—	—	70.4

4.5.1. 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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	33.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	72.9
Total	—	—	—	—	—	—	—	—	—	—	106
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	33.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	72.9
Total	—	—	—	—	—	—	—	—	—	—	106
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5.54
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	12.1
Total	—	—	—	—	—	—	—	—	—	—	17.6

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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1.41
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	18.2
Total	—	—	—	—	—	—	—	—	—	—	19.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1.41
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	18.2
Total	—	—	—	—	—	—	—	—	—	—	19.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.23
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.01
Total	—	—	—	—	—	—	—	—	—	—	3.24

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1.41
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	18.2

Total	—	—	—	—	—	—	—	—	—	—	19.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1.41
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	18.2
Total	—	—	—	—	—	—	—	—	—	—	19.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.23
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.01
Total	—	—	—	—	—	—	—	—	—	—	3.24

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	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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	842
Total	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	842
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	842
Total	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	842
Annual	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	0.16	0.73	0.42	< 0.005	0.02	—	0.02	0.02	—	0.02	76.0
Total	0.16	0.73	0.42	< 0.005	0.02	—	0.02	0.02	—	0.02	76.0

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	842
Total	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	842
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	842
Total	1.64	7.34	4.18	0.01	0.24	—	0.24	0.24	—	0.24	842
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.16	0.73	0.42	< 0.005	0.02	—	0.02	0.02	—	0.02	76.0
Total	0.16	0.73	0.42	< 0.005	0.02	—	0.02	0.02	—	0.02	76.0

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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	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	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

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	1/3/2025	2/3/2025	5.00	22.0	—
Grading	Grading	2/4/2025	5/6/2025	5.00	66.0	—
Building Construction	Building Construction	5/7/2025	8/11/2026	5.00	330	—
Architectural Coating	Architectural Coating	8/12/2026	5/14/2027	5.00	198	—

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	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Architectural Coating	Air Compressors	Diesel	Average	2.00	6.00	37.0	0.48
Architectural Coating	Aerial Lifts	Diesel	Average	2.00	6.00	46.0	0.31

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40

Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Architectural Coating	Air Compressors	Diesel	Average	2.00	6.00	37.0	0.48
Architectural Coating	Aerial Lifts	Diesel	Average	2.00	6.00	46.0	0.31

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	12.5	12.6	LDA,LDT1,LDT2
Demolition	Vendor	—	7.75	HHDT,MHDT
Demolition	Hauling	11.8	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	12.6	LDA,LDT1,LDT2
Grading	Vendor	—	7.75	HHDT,MHDT

Grading	Hauling	100	35.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	131	12.6	LDA,LDT1,LDT2
Building Construction	Vendor	29.4	7.75	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	60.0	12.6	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.75	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	12.5	12.6	LDA,LDT1,LDT2
Demolition	Vendor	—	7.75	HHDT,MHDT
Demolition	Hauling	11.8	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	12.6	LDA,LDT1,LDT2
Grading	Vendor	—	7.75	HHDT,MHDT
Grading	Hauling	100	35.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	131	12.6	LDA,LDT1,LDT2

Building Construction	Vendor	29.4	7.75	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	60.0	12.6	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.75	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	399,504	133,168	17,423	5,808	—

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	22,494	—
Grading	0.00	46,000	44.0	0.00	—

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
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	100%
High Turnover (Sit Down Restaurant)	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	690	0.05	0.01
2026	0.00	690	0.05	0.01
2027	0.00	690	0.05	0.01

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	685	619	515	237,834	5,866	5,294	4,410	2,035,305
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Turnover (Sit Down Restaurant)	1,458	1,591	1,854	559,869	4,437	12,055	14,048	2,517,944

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	512	462	385	177,557	4,379	3,953	3,292	1,519,477
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Turnover (Sit Down Restaurant)	1,138	1,241	1,446	436,711	3,461	9,403	10,958	1,964,054

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	126
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

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

Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	126
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)
399504.14999999997	133,168	17,423	5,808	—

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	413,720	690	0.0489	0.0069	1,250,595
Enclosed Parking with Elevator	315,278	690	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	378,302	690	0.0489	0.0069	1,100,285

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	386,533	690	0.0489	0.0069	1,250,595
Enclosed Parking with Elevator	315,278	690	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	334,845	690	0.0489	0.0069	1,100,285

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	6,212,300	13,240
Enclosed Parking with Elevator	63.0	0.00
High Turnover (Sit Down Restaurant)	5,595,450	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	4,977,916	7,457
Enclosed Parking with Elevator	63.0	0.00
High Turnover (Sit Down Restaurant)	5,047,096	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	70.9	—
Enclosed Parking with Elevator	0.00	—
High Turnover (Sit Down Restaurant)	155	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	17.7	—
Enclosed Parking with Elevator	0.00	—
High Turnover (Sit Down Restaurant)	38.7	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

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

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	1.00	1.00	199	1,000	0.73

5.16.2. Process Boilers

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

Equipment Type	Fuel Type
—	—

8. User Changes to Default Data

Screen	Justification
Land Use	Project information is based on Site Plan Project Data Sheet dated July 13, 2023. Population estimate is based on LADOT VMT Calculator data. 11,615 sf of restaurant space was applied for all retail/restaurant area.
Construction: Construction Phases	Construction timeline was adjusted to account for project specific data. 28 months of construction with project buildout anticipated by 2027.
Construction: Off-Road Equipment	Construction equipment modified to account for excavation (changed grader for excavator) and added equipment to architectural coating phase.
Construction: Trips and VMT	Hauling distance increased to 35 miles (one-way) to account for distance to farthest landfill. Grading and export assumes 46,000 cy of export, 14 cy haul capacity and up to 100 haul truck trips per day. Source: Gibson Transportation Consulting Inc., Transportation Assessment for Beverly Plaza, May 2023.
Operations: Hearths	No fireplaces or wood stoves are proposed.
Operations: Emergency Generators and Fire Pumps	Emergency diesel generator added per AQMD regulatory requirements. Assumes 199 hours per year per SCAQMD permit requirements for emergency back-up generators.
Construction: Dust From Material Movement	Excavation includes export of 46,000 cy of soil.
Operations: Water and Waste Water	Indoor water use based on LASAN wastewater generation rates for Project specific land uses as summarized in Table 6.29 of the SCEA. Outdoor water use based on the Maximum Applied Water Allowance (MAWA) per C.C.R. Title 23 Model Water Efficient Landscape Ordinance calculations provided in Appendix G.7.