

**APPENDIX A:**

**AIR QUALITY MODELING AND GREENHOUSE GAS EMISSIONS  
CALCULATIONS WORKSHEETS**

*[This Page Intentionally Left Blank]*

# 11905 Wilshire Blvd - Proposed Project 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 (2023) - Unmitigated
  - 3.2. Demolition (2023) - Mitigated

3.3. Grading (2023) - Unmitigated

3.4. Grading (2023) - Mitigated

3.5. Grading (2024) - Unmitigated

3.6. Grading (2024) - Mitigated

3.7. Building Construction (2024) - Unmitigated

3.8. Building Construction (2024) - Mitigated

3.9. Building Construction (2025) - Unmitigated

3.10. Building Construction (2025) - Mitigated

3.11. Architectural Coating (2025) - Unmitigated

3.12. Architectural Coating (2025) - 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

#### 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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

8. User Changes to Default Data



# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	11905 Wilshire Blvd - Proposed Project
Construction Start Date	10/2/2023
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	18.4
Location	11905 Wilshire Blvd, Los Angeles, CA 90025, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4405
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.7

## 1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
------------------	------	------	-------------	-----------------------	------------------------	--------------------------------	------------	-------------

Apartments Mid Rise	81.0	Dwelling Unit	0.52	62,148	10,408	—	240	—
Regional Shopping Center	3.00	1000sqft	0.00	3,047	0.00	—	—	—
Quality Restaurant	1.00	1000sqft	0.00	971	0.00	—	—	—
Enclosed Parking with Elevator	105	Space	0.00	0.00	0.00	—	—	—

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Transportation	T-1	Increase Residential Density
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-15	Require All-Electric Development
Energy	E-25*	Install Electric Heat Pumps
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

\* 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	5.83	9.99	15.6	0.02	0.44	0.86	1.30	0.41	0.20	0.61	—	3,066	3,066	0.13	0.09	4.14	3,099
Mit.	5.83	9.99	15.6	0.02	0.44	0.86	1.30	0.41	0.20	0.61	—	3,066	3,066	0.13	0.09	4.14	3,099
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.82	35.3	31.2	0.11	1.15	6.13	7.28	1.07	2.08	3.15	—	16,425	16,425	0.73	1.94	0.82	17,021
Mit.	5.82	35.3	31.2	0.11	1.15	6.13	7.28	1.07	2.08	3.15	—	16,425	16,425	0.73	1.94	0.82	17,021
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.76	9.07	11.0	0.02	0.35	1.14	1.48	0.32	0.34	0.67	—	3,417	3,417	0.15	0.27	2.48	3,504
Mit.	1.76	9.07	11.0	0.02	0.35	1.14	1.48	0.32	0.34	0.67	—	3,417	3,417	0.15	0.27	2.48	3,504
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.32	1.66	2.00	< 0.005	0.06	0.21	0.27	0.06	0.06	0.12	—	566	566	0.02	0.05	0.41	580
Mit.	0.32	1.66	2.00	< 0.005	0.06	0.21	0.27	0.06	0.06	0.12	—	566	566	0.02	0.05	0.41	580
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.29	9.99	15.6	0.02	0.44	0.86	1.30	0.41	0.20	0.61	—	3,066	3,066	0.13	0.09	4.14	3,099
2025	5.83	9.42	15.2	0.02	0.39	0.86	1.25	0.36	0.20	0.57	—	3,044	3,044	0.13	0.09	3.83	3,076
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.59	27.1	17.3	0.09	0.78	5.35	6.13	0.73	1.87	2.60	—	13,589	13,589	0.68	1.85	0.71	14,157
2024	2.77	35.3	31.2	0.11	1.15	6.13	7.28	1.07	2.08	3.15	—	16,425	16,425	0.73	1.94	0.82	17,021
2025	5.82	9.46	14.5	0.02	0.39	0.86	1.25	0.36	0.20	0.57	—	3,001	3,001	0.13	0.09	0.10	3,030
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.23	3.60	2.48	0.01	0.11	0.66	0.77	0.10	0.23	0.33	—	1,701	1,701	0.08	0.22	1.45	1,772
2024	0.95	9.07	11.0	0.02	0.35	1.14	1.48	0.32	0.34	0.67	—	3,417	3,417	0.15	0.27	2.48	3,504
2025	1.76	4.59	6.73	0.01	0.16	0.29	0.45	0.15	0.07	0.22	—	1,214	1,214	0.05	0.03	0.55	1,225
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.04	0.66	0.45	< 0.005	0.02	0.12	0.14	0.02	0.04	0.06	—	282	282	0.01	0.04	0.24	293
2024	0.17	1.66	2.00	< 0.005	0.06	0.21	0.27	0.06	0.06	0.12	—	566	566	0.02	0.05	0.41	580
2025	0.32	0.84	1.23	< 0.005	0.03	0.05	0.08	0.03	0.01	0.04	—	201	201	0.01	< 0.005	0.09	203

## 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.29	9.99	15.6	0.02	0.44	0.86	1.30	0.41	0.20	0.61	—	3,066	3,066	0.13	0.09	4.14	3,099
2025	5.83	9.42	15.2	0.02	0.39	0.86	1.25	0.36	0.20	0.57	—	3,044	3,044	0.13	0.09	3.83	3,076
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.59	27.1	17.3	0.09	0.78	5.35	6.13	0.73	1.87	2.60	—	13,589	13,589	0.68	1.85	0.71	14,157
2024	2.77	35.3	31.2	0.11	1.15	6.13	7.28	1.07	2.08	3.15	—	16,425	16,425	0.73	1.94	0.82	17,021
2025	5.82	9.46	14.5	0.02	0.39	0.86	1.25	0.36	0.20	0.57	—	3,001	3,001	0.13	0.09	0.10	3,030
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.23	3.60	2.48	0.01	0.11	0.66	0.77	0.10	0.23	0.33	—	1,701	1,701	0.08	0.22	1.45	1,772
2024	0.95	9.07	11.0	0.02	0.35	1.14	1.48	0.32	0.34	0.67	—	3,417	3,417	0.15	0.27	2.48	3,504
2025	1.76	4.59	6.73	0.01	0.16	0.29	0.45	0.15	0.07	0.22	—	1,214	1,214	0.05	0.03	0.55	1,225
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.04	0.66	0.45	< 0.005	0.02	0.12	0.14	0.02	0.04	0.06	—	282	282	0.01	0.04	0.24	293
2024	0.17	1.66	2.00	< 0.005	0.06	0.21	0.27	0.06	0.06	0.12	—	566	566	0.02	0.05	0.41	580
2025	0.32	0.84	1.23	< 0.005	0.03	0.05	0.08	0.03	0.01	0.04	—	201	201	0.01	< 0.005	0.09	203

## 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
---------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.05	5.57	25.2	0.05	0.17	1.45	1.61	0.17	0.26	0.42	41.3	5,576	5,617	4.45	0.20	17.3	5,804
Mit.	4.17	4.71	17.7	0.03	0.14	0.85	1.00	0.14	0.15	0.29	15.8	3,601	3,617	1.79	0.12	11.0	3,710
% Reduced	18%	15%	30%	39%	16%	41%	38%	16%	41%	31%	62%	35%	36%	60%	37%	36%	36%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.58	5.68	19.1	0.04	0.17	1.45	1.61	0.16	0.26	0.42	41.3	5,388	5,429	4.46	0.21	2.38	5,604
Mit.	3.70	4.76	12.2	0.03	0.14	0.85	0.99	0.14	0.15	0.29	15.8	3,485	3,501	1.79	0.13	2.21	3,587
% Reduced	19%	16%	36%	39%	16%	41%	38%	16%	41%	31%	62%	35%	36%	60%	37%	7%	36%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.89	2.08	18.7	0.04	0.05	1.25	1.31	0.05	0.22	0.27	41.3	4,519	4,560	4.42	0.18	7.73	4,732
Mit.	3.09	1.22	12.3	0.02	0.03	0.72	0.74	0.02	0.13	0.15	15.8	2,752	2,767	1.76	0.11	5.27	2,850
% Reduced	21%	41%	34%	44%	51%	43%	43%	51%	43%	44%	62%	39%	39%	60%	38%	32%	40%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.71	0.38	3.42	0.01	0.01	0.23	0.24	0.01	0.04	0.05	6.84	748	755	0.73	0.03	1.28	783
Mit.	0.56	0.22	2.24	< 0.005	< 0.005	0.13	0.14	< 0.005	0.02	0.03	2.61	456	458	0.29	0.02	0.87	472
% Reduced	21%	41%	34%	44%	51%	43%	43%	51%	43%	44%	62%	39%	39%	60%	38%	32%	40%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

Mit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

## 2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.25	1.62	18.2	0.04	0.03	1.45	1.47	0.03	0.26	0.28	—	4,183	4,183	0.21	0.17	15.4	4,255
Area	1.97	0.05	4.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.0	13.0	< 0.005	< 0.005	—	13.1
Energy	0.01	0.23	0.11	< 0.005	0.02	—	0.02	0.02	—	0.02	—	912	912	0.07	0.01	—	916
Water	—	—	—	—	—	—	—	—	—	—	6.79	47.4	54.2	0.70	0.02	—	76.8
Waste	—	—	—	—	—	—	—	—	—	—	34.5	0.00	34.5	3.45	0.00	—	121
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.98	1.98
Stationar y	0.82	3.67	2.09	< 0.005	0.12	—	0.12	0.12	—	0.12	—	420	420	0.02	< 0.005	—	421
Total	5.05	5.57	25.2	0.05	0.17	1.45	1.61	0.17	0.26	0.42	41.3	5,576	5,617	4.45	0.20	17.3	5,804
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.21	1.77	16.9	0.04	0.03	1.45	1.47	0.03	0.26	0.28	—	4,008	4,008	0.22	0.18	0.40	4,068
Area	1.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.23	0.11	< 0.005	0.02	—	0.02	0.02	—	0.02	—	912	912	0.07	0.01	—	916
Water	—	—	—	—	—	—	—	—	—	—	6.79	47.4	54.2	0.70	0.02	—	76.8

Waste	—	—	—	—	—	—	—	—	—	—	34.5	0.00	34.5	3.45	0.00	—	121
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.98	1.98
Stationary	0.82	3.67	2.09	< 0.005	0.12	—	0.12	0.12	—	0.12	—	420	420	0.02	< 0.005	—	421
Total	4.58	5.68	19.1	0.04	0.17	1.45	1.61	0.16	0.26	0.42	41.3	5,388	5,429	4.46	0.21	2.38	5,604
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.99	1.58	15.2	0.03	0.02	1.25	1.28	0.02	0.22	0.25	—	3,523	3,523	0.20	0.16	5.75	3,580
Area	1.84	0.03	3.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.91	8.91	< 0.005	< 0.005	—	8.94
Energy	0.01	0.23	0.11	< 0.005	0.02	—	0.02	0.02	—	0.02	—	912	912	0.07	0.01	—	916
Water	—	—	—	—	—	—	—	—	—	—	6.79	47.4	54.2	0.70	0.02	—	76.8
Waste	—	—	—	—	—	—	—	—	—	—	34.5	0.00	34.5	3.45	0.00	—	121
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.98	1.98
Stationary	0.05	0.24	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.6	27.6	< 0.005	< 0.005	—	27.7
Total	3.89	2.08	18.7	0.04	0.05	1.25	1.31	0.05	0.22	0.27	41.3	4,519	4,560	4.42	0.18	7.73	4,732
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.36	0.29	2.78	0.01	< 0.005	0.23	0.23	< 0.005	0.04	0.04	—	583	583	0.03	0.03	0.95	593
Area	0.33	0.01	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.47	1.47	< 0.005	< 0.005	—	1.48
Energy	< 0.005	0.04	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	151	151	0.01	< 0.005	—	152
Water	—	—	—	—	—	—	—	—	—	—	1.12	7.85	8.98	0.12	< 0.005	—	12.7
Waste	—	—	—	—	—	—	—	—	—	—	5.71	0.00	5.71	0.57	0.00	—	20.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.33	0.33
Stationary	0.01	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.57	4.57	< 0.005	< 0.005	—	4.58
Total	0.71	0.38	3.42	0.01	0.01	0.23	0.24	0.01	0.04	0.05	6.84	748	755	0.73	0.03	1.28	783

## 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.37	0.97	10.8	0.02	0.02	0.85	0.87	0.01	0.15	0.17	—	2,473	2,473	0.13	0.10	9.07	2,516
Area	1.97	0.05	4.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.0	13.0	< 0.005	< 0.005	—	13.1
Energy	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	657	657	0.05	0.01	—	660
Water	—	—	—	—	—	—	—	—	—	—	5.43	37.9	43.4	0.56	0.01	—	61.4
Waste	—	—	—	—	—	—	—	—	—	—	10.4	0.00	10.4	1.03	0.00	—	36.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.98	1.98
Stationary	0.82	3.67	2.09	< 0.005	0.12	—	0.12	0.12	—	0.12	—	420	420	0.02	< 0.005	—	421
Total	4.17	4.71	17.7	0.03	0.14	0.85	1.00	0.14	0.15	0.29	15.8	3,601	3,617	1.79	0.12	11.0	3,710
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.35	1.06	10.1	0.02	0.02	0.85	0.87	0.01	0.15	0.17	—	2,370	2,370	0.14	0.11	0.24	2,405
Area	1.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	657	657	0.05	0.01	—	660
Water	—	—	—	—	—	—	—	—	—	—	5.43	37.9	43.4	0.56	0.01	—	61.4
Waste	—	—	—	—	—	—	—	—	—	—	10.4	0.00	10.4	1.03	0.00	—	36.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.98	1.98
Stationary	0.82	3.67	2.09	< 0.005	0.12	—	0.12	0.12	—	0.12	—	420	420	0.02	< 0.005	—	421
Total	3.70	4.76	12.2	0.03	0.14	0.85	0.99	0.14	0.15	0.29	15.8	3,485	3,501	1.79	0.13	2.21	3,587
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.20	0.92	8.85	0.02	0.01	0.72	0.73	0.01	0.13	0.14	—	2,020	2,020	0.12	0.09	3.29	2,054
Area	1.84	0.03	3.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.91	8.91	< 0.005	< 0.005	—	8.94
Energy	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	657	657	0.05	0.01	—	660

Water	—	—	—	—	—	—	—	—	—	—	5.43	37.9	43.4	0.56	0.01	—	61.4
Waste	—	—	—	—	—	—	—	—	—	—	10.4	0.00	10.4	1.03	0.00	—	36.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.98	1.98
Stationary	0.05	0.24	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.6	27.6	< 0.005	< 0.005	—	27.7
Total	3.09	1.22	12.3	0.02	0.03	0.72	0.74	0.02	0.13	0.15	15.8	2,752	2,767	1.76	0.11	5.27	2,850
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.22	0.17	1.62	< 0.005	< 0.005	0.13	0.13	< 0.005	0.02	0.03	—	334	334	0.02	0.02	0.54	340
Area	0.33	0.01	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.47	1.47	< 0.005	< 0.005	—	1.48
Energy	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	109	109	0.01	< 0.005	—	109
Water	—	—	—	—	—	—	—	—	—	—	0.90	6.28	7.18	0.09	< 0.005	—	10.2
Waste	—	—	—	—	—	—	—	—	—	—	1.71	0.00	1.71	0.17	0.00	—	6.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.33	0.33
Stationary	0.01	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.57	4.57	< 0.005	< 0.005	—	4.58
Total	0.56	0.22	2.24	< 0.005	< 0.005	0.13	0.14	< 0.005	0.02	0.03	2.61	456	458	0.29	0.02	0.87	472

## 3. Construction Emissions Details

### 3.1. Demolition (2023) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.54	4.99	5.91	0.01	0.21	—	0.21	0.20	—	0.20	—	852	852	0.03	0.01	—	855
Demolition	—	—	—	—	—	0.22	0.22	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.30	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	51.4	51.4	< 0.005	< 0.005	—	51.5
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	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.50	8.50	< 0.005	< 0.005	—	8.53
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.69	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	137	137	0.01	< 0.005	0.02	138
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.42	0.15	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	321	321	0.02	0.05	0.02	337
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.37	8.37	< 0.005	< 0.005	0.02	8.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.4	19.4	< 0.005	< 0.005	0.02	20.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.39	1.39	< 0.005	< 0.005	< 0.005	1.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.20	3.20	< 0.005	< 0.005	< 0.005	3.36

### 3.2. Demolition (2023) - 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	4.99	5.91	0.01	0.21	—	0.21	0.20	—	0.20	—	852	852	0.03	0.01	—	855
Demolition	—	—	—	—	—	0.22	0.22	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.30	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	51.4	51.4	< 0.005	< 0.005	—	51.5
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	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.50	8.50	< 0.005	< 0.005	—	8.53
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.69	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	137	137	0.01	< 0.005	0.02	138
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.42	0.15	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	321	321	0.02	0.05	0.02	337
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.37	8.37	< 0.005	< 0.005	0.02	8.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.4	19.4	< 0.005	< 0.005	0.02	20.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.39	1.39	< 0.005	< 0.005	< 0.005	1.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.20	3.20	< 0.005	< 0.005	< 0.005	3.36

### 3.3. Grading (2023) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.39	13.5	12.4	0.02	0.63	—	0.63	0.58	—	0.58	—	1,855	1,855	0.08	0.02	—	1,861
Dust From Material Movement	—	—	—	—	—	2.07	2.07	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.61	1.48	< 0.005	0.08	—	0.08	0.07	—	0.07	—	221	221	0.01	< 0.005	—	222
Dust From Material Movement	—	—	—	—	—	0.25	0.25	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.29	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	36.7	36.7	< 0.005	< 0.005	—	36.8
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.69	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	137	137	0.01	< 0.005	0.02	138
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.16	13.6	4.19	0.07	0.15	3.14	3.29	0.15	0.84	0.99	—	11,597	11,597	0.60	1.83	0.70	12,158
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.6	16.6	< 0.005	< 0.005	0.03	16.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.66	0.50	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,384	1,384	0.07	0.22	1.38	1,453
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.74	2.74	< 0.005	< 0.005	0.01	2.78
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.30	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	229	229	0.01	0.04	0.23	240

### 3.4. Grading (2023) - 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.39	13.5	12.4	0.02	0.63	—	0.63	0.58	—	0.58	—	1,855	1,855	0.08	0.02	—	1,861
Dust From Material Movement	—	—	—	—	—	2.07	2.07	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.61	1.48	< 0.005	0.08	—	0.08	0.07	—	0.07	—	221	221	0.01	< 0.005	—	222
Dust From Material Movement	—	—	—	—	—	0.25	0.25	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.29	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	36.7	36.7	< 0.005	< 0.005	—	36.8
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.69	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	137	137	0.01	< 0.005	0.02	138
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.16	13.6	4.19	0.07	0.15	3.14	3.29	0.15	0.84	0.99	—	11,597	11,597	0.60	1.83	0.70	12,158
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.6	16.6	< 0.005	< 0.005	0.03	16.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.66	0.50	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,384	1,384	0.07	0.22	1.38	1,453
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.74	2.74	< 0.005	< 0.005	0.01	2.78
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.30	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	229	229	0.01	0.04	0.23	240

### 3.5. Grading (2024) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	12.2	11.7	0.02	0.56	—	0.56	0.52	—	0.52	—	1,855	1,855	0.08	0.02	—	1,861

Dust From Material Movement	—	—	—	—	—	2.07	2.07	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.46	1.40	< 0.005	0.07	—	0.07	0.06	—	0.06	—	221	221	0.01	< 0.005	—	222
Dust From Material Movement	—	—	—	—	—	0.25	0.25	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.27	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	36.7	36.7	< 0.005	< 0.005	—	36.8
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.06	0.64	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	134	134	0.01	< 0.005	0.01	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.16	12.9	3.97	0.07	0.15	3.07	3.22	0.15	0.84	0.99	—	11,414	11,414	0.52	1.83	0.70	11,973

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.2	16.2	< 0.005	< 0.005	0.03	16.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.58	0.47	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,363	1,363	0.06	0.22	1.38	1,431
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.68	2.68	< 0.005	< 0.005	< 0.005	2.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.29	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	226	226	0.01	0.04	0.23	237

### 3.6. Grading (2024) - 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	12.2	11.7	0.02	0.56	—	0.56	0.52	—	0.52	—	1,855	1,855	0.08	0.02	—	1,861
Dust From Material Movement	—	—	—	—	—	2.07	2.07	—	1.00	1.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.46	1.40	< 0.005	0.07	—	0.07	0.06	—	0.06	—	221	221	0.01	< 0.005	—	222

Dust From Material Movement	—	—	—	—	—	0.25	0.25	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.27	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	36.7	36.7	< 0.005	< 0.005	—	36.8
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.06	0.64	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	134	134	0.01	< 0.005	0.01	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.16	12.9	3.97	0.07	0.15	3.07	3.22	0.15	0.84	0.99	—	11,414	11,414	0.52	1.83	0.70	11,973
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.2	16.2	< 0.005	< 0.005	0.03	16.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.58	0.47	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,363	1,363	0.06	0.22	1.38	1,431
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.68	2.68	< 0.005	< 0.005	< 0.005	2.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	0.29	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	226	226	0.01	0.04	0.23	237
---------	---------	------	------	---------	---------	------	------	---------	------	------	---	-----	-----	------	------	------	-----

### 3.7. Building Construction (2024) - 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	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	9.35	10.9	0.02	0.44	—	0.44	0.40	—	0.40	—	1,922	1,922	0.08	0.02	—	1,929
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	9.35	10.9	0.02	0.44	—	0.44	0.40	—	0.40	—	1,922	1,922	0.08	0.02	—	1,929
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	5.60	6.52	0.01	0.26	—	0.26	0.24	—	0.24	—	1,151	1,151	0.05	0.01	—	1,155
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.02	1.19	< 0.005	0.05	—	0.05	0.04	—	0.04	—	191	191	0.01	< 0.005	—	191
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.29	4.50	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	843	843	0.03	0.03	3.33	856
Vendor	0.01	0.35	0.17	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	301	301	0.01	0.04	0.81	314
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.34	3.81	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	799	799	0.04	0.03	0.09	809
Vendor	0.01	0.37	0.18	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	301	301	0.01	0.04	0.02	313
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.20	2.40	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	486	486	0.02	0.02	0.86	492
Vendor	0.01	0.22	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	180	180	0.01	0.02	0.21	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.44	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	80.4	80.4	< 0.005	< 0.005	0.14	81.5
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.8	29.8	< 0.005	< 0.005	0.03	31.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.8. Building Construction (2024) - 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.01	9.35	10.9	0.02	0.44	—	0.44	0.40	—	0.40	—	1,922	1,922	0.08	0.02	—	1,929
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	9.35	10.9	0.02	0.44	—	0.44	0.40	—	0.40	—	1,922	1,922	0.08	0.02	—	1,929
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	5.60	6.52	0.01	0.26	—	0.26	0.24	—	0.24	—	1,151	1,151	0.05	0.01	—	1,155
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.02	1.19	< 0.005	0.05	—	0.05	0.04	—	0.04	—	191	191	0.01	< 0.005	—	191
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.29	4.50	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	843	843	0.03	0.03	3.33	856
Vendor	0.01	0.35	0.17	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	301	301	0.01	0.04	0.81	314
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.34	3.81	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	799	799	0.04	0.03	0.09	809

Vendor	0.01	0.37	0.18	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	301	301	0.01	0.04	0.02	313
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.20	2.40	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	486	486	0.02	0.02	0.86	492
Vendor	0.01	0.22	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	180	180	0.01	0.02	0.21	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.44	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	80.4	80.4	< 0.005	< 0.005	0.14	81.5
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.8	29.8	< 0.005	< 0.005	0.03	31.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.9. 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	8.82	10.8	0.02	0.39	—	0.39	0.36	—	0.36	—	1,922	1,922	0.08	0.02	—	1,929
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	8.82	10.8	0.02	0.39	—	0.39	0.36	—	0.36	—	1,922	1,922	0.08	0.02	—	1,929
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00



Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.61	3.20	0.01	0.12	—	0.12	0.11	—	0.11	—	568	568	0.02	< 0.005	—	570
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.48	0.58	< 0.005	0.02	—	0.02	0.02	—	0.02	—	94.1	94.1	< 0.005	< 0.005	—	94.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	4.15	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	825	825	0.03	0.03	3.02	838
Vendor	0.01	0.34	0.16	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	296	296	0.01	0.04	0.81	309
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.29	3.52	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	782	782	0.04	0.03	0.08	792
Vendor	0.01	0.35	0.17	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	296	296	0.01	0.04	0.02	308
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	1.09	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	235	235	0.01	0.01	0.39	238
Vendor	< 0.005	0.10	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	87.4	87.4	< 0.005	0.01	0.10	91.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.8	38.8	< 0.005	< 0.005	0.06	39.4

Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.5	14.5	< 0.005	< 0.005	0.02	15.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.10. 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	8.82	10.8	0.02	0.39	—	0.39	0.36	—	0.36	—	1,922	1,922	0.08	0.02	—	1,929
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	8.82	10.8	0.02	0.39	—	0.39	0.36	—	0.36	—	1,922	1,922	0.08	0.02	—	1,929
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.61	3.20	0.01	0.12	—	0.12	0.11	—	0.11	—	568	568	0.02	< 0.005	—	570
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.48	0.58	< 0.005	0.02	—	0.02	0.02	—	0.02	—	94.1	94.1	< 0.005	< 0.005	—	94.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	4.15	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	825	825	0.03	0.03	3.02	838
Vendor	0.01	0.34	0.16	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	296	296	0.01	0.04	0.81	309
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.29	3.52	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	782	782	0.04	0.03	0.08	792
Vendor	0.01	0.35	0.17	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	296	296	0.01	0.04	0.02	308
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	1.09	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	235	235	0.01	0.01	0.39	238
Vendor	< 0.005	0.10	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	87.4	87.4	< 0.005	0.01	0.10	91.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.8	38.8	< 0.005	< 0.005	0.06	39.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.5	14.5	< 0.005	< 0.005	0.02	15.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.11. Architectural Coating (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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.93	7.33	9.15	0.01	0.19	—	0.19	0.18	—	0.18	—	1,185	1,185	0.05	0.01	—	1,189
Architectural Coatings	4.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	7.33	9.15	0.01	0.19	—	0.19	0.18	—	0.18	—	1,185	1,185	0.05	0.01	—	1,189
Architectural Coatings	4.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	1.77	2.21	< 0.005	0.05	—	0.05	0.04	—	0.04	—	286	286	0.01	< 0.005	—	287
Architectural Coatings	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.32	0.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.3	47.3	< 0.005	< 0.005	—	47.5
Architectural Coatings	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.83	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	165	165	0.01	0.01	0.60	168
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.70	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	156	156	0.01	0.01	0.02	158
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.3	38.3	< 0.005	< 0.005	0.06	38.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.34	6.34	< 0.005	< 0.005	0.01	6.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.12. Architectural Coating (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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.93	7.33	9.15	0.01	0.19	—	0.19	0.18	—	0.18	—	1,185	1,185	0.05	0.01	—	1,189
Architectural Coatings	4.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	7.33	9.15	0.01	0.19	—	0.19	0.18	—	0.18	—	1,185	1,185	0.05	0.01	—	1,189
Architectural Coatings	4.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	1.77	2.21	< 0.005	0.05	—	0.05	0.04	—	0.04	—	286	286	0.01	< 0.005	—	287
Architectural Coatings	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.32	0.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.3	47.3	< 0.005	< 0.005	—	47.5
Architectural Coatings	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.83	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	165	165	0.01	0.01	0.60	168
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.70	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	156	156	0.01	0.01	0.02	158
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.3	38.3	< 0.005	< 0.005	0.06	38.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.34	6.34	< 0.005	< 0.005	0.01	6.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

## 4. Operations Emissions Details

### 4.1. Mobile Emissions by Land Use

#### 4.1.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.52	1.18	13.4	0.03	0.02	1.09	1.11	0.02	0.19	0.21	—	3,144	3,144	0.15	0.12	11.6	3,196
Regional Shopping Center	0.42	0.22	2.35	< 0.005	< 0.005	0.16	0.16	< 0.005	0.03	0.03	—	462	462	0.03	0.02	1.65	471
Quality Restaurant	0.30	0.22	2.50	0.01	< 0.005	0.20	0.20	< 0.005	0.04	0.04	—	577	577	0.03	0.02	2.12	587
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	0.00	0.00	0.00	0.00	0.00
Total	2.25	1.62	18.2	0.04	0.03	1.45	1.47	0.03	0.26	0.28	—	4,183	4,183	0.21	0.17	15.4	4,255
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.50	1.29	12.3	0.03	0.02	1.09	1.11	0.02	0.19	0.21	—	3,012	3,012	0.16	0.13	0.30	3,055
Regional Shopping Center	0.41	0.24	2.28	< 0.005	< 0.005	0.16	0.16	< 0.005	0.03	0.03	—	443	443	0.03	0.02	0.04	451
Quality Restaurant	0.30	0.24	2.31	0.01	< 0.005	0.20	0.20	< 0.005	0.04	0.04	—	553	553	0.03	0.02	0.05	561
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	0.00	0.00	0.00	0.00	0.00
Total	2.21	1.77	16.9	0.04	0.03	1.45	1.47	0.03	0.26	0.28	—	4,008	4,008	0.22	0.18	0.40	4,068
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.26	0.23	2.19	0.01	< 0.005	0.19	0.19	< 0.005	0.03	0.04	—	480	480	0.02	0.02	0.79	487



Regional Shopping Center	0.06	0.03	0.32	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	54.5	54.5	< 0.005	< 0.005	0.09	55.6
Quality Restaurant	0.05	0.03	0.27	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	49.0	49.0	< 0.005	< 0.005	0.08	49.9
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	0.00	0.00	0.00	0.00	0.00
Total	0.36	0.29	2.78	0.01	< 0.005	0.23	0.23	< 0.005	0.04	0.04	—	583	583	0.03	0.03	0.95	593

#### 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.80	0.62	7.07	0.02	0.01	0.58	0.59	0.01	0.10	0.11	—	1,663	1,663	0.08	0.07	6.13	1,690
Regional Shopping Center	0.33	0.17	1.83	< 0.005	< 0.005	0.12	0.12	< 0.005	0.02	0.02	—	360	360	0.03	0.02	1.29	368
Quality Restaurant	0.24	0.17	1.95	< 0.005	< 0.005	0.16	0.16	< 0.005	0.03	0.03	—	450	450	0.02	0.02	1.65	458
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	0.00	0.00	0.00	0.00	0.00
Total	1.37	0.97	10.8	0.02	0.02	0.85	0.87	0.01	0.15	0.17	—	2,473	2,473	0.13	0.10	9.07	2,516
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartmen ts	0.79	0.68	6.50	0.02	0.01	0.58	0.59	0.01	0.10	0.11	—	1,593	1,593	0.08	0.07	0.16	1,616
Regional Shopping Center	0.32	0.19	1.78	< 0.005	< 0.005	0.12	0.12	< 0.005	0.02	0.02	—	346	346	0.03	0.02	0.03	352
Quality Restaurant	0.23	0.19	1.81	< 0.005	< 0.005	0.16	0.16	< 0.005	0.03	0.03	—	431	431	0.02	0.02	0.04	438
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	0.00	0.00	0.00	0.00	0.00
Total	1.35	1.06	10.1	0.02	0.02	0.85	0.87	0.01	0.15	0.17	—	2,370	2,370	0.14	0.11	0.24	2,405
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	0.14	0.12	1.16	< 0.005	< 0.005	0.10	0.10	< 0.005	0.02	0.02	—	254	254	0.01	0.01	0.42	258
Regional Shopping Center	0.05	0.03	0.25	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	42.5	42.5	< 0.005	< 0.005	0.07	43.4
Quality Restaurant	0.04	0.02	0.21	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	38.2	38.2	< 0.005	< 0.005	0.06	38.9
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	0.00	0.00	0.00	0.00	0.00
Total	0.22	0.17	1.62	< 0.005	< 0.005	0.13	0.13	< 0.005	0.02	0.03	—	334	334	0.02	0.02	0.54	340

## 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	R	CO2e
----------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	503	503	0.04	0.01	—	505
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	57.4	57.4	< 0.005	< 0.005	—	57.7
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	59.8	59.8	< 0.005	< 0.005	—	60.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	620	620	0.04	0.01	—	623
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	503	503	0.04	0.01	—	505
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	57.4	57.4	< 0.005	< 0.005	—	57.7
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	59.8	59.8	< 0.005	< 0.005	—	60.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	620	620	0.04	0.01	—	623
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	83.3	83.3	0.01	< 0.005	—	83.7

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	9.50	9.50	< 0.005	< 0.005	—	9.55
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	9.90	9.90	< 0.005	< 0.005	—	9.95
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	103	103	0.01	< 0.005	—	103

#### 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	506	506	0.04	0.01	—	508
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	57.4	57.4	< 0.005	< 0.005	—	57.7
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	59.8	59.8	< 0.005	< 0.005	—	60.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	623	623	0.04	0.01	—	626
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartmen ts	—	—	—	—	—	—	—	—	—	—	—	506	506	0.04	0.01	—	508
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	57.4	57.4	< 0.005	< 0.005	—	57.7
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	59.8	59.8	< 0.005	< 0.005	—	60.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	623	623	0.04	0.01	—	626
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	83.7	83.7	0.01	< 0.005	—	84.1
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	9.50	9.50	< 0.005	< 0.005	—	9.55
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	9.90	9.90	< 0.005	< 0.005	—	9.95
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	103	103	0.01	< 0.005	—	104

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

Apartmen ts	0.01	0.20	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	258	258	0.02	< 0.005	—	258
Regional Shopping Center	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.81	4.81	< 0.005	< 0.005	—	4.82
Quality Restaurant	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.5	29.5	< 0.005	< 0.005	—	29.6
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	0.00	—	0.00
Total	0.01	0.23	0.11	< 0.005	0.02	—	0.02	0.02	—	0.02	—	292	292	0.03	< 0.005	—	293
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	0.01	0.20	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	258	258	0.02	< 0.005	—	258
Regional Shopping Center	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.81	4.81	< 0.005	< 0.005	—	4.82
Quality Restaurant	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.5	29.5	< 0.005	< 0.005	—	29.6
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	0.00	—	0.00
Total	0.01	0.23	0.11	< 0.005	0.02	—	0.02	0.02	—	0.02	—	292	292	0.03	< 0.005	—	293
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	< 0.005	0.04	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.7	42.7	< 0.005	< 0.005	—	42.8
Regional Shopping Center	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.80	0.80	< 0.005	< 0.005	—	0.80

Quality Restaurant	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.88	4.88	< 0.005	< 0.005	—	4.89
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	0.00	—	0.00
Total	< 0.005	0.04	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48.3	48.3	< 0.005	< 0.005	—	48.5

#### 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.81	4.81	< 0.005	< 0.005	—	4.82
Quality Restaurant	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.5	29.5	< 0.005	< 0.005	—	29.6
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	0.00	—	0.00
Total	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	34.3	34.3	< 0.005	< 0.005	—	34.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.81	4.81	< 0.005	< 0.005	—	4.82
Quality Restaurant	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.5	29.5	< 0.005	< 0.005	—	29.6
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	0.00	—	0.00
Total	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	34.3	34.3	< 0.005	< 0.005	—	34.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.80	0.80	< 0.005	< 0.005	—	0.80
Quality Restaurant	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.88	4.88	< 0.005	< 0.005	—	4.89
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	0.00	—	0.00
Total	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.68	5.68	< 0.005	< 0.005	—	5.69

### 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Consume Products	1.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectu ral Coatings	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscap e Equipme nt	0.44	0.05	4.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.0	13.0	< 0.005	< 0.005	—	13.1
Total	1.97	0.05	4.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.0	13.0	< 0.005	< 0.005	—	13.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consume r Products	1.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectu ral Coatings	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consume r Products	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectu ral Coatings	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscap e Equipme nt	0.06	0.01	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.47	1.47	< 0.005	< 0.005	—	1.48
Total	0.33	0.01	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.47	1.47	< 0.005	< 0.005	—	1.48

## 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.44	0.05	4.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.0	13.0	< 0.005	< 0.005	—	13.1
Total	1.97	0.05	4.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.0	13.0	< 0.005	< 0.005	—	13.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscap e Equipme	0.06	0.01	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.47	1.47	< 0.005	< 0.005	—	1.48
Total	0.33	0.01	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.47	1.47	< 0.005	< 0.005	—	1.48

## 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	5.79	40.7	46.5	0.60	0.01	—	65.7
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.43	2.86	3.29	0.04	< 0.005	—	4.70
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.58	3.91	4.49	0.06	< 0.005	—	6.42
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	6.79	47.4	54.2	0.70	0.02	—	76.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	5.79	40.7	46.5	0.60	0.01	—	65.7

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.43	2.86	3.29	0.04	< 0.005	—	4.70
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.58	3.91	4.49	0.06	< 0.005	—	6.42
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	6.79	47.4	54.2	0.70	0.02	—	76.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.96	6.73	7.69	0.10	< 0.005	—	10.9
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.07	0.47	0.54	0.01	< 0.005	—	0.78
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.10	0.65	0.74	0.01	< 0.005	—	1.06
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	1.12	7.85	8.98	0.12	< 0.005	—	12.7

#### 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.63	32.5	37.2	0.48	0.01	—	52.5

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.34	2.29	2.63	0.04	< 0.005	—	3.76
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.47	3.13	3.59	0.05	< 0.005	—	5.14
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	5.43	37.9	43.4	0.56	0.01	—	61.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.63	32.5	37.2	0.48	0.01	—	52.5
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.34	2.29	2.63	0.04	< 0.005	—	3.76
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.47	3.13	3.59	0.05	< 0.005	—	5.14
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	5.43	37.9	43.4	0.56	0.01	—	61.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.77	5.39	6.15	0.08	< 0.005	—	8.70
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.06	0.38	0.44	0.01	< 0.005	—	0.62
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.08	0.52	0.59	0.01	< 0.005	—	0.85

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	0.90	6.28	7.18	0.09	< 0.005	—	10.2

## 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	32.3	0.00	32.3	3.23	0.00	—	113
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	1.70	0.00	1.70	0.17	0.00	—	5.94
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.49	0.00	0.49	0.05	0.00	—	1.72
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	34.5	0.00	34.5	3.45	0.00	—	121
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	32.3	0.00	32.3	3.23	0.00	—	113

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	1.70	0.00	1.70	0.17	0.00	—	5.94
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.49	0.00	0.49	0.05	0.00	—	1.72
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	34.5	0.00	34.5	3.45	0.00	—	121
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5.35	0.00	5.35	0.53	0.00	—	18.7
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.28	0.00	0.28	0.03	0.00	—	0.98
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.08	0.00	0.08	0.01	0.00	—	0.28
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	5.71	0.00	5.71	0.57	0.00	—	20.0

#### 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	9.69	0.00	9.69	0.97	0.00	—	33.9

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.51	0.00	0.51	0.05	0.00	—	1.78
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.15	0.00	0.15	0.01	0.00	—	0.52
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	10.4	0.00	10.4	1.03	0.00	—	36.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	9.69	0.00	9.69	0.97	0.00	—	33.9
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.51	0.00	0.51	0.05	0.00	—	1.78
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.15	0.00	0.15	0.01	0.00	—	0.52
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	10.4	0.00	10.4	1.03	0.00	—	36.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1.60	0.00	1.60	0.16	0.00	—	5.62
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	0.08	0.00	0.08	0.01	0.00	—	0.30
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.02	0.00	0.02	< 0.005	0.00	—	0.09



Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	1.71	0.00	1.71	0.17	0.00	—	6.00

## 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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45	0.45
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.52	1.52
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.98	1.98
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45	0.45
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.52	1.52

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.98	1.98
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.33	0.33

#### 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45	0.45
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.52	1.52
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.98	1.98
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartmen ts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45	0.45

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.52	1.52
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.98	1.98
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.33	0.33

## 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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

#### 4.7.2. Mitigated

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

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

#### 4.8. Stationary Emissions By Equipment Type

##### 4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.82	3.67	2.09	< 0.005	0.12	—	0.12	0.12	—	0.12	—	420	420	0.02	< 0.005	—	421

Total	0.82	3.67	2.09	< 0.005	0.12	—	0.12	0.12	—	0.12	—	420	420	0.02	< 0.005	—	421
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.82	3.67	2.09	< 0.005	0.12	—	0.12	0.12	—	0.12	—	420	420	0.02	< 0.005	—	421
Total	0.82	3.67	2.09	< 0.005	0.12	—	0.12	0.12	—	0.12	—	420	420	0.02	< 0.005	—	421
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.01	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.57	4.57	< 0.005	< 0.005	—	4.58
Total	0.01	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.57	4.57	< 0.005	< 0.005	—	4.58

#### 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.82	3.67	2.09	< 0.005	0.12	—	0.12	0.12	—	0.12	—	420	420	0.02	< 0.005	—	421
Total	0.82	3.67	2.09	< 0.005	0.12	—	0.12	0.12	—	0.12	—	420	420	0.02	< 0.005	—	421
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	0.82	3.67	2.09	< 0.005	0.12	—	0.12	0.12	—	0.12	—	420	420	0.02	< 0.005	—	421
Total	0.82	3.67	2.09	< 0.005	0.12	—	0.12	0.12	—	0.12	—	420	420	0.02	< 0.005	—	421
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.01	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.57	4.57	< 0.005	< 0.005	—	4.58
Total	0.01	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.57	4.57	< 0.005	< 0.005	—	4.58

## 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	10/2/2023	10/31/2023	5.00	22.0	—
Grading	Grading	11/1/2023	3/1/2024	5.00	88.0	—
Building Construction	Building Construction	3/1/2024	5/31/2025	5.00	326	—
Architectural Coatings	Architectural Coating	6/1/2025	10/1/2025	5.00	88.0	—

### 5.2. Off-Road Equipment

#### 5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	1.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37

Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29
Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Architectural Coatings	Air Compressors	Diesel	Average	5.00	8.00	37.0	0.48
Architectural Coatings	Aerial Lifts	Diesel	Average	2.00	8.00	46.0	0.31
Building Construction	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Building Construction	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56

### 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	1.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	6.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	6.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	4.00	367	0.29

Building Construction	Forklifts	Diesel	Average	2.00	6.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Architectural Coatings	Air Compressors	Diesel	Average	5.00	8.00	37.0	0.48
Architectural Coatings	Aerial Lifts	Diesel	Average	2.00	8.00	46.0	0.31
Building Construction	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Building Construction	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56

## 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	10.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	3.91	23.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	16.2	204	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	59.7	18.5	LDA,LDT1,LDT2



Building Construction	Vendor	9.32	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coatings	—	—	—	—
Architectural Coatings	Worker	11.9	18.5	LDA,LDT1,LDT2
Architectural Coatings	Vendor	—	10.2	HHDT,MHDT
Architectural Coatings	Hauling	0.00	20.0	HHDT
Architectural Coatings	Onsite truck	—	—	HHDT

### 5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	10.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	3.91	23.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	16.2	204	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	59.7	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	9.32	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coatings	—	—	—	—

Architectural Coatings	Worker	11.9	18.5	LDA,LDT1,LDT2
Architectural Coatings	Vendor	—	10.2	HHDT,MHDT
Architectural Coatings	Hauling	0.00	20.0	HHDT
Architectural Coatings	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 Coatings	125,850	41,950	6,027	2,009	—

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	7,450	—
Grading	—	10,000	66.0	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%
Water Demolished Area	2	36%	36%

## 5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Regional Shopping Center	0.00	0%
Quality Restaurant	0.00	0%
Enclosed Parking with Elevator	0.00	100%

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	690	0.05	0.01
2024	0.00	690	0.05	0.01
2025	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	441	398	331	152,893	3,918	3,536	2,946	1,359,537
Regional Shopping Center	113	138	63.3	40,041	410	559	256	149,281
Quality Restaurant	83.8	90.0	72.0	30,306	261	717	573	135,435
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 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	233	210	175	80,856	2,072	1,870	1,558	718,975
Regional Shopping Center	88.3	108	49.4	31,233	319	436	200	116,443
Quality Restaurant	65.4	70.2	56.1	23,639	204	559	447	105,642
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

#### 5.10.1.2. Mitigated

### 5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
125849.7	41,950	6,027	2,009	—

### 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	265,963	690	0.0489	0.0069	803,954
Regional Shopping Center	30,338	690	0.0489	0.0069	15,004
Quality Restaurant	31,626	690	0.0489	0.0069	91,982
Enclosed Parking with Elevator	0.00	690	0.0489	0.0069	0.00

### 5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	267,404	690	0.0489	0.0069	0.00
Regional Shopping Center	30,338	690	0.0489	0.0069	15,004
Quality Restaurant	31,626	690	0.0489	0.0069	91,982
Enclosed Parking with Elevator	0.00	690	0.0489	0.0069	0.00

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	3,019,178	178,405
Regional Shopping Center	222,218	0.00
Quality Restaurant	303,534	0.00

Enclosed Parking with Elevator	0.00	0.00
--------------------------------	------	------

### 5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	2,415,342	142,724
Regional Shopping Center	177,774	0.00
Quality Restaurant	242,827	0.00
Enclosed Parking with Elevator	0.00	0.00

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	59.96	0.00
Regional Shopping Center	3.15	0.00
Quality Restaurant	0.91	0.00
Enclosed Parking with Elevator	0.00	0.00

### 5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	17.99	0.00
Regional Shopping Center	0.95	0.00
Quality Restaurant	0.27	0.00
Enclosed Parking with Elevator	0.00	0.00

## 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
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

## 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
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

## 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	0.50	12.0	1,000	0.73

## 8. User Changes to Default Data

Screen	Justification
Land Use	Project data per March 2023 site plans
Construction: Construction Phases	Estimates approximately 24-month construction timeline.
Construction: Off-Road Equipment	Assumes construction equipment on worst-case day.
Construction: Trips and VMT	Assumes 14-cy haul truck capacity and 204 mi to disposal site at Clean Harbors-Westmorland facility
Operations: Hearths	Assumes no woodstoves or fireplaces proposed.



# 11905 Wilshire Boulevard - Existing Conditions 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
  - 2.4. Operations Emissions Compared Against Thresholds
  - 2.5. Operations Emissions by Sector, Unmitigated
  - 2.6. Operations Emissions by Sector, 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

### 5. Activity Data

#### 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

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	11905 Wilshire Boulevard - Existing Conditions
Operational Year	2022
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	18.4
Location	11905 Wilshire Blvd, Los Angeles, CA 90025, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4405
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.7

## 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
Quality Restaurant	6.00	1000sqft	0.52	6,040	0.00	—	—	—

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Transportation	T-3	Provide Transit-Oriented Development

## 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.34	1.92	18.7	0.04	0.04	1.20	1.24	0.04	0.21	0.25	6.44	4,276	4,282	0.90	0.17	26.1	4,381
Mit.	1.87	1.53	14.7	0.03	0.03	0.93	0.97	0.03	0.17	0.20	6.44	3,463	3,469	0.86	0.13	22.4	3,553
% Reduced	20%	20%	22%	21%	15%	22%	22%	15%	22%	21%	—	19%	19%	5%	20%	14%	19%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.25	2.09	17.1	0.04	0.04	1.20	1.24	0.04	0.21	0.25	6.44	4,116	4,122	0.91	0.18	9.87	4,208
Mit.	1.79	1.66	13.3	0.03	0.03	0.93	0.97	0.03	0.17	0.20	6.44	3,338	3,344	0.86	0.14	9.78	3,418
% Reduced	21%	20%	22%	21%	15%	22%	22%	15%	22%	21%	—	19%	19%	5%	20%	1%	19%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.93	1.36	11.1	0.02	0.03	0.62	0.65	0.03	0.11	0.14	6.44	2,473	2,480	0.85	0.12	13.2	2,548
Mit.	1.55	1.10	8.72	0.02	0.02	0.48	0.51	0.02	0.09	0.11	6.44	2,057	2,063	0.82	0.09	12.3	2,124
% Reduced	20%	19%	21%	21%	12%	22%	22%	12%	22%	20%	—	17%	17%	4%	20%	6%	17%

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.35	0.25	2.02	< 0.005	< 0.005	0.11	0.12	< 0.005	0.02	0.02	1.07	409	411	0.14	0.02	2.18	422
Mit.	0.28	0.20	1.59	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	1.07	340	342	0.14	0.02	2.04	352
% Reduced	20%	19%	21%	21%	12%	22%	22%	12%	22%	20%	—	17%	17%	4%	20%	6%	17%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	—	—	150	—	—	11.0	—	—	—	—	—	—	—
Unmit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	—	—	150	—	—	11.0	—	—	—	—	—	—	—
Unmit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

## 2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.14	1.76	18.3	0.04	0.03	1.20	1.22	0.02	0.21	0.24	—	3,696	3,696	0.20	0.16	16.7	3,764
Area	0.19	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.08	1.08	< 0.005	< 0.005	—	1.11
Energy	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	555	555	0.04	< 0.005	—	558
Water	—	—	—	—	—	—	—	—	—	—	3.49	23.4	26.9	0.36	0.01	—	38.5
Waste	—	—	—	—	—	—	—	—	—	—	2.95	0.00	2.95	0.29	0.00	—	10.3

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.44	9.44
Total	2.34	1.92	18.7	0.04	0.04	1.20	1.24	0.04	0.21	0.25	6.44	4,276	4,282	0.90	0.17	26.1	4,381
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.10	1.93	16.9	0.03	0.03	1.20	1.22	0.02	0.21	0.24	—	3,537	3,537	0.22	0.16	0.43	3,592
Area	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	555	555	0.04	< 0.005	—	558
Water	—	—	—	—	—	—	—	—	—	—	3.49	23.4	26.9	0.36	0.01	—	38.5
Waste	—	—	—	—	—	—	—	—	—	—	2.95	0.00	2.95	0.29	0.00	—	10.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.44	9.44
Total	2.25	2.09	17.1	0.04	0.04	1.20	1.24	0.04	0.21	0.25	6.44	4,116	4,122	0.91	0.18	9.87	4,208
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.75	1.21	10.8	0.02	0.01	0.62	0.63	0.01	0.11	0.12	—	1,893	1,893	0.15	0.10	3.72	1,932
Area	0.17	< 0.005	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.74	0.74	< 0.005	< 0.005	—	0.76
Energy	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	555	555	0.04	< 0.005	—	558
Water	—	—	—	—	—	—	—	—	—	—	3.49	23.4	26.9	0.36	0.01	—	38.5
Waste	—	—	—	—	—	—	—	—	—	—	2.95	0.00	2.95	0.29	0.00	—	10.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.44	9.44
Total	1.93	1.36	11.1	0.02	0.03	0.62	0.65	0.03	0.11	0.14	6.44	2,473	2,480	0.85	0.12	13.2	2,548
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.32	0.22	1.97	< 0.005	< 0.005	0.11	0.12	< 0.005	0.02	0.02	—	313	313	0.03	0.02	0.62	320
Area	0.03	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.13
Energy	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	92.0	92.0	0.01	< 0.005	—	92.3
Water	—	—	—	—	—	—	—	—	—	—	0.58	3.88	4.46	0.06	< 0.005	—	6.38
Waste	—	—	—	—	—	—	—	—	—	—	0.49	0.00	0.49	0.05	0.00	—	1.71
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.56	1.56
Total	0.35	0.25	2.02	< 0.005	< 0.005	0.11	0.12	< 0.005	0.02	0.02	1.07	409	411	0.14	0.02	2.18	422



## 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.67	1.38	14.3	0.03	0.02	0.93	0.95	0.02	0.17	0.19	—	2,883	2,883	0.16	0.12	13.0	2,936
Area	0.19	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.08	1.08	< 0.005	< 0.005	—	1.11
Energy	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	555	555	0.04	< 0.005	—	558
Water	—	—	—	—	—	—	—	—	—	—	3.49	23.4	26.9	0.36	0.01	—	38.5
Waste	—	—	—	—	—	—	—	—	—	—	2.95	0.00	2.95	0.29	0.00	—	10.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.44	9.44
Total	1.87	1.53	14.7	0.03	0.03	0.93	0.97	0.03	0.17	0.20	6.44	3,463	3,469	0.86	0.13	22.4	3,553
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.64	1.51	13.2	0.03	0.02	0.93	0.95	0.02	0.17	0.19	—	2,759	2,759	0.17	0.13	0.34	2,802
Area	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	555	555	0.04	< 0.005	—	558
Water	—	—	—	—	—	—	—	—	—	—	3.49	23.4	26.9	0.36	0.01	—	38.5
Waste	—	—	—	—	—	—	—	—	—	—	2.95	0.00	2.95	0.29	0.00	—	10.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.44	9.44
Total	1.79	1.66	13.3	0.03	0.03	0.93	0.97	0.03	0.17	0.20	6.44	3,338	3,344	0.86	0.14	9.78	3,418
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.36	0.94	8.41	0.01	0.01	0.48	0.49	0.01	0.09	0.10	—	1,477	1,477	0.12	0.08	2.90	1,507
Area	0.17	< 0.005	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.74	0.74	< 0.005	< 0.005	—	0.76
Energy	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	555	555	0.04	< 0.005	—	558
Water	—	—	—	—	—	—	—	—	—	—	3.49	23.4	26.9	0.36	0.01	—	38.5

Waste	—	—	—	—	—	—	—	—	—	—	2.95	0.00	2.95	0.29	0.00	—	10.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.44	9.44
Total	1.55	1.10	8.72	0.02	0.02	0.48	0.51	0.02	0.09	0.11	6.44	2,057	2,063	0.82	0.09	12.3	2,124
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.25	0.17	1.53	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	245	245	0.02	0.01	0.48	249
Area	0.03	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.13
Energy	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	92.0	92.0	0.01	< 0.005	—	92.3
Water	—	—	—	—	—	—	—	—	—	—	0.58	3.88	4.46	0.06	< 0.005	—	6.38
Waste	—	—	—	—	—	—	—	—	—	—	0.49	0.00	0.49	0.05	0.00	—	1.71
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.56	1.56
Total	0.28	0.20	1.59	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	1.07	340	342	0.14	0.02	2.04	352

## 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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	2.14	1.76	18.3	0.04	0.03	1.20	1.22	0.02	0.21	0.24	—	3,696	3,696	0.20	0.16	16.7	3,764
Total	2.14	1.76	18.3	0.04	0.03	1.20	1.22	0.02	0.21	0.24	—	3,696	3,696	0.20	0.16	16.7	3,764
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	2.10	1.93	16.9	0.03	0.03	1.20	1.22	0.02	0.21	0.24	—	3,537	3,537	0.22	0.16	0.43	3,592

Total	2.10	1.93	16.9	0.03	0.03	1.20	1.22	0.02	0.21	0.24	—	3,537	3,537	0.22	0.16	0.43	3,592
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	0.32	0.22	1.97	< 0.005	< 0.005	0.11	0.12	< 0.005	0.02	0.02	—	313	313	0.03	0.02	0.62	320
Total	0.32	0.22	1.97	< 0.005	< 0.005	0.11	0.12	< 0.005	0.02	0.02	—	313	313	0.03	0.02	0.62	320

#### 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	1.67	1.38	14.3	0.03	0.02	0.93	0.95	0.02	0.17	0.19	—	2,883	2,883	0.16	0.12	13.0	2,936
Total	1.67	1.38	14.3	0.03	0.02	0.93	0.95	0.02	0.17	0.19	—	2,883	2,883	0.16	0.12	13.0	2,936
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	1.64	1.51	13.2	0.03	0.02	0.93	0.95	0.02	0.17	0.19	—	2,759	2,759	0.17	0.13	0.34	2,802
Total	1.64	1.51	13.2	0.03	0.02	0.93	0.95	0.02	0.17	0.19	—	2,759	2,759	0.17	0.13	0.34	2,802
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	0.25	0.17	1.53	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	245	245	0.02	0.01	0.48	249
Total	0.25	0.17	1.53	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	245	245	0.02	0.01	0.48	249

## 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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	372	372	0.03	< 0.005	—	374
Total	—	—	—	—	—	—	—	—	—	—	—	372	372	0.03	< 0.005	—	374
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	372	372	0.03	< 0.005	—	374
Total	—	—	—	—	—	—	—	—	—	—	—	372	372	0.03	< 0.005	—	374
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	61.6	61.6	< 0.005	< 0.005	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	61.6	61.6	< 0.005	< 0.005	—	61.9

#### 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	372	372	0.03	< 0.005	—	374
Total	—	—	—	—	—	—	—	—	—	—	—	372	372	0.03	< 0.005	—	374
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	372	372	0.03	< 0.005	—	374

Total	—	—	—	—	—	—	—	—	—	—	—	372	372	0.03	< 0.005	—	374
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	61.6	61.6	< 0.005	< 0.005	—	61.9
Total	—	—	—	—	—	—	—	—	—	—	—	61.6	61.6	< 0.005	< 0.005	—	61.9

#### 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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	183	183	0.02	< 0.005	—	184
Total	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	183	183	0.02	< 0.005	—	184
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	183	183	0.02	< 0.005	—	184
Total	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	183	183	0.02	< 0.005	—	184
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.4	30.4	< 0.005	< 0.005	—	30.4
Total	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.4	30.4	< 0.005	< 0.005	—	30.4

#### 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	183	183	0.02	< 0.005	—	184
Total	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	183	183	0.02	< 0.005	—	184
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	183	183	0.02	< 0.005	—	184
Total	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	183	183	0.02	< 0.005	—	184
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.4	30.4	< 0.005	< 0.005	—	30.4
Total	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.4	30.4	< 0.005	< 0.005	—	30.4

## 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipme	0.04	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.08	1.08	< 0.005	< 0.005	—	1.11
Total	0.19	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.08	1.08	< 0.005	< 0.005	—	1.11
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.01	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.13
Total	0.03	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.13

#### 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.04	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.08	1.08	< 0.005	< 0.005	—	1.11
Total	0.19	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.08	1.08	< 0.005	< 0.005	—	1.11
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.01	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.13
Total	0.03	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.12	0.12	< 0.005	< 0.005	—	0.13

#### 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	3.49	23.4	26.9	0.36	0.01	—	38.5
Total	—	—	—	—	—	—	—	—	—	—	3.49	23.4	26.9	0.36	0.01	—	38.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	3.49	23.4	26.9	0.36	0.01	—	38.5
Total	—	—	—	—	—	—	—	—	—	—	3.49	23.4	26.9	0.36	0.01	—	38.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.58	3.88	4.46	0.06	< 0.005	—	6.38
Total	—	—	—	—	—	—	—	—	—	—	0.58	3.88	4.46	0.06	< 0.005	—	6.38

## 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	3.49	23.4	26.9	0.36	0.01	—	38.5
Total	—	—	—	—	—	—	—	—	—	—	3.49	23.4	26.9	0.36	0.01	—	38.5

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	3.49	23.4	26.9	0.36	0.01	—	38.5
Total	—	—	—	—	—	—	—	—	—	—	3.49	23.4	26.9	0.36	0.01	—	38.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.58	3.88	4.46	0.06	< 0.005	—	6.38
Total	—	—	—	—	—	—	—	—	—	—	0.58	3.88	4.46	0.06	< 0.005	—	6.38

## 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	2.95	0.00	2.95	0.29	0.00	—	10.3
Total	—	—	—	—	—	—	—	—	—	—	2.95	0.00	2.95	0.29	0.00	—	10.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	2.95	0.00	2.95	0.29	0.00	—	10.3
Total	—	—	—	—	—	—	—	—	—	—	2.95	0.00	2.95	0.29	0.00	—	10.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.49	0.00	0.49	0.05	0.00	—	1.71
Total	—	—	—	—	—	—	—	—	—	—	0.49	0.00	0.49	0.05	0.00	—	1.71

## 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	2.95	0.00	2.95	0.29	0.00	—	10.3
Total	—	—	—	—	—	—	—	—	—	—	2.95	0.00	2.95	0.29	0.00	—	10.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	2.95	0.00	2.95	0.29	0.00	—	10.3
Total	—	—	—	—	—	—	—	—	—	—	2.95	0.00	2.95	0.29	0.00	—	10.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	0.49	0.00	0.49	0.05	0.00	—	1.71
Total	—	—	—	—	—	—	—	—	—	—	0.49	0.00	0.49	0.05	0.00	—	1.71

## 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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.44	9.44
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.44	9.44

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.44	9.44
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.44	9.44
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.56	1.56
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.56	1.56

#### 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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.44	9.44
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.44	9.44
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.44	9.44
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.44	9.44
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.56	1.56
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.56	1.56

## 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	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### 4.7.2. Mitigated

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

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

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

## 4.8. Stationary Emissions By Equipment Type

### 4.8.1. Unmitigated

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

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

### 4.8.2. Mitigated

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

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

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

## 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
Quality Restaurant	503	540	432	181,836	1,568	4,304	3,440	812,610

#### 5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Quality Restaurant	392	421	337	141,836	1,223	3,357	2,683	633,854

### 5.10. Operational Area Sources

#### 5.10.1. Hearths

##### 5.10.1.1. Unmitigated

##### 5.10.1.2. Mitigated

#### 5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	9,060	3,020	—

### 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)
Quality Restaurant	196,723	690	0.0489	0.0069	572,167

### 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)
Quality Restaurant	196,723	690	0.0489	0.0069	572,167



## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Quality Restaurant	1,821,202	0.00

### 5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Quality Restaurant	1,821,202	0.00

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Quality Restaurant	5.47	0.00

### 5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Quality Restaurant	5.47	0.00

## 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
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

#### 5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

### 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
----------------	-----------	-------------	----------------	---------------	------------	-------------

#### 5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
----------------	-----------	-------------	----------------	---------------	------------	-------------

### 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
----------------	-----------	----------------	---------------	----------------	------------	-------------

#### 5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
----------------	-----------	--------	--------------------------	------------------------------	------------------------------

## 8. User Changes to Default Data

Screen	Justification
Land Use	Existing: 6,040 sf restaurant and cafe.