

Air Quality Summary

Table 1: Construction Pollutant Emissions

Construction Year	Emissions (pounds per day) ^{1,2}					
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
2025	6.67	61.50	60.70	0.11	13.10	6.08
2026	53.93	42.13	63.40	0.11	4.90	2.02
Maximum Emissions	53.93	61.50	63.40	0.11	13.10	6.08
SCAQMD Thresholds	75	100	550	150	150	55
Exceed SCAQMD Threshold?	No	No	No	No	No	No
ROG = Reactive Organic Gases; NO _x = Nitrogen Oxides; CO = Carbon Monoxide; SO ₂ = Sulfur Dioxide; PM ₁₀ = Particulate Matter 10 microns in diameter or less; PM _{2.5} = Particulate Matter 2.5 microns in diameter or less 1. The highest values between summer and winter results were used as a conservative, worst-case scenario. 2. SCAQMD Rule 403 Fugitive Dust was applied. The Rule 403 reduction/credits include the following: properly maintain mobile and other construction equipment; water exposed surfaces three times daily; and limit speeds on unpaved roads to 15 miles per hour. Reductions percentages from the SCAQMD CEQA Handbook (Tables XI-A through XI-E) were applied.						
Source: CalEEMod version 2022.1.						

Table 2: Operational Pollutant Emissions

Source	Emissions (pounds per day)¹					
	ROG	NO_x	CO	SO₂	PM₁₀	PM_{2.5}
Area	6.99	0.08	9.72	<0.01	0.02	0.01
Energy	0.06	1.16	0.97	0.01	0.09	0.09
Mobile – Trucks	0.59	26.99	10.77	0.23	8.28	2.47
Mobile – Passenger Cars	0.38	0.32	3.42	0.01	0.76	0.20
Generator ²	3.33	8.48	9.30	0.02	0.49	0.49
Off-Road Equipment ³	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions	11.35	37.03	34.18	0.27	9.63	3.25
SCAQMD Thresholds	55	55	550	150	150	55
Exceed SCAQMD Threshold?	No	No	No	No	No	No

ROG = Reactive Organic Gases; NO_x = Nitrogen Oxides; CO = Carbon Monoxide; SO₂ = Sulfur Dioxide; PM₁₀ = Particulate Matter 10 microns in diameter or less; PM_{2.5} = Particulate Matter 2.5 microns in diameter or less

1. The highest values between summer and winter results were used as a conservative, worst-case scenario.
2. It was conservatively assumed each building would include an emergency back-up generator; therefore, emissions from five emergency back-up generators were calculated using CalEEMod default emission rates.
3. Project operations would include 15 electric forklifts; however, electricity usage would not emit criteria pollutant emissions.

Source: CalEEMod version 2022.1.

Table 3: Equipment-Specific Grading Rates					
Construction Phase	Equipment Type	Equipment Quantity	Acres Graded per 8-Hour Day	Operating Hours per Day	Acres Graded per Day
Site Preparation	Tractors	4	0.5	8	2
	Graders	0	0.5	8	0
	Dozers	3	0.5	8	1.5
	Scrapers	0	1	8	0
Total Acres Graded per Day					3.5
Source: CalEEMod version 2022.1.					

Table 4: Localized Significance of Construction Emissions				
Construction Phase	Emissions (pounds per day)^{1,2}			
	NO_x	CO	PM₁₀	PM_{2.5}
Individual Construction Phases				
Demolition	22.20	19.92	9.77	2.18
Site Preparation	31.64	30.18	6.48	3.88
Grading	29.68	28.31	3.63	2.09
Infrastructure Improvements	17.87	22.17	0.91	0.84
Building Construction	18.80	23.18	0.60	0.55
Paving	7.12	9.94	0.32	0.29
Architectural Coating	0.86	1.13	0.02	0.02
Overlapping Construction Phases				
Site Prep + Grading (2025)	61.32	58.49	10.10	5.97
Building Construction + Infrastructure Improvements (2026)	37.60	46.36	1.20	1.10
Building Construction + Infrastructure Improvements + Architectural Coating (2026)	38.46	47.50	1.22	1.12
Building Construction + Architectural Coating + Paving (2026)	26.78	34.25	0.94	0.87
Maximum Daily Emissions	61.32	58.49	10.10	5.97
SCAQMD LST (adjusted for 3.5 acres at 230 meters) ³	200	3,996	85	36
Maximum Daily Emissions Exceed SCAQMD Threshold?	No	No	No	No
NO _x = Nitrogen Oxides; CO = Carbon Monoxide; PM ₁₀ = Particulate Matter 10 microns in diameter or less; PM _{2.5} = Particulate Matter 2.5 microns in diameter or less 1. The highest values between summer and winter results were used as a conservative, worst-case scenario. 2. Mandatory compliance with SCAQMD Rule 403 Fugitive Dust applied for construction emissions. The Rule 403 reduction/credits include the following: properly maintain mobile and other construction equipment; replace ground cover in disturbed areas quickly; water exposed surfaces three times daily; water all haul roads twice daily. Reductions percentages from the SCAQMD CEQA Handbook (Tables XI-A through XI-E) were applied. No mitigation was applied to construction equipment. 3. The LSTs are based on the daily acreage disturbed, sensitive receptor area (SRA), and distance to the sensitive receptor nearest the Project site. As shown in Table 3 above, Project construction activities would disturb 3.5 acres daily. The appropriate SRA is Southwest Coastal LA County (SRA 3), as this area includes the Project site. The sensitive receptor nearest the Project site is located approximately 755 feet (230 meters) to the north.				
Source: CalEEMod version 2022.1.				

Table 5: Localized Significance of Operational Emissions				
Source	Emissions (pounds per day) ¹			
	NO _x	CO	PM ₁₀	PM _{2.5}
Total On-Site Emissions (Area, Energy, Mobile, Generators, Off-Road Equipment Sources) ^{2,3}	10.11	20.20	0.76	0.64
SCAQMD LST (adjusted for 5.0 acres at 230 meters) ⁴	228	4,692	23	10
Maximum Daily Emissions Exceed SCAQMD Threshold?	No	No	No	No
NO _x = Nitrogen Oxides; CO = Carbon Monoxide; PM ₁₀ = Particulate Matter 10 microns in diameter or less; PM _{2.5} = Particulate Matter 2.5 microns in diameter or less 1. The highest values between summer and winter results were used as a conservative, worst-case scenario. 2. Includes all on-site emission sources, approximately eight percent of passenger car emissions, and approximately one percent of truck emissions. 3. On-site mobile emissions were calculated using the following equation: on-site mobile emissions = (on-site vehicle trip distance/total vehicle trip distance) * total vehicle mobile emissions. The on-site vehicle trip distance was measured on Google Earth, 2025. 4. The LSTs are based on the Project site acreage, sensitive receptor area (SRA), and distance to the sensitive receptor nearest the Project site. As LSTs increase with acreage, the operational LSTs for 5.0 acres is conservatively used for the approximately 11-acre site. The appropriate SRA is Southwest Coastal LA County (SRA 3), as this area includes the Project site. The sensitive receptor nearest the Project site is approximately 755 feet (230 meters) to the north.				
Source: CalEEMod version 2022.1.				

Terreno Industrial CalEEMod Assumptions

Land Use

Land Use	Size	Metric	Landscaping (SF)	Lot Acreage
Unrefrigerated Warehouse-No Rail	223.509	KSF	15,564	5.01892
Parking Lot	6.20567	Acre	0	6.20567
KSF = thousand square feet; SF = square feet per site plan building and landscaping SF based on the gross total lot acreage based on the footprint total				

Construction

Schedule

Phase Name	Start Date	End Date	Workdays
Demolition	8/26/2025	10/20/2025	40
Site Preparation	10/22/2025	11/22/2025	23
Grading	10/22/2025	12/16/2025	40
Building Construction	12/18/2025	10/8/2026	211
Infrastructure Improvements	4/1/2026	9/1/2026	110
Paving	9/8/2026	10/8/2026	23
Architectural Coating	8/8/2026	10/8/2026	44

Equipment

Construction Phase	Equipment	Number per Day	Hours Per Day
Demolition	Concrete/Industrial Saws	1	8
	Excavators	3	8
	Rubber Tired Dozers	2	8
Site Preparation	Rubber Tired Dozers	3	8
	Tractors/Loaders/Backhoes	4	8
	Graders	1	8
Grading	Rubber Tired Dozers	1	8
	Scrapers	2	8
	Tractors/Loaders/Backhoes	2	8
	Graders	1	8
	Cranes	1	7
Infrastructure Improvements	Forklifts	3	8
	Generator Sets	1	8
	Tractors/Loaders/Backhoes	3	7
	Welders	1	8
	Pumps	2	8
	Cranes	1	7
Building Construction	Forklifts	3	8
	Generator Sets	1	8
	Tractors/Loaders/Backhoes	3	7
	Welders	1	8
	Pumps	2	8
	Pavers	2	8
Paving	Pavers	2	8

Construction Phase	Equipment	Number per Day	Hours Per Day
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	6

Worker, Vendor, and Haul Trips

Trip Type	# One-Way Trips/Day	Trip Length (miles)
Demolition		
Worker	15	18.5
Vendor	0	10.2
Hauling	161.55	20
On-Site Truck	0	0
Site Preparation		
Worker	17.5	18.5
Vendor	0	10.2
Hauling	0	20
On-Site Truck	0	0
Grading		
Worker	20	18.5
Vendor	0	10.2
Hauling	0	20
On-Site Truck	0	0
Infrastructure Improvements		
Worker	89.61	18.5
Vendor	40.63	10.2
Hauling	0	20
On-Site Truck	0	0
Building Construction		
Worker	89.61	18.5
Vendor	40.63	10.2
Hauling	0	20
On-Site Truck	0	0
Paving		
Worker	15	18.5
Vendor	0	10.2
Hauling	0	20
On-Site Truck	0	0
Architectural Coating		
Worker	35.84	18.5
Vendor	0	10.2
Hauling	0	20
On-Site Truck	0	0

Demolition

Phase	Amount (tons)
Demolition	25,848

Construction Equipment Emission Factors

Equipment	Emission Factors (g/hp-hr)								
	ROG	TOG	CO	NO _x	CO ₂	PM ₁₀	PM _{2.5}	SO _x	NH ₃
Concrete Pumps	0.323	0.384	3.496	2.844	571.4	0.183	0.168	0.005	0
Source: CARB OFFROAD 2021									

Operations**Vehicle Data**

Land Use	Size	Metric	Trip Rate	Daily Trip Generation
Unrefrigerated Warehouse-No Rail	223.509	KSF	1.200	268
Parking Lot	6.206	Acre	18.515	115
Total Daily Trips				383
KSF = thousand square feet				
warehouse = truck trips, parking lot = passenger car trips, 100% primary trips				

Trip Length

Land Use	Trip Length (miles)		
	Non-Res H-W / Res H-W	Non-Res W-O / Res H-S	Non-Res O-O / Res H-O
Unrefrigerated Warehouse-No Rail	0	0	33.2
Parking Lot	13.8710752	6.53949712	6.091498579
warehouse = truck trips, parking lot = passenger car trips (default)			

Trip Purpose and Percent

Land Use	Trip Percent (%)			Trip Purpose (%)		
	Primary	Diverted	Pass-By	Non-Res H-W / Res H-W	Non-Res W-O / Res H-S	Non-Res O-O / Res H-O
Unrefrigerated Warehouse-No Rail	100	0	0	0	0	100
Parking Lot	100	0	0	38.7650337	36.6969786	24.5379877
warehouse = truck trips, parking lot = passenger car trips (default)						

Fleet Mix

Land Use	HHD %	LDA %	LDT1 %	LDT2 %	LHD1 %	LHD2 %	MCY %	MDV %	MH %	MHD %	OBUS %	SBUS %	UBUS %
Unrefrigerated Warehouse-No Rail	62.39 31623	0	0	0	0	16.80 91168	0	0	0	20.79 77208	0	0	0
Parking Lot	0.876 45398	49.93 24947	4.306 91205	23.61 76893	2.653 71054	0.672 78388	2.170 43254	14.18 35182	0.281 96880	1.091 65171	0.085 49190	0.064 7065	0.062 1874
warehouse = truck trips, parking lot = passenger car trips (default)													

Pump Emission Factors

Model Output: Off-Road Web Query (v1.1.0) Emissions Inventory
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Year: 2025
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: Off-Road Web Query Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hpy
Los Angeles (SC)	2025	Construction and Mining - Concrete Pump	Aggregate	100	Diesel	8.02747E-06	9.71323E-06	1.15596E-05	0.00011	8.54442E-05	0.0171685	5.49814E-06	5.05829E-06	1.62634E-07	0	557.8938783	299.3588778	0.559659052	9948.096447
Emission Factors (g/hp-hr)																			
					HC	ROG	TOG	CO	NOx	CO2	PM10	PM2.5	SOx	NH3	Fuel_gphr				
					0.267194024	0.32330477	0.384759395	3.49662	2.844009029	571.45361	0.183005349	0.168364921	0.005413269	0	18569484.83				

Emergency Backup Generator Emissions

Source	Fuel Type	Quantity	Equipment Size (hp)	Load Factor	Hours/Year per Unit	Hours per Day	HP-hr per day	Total hp-hr per year
Backup Generator	Diesel	5	400	0.74	50	1	1,480	74,000
Pollutant Emissions								
	ROG	CO	NO _x	SO ₂	PM ₁₀	PM _{2.5}		
Emissions Rates (g/hp-hr)	1.02	2.60	2.85	0.01	0.15	0.15		
Emissions (pounds/day)	3.328	8.483	9.299	0.016	0.489	0.489		

Source: User Guide for CalEEMod Version 2022.1, Appendix G, Table G-40.

On-Site Mobile Factor

Vehicle Type	On-Site Trip Length (miles)	Total Trip Length (miles)	On-Site Factor
Truck	0.44	33.20	1.3%
Passenger Cars	0.47	6.09	7.7%

Notes:

on-site trip length from Google Earth, 2025

truck total trip length based on SCAB

passenger car total trip length from CalEEMod version 2022.1

On-Site Mobile Emissions

Vehicle Type	NOx	CO	PM10	PM2.5
Truck	0.358	0.129	0.110	0.033
Passenger Cars	0.025	0.075	0.059	0.015

Localized Operational Emissions

Sources	NOx	CO	PM10	PM2.5
Area	0.08	9.72	0.02	0.01
Energy	1.16	0.97	0.09	0.09
Mobile - Trucks	0.36	0.13	0.11	0.03
Mobile - Passenger Cars	0.02	0.08	0.06	0.02
Generators	8.48	9.30	0.49	0.49
Total Emissions	10.11	20.20	0.76	0.64
SCAQMD LST Threshold				
(adjusted for 5 acres @ 230 meters)	228	4692	23	10
Exceeds Threshold?	No	No	No	No

Terreno Industrial-5 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Terreno Industrial-5
Construction Start Date	8/26/2025
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	17.8
Location	1855 139th St, Gardena, CA 90249, USA
County	Los Angeles-South Coast
City	Gardena
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4543
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	224	1000sqft	5.02	223,509	15,564	—	—	—

Parking Lot	6.21	Acre	6.21	0.00	0.00	—	—	—
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1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	55.0	53.9	42.1	63.4	0.11	1.26	12.0	13.1	1.14	2.21	3.19	—	14,824	14,824	0.76	1.79	26.7	15,403
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	53.7	53.0	61.5	60.7	0.11	2.60	12.0	13.1	2.39	3.69	6.08	—	14,818	14,818	0.76	1.79	0.69	15,371
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.53	8.07	18.2	26.0	0.05	0.55	1.99	2.35	0.50	0.53	0.87	—	5,606	5,606	0.23	0.22	2.95	5,681
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.56	1.47	3.32	4.75	0.01	0.10	0.36	0.43	0.09	0.10	0.16	—	928	928	0.04	0.04	0.49	941

2.2. Construction Emissions by Year, Unmitigated

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

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

2025	3.80	2.64	36.0	26.3	0.11	1.06	12.0	13.1	0.99	2.21	3.19	—	14,824	14,824	0.76	1.79	26.7	15,403
2026	55.0	53.9	42.1	63.4	0.11	1.26	3.64	4.90	1.14	0.88	2.02	—	13,481	13,481	0.55	0.53	17.2	13,671
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	7.92	6.67	61.5	60.7	0.11	2.60	12.0	13.1	2.39	3.69	6.08	—	14,818	14,818	0.76	1.79	0.69	15,371
2026	53.7	53.0	28.9	43.0	0.07	0.96	2.26	3.22	0.88	0.54	1.42	—	8,673	8,673	0.36	0.30	0.26	8,770
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.18	0.93	9.83	8.87	0.02	0.36	1.99	2.35	0.33	0.53	0.87	—	2,901	2,901	0.14	0.21	1.43	2,969
2026	8.53	8.07	18.2	26.0	0.05	0.55	1.40	1.94	0.50	0.34	0.84	—	5,606	5,606	0.23	0.22	2.95	5,681
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.21	0.17	1.79	1.62	< 0.005	0.07	0.36	0.43	0.06	0.10	0.16	—	480	480	0.02	0.04	0.24	492
2026	1.56	1.47	3.32	4.75	0.01	0.10	0.25	0.35	0.09	0.06	0.15	—	928	928	0.04	0.04	0.49	941

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.32	8.02	27.5	24.8	0.25	0.46	8.68	9.14	0.44	2.32	2.76	212	30,166	30,378	22.8	4.02	76.3	32,223
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.56	6.41	28.5	14.9	0.25	0.44	8.68	9.12	0.43	2.32	2.75	212	30,096	30,308	22.8	4.03	1.98	32,079
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.75	7.50	28.9	21.6	0.25	0.45	8.60	9.06	0.43	2.30	2.74	212	30,130	30,342	22.8	4.03	33.0	32,144
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	1.60	1.37	5.27	3.94	0.05	0.08	1.57	1.65	0.08	0.42	0.50	35.1	4,988	5,024	3.77	0.67	5.46	5,322
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2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.07	0.97	26.2	14.2	0.24	0.35	8.68	9.04	0.34	2.32	2.66	—	26,361	26,361	1.03	3.76	76.3	27,583
Area	7.12	6.99	0.08	9.72	< 0.005	0.02	—	0.02	0.01	—	0.01	—	40.0	40.0	< 0.005	< 0.005	—	40.1
Energy	0.13	0.06	1.16	0.97	0.01	0.09	—	0.09	0.09	—	0.09	—	3,251	3,251	0.24	0.02	—	3,262
Water	—	—	—	—	—	—	—	—	—	—	—	99.0	515	614	10.2	0.25	—	941
Waste	—	—	—	—	—	—	—	—	—	—	—	113	0.00	113	11.3	0.00	—	396
Total	9.32	8.02	27.5	24.8	0.25	0.46	8.68	9.14	0.44	2.32	2.76	212	30,166	30,378	22.8	4.02	76.3	32,223
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.04	0.95	27.3	13.9	0.24	0.35	8.68	9.04	0.34	2.32	2.66	—	26,331	26,331	1.03	3.76	1.98	27,480
Area	5.39	5.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.13	0.06	1.16	0.97	0.01	0.09	—	0.09	0.09	—	0.09	—	3,251	3,251	0.24	0.02	—	3,262
Water	—	—	—	—	—	—	—	—	—	—	—	99.0	515	614	10.2	0.25	—	941
Waste	—	—	—	—	—	—	—	—	—	—	—	113	0.00	113	11.3	0.00	—	396
Total	7.56	6.41	28.5	14.9	0.25	0.44	8.68	9.12	0.43	2.32	2.75	212	30,096	30,308	22.8	4.03	1.98	32,079
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.05	0.95	27.7	14.0	0.24	0.35	8.60	8.96	0.34	2.30	2.64	—	26,338	26,338	1.03	3.76	33.0	27,518
Area	6.58	6.49	0.06	6.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.4	27.4	< 0.005	< 0.005	—	27.5
Energy	0.13	0.06	1.16	0.97	0.01	0.09	—	0.09	0.09	—	0.09	—	3,251	3,251	0.24	0.02	—	3,262
Water	—	—	—	—	—	—	—	—	—	—	—	99.0	515	614	10.2	0.25	—	941
Waste	—	—	—	—	—	—	—	—	—	—	—	113	0.00	113	11.3	0.00	—	396

Total	8.75	7.50	28.9	21.6	0.25	0.45	8.60	9.06	0.43	2.30	2.74	212	30,130	30,342	22.8	4.03	33.0	32,144
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.37	0.17	5.05	2.55	0.04	0.06	1.57	1.63	0.06	0.42	0.48	—	4,360	4,360	0.17	0.62	5.46	4,556
Area	1.20	1.18	0.01	1.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.53	4.53	< 0.005	< 0.005	—	4.55
Energy	0.02	0.01	0.21	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	538	538	0.04	< 0.005	—	540
Water	—	—	—	—	—	—	—	—	—	—	—	16.4	85.2	102	1.69	0.04	—	156
Waste	—	—	—	—	—	—	—	—	—	—	—	18.7	0.00	18.7	1.87	0.00	—	65.6
Total	1.60	1.37	5.27	3.94	0.05	0.08	1.57	1.65	0.08	0.42	0.50	35.1	4,988	5,024	3.77	0.67	5.46	5,322

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	8.85	8.85	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm ent	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demoliti on	—	—	—	—	—	—	8.85	8.85	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.31	0.26	2.43	2.18	< 0.005	0.10	—	0.10	0.09	—	0.09	—	375	375	0.02	< 0.005	—	377
Demoliti on	—	—	—	—	—	—	0.97	0.97	—	0.15	0.15	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.06	0.05	0.44	0.40	< 0.005	0.02	—	0.02	0.02	—	0.02	—	62.1	62.1	< 0.005	< 0.005	—	62.4
Demoliti on	—	—	—	—	—	—	0.18	0.18	—	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	207	207	0.01	0.01	0.76	210
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.87	0.17	13.7	5.34	0.07	0.14	3.00	3.14	0.14	0.82	0.96	—	11,192	11,192	0.61	1.76	26.0	11,756

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	197	197	0.01	0.01	0.02	199
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.85	0.16	14.3	5.40	0.07	0.14	3.00	3.14	0.14	0.82	0.96	—	11,196	11,196	0.61	1.76	0.67	11,735
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	21.9	21.9	< 0.005	< 0.005	0.04	22.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.58	0.59	0.01	0.02	0.33	0.34	0.02	0.09	0.10	—	1,227	1,227	0.07	0.19	1.23	1,287
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.62	3.62	< 0.005	< 0.005	0.01	3.67
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.29	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	203	203	0.01	0.03	0.20	213

3.3. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314

Dust From Material Movement	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.99	1.90	< 0.005	0.09	—	0.09	0.08	—	0.08	—	334	334	0.01	< 0.005	—	335
Dust From Material Movement	—	—	—	—	—	—	0.32	0.32	—	0.17	0.17	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.36	0.35	< 0.005	0.02	—	0.02	0.01	—	0.01	—	55.2	55.2	< 0.005	< 0.005	—	55.4
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	229	229	0.01	0.01	0.02	232

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.7	14.7	< 0.005	< 0.005	0.02	14.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.43	2.43	< 0.005	< 0.005	< 0.005	2.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	2.39	2.39	—	0.95	0.95	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.25	3.10	0.01	0.14	—	0.14	0.12	—	0.12	—	723	723	0.03	0.01	—	726
Dust From Material Movement	—	—	—	—	—	—	0.26	0.26	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.59	0.57	< 0.005	0.02	—	0.02	0.02	—	0.02	—	120	120	< 0.005	< 0.005	—	120
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.18	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	262	262	0.01	0.01	0.03	265
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.2	29.2	< 0.005	< 0.005	0.05	29.5

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.83	4.83	< 0.005	< 0.005	0.01	4.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.35	1.97	17.9	22.2	0.04	0.91	—	0.91	0.84	—	0.84	—	3,889	3,889	0.16	0.03	—	3,903
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.49	0.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	107	107	< 0.005	< 0.005	—	107
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.01	0.01	0.09	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.6	17.6	< 0.005	< 0.005	—	17.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.40	0.45	5.54	0.00	0.00	1.23	1.23	0.00	0.29	0.29	—	1,230	1,230	0.06	0.05	0.12	1,246
Vendor	0.09	0.04	1.53	0.72	0.01	0.02	0.35	0.37	0.01	0.10	0.11	—	1,290	1,290	0.05	0.18	0.09	1,345
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	34.2	34.2	< 0.005	< 0.005	0.06	34.7
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.3	35.3	< 0.005	< 0.005	0.04	36.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.66	5.66	< 0.005	< 0.005	0.01	5.74
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.85	5.85	< 0.005	< 0.005	0.01	6.11
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2026) - Unmitigated

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

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

Off-Road Equipment	2.46	2.04	18.8	23.2	0.04	0.60	—	0.60	0.55	—	0.55	—	3,881	3,881	0.16	0.03	—	3,894
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	2.04	18.8	23.2	0.04	0.60	—	0.60	0.55	—	0.55	—	3,881	3,881	0.16	0.03	—	3,894
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.12	10.3	12.7	0.02	0.33	—	0.33	0.30	—	0.30	—	2,134	2,134	0.09	0.02	—	2,141
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.89	2.33	< 0.005	0.06	—	0.06	0.06	—	0.06	—	353	353	0.01	< 0.005	—	355
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.35	0.36	6.06	0.00	0.00	1.23	1.23	0.00	0.29	0.29	—	1,272	1,272	0.05	0.04	4.30	1,291
Vendor	0.09	0.04	1.40	0.68	0.01	0.02	0.35	0.37	0.01	0.10	0.11	—	1,267	1,267	0.05	0.18	3.42	1,325
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.34	0.41	5.17	0.00	0.00	1.23	1.23	0.00	0.29	0.29	—	1,206	1,206	0.05	0.04	0.11	1,220
Vendor	0.09	0.04	1.46	0.69	0.01	0.02	0.35	0.37	0.01	0.10	0.11	—	1,267	1,267	0.05	0.18	0.09	1,323
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.24	2.98	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	673	673	0.03	0.02	1.02	682
Vendor	0.05	0.02	0.81	0.38	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	697	697	0.03	0.10	0.81	728
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.54	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.17	113
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	115	115	< 0.005	0.02	0.13	121
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Infrastructure Improvements (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	2.04	18.8	23.2	0.04	0.60	—	0.60	0.55	—	0.55	—	3,881	3,881	0.16	0.03	—	3,894
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	5.67	6.99	0.01	0.18	—	0.18	0.17	—	0.17	—	1,170	1,170	0.05	0.01	—	1,174
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	1.03	1.28	< 0.005	0.03	—	0.03	0.03	—	0.03	—	194	194	0.01	< 0.005	—	194
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.35	0.36	6.06	0.00	0.00	1.23	1.23	0.00	0.29	0.29	—	1,272	1,272	0.05	0.04	4.30	1,291
Vendor	0.09	0.04	1.40	0.68	0.01	0.02	0.35	0.37	0.01	0.10	0.11	—	1,267	1,267	0.05	0.18	3.42	1,325
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	0.13	1.63	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	369	369	0.02	0.01	0.56	374
Vendor	0.03	0.01	0.44	0.21	< 0.005	0.01	0.10	0.11	< 0.005	0.03	0.03	—	382	382	0.02	0.05	0.44	399
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.30	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	61.0	61.0	< 0.005	< 0.005	0.09	61.9
Vendor	< 0.005	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	63.2	63.2	< 0.005	0.01	0.07	66.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.71	0.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.71	0.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.63	< 0.005	0.02	—	0.02	0.02	—	0.02	—	95.2	95.2	< 0.005	< 0.005	—	95.5
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.97	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	203	203	0.01	0.01	0.69	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.07	0.83	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	193	193	0.01	0.01	0.02	195
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	0.02	12.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.04	2.04	< 0.005	< 0.005	< 0.005	2.07
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	48.8	48.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	48.8	48.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.1	16.1	< 0.005	< 0.005	—	16.1
Architectural Coatings	5.88	5.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.66	2.66	< 0.005	< 0.005	—	2.67
Architectural Coatings	1.07	1.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.15	2.43	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	509	509	0.02	0.02	1.72	516
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.16	2.07	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	482	482	0.02	0.02	0.04	488
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	59.0	59.0	< 0.005	< 0.005	0.09	59.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.77	9.77	< 0.005	< 0.005	0.01	9.90

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.64	0.59	26.0	10.7	0.23	0.35	7.93	8.28	0.33	2.13	2.47	—	25,524	25,524	0.99	3.73	73.5	26,732
Parking Lot	0.42	0.38	0.30	3.42	0.01	0.01	0.76	0.76	< 0.005	0.19	0.20	—	838	838	0.04	0.03	2.83	851
Total	2.07	0.97	26.2	14.2	0.24	0.35	8.68	9.04	0.34	2.32	2.66	—	26,361	26,361	1.03	3.76	76.3	27,583
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.63	0.57	27.0	10.8	0.23	0.35	7.93	8.28	0.33	2.13	2.47	—	25,528	25,528	0.99	3.73	1.91	26,667
Parking Lot	0.42	0.38	0.32	3.14	0.01	0.01	0.76	0.76	< 0.005	0.19	0.20	—	803	803	0.04	0.03	0.07	814
Total	2.04	0.95	27.3	13.9	0.24	0.35	8.68	9.04	0.34	2.32	2.66	—	26,331	26,331	1.03	3.76	1.98	27,480
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrig Warehouse-No Rail	0.30	0.11	4.99	1.96	0.04	0.06	1.43	1.50	0.06	0.39	0.45	—	4,226	4,226	0.16	0.62	5.25	4,419
Parking Lot	0.08	0.07	0.06	0.59	< 0.005	< 0.005	0.14	0.14	< 0.005	0.03	0.04	—	134	134	0.01	0.01	0.20	136
Total	0.37	0.17	5.05	2.55	0.04	0.06	1.57	1.63	0.06	0.42	0.48	—	4,360	4,360	0.17	0.62	5.46	4,556

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrig erated Wareho use-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,525	1,525	0.09	0.01	—	1,530
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	345	345	0.02	< 0.005	—	346
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,870	1,870	0.12	0.01	—	1,877
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrig erated Wareho use-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,525	1,525	0.09	0.01	—	1,530
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	345	345	0.02	< 0.005	—	346
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,870	1,870	0.12	0.01	—	1,877

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	252	252	0.02	< 0.005	—	253
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	57.1	57.1	< 0.005	< 0.005	—	57.4
Total	—	—	—	—	—	—	—	—	—	—	—	—	310	310	0.02	< 0.005	—	311

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.13	0.06	1.16	0.97	0.01	0.09	—	0.09	0.09	—	0.09	—	1,381	1,381	0.12	< 0.005	—	1,385
Parking Lot	0.00	0.00	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	0.13	0.06	1.16	0.97	0.01	0.09	—	0.09	0.09	—	0.09	—	1,381	1,381	0.12	< 0.005	—	1,385
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.13	0.06	1.16	0.97	0.01	0.09	—	0.09	0.09	—	0.09	—	1,381	1,381	0.12	< 0.005	—	1,385
Parking Lot	0.00	0.00	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	0.13	0.06	1.16	0.97	0.01	0.09	—	0.09	0.09	—	0.09	—	1,381	1,381	0.12	< 0.005	—	1,385

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.02	0.01	0.21	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	229	229	0.02	< 0.005	—	229
Parking Lot	0.00	0.00	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	0.02	0.01	0.21	0.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	229	229	0.02	< 0.005	—	229

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	4.80	4.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.59	0.59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.73	1.60	0.08	9.72	< 0.005	0.02	—	0.02	0.01	—	0.01	—	40.0	40.0	< 0.005	< 0.005	—	40.1
Total	7.12	6.99	0.08	9.72	< 0.005	0.02	—	0.02	0.01	—	0.01	—	40.0	40.0	< 0.005	< 0.005	—	40.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	4.80	4.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.59	0.59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.39	5.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.88	0.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.22	0.20	0.01	1.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.53	4.53	< 0.005	< 0.005	—	4.55
Total	1.20	1.18	0.01	1.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.53	4.53	< 0.005	< 0.005	—	4.55

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	99.0	515	614	10.2	0.25	—	941

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	99.0	515	614	10.2	0.25	—	941
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	99.0	515	614	10.2	0.25	—	941
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	99.0	515	614	10.2	0.25	—	941
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	16.4	85.2	102	1.69	0.04	—	156
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	16.4	85.2	102	1.69	0.04	—	156

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

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

Unrefrig erated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	113	0.00	113	11.3	0.00	—	396
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	113	0.00	113	11.3	0.00	—	396
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrig erated Wareho use-No Rail	—	—	—	—	—	—	—	—	—	—	—	113	0.00	113	11.3	0.00	—	396
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	113	0.00	113	11.3	0.00	—	396
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrig erated Wareho use-No Rail	—	—	—	—	—	—	—	—	—	—	—	18.7	0.00	18.7	1.87	0.00	—	65.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	18.7	0.00	18.7	1.87	0.00	—	65.6

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

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

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

4.7. 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)

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

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	8/26/2025	10/20/2025	5.00	40.0	—
Site Preparation	Site Preparation	10/22/2025	11/22/2025	5.00	23.0	—
Grading	Grading	10/22/2025	12/16/2025	5.00	40.0	—
Building Construction	Building Construction	12/18/2025	10/8/2026	5.00	211	—
Infrastructure Improvements	Building Construction	4/1/2026	9/1/2026	5.00	110	—
Paving	Paving	9/8/2026	10/8/2026	5.00	23.0	—
Architectural Coating	Architectural Coating	8/8/2026	10/8/2026	5.00	44.0	—

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	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40

Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Pumps	Diesel	Average	2.00	8.00	100	0.74
Infrastructure Improvements	Cranes	Diesel	Average	1.00	7.00	367	0.29
Infrastructure Improvements	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Infrastructure Improvements	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Infrastructure Improvements	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
Infrastructure Improvements	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Infrastructure Improvements	Pumps	Diesel	Average	2.00	8.00	100	0.74
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

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	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	162	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	93.9	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	40.6	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	37.5	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT

Architectural Coating	Onsite truck	—	—	HHDT
Infrastructure Improvements	—	—	—	—
Infrastructure Improvements	Worker	93.9	18.5	LDA,LDT1,LDT2
Infrastructure Improvements	Vendor	40.6	10.2	HHDT,MHDT
Infrastructure Improvements	Hauling	0.00	20.0	HHDT
Infrastructure Improvements	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	335,264	111,755	16,219

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	25,848	—
Site Preparation	—	—	34.5	0.00	—

Grading	—	—	120	0.00	—
Paving	0.00	0.00	0.00	0.00	6.21

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	6.21	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMt/Weekday	VMt/Saturday	VMt/Sunday	VMt/Year
Unrefrigerated Warehouse-No Rail	268	268	268	97,897	8,905	8,905	8,905	3,250,178
Parking Lot	115	115	115	41,938	1,065	1,065	1,065	388,833

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

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	335,264	111,755	16,219

5.10.3. Landscape Equipment

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)
Unrefrigerated Warehouse-No Rail	1,046,103	532	0.0330	0.0040	4,308,392
Parking Lot	236,799	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
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Unrefrigerated Warehouse-No Rail	51,686,456	218,279
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	210	—
Parking Lot	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
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5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

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

Equipment Type	Fuel Type
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5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	5.07	annual days of extreme heat
Extreme Precipitation	4.45	annual days with precipitation above 20 mm

Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

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

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

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

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

6.2. Initial Climate Risk Scores

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

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

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

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	29.9
AQ-PM	85.8
AQ-DPM	69.2
Drinking Water	39.5
Lead Risk Housing	91.2
Pesticides	68.6
Toxic Releases	97.8
Traffic	49.5
Effect Indicators	—

CleanUp Sites	98.1
Groundwater	93.9
Haz Waste Facilities/Generators	97.5
Impaired Water Bodies	51.2
Solid Waste	90.2
Sensitive Population	—
Asthma	75.8
Cardio-vascular	52.6
Low Birth Weights	81.3
Socioeconomic Factor Indicators	—
Education	88.8
Housing	74.5
Linguistic	83.8
Poverty	83.2
Unemployment	63.4

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	20.5825741
Employed	49.30065443
Median HI	12.25458745
Education	—
Bachelor's or higher	19.99230078
High school enrollment	100
Preschool enrollment	72.83459515
Transportation	—

Auto Access	41.51161299
Active commuting	80.91877326
Social	—
2-parent households	78.09572693
Voting	28.41011164
Neighborhood	—
Alcohol availability	16.70730142
Park access	81.35506224
Retail density	53.58655203
Supermarket access	18.4396253
Tree canopy	26.81894007
Housing	—
Homeownership	60.60567176
Housing habitability	35.30091107
Low-inc homeowner severe housing cost burden	68.24072886
Low-inc renter severe housing cost burden	41.4731169
Uncrowded housing	10.61208777
Health Outcomes	—
Insured adults	12.03644296
Arthritis	0.0
Asthma ER Admissions	25.8
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	20.6

Cognitively Disabled	62.4
Physically Disabled	68.4
Heart Attack ER Admissions	50.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	95.1
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	37.8
Elderly	77.3
English Speaking	11.8
Foreign-born	79.0
Outdoor Workers	49.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	10.4
Traffic Density	61.3
Traffic Access	70.6
Other Indices	—
Hardship	77.0
Other Decision Support	—

2016 Voting	12.2
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7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	35.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	per site plan building and landscaping sf based on the gross total lot acreage based on the footprint total
Construction: Construction Phases	per construction questionnaire and client input
Construction: Off-Road Equipment	added two pumps to the building construction and infrastructure improvement phases to account for concrete pumps per client input
Construction: Trips and VMT	added four vendor trips to building construction and infrastructure improvement phases to account for two concrete trucks/day per client input

Operations: Vehicle Data	warehouse = warehouse truck trips parking lot = passenger vehicle trips
Operations: Fleet Mix	warehouse = warehouse truck trips parking lot = passenger vehicle trips
Construction: Off-Road Equipment EF	pump EF taken from CARB OFFROAD 2021 for Los Angeles County, 2025