
APPENDIX 3.2-1

AIR QUALITY AND GREENHOUSE GAS EMISSIONS MODELING



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Air Quality and Greenhouse Gas Emissions Modeling

CalEEMod Inputs - Paul Ecke Elementary School Project, Construction

Name: Paul Ecke Elementary School Project
Project Number: EUSD-03
Project Location: 185 Union St, Encinitas, CA 92024
Air Basin: San Diego
Air District: San Diego APCD
Land Use Setting: Urban
Gas Utility Company: PG&E
Electric Utility Company: PG&E

Project Site Acreage 7.35
Disturbed Site Acreage 7.23

	SQFT	Tons
Building Demolition		
Administration Building (BLDG 1)	7,120	
Classroom / Kitchen (BLDG 2)	3,782	
Historic Schoolhouse (BLDG 3)	252	
MPR / classrooms (BLDG 4)	9,892	
Classrooms (BLDG 6)	2,981	
Classrooms (BLDG 7)	13,944	
Media Center / Classrooms (BLDG 8)	5,314	
Kindergarten Building (BLDG 9)	7,302	
Portable Classrooms	4,999	
Lunch Shelter	3,081	
TOTAL	58,667	2,699
Asphalt Demolition	142,529	2,112
	TOTAL TONS	4,810

Project Components	Number of Stories	Gross SQFT	Acres	Classrooms/Rooms	Covered Space	Conditioned Space
Buildings						
Admin	1	6,302	0.14	24	1,885	4,417
Classroom 200	1	6,640	0.15	10	2,169	4,471
Classroom 300	1	6,636	0.15	10	2,172	4,464
Classroom 400	1	6,632	0.15	10	2,165	4,467
Classroom 500	1	2,359	0.05	5	2,359	0
Classroom 600	1	12,049	0.28	38	3,133	8,916
Classroom 700	1	6,643	0.15	10	2,170	4,473
Classroom 800	1	7,793	0.18	10	2,669	5,124
Flex 300	1	3,379	0.08	6	1,424	1,955
Library	1	4,945	0.11	4	0	4,945
Historic Schoolhouse (Renovation)	1	4,958	0.11	10	4,958	5,210
MPR	1	15,617	0.36	23	6,076	9,541
Onsite Surface Work						
	Number of Stalls	Gross SQFT	Acres			
Landscaping						
Natural turf	NA	81,135	1.86			
Playfield	NA	30,000	0.69			
Other Landscaping	NA	4,844	0.11			
Hardscape						
Non-Parking Asphalt Pavement	NA	32,093	0.74			
Concrete Hardscape	NA	61,928	1.42			
Hardcourts	NA	14,220	0.33			
Parking						
Parking Area on Vulcan Avenue	25	4,125	0.09			
Parking Area on Union Street	35	6,600	0.15			
Additional Parking Areas	6	990	0.02			
		319,888.00	7.34			

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet	Landscape Area Square Feet	Special Landscape Area Square Feet
School	Elementary School ¹	83.953	1000 sqft	4.59	83,953	115,979	0
Parking	Other Non-Asphalt Surfaces	76.148	1000 sqft	1.75	76,148	0	0
Parking	Other Asphalt Surfaces	32.093	1000 sqft	0.74	32,093	0	0
Parking	Parking Lot	11.715	1000 sqft	0.27	11,715	0	0
				7.34			

Notes:
¹ Land use square feet accounts for gross square footages provided by applicant in data request received 7/24/25. Square footage of Old Schoolhouse building is included to account for renovation work

Demolition

Component	Amount to be Demolished (CY or Tons)	Haul Truck Capacity (CY or Tons per truck) ¹	Haul Distance (miles) ¹	Total Trip Ends	Duration (days)	Trip Ends/Day
Building Demolition Debris Haul (CY)	5,397	16	20	676	20	34
Asphalt Demolition Debris Haul (Tons)	2,112	20	20	212	20	26

Notes:
¹ CalEEMod default used

Architectural Coating

	Percent Painted	
Interior Painted:	100%	
Exterior Painted:	100%	
		Default
Interior Non-Residential Paint VOC content:	50	grams per liter
Exterior Non-Residential Paint VOC content:	50	grams per liter
Parking Paint VOC content:	100	grams per liter

SDAPCD Rule 67.0.1.

Structures	Land Use Square Feet	CalEEMod Factor ²	Total Paintable Surface		
			Area	Paintable Interior Area ¹	Paintable Exterior Area ¹
Non-Residential Structures					
Elementary School1	83,953	2.0	167,906	125,930	41,977
				125,930	41,977
Parking					
Other Non-Asphalt Surfaces	76,148	6%	4,569		4,569
Other Asphalt Surfaces	32,093	6%	1,926		1,926
Parking Lot	11,715	6%	703	-	703
				7,197	

Notes:
¹ CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.
² The program assumes the total surface for painting equals 2 times the floor square footage for nonresidential square footage defined by the user.
³ CalEEMod default assumes 6% of other non-asphalt surfaces will be striped.

Construction Mitigation

SDAPCD Rule 55

Water Exposed Area	Frequency:	2	per day
	PM10:	61	% Reduction
	PM25:	61	% Reduction
Water Unpaved Roads	Frequency:	2	per day
	PM10:	55	% Reduction
	PM25:	55	% Reduction
Unpaved Roads	Vehicle Speed:	25	mph
	Clean Paved Road	9	% PM Reduction

San Diego Gas & Electricity Carbon Intensity Factors

FORECASTED FACTORS 2027		
CO ₂ :	45.10	pounds per megawatt hour
CH ₄ :	0.033	pound per megawatt hour
N ₂ O:	0.004	pound per megawatt hour

Notes:
¹ CalEEMod default values.

Construction Activities and Schedule Assumptions

Default CalEEMod Construction Schedule				
Construction Activities	Phase Type	Start Date	End Date	CalEEMod Duration (Workday)
Demolition	Demolition	6/15/2026	7/10/2026	20
Site Preparation	Site Preparation	7/11/2026	7/24/2026	10
Grading	Grading	7/25/2026	8/21/2026	20
Building Construction	Building Construction	8/22/2026	7/9/2027	230
Paving	Paving	7/10/2027	8/8/2027	20
Architectural Coating	Architectural Coating	8/9/2027	9/5/2027	20

Revised Construction Schedule (CalEEMod)				
Construction Activities	Phase Type	Start Date	End Date	CalEEMod Duration (Workday)
Building and Asphalt Demolition	Demolition	6/15/2026	7/10/2026	20
Offsite Installation of Interim Portables ^{1,3}	Trenching	6/15/2026	6/17/2026	3
Site Preparation	Site Preparation	7/11/2026	7/24/2026	10
Grading	Grading	7/25/2026	8/21/2026	20
Building Construction ²	Building Construction	8/22/2026	8/1/2027	245
Paving	Paving	7/3/2027	8/1/2027	20
Architectural Coating	Architectural Coating	7/3/2027	8/1/2027	20
Offsite Removal of Interim Portables ^{3,4}	Trenching	7/6/2027	7/8/2027	3

Notes

¹ This activity accounts for the installation of the portable classroom buildings on the Park Dale Lane ES and El Camino Creek ES campuses. This activity would occur offsite during the summer of 2026. It is assumed for the purposes of this analysis to occur concurrently with demolition activities on the Paul Ecke ES campus.

²

Schedule conservatively assumes overlap between building construction, architectural coating, paving, and removal of portables.

³ Utility trenching for interim portables is assumed to be 3 days with use of a crane at each school site (Park Dale Lane ES and El Camino Creek ES campuses).

⁴

This activity accounts for the removal of portable classrooms buildings on the Park Dale Lane ES and El Camino Creek ES campuses. This activity would occur offsite before these schools return to session in August 2027.

Building Demolition Haul Trip Calculation

Source: CalEEMod User's Guide Version 2022.1, Appendix C

Conversion factors

0.046 ton/SF	Building Debris
2 CY/ton	Building Debris
1.2641662 tons/CY	Soil
20 tons	Truck Capacity in tons
10 CY	Truck Capacity in CY
0.5 CY/ton	Soil

Building	BSF Demo ¹	Tons/SF	Tons	CY of Building Materials	Haul Truck (CY)	Haul Truck (Ton) ²	Round Trips	Total Trip Ends
Building Demo	58,667	0.046	2698.682	5397.364	16	20	338	676

Notes:

¹ BSF provided by District.

² CalEEMod default haul truck capacity used.

Pavement Volume to Weight Conversion

Component	Total SF of Area¹	Assumed Thickness (foot)²	Debris Volume (cu. ft)	Weight of Crushed Asphalt (lbs/cf)³	AC Mass (lbs)	AC Mass (tons)
Asphalt Demolition	142,529	0.333	47,510	89	4,223,081	2111.54
Total	142,529					2,112

¹ Asphalt demolition SQFT provided by District.

² Gibbons, Jim. 1999. Pavements and Surface Materials. Nonpoint Education for Municipal Officials, Technical Paper Number 8. University of Connecticut Cooperative Extension System. https://www.uni-groupusa.org/PDF/NEMO_tech_8.pdf

³ CalRecycle. 2019. Solid Waste Cleanup Program Weights and Volumes for Project Estimates.

CalEEMod Construction Off-Road Equipment Inputs

Where information has not been provided, CalEEMod default equipment, worker, and vendor trips have been used

CalEEMod Equipment	# of Equipment	hr/day	Equipment Tier ¹	hp	load factor*	total trips per day
Building and Asphalt Demolition						
Rubber Tired Dozers	2	8	Tier 4 Interim	367	0.40	
Excavators	3	8	Average	36	0.38	
Concrete/Industrial Saws	1	8	Average	33	0.73	
Worker Trips						15
Vendor Trips						2
Hauling Trips						60
Water Trucks	Acres Disturbed Per Day:	1.00				6
	Onsite Travel (mi/day):	0.83				
Total Vendor Trips						8
Offsite Interim Portables Installation						
Cranes	2	8	Average	367	0.29	
Worker Trips						3
Vendor Trips						72
Site Preparation						
Rubber Tired Dozers	3	8	Tier 4 Interim	367	0.40	
Tractors/Loaders/Backhoes	4	8	Tier 4 Interim	84	0.37	
Worker Trips						18
Vendor Trips						1
Hauling Trips						0
Water Trucks (added to Vendor Trips)	Acres Disturbed Per Day:	3.50				18
	Onsite Travel (mi/day):	2.89				
Total Vendor Trips						19
Grading						
Graders	1	8	Tier 4 Interim	148	0.41	
Excavators	1	8	Average	36	0.38	
Tractors/Loaders/Backhoes	3	8	Tier 4 Interim	84	0.37	
Rubber Tired Dozers	1	8	Tier 4 Interim	367	0.40	
Worker Trips						15
Vendor Trips						3
Hauling Trips						0
Water Trucks (added to Vendor Trips)	Acres Disturbed Per Day:	2.50				14
	Onsite Travel (mi/day):	2.06				
Total Vendor Trips						17
Building Construction						
Forklifts	3	8	Tier 4 Interim	82	0.2	
Generator Sets	1	8	Average	14	0.74	
Cranes	1	7	Tier 4 Interim	367	0.29	
Welders	1	8	Average	46	0.45	
Tractors/Loaders/Backhoes	3	7	Tier 4 Interim	84	0.37	
Worker Trips						33
Vendor Trips						13
Paving						
Pavers	2	8	Tier 4 Interim	81	0.42	
Paving Equipment	2	8	Tier 4 Interim	89	0.36	
Rollers	2	8	Average	36	0.38	
Worker Trips						15
Vendor Trips						2
Architectural Coating						
Air Compressors	1	6	Average	37	0.48	
Worker Trips						7
Vendor Trips						0
Offsite Interim Portables Removal						
Cranes	2	8	Average	367	0.29	
Worker Trips						3
Vendor Trips						72

Notes:

¹ Denotes the equipment tier incorporated under Mitigation Measure AIR-1 (applies to onsite equipment over 50 hp).

Water Truck Vendor Trip Calculation

Amount of Water (gal/acre/day) ¹	Water Truck Capacity (gallons) ²
10,000	4,000

Notes:

¹ Based on data provided in *Guidance for Application for Dust Control Permit* Maricopa County Air Quality Department. 2005, June. *Guidance for Application of Dust Control Permit*. https://www.epa.gov/sites/default/files/2019-04/documents/mr_guidanceforapplicationfordustcontrolpermit.pdf

² Based on standard water truck capacity:

McLellan Industries. 2025, January (access). *Water Trucks*. <https://www.mclellanindustries.com/trucks/water-trucks/>

³ Assumes that dozers, tractors/loaders/backhoes, and graders can disturb 0.50 acres per day and scrapers can disturb 1 acre per day.

CalEEMod Inputs - Paul Ecke Elementary School Project, Operation

Name: Paul Ecke Elementary School Project
Project Number: EUSD-03
Project Location: 185 Union St, Encinitas, CA 92024
Air Basin: San Diego
Air District: San Diego APCD
Land Use Setting: Urban
Gas Utility Company: PG&E
Electric Utility Company: PG&E
SRA: 17 - Central Orange County

Project Site Acreage 7.35
 Disturbed Site Acreage 7.23

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet	Landscape Area Square Feet	Special Landscape Area Square Feet
School	Elementary School	83.953	1000 sqft	4.59	83,953	115,979	0
Parking	Other Non-Asphalt Surfaces	76.148	1000 sqft	1.75	76,148	0	0
Parking	Other Asphalt Surfaces	32.093	1000 sqft	0.74	32,093	0	0
Parking	Parking Lot	11.715	1000 sqft	0.27	11,715	0	0
				7.34			

Temporary Vehicle Trips for Student Relocation¹

Passenger Vehicle Trips	ITE Trip Rate	Bus Trips	CalEEMod Trip Rate	Total Trips	Passenger Vehicle Percent	School Bus Percent
642.4	2.27	12.00	7.79	654	98%	2%

Source: Based on assumptions in the Traffic/Circulation Analysis for the Proposed Paul Ecke Central Elementary School Reconstruction Project, Garland Associates, September 2025

Notes: The proposed project would not result in a net increase in trips during operation.

¹ During construction of the proposed project, students of Paul Ecke ES would attend school at the Park Dale Lane ES and El Camino Creek ES campuses. Based on the assumptions outlined in the TIA, 50% of students would bus to these campuses, resulting in 3 buses to each school, while the remaining 50% percent would drive to each school. This would result in 283 vehicle trips in total and 6 bus trips per school day.

Water Use

No water use is modeled. The proposed project would result in no net increase in students and therefore, no increase in water use is assumed.

Solid Waste

No solid waste generation is modeled. The proposed project would result in no net increase in students and therefore, no increase in solid waste generation is assumed.

Electricity (Buildings)

Default CalEEMod Energy Use

Land Use Subtype	Total Annual Electricity Consumption (kWh/year)	Total Annual Natural Gas Consumption (kBTU/year)	Title-24 Electricity Energy Intensity (kWhr/size/year)*	Title-24 Natural Gas Energy Intensity (KBTU/size/year)*	Nontitle-24 Electricity Energy Intensity (kWhr/size/year)	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year)
Elementary School	566,341.62	1,322,201.08	475,874.40	731,409.65	90,467.22	590,791.43
Parking Lot	10,262.34	0.00	10,262.34	0.00	0.00	0.00
	576,603.96					

Converting Natural Gas Consumption to Electricity Consumption for All-Electric Buildings

Land Use Subtype	Title-24 Natural Gas Energy Intensity (KBTU/size/year)	Converted Title-24 Energy Intensity (kWh/size/year)*	Nontitle-24 Natural Gas Energy Intensity (KBTU/size/year)	Converted Nontitle-24 Energy Intensity (kWh/size/year)*
Elementary School	731,409.65	214.36	590,791.43	173.15

*Assumes 3,412 BTU per kWh. (Source: Units and calculators explained British thermal units (Btu). <https://www.eia.gov/energyexplained/units-and-calculators/british-thermal-units.php>)

Adjusted CalEEMod Energy Use

Land Use Subtype	Total Annual Electricity Consumption (kWh/year)	Total Annual Natural Gas Consumption (kBTU/year)	Title-24 Electricity Energy Intensity (kWh/year)	Title-24 Natural Gas Energy Intensity (KBTU/year)	Nontitle-24 Electricity Energy Intensity (kWh/year)	Nontitle-24 Natural Gas Energy Intensity (KBTU/year)
Elementary School	566,729.13	0.00	476,088.76	0.00	90,640.37	0.00
Parking Lot	10,262.34	0.00	10,262.34	0.00	0.00	0.00
TOTAL	576,991.47	0.00	486,351.10	0.00	90,640.37	0.00

Architectural Coating (see Construction Tab)

Changes to the CalEEMod Defaults - Fleet Mix 2027

Trips 654

Default	HHD	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHD	OBUS	SBUS	UBUS	
FleetMix (Model Default)	0.68019079	50.45731664	4.655237868	22.68114388	2.832839638	0.729837315	2.717169374	13.6516884	0.494522788	0.886845309	0.071125501	0.096020597	0.0460601	
FleetMix (Model Default) adjusted	0.006801908	0.504573166	0.046552379	0.226811439	0.028328396	0.007298373	0.027171694	0.136516884	0.004945228	0.008868453	0.000711255	0.000960206	0.000460601	100%
Trips	4	330	30	148	19	5	18	89	3	6	0	1	0	654
Percent		81%			6%			14%						100%
without buses/MH	0.006802	0.504573	0.046552	0.226811	0.028328	0.007298	0.027172	0.136517	0.004945	0.008868	0	0.000960	0	100%
Percent		81%			6%			14%						100%
Adjusted without buses/MH	0.006941	0.504573	0.046552	0.226811	0.028909	0.007448	0.027728	0.136517	0.005047	0.009050	0.000000	0.000980	0.000000	
Percent adjusted		81%			6%			14%						100%
Assumed Mix		98.2%			1.83%			0.00%						100%
	0.614797	0.056722	0.276358				0.033786					0.018337	0.000000	100%
adjusted with Assumed	0.000000	61.479715	5.672174	27.635839	0.000000	0.000000	3.378559	0.000000	0.000000	0.000000	0.000000	1.833713	0.000000	100.000000
Percent Check:		98%			2%			0%						

Fleet mix for the project is modified to reflect a higher proportion of passenger vehicles than the regional VMT. Assumes a mix of approximately 97% passenger vehicles, 2% medium duty trucks, and 1% heavy duty trucks and buses.

Paul Ecke Elementary School Rebuild Project Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Paul Ecke Elementary School Rebuild Project
Construction Start Date	6/15/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	2.2
Precipitation (days)	22
Location	185 Union St, Encinitas, CA 92024, USA
County	San Diego
City	Encinitas
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6221
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.33

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
Elementary School	84	1000sqft	4.5	83,953	115,979	115,979	—	—

Other Non-Asphalt Surfaces	76	1000sqft	1.7	0.00	0.00	—	—	—
Other Asphalt Surfaces	32	1000sqft	0.74	0.00	0.00	—	—	—
Parking Lot	12	1000sqft	0.27	0.00	0.00	—	—	—

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.	25	24	36	34	0.09	1.2	22	23	1.1	10	12	—	11,793	11,793	0.51	1.0	14	12,123
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.4	1.2	10	15	0.03	0.38	0.39	0.77	0.35	0.09	0.45	—	3,045	3,045	0.13	0.08	0.05	3,072
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.8	1.7	5.9	6.8	0.01	0.22	1.4	1.7	0.20	0.56	0.76	—	1,612	1,612	0.07	0.07	0.53	1,635
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.33	0.31	1.1	1.2	< 0.005	0.04	0.26	0.30	0.04	0.10	0.14	—	267	267	0.01	0.01	0.09	271

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.2	3.3	36	30	0.09	1.2	22	23	1.1	10	12	—	11,793	11,793	0.51	1.0	14	12,123
2027	25	24	27	34	0.07	0.95	1.1	2.0	0.88	0.28	1.2	—	8,701	8,701	0.35	0.37	6.6	8,825
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.4	1.2	10	15	0.03	0.38	0.39	0.77	0.35	0.09	0.45	—	3,045	3,045	0.13	0.08	0.05	3,072
2027	1.4	1.2	9.9	14	0.03	0.34	0.39	0.73	0.31	0.09	0.41	—	3,032	3,032	0.13	0.08	0.05	3,059
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.77	0.63	5.9	6.8	0.01	0.22	1.4	1.7	0.20	0.56	0.76	—	1,612	1,612	0.07	0.07	0.53	1,635
2027	1.8	1.7	4.6	6.7	0.01	0.16	0.17	0.34	0.15	0.04	0.19	—	1,399	1,399	0.06	0.04	0.35	1,412
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.14	0.12	1.1	1.2	< 0.005	0.04	0.26	0.30	0.04	0.10	0.14	—	267	267	0.01	0.01	0.09	271
2027	0.33	0.31	0.85	1.2	< 0.005	0.03	0.03	0.06	0.03	0.01	0.03	—	232	232	0.01	0.01	0.06	234

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.	5.3	5.0	2.1	25	0.05	0.04	4.5	4.6	0.03	1.1	1.2	0.00	4,677	4,677	0.28	0.16	14	4,744
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.6	4.4	2.2	20	0.04	0.03	4.5	4.6	0.03	1.1	1.2	0.00	4,420	4,420	0.29	0.17	0.68	4,478

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.2	4.0	1.6	16	0.03	0.02	3.2	3.2	0.02	0.81	0.83	0.00	3,211	3,211	0.22	0.12	4.6	3,257
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.76	0.72	0.29	2.9	0.01	< 0.005	0.58	0.59	< 0.005	0.15	0.15	0.00	532	532	0.04	0.02	0.76	539

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	2.7	2.5	2.1	21	0.05	0.03	4.5	4.6	0.03	1.1	1.2	—	4,590	4,590	0.22	0.15	14	4,654
Area	2.6	2.5	0.03	3.7	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	15	15	< 0.005	< 0.005	—	15
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	71	71	0.05	0.01	—	74
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Total	5.3	5.0	2.1	25	0.05	0.04	4.5	4.6	0.03	1.1	1.2	0.00	4,677	4,677	0.28	0.16	14	4,744
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.7	2.5	2.2	20	0.04	0.03	4.5	4.6	0.03	1.1	1.2	—	4,349	4,349	0.24	0.16	0.36	4,403
Area	1.9	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	71	71	0.05	0.01	—	74
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Total	4.6	4.4	2.2	20	0.04	0.03	4.5	4.6	0.03	1.1	1.2	0.00	4,420	4,420	0.29	0.17	0.68	4,478

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.9	1.7	1.6	14	0.03	0.02	3.2	3.2	0.02	0.81	0.83	—	3,132	3,132	0.17	0.11	4.3	3,175
Area	2.2	2.2	0.02	1.8	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.4	7.4	< 0.005	< 0.005	—	7.4
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	71	71	0.05	0.01	—	74
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Total	4.2	4.0	1.6	16	0.03	0.02	3.2	3.2	0.02	0.81	0.83	0.00	3,211	3,211	0.22	0.12	4.6	3,257
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.35	0.32	0.29	2.6	0.01	< 0.005	0.58	0.59	< 0.005	0.15	0.15	—	519	519	0.03	0.02	0.70	526
Area	0.41	0.40	< 0.005	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.2	1.2	< 0.005	< 0.005	—	1.2
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	12	12	0.01	< 0.005	—	12
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	0.76	0.72	0.29	2.9	0.01	< 0.005	0.58	0.59	< 0.005	0.15	0.15	0.00	532	532	0.04	0.02	0.76	539

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

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

Location	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	2.7	2.3	21	19	0.03	0.84	—	0.84	0.78	—	0.78	—	3,427	3,427	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	3.3	3.3	—	0.50	0.50	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.55	0.55	< 0.005	0.05	0.05	—	4.5	4.5	< 0.005	< 0.005	0.01	4.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.1	1.0	< 0.005	0.05	—	0.05	0.04	—	0.04	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.18	0.18	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.25	0.25	< 0.005	< 0.005	< 0.005	0.26
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.21	0.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31	31	< 0.005	< 0.005	—	31
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.65	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	139	139	0.01	< 0.005	0.49	142
Vendor	0.02	0.01	0.25	0.12	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	197	197	0.01	0.03	0.48	206

Hauling	0.31	0.09	5.4	2.1	0.03	0.08	1.1	1.2	0.05	0.31	0.36	—	4,231	4,231	0.21	0.68	8.8	4,448
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.3	7.3	< 0.005	< 0.005	0.01	7.4
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.01	11
Hauling	0.02	0.01	0.31	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	232	232	0.01	0.04	0.21	243
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.2	1.2	< 0.005	< 0.005	< 0.005	1.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.8	1.8	< 0.005	< 0.005	< 0.005	1.9
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38	38	< 0.005	0.01	0.03	40

3.3. Site Preparation (2026) - Unmitigated

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

Location	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	3.7	3.1	29	29	0.05	1.2	—	1.2	1.1	—	1.1	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	20	20	—	10	10	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	1.9	1.9	< 0.005	0.19	0.19	—	12	12	< 0.005	< 0.005	0.02	12

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	0.79	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.28	0.28	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	< 0.005	< 0.005	—	0.32	0.32	< 0.005	< 0.005	< 0.005	0.33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24	24	< 0.005	< 0.005	—	24
Dust From Material Movement	—	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.06
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.76	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	163	163	0.01	0.01	0.57	165
Vendor	0.04	0.02	0.60	0.28	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	467	467	0.02	0.07	1.1	488
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	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.2	4.2	< 0.005	< 0.005	0.01	4.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13	13	< 0.005	< 0.005	0.01	13
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	< 0.005	0.71
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.1	2.1	< 0.005	< 0.005	< 0.005	2.2
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	0.00

3.5. Grading (2026) - Unmitigated

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

Location	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	2.0	1.6	15	17	0.03	0.65	—	0.65	0.59	—	0.59	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.1	7.1	—	3.4	3.4	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.4	1.4	< 0.005	0.14	0.14	—	8.8	8.8	< 0.005	< 0.005	0.02	9.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.11	0.09	0.82	0.96	< 0.005	0.04	—	0.04	0.03	—	0.03	—	162	162	0.01	< 0.005	—	163
Dust From Material Movement	—	—	—	—	—	—	0.39	0.39	—	0.19	0.19	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	0.48	0.48	< 0.005	< 0.005	< 0.005	0.51
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27	27	< 0.005	< 0.005	—	27
Dust From Material Movement	—	—	—	—	—	—	0.07	0.07	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.65	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	139	139	0.01	< 0.005	0.49	142
Vendor	0.03	0.01	0.54	0.25	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	418	418	0.02	0.06	1.0	437
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	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.3	7.3	< 0.005	< 0.005	0.01	7.4
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23	23	< 0.005	< 0.005	0.02	24
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	—	1.2	1.2	< 0.005	< 0.005	< 0.005	1.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.8	3.8	< 0.005	< 0.005	< 0.005	4.0
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

3.7. Building Construction (2026) - Unmitigated

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

Location	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	1.3	1.1	9.9	13	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	1.3	1.1	9.9	13	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	0.33	0.28	2.5	3.3	0.01	0.10	—	0.10	0.09	—	0.09	—	619	619	0.03	0.01	—	621
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	0.06	0.05	0.46	0.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	103	103	< 0.005	< 0.005	—	103
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	0.15	0.13	0.10	1.5	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	328	328	0.02	0.01	1.1	333
Vendor	0.03	0.01	0.44	0.20	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	338	338	0.01	0.05	0.82	354
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	0.14	0.13	0.11	1.3	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	310	310	0.02	0.01	0.03	314
Vendor	0.03	0.01	0.45	0.21	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	338	338	0.01	0.05	0.02	353
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	0.04	0.03	0.03	0.35	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81	81	< 0.005	< 0.005	0.13	82
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	87	87	< 0.005	0.01	0.09	91
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	0.01	0.01	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13	13	< 0.005	< 0.005	0.02	14
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14	14	< 0.005	< 0.005	0.02	15
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 (2027) - 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	1.2	1.0	9.4	13	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
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	1.2	1.0	9.4	13	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
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	0.51	0.43	3.9	5.4	0.01	0.14	—	0.14	0.13	—	0.13	—	999	999	0.04	0.01	—	1,003
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	0.09	0.08	0.71	0.98	< 0.005	0.03	—	0.03	0.02	—	0.02	—	165	165	0.01	< 0.005	—	166
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	0.14	0.12	0.09	1.4	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	322	322	0.01	0.01	1.0	327
Vendor	0.02	0.01	0.42	0.20	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	331	331	0.01	0.05	0.74	346
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	0.13	0.12	0.11	1.3	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	304	304	0.02	0.01	0.03	308
Vendor	0.02	0.01	0.43	0.20	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	331	331	0.01	0.05	0.02	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	0.06	0.05	0.04	0.54	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	128	128	0.01	< 0.005	0.19	130
Vendor	0.01	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	138	138	0.01	0.02	0.13	144
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	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21	21	< 0.005	< 0.005	0.03	21
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23	23	< 0.005	< 0.005	0.02	24
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. Paving (2027) - 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	0.88	0.74	6.9	10.0	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.13	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.04	0.38	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	83	83	< 0.005	< 0.005	—	83
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14	14	< 0.005	< 0.005	—	14
Paving	< 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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.61	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	137	137	0.01	< 0.005	0.44	139
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	48	48	< 0.005	0.01	0.11	50
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	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.2	7.2	< 0.005	< 0.005	0.01	7.3
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.6	2.6	< 0.005	< 0.005	< 0.005	2.8
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	—	1.2	1.2	< 0.005	< 0.005	< 0.005	1.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.46
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. Architectural Coating (2027) - Unmitigated

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

Location	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	0.14	0.11	0.83	1.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	21	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.3	7.3	< 0.005	< 0.005	—	7.3
Architectural Coatings	1.2	1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.2	1.2	< 0.005	< 0.005	—	1.2
Architectural Coatings	0.21	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.29	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	64	64	< 0.005	< 0.005	0.21	65
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.4	3.4	< 0.005	< 0.005	< 0.005	3.4
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	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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.56
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. Installation of Interim Buildings (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	0.88	0.74	6.9	6.1	0.02	0.28	—	0.28	0.26	—	0.26	—	1,980	1,980	0.08	0.02	—	1,987
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	0.01	0.01	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16	16	< 0.005	< 0.005	—	16
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	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.7	2.7	< 0.005	< 0.005	—	2.7

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	46	46	< 0.005	< 0.005	0.16	47
Vendor	0.14	0.06	2.3	1.1	0.01	0.02	0.46	0.49	0.02	0.13	0.15	—	1,769	1,769	0.07	0.25	4.3	1,851
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	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.37
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15	15	< 0.005	< 0.005	0.02	15
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.4	2.4	< 0.005	< 0.005	< 0.005	2.5
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

3.17. Removal of Interim Buildings (2027) - 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	0.87	0.73	6.6	6.1	0.02	0.27	—	0.27	0.25	—	0.25	—	1,980	1,980	0.08	0.02	—	1,987
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	0.01	0.01	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16	16	< 0.005	< 0.005	—	16
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	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.7	2.7	< 0.005	< 0.005	—	2.7
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	46	46	< 0.005	< 0.005	0.15	46
Vendor	0.13	0.06	2.2	1.0	0.01	0.02	0.46	0.49	0.02	0.13	0.15	—	1,731	1,731	0.07	0.24	3.9	1,809
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	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.36
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14	14	< 0.005	< 0.005	0.01	15
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.4	2.4	< 0.005	< 0.005	< 0.005	2.5
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	2.7	2.5	2.1	21	0.05	0.03	4.5	4.6	0.03	1.1	1.2	—	4,590	4,590	0.22	0.15	14	4,654
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00
Total	2.7	2.5	2.1	21	0.05	0.03	4.5	4.6	0.03	1.1	1.2	—	4,590	4,590	0.22	0.15	14	4,654

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	2.7	2.5	2.2	20	0.04	0.03	4.5	4.6	0.03	1.1	1.2	—	4,349	4,349	0.24	0.16	0.36	4,403
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00
Total	2.7	2.5	2.2	20	0.04	0.03	4.5	4.6	0.03	1.1	1.2	—	4,349	4,349	0.24	0.16	0.36	4,403
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.35	0.32	0.29	2.6	0.01	< 0.005	0.58	0.59	< 0.005	0.15	0.15	—	519	519	0.03	0.02	0.70	526
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00
Total	0.35	0.32	0.29	2.6	0.01	< 0.005	0.58	0.59	< 0.005	0.15	0.15	—	519	519	0.03	0.02	0.70	526

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
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	70	70	0.05	0.01	—	73
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1.3	1.3	< 0.005	< 0.005	—	1.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	71	71	0.05	0.01	—	74
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	70	70	0.05	0.01	—	73
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1.3	1.3	< 0.005	< 0.005	—	1.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	71	71	0.05	0.01	—	74
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	12	12	0.01	< 0.005	—	12
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.21	0.21	< 0.005	< 0.005	—	0.22
Total	—	—	—	—	—	—	—	—	—	—	—	—	12	12	0.01	< 0.005	—	12

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. 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	1.8	1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.65	0.60	0.03	3.7	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	15	15	< 0.005	< 0.005	—	15
Total	2.6	2.5	0.03	3.7	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	15	15	< 0.005	< 0.005	—	15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.8	1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.9	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.06	0.05	< 0.005	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.2	1.2	< 0.005	< 0.005	—	1.2
Total	0.41	0.40	< 0.005	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.2	1.2	< 0.005	< 0.005	—	1.2

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/15/2026	7/10/2026	5.0	20	—
Site Preparation	Site Preparation	7/11/2026	7/24/2026	5.0	10.0	—
Grading	Grading	7/25/2026	8/21/2026	5.0	20	—
Building Construction	Building Construction	8/22/2026	8/1/2027	5.0	245	—
Paving	Paving	7/3/2027	8/1/2027	5.0	20	—
Architectural Coating	Architectural Coating	7/3/2027	8/1/2027	5.0	20	—
Installation of Interim Buildings	Trenching	6/15/2026	6/17/2026	5.0	3.0	—
Removal of Interim Buildings	Trenching	7/6/2027	7/8/2027	5.0	3.0	—

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
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Demolition	Rubber Tired Dozers	Diesel	Average	2.0	8.0	367	0.40
Demolition	Excavators	Diesel	Average	3.0	8.0	36	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.0	33	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.0	8.0	367	0.40
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	4.0	8.0	84	0.37
Grading	Graders	Diesel	Average	1.00	8.0	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.0	36	0.38
Grading	Tractors/Loaders/Back hoes	Diesel	Average	3.0	8.0	84	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.0	367	0.40
Building Construction	Forklifts	Diesel	Average	3.0	8.0	82	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.0	14	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.0	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.0	46	0.45
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.0	7.0	84	0.37
Paving	Pavers	Diesel	Average	2.0	8.0	81	0.42
Paving	Paving Equipment	Diesel	Average	2.0	8.0	89	0.36
Paving	Rollers	Diesel	Average	2.0	8.0	36	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.0	37	0.48
Installation of Interim Buildings	Cranes	Diesel	Average	2.0	8.0	367	0.29
Removal of Interim Buildings	Cranes	Diesel	Average	2.0	8.0	367	0.29

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15	12	LDA,LDT1,LDT2
Demolition	Vendor	8.0	7.6	HHDT,MHDT
Demolition	Hauling	60	20	HHDT
Demolition	Onsite truck	1.00	0.83	HHDT
Site Preparation	Worker	18	12	LDA,LDT1,LDT2
Site Preparation	Vendor	19	7.6	HHDT,MHDT
Site Preparation	Hauling	0.00	20	HHDT
Site Preparation	Onsite truck	1.00	2.9	HHDT
Grading	Worker	15	12	LDA,LDT1,LDT2
Grading	Vendor	17	7.6	HHDT,MHDT
Grading	Hauling	0.00	20	HHDT
Grading	Onsite truck	1.00	2.1	HHDT
Building Construction	Worker	35	12	LDA,LDT1,LDT2
Building Construction	Vendor	14	7.6	HHDT,MHDT
Building Construction	Hauling	0.00	20	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15	12	LDA,LDT1,LDT2
Paving	Vendor	2.0	7.6	HHDT,MHDT
Paving	Hauling	0.00	20	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	7.1	12	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	7.6	HHDT,MHDT
Architectural Coating	Hauling	0.00	20	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Installation of Interim Buildings	Worker	5.0	12	LDA,LDT1,LDT2
Installation of Interim Buildings	Vendor	72	7.6	HHDT,MHDT
Installation of Interim Buildings	Hauling	0.00	20	HHDT

Installation of Interim Buildings	Onsite truck	—	—	HHDT
Removal of Interim Buildings	Worker	5.0	12	LDA,LDT1,LDT2
Removal of Interim Buildings	Vendor	72	7.6	HHDT,MHDT
Removal of Interim Buildings	Hauling	0.00	20	HHDT
Removal of Interim Buildings	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Sweep paved roads once per month	9%	9%

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	125,930	41,977	7,197

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	4,810	0.00
Site Preparation	—	—	15	0.00	0.00
Grading	—	—	20	0.00	0.00
Paving	0.00	0.00	0.00	0.00	2.8

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Elementary School	0.00	0%
Paving	Other Non-Asphalt Surfaces	1.7	0%
Paving	Other Asphalt Surfaces	0.74	100%
Paving	Parking Lot	0.27	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	589	0.03	< 0.005
2027	0.00	589	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
Elementary School	654	0.00	0.00	170,506	6,503	0.00	0.00	1,695,390
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	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

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Elementary School	Wood Fireplaces	0	0
Elementary School	Gas Fireplaces	0	0
Elementary School	Propane Fireplaces	0	0
Elementary School	Electric Fireplaces	0	0
Elementary School	No Fireplaces	0	0
Elementary School	Conventional Wood Stoves	0	0
Elementary School	Catalytic Wood Stoves	0	0
Elementary School	Non-Catalytic Wood Stoves	0	0
Elementary School	Pellet Wood Stoves	0	0
Other Non-Asphalt Surfaces	Wood Fireplaces	0	0
Other Non-Asphalt Surfaces	Gas Fireplaces	0	0
Other Non-Asphalt Surfaces	Propane Fireplaces	0	0
Other Non-Asphalt Surfaces	Electric Fireplaces	0	0
Other Non-Asphalt Surfaces	No Fireplaces	0	0
Other Non-Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Non-Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0

Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0

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)
undefined	0.00	0.00	125,930	41,977	7,197

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
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Elementary School	566,729	45	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	45	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	45	0.0330	0.0040	0.00
Parking Lot	10,262	45	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)
Elementary School	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Elementary School	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
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Elementary School	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Elementary School	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.0	4.0	18
Elementary School	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Elementary School	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.5	7.5	20

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Lot acreage for elementary school use adjusted to account for landscaping acreage
Construction: Construction Phases	Portable installation and removal activities added. Schedule adjusted to conservatively assume overlap between building construction, architectural coating, paving, and removal of portables.
Operations: Vehicle Data	Trips modified to account for temporary student relocation to Park Dale Lane ES and El Camino Creek ES campuses.

Operations: Fleet Mix	Fleet mix accounts for temporary relocation of students to the Park Dale Lane ES and El Camino Creek ES campuses during construction of the proposed project. See CalEEMod inputs page for more information.
Operations: Energy Use	Converts natural gas use to electricity to account for all-electric building design.
Operations: Water and Waste Water	No net increase in water demand assumed.
Operations: Solid Waste	No net increase in waste generation assumed.

Regional Construction Emissions Worksheet:

3.1. Demolition (2026) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite		Summer					
	Off-Road Equipment	2.30	21.00	19.00	0.03	0.84	0.78
	Demolition	0.00	0.00	0.00	0.00	3.30	0.50
	Onsite truck	< 0.005	0.02	0.01	< 0.005	0.55	0.05
	Total	2.30	21.02	19.01	0.03	4.69	1.33
Offsite							
	Worker	0.05	0.04	0.65	0.00	0.13	0.03
	Vendor	0.01	0.25	0.12	< 0.005	0.05	0.02
	Hauling	0.09	5.40	2.10	0.03	1.20	0.36
	Total	0.15	5.69	2.87	0.03	1.38	0.41
TOTAL		2.45	26.71	21.88	0.06	6.07	1.74

3.3. Site Preparation (2026) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite		Summer					
	Off-Road Equipment	3.10	29.00	29.00	0.05	1.20	1.10
	Dust From Material Movement	0.00	0.00	0.00	0.00	20.00	10.00
	Onsite truck	< 0.005	0.03	0.01	< 0.005	1.90	0.19
	Total	3.10	29.03	29.01	0.05	23.10	11.29
Offsite							
	Worker	0.06	0.05	0.76	0.00	0.15	0.03
	Vendor	0.02	0.60	0.28	< 0.005	0.13	0.04
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.08	0.65	1.04	0.00	0.28	0.07
TOTAL		3.18	29.68	30.05	0.05	23.38	11.36

3.5. Grading (2026) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite		Summer					
	Off-Road Equipment	1.60	15.00	17.00	0.03	0.65	0.59
	Dust From Material Movement	0.00	0.00	0.00	0.00	7.10	3.40
	Onsite truck	< 0.005	0.02	0.01	< 0.005	1.40	0.14
	Total	1.60	15.02	17.01	0.03	9.15	4.13
Offsite							
	Worker	0.05	0.04	0.65	0.00	0.13	0.03
	Vendor	0.01	0.54	0.25	< 0.005	0.11	0.04
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.06	0.58	0.90	0.00	0.24	0.07
TOTAL		1.66	15.60	17.91	0.03	9.39	4.20

3.7. Building Construction (2026) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite		Summer					
	Off-Road Equipment	1.10	9.90	13.00	0.02	0.38	0.35
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	1.10	9.90	13.00	0.02	0.38	0.35
Offsite							
	Worker	0.13	0.10	1.50	0.00	0.30	0.07
	Vendor	0.01	0.44	0.20	< 0.005	0.09	0.03
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.14	0.54	1.70	0.00	0.39	0.10
Onsite		Winter					
	Off-Road Equipment	1.10	9.90	13.00	0.02	0.38	0.35
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	1.10	9.90	13.00	0.02	0.38	0.35
Offsite							
	Worker	0.13	0.11	1.30	0.00	0.30	0.07
	Vendor	0.01	0.45	0.21	< 0.005	0.09	0.03
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.14	0.56	1.51	0.00	0.39	0.10
Onsite		MAX					
	Off-Road Equipment	1.10	9.90	13.00	0.02	0.38	0.35
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	1.10	9.90	13.00	0.02	0.38	0.35
Offsite							
	Worker	0.13	0.11	1.50	0.00	0.30	0.07
	Vendor	0.01	0.45	0.21	0.00	0.09	0.03
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.14	0.56	1.71	0.00	0.39	0.10
TOTAL		1.24	10.46	14.71	0.02	0.77	0.45

3.9. Building Construction (2027) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite	Summer						
	Off-Road Equipment	1.00	9.40	13.00	0.02	0.34	0.31
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	1.00	9.40	13.00	0.02	0.34	0.31
Offsite	Worker	0.12	0.09	1.40	0.00	0.30	0.07
	Vendor	0.01	0.42	0.20	< 0.005	0.09	0.03
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.13	0.51	1.60	0.00	0.39	0.10
Onsite	Winter						
	Off-Road Equipment	1.00	9.40	13.00	0.02	0.34	0.31
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	1.00	9.40	13.00	0.02	0.34	0.31
Offsite	Worker	0.12	0.11	1.30	0.00	0.30	0.07
	Vendor	0.01	0.43	0.20	< 0.005	0.09	0.03
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.13	0.54	1.50	0.00	0.39	0.10
Onsite	MAX						
	Off-Road Equipment	1.00	9.40	13.00	0.02	0.34	0.31
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	1.00	9.40	13.00	0.02	0.34	0.31
Offsite	Worker	0.12	0.11	1.40	0.00	0.30	0.07
	Vendor	0.01	0.43	0.20	0.00	0.09	0.03
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.13	0.54	1.60	0.00	0.39	0.10
TOTAL		1.13	9.94	14.60	0.02	0.73	0.41

3.11. Paving (2027) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite	Summer						
	Off-Road Equipment	0.74	6.90	10.00	0.01	0.30	0.27
	Paving	0.13	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.87	6.90	10.00	0.01	0.30	0.27
Offsite	Worker	0.05	0.04	0.61	0.00	0.13	0.03
	Vendor	< 0.005	0.06	0.03	< 0.005	0.01	< 0.005
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.05	0.10	0.64	0.00	0.14	0.03
TOTAL	0.92	7.00	10.64	0.01	0.44	0.30	

3.13. Architectural Coating (2027) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite	Summer						
	Off-Road Equipment	0.11	0.83	1.10	< 0.005	0.02	0.02
	Architectural Coating	21.00	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	21.11	0.83	1.10	0.00	0.02	0.02
Offsite	Worker	0.02	0.02	0.29	0.00	0.06	0.01
	Vendor	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
	Total	0.02	0.02	0.29	0.00	0.06	0.01
TOTAL	21.13	0.85	1.39	0.00	0.08	0.03	

3.15. Installation of Interim Buildings (2026) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite	Summer						
	Off-Road Equipment	0.74	6.90	6.10	0.02	0.28	0.26
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.74	6.90	6.10	0.02	0.28	0.26
Offsite	Worker	0.02	0.01	0.22	0.00	0.04	0.01
	Vendor	0.06	2.30	1.10	0.01	0.49	0.15
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.08	2.31	1.32	0.01	0.53	0.16
TOTAL	0.82	9.21	7.42	0.03	0.81	0.42	

3.17. Removal of Interim Buildings (2027) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite	Summer						
	Off-Road Equipment	0.73	6.60	6.10	0.02	0.27	0.25
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.73	6.60	6.10	0.02	0.27	0.25
Offsite	Worker	0.02	0.01	0.20	0.00	0.04	0.01
	Vendor	0.06	2.20	1.00	0.01	0.49	0.15
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.08	2.21	1.20	0.01	0.53	0.16
TOTAL	0.81	8.81	7.30	0.03	0.80	0.41	

Temporary Student Relocation Mobile Emissions

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Mobile	Summer						
		2.50	2.10	21.00	0.05	4.60	1.20
	Winter						
Mobile		2.50	2.20	20.00	0.04	4.60	1.20
	MAX						
Mobile		2.50	2.20	21.00	0.05	4.60	1.20

Emissions Summary¹	VOC	NOx	CO	SO2	PM10 Total	PM2.5 Total
<i>Demolition</i>	5	29	43	0	11	3
<i>Utility Trenching (Installation of Portables)</i>	3	11	28	0	5	2
<i>Demolition & Installation of Portables Overlap</i>	8	40	71	0	16	5
<i>Site Preparation</i>	6	32	51	0	28	13
<i>Grading</i>	4	18	39	0	14	5
<i>Building Construction 2026</i>	4	13	36	0	5	2
<i>Building Construction 2027</i>	4	12	36	0	5	2
<i>Paving</i>	3	9	32	0	5	2
<i>Architectural Coating</i>	24	3	22	0	5	1
<i>Utility Trenching (Removal of Portables)</i>	3	11	28	0	5	2
<i>Building Construction 2027, Paving, Removal of Portables, and Architectural Coating</i>	26	22	44	0	6	2
<i>Temporary Student Relocation Mobile Emissions</i>	3	2	21	0	5	1

MAX DAILY (lbs/day)	26	40	71	0	28	13
San Diego Significance Thresholds	75	250	550	250	100	55
Exceeds Thresholds?	No	No	No	No	No	No

Notes

¹ Mobile emissions associated with the temporary relocation of students to the Park Dale Lane ES and El Camino Creek ES campuses would concurrently with construction activities occurring each workday during the school year. Therefore, these mobile emissions are added to each activity's emissions to account of the total maximum daily.

Regional Construction Emissions Worksheet:

3.1. Demolition (2026) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite	Annual						
	Off-Road Equipment	0.02	0.21	0.19	< 0.005	0.01	0.01
	Demolition	0.00	0.00	0.00	0.00	0.03	< 0.005
	Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005
	Total	0.02	0.21	0.19	0.00	0.05	0.01
Offsite	Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005
	Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	Hauling	< 0.005	0.06	0.02	< 0.005	0.01	< 0.005
	Total	0.00	0.06	0.03	0.00	0.01	0.00
TOTAL		0.02	0.27	0.22	0.00	0.06	0.01

3.3. Site Preparation (2026) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite	Annual						
	Off-Road Equipment	0.02	0.15	0.14	< 0.005	0.01	0.01
	Dust From Material Movement	0.00	0.00	0.00	0.00	0.10	0.05
	Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005
	Total	0.02	0.15	0.14	0.00	0.12	0.06
Offsite	Worker	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005
	Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL		0.02	0.15	0.14	0.00	0.12	0.06

3.5. Grading (2026) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite	Annual						
	Off-Road Equipment	0.02	0.15	0.17	< 0.005	0.01	0.01
	Dust From Material Movement	0.00	0.00	0.00	0.00	0.07	0.03
	Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005
	Total	0.02	0.15	0.17	0.00	0.09	0.04
Offsite	Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005
	Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.01	0.01	0.00	0.00	0.00
TOTAL		0.02	0.16	0.18	0.00	0.09	0.04

3.7. Building Construction (2026) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite	Annual						
	Off-Road Equipment	0.05	0.46	0.61	< 0.005	0.02	0.02
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.05	0.46	0.61	0.00	0.02	0.02
Offsite	Worker	0.01	0.01	0.06	0.00	0.01	< 0.005
	Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.01	0.03	0.07	0.00	0.01	0.00
TOTAL		0.06	0.49	0.68	0.00	0.03	0.02

3.9. Building Construction (2027) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite	Annual						
	Off-Road Equipment	0.08	0.71	0.98	< 0.005	0.03	0.02
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.08	0.71	0.98	0.00	0.03	0.02
Offsite	Worker	0.01	0.01	0.10	0.00	0.02	0.01
	Vendor	< 0.005	0.03	0.02	< 0.005	0.01	< 0.005
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.01	0.04	0.12	0.00	0.03	0.01
TOTAL		0.09	0.75	1.10	0.00	0.06	0.03

3.11. Paving (2027) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite	Annual						
	Off-Road Equipment	0.01	0.07	0.10	< 0.005	< 0.005	< 0.005
	Paving	< 0.005	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.01	0.07	0.10	0.00	0.00	0.00
Offsite	Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005
	Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.01	0.00	0.00	0.00
TOTAL	0.01	0.07	0.11	0.00	0.00	0.00	

3.13. Architectural Coating (2027) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite	Annual						
	Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005
	Architectural Coating	0.21	0.00	0.00	0.00	0.00	0.00
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.21	0.01	0.01	0.00	0.00	0.00
Offsite	Worker	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005
	Vendor	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
	Total	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	0.21	0.01	0.01	0.00	0.00	0.00	

3.15. Installation of Interim Buildings (2026) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite	Annual						
	Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.01	0.01	0.00	0.00	0.00
Offsite	Worker	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005
	Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	0.00	0.01	0.01	0.00	0.00	0.00	

3.17. Removal of Interim Buildings (2027) - Unmitigated

		VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Onsite	Annual						
	Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005
	Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.01	0.01	0.00	0.00	0.00
Offsite	Worker	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005
	Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	0.00	0.01	0.01	0.00	0.00	0.00	

Temporary Student Relocation Mobile Emissions

	VOC	NOx	CO	SO ₂	PM10 Total	PM2.5 Total
Max Daily (lbs/day)	2.50	2.20	21.00	0.05	4.60	1.20
2026 Annual (tons/year) ¹	0.10	0.09	0.86	0.00	0.19	0.05
2027 Annual (tons/year) ¹	0.12	0.11	1.03	0.00	0.23	0.06

Notes

¹ Mobile emissions associated with the temporary relocation of students to the Park Dale Lane ES and El Camino Creek ES campuses would concurrently with construction activities occurring each construction workday during the school year. These emissions would occur for 180 days throughout the duration of construction activities (based on the days school would be in session according to the Encinitas Union School District Calendar 2026-2027), 82 days in 2026 and 98 days in 2027.

	VOC	NOx	CO	SO2	PM10 Total	PM2.5 Total	
<i>Demolition 2026</i>	0.02	0.27	0.22	0.00	0.06	0.01	
<i>Utility Trenching (Installation of Portables) 2026</i>	0.00	0.01	0.01	0.00	0.00	0.00	
<i>Demolition & Installation of Portables Overlap 2026</i>	0.02	0.28	0.23	0.00	0.06	0.01	
<i>Site Preparation 2026</i>	0.02	0.15	0.14	0.00	0.12	0.06	
<i>Grading 2026</i>	0.02	0.16	0.18	0.00	0.09	0.04	
<i>Building Construction 2026</i>	0.06	0.49	0.68	0.00	0.03	0.02	
<i>Building Construction 2027</i>	0.09	0.75	1.10	0.00	0.06	0.03	
<i>Paving 2027</i>	0.01	0.07	0.11	0.00	0.00	0.00	
<i>Architectural Coating 2027</i>	0.21	0.01	0.01	0.00	0.00	0.00	
<i>Utility Trenching (Removal of Portables) 2027</i>	0.00	0.01	0.01	0.00	0.00	0.00	
<i>Building Construction, Paving, Removal of Portables, and Architectural Coating 2027</i>	0.31	0.84	1.23	0.00	0.06	0.03	
<i>Temporary Student Relocation Mobile Emissions 2026</i>	0.10	0.09	0.86	0.00	0.19	0.05	
<i>Temporary Student Relocation Mobile Emissions 2027</i>	0.12	0.11	1.03	0.00	0.23	0.06	
	2026	0.10	0.49	0.86	0.00	0.19	0.06
	2027	0.31	0.84	1.23	0.00	0.23	0.06
	MAX ANNUAL (tons/year)	0.31	0.84	1.23	0.00	0.23	0.06
San Diego Significance Thresholds	13.7	40	100	40	15	10	
Exceeds Thresholds?	No	No	No	No	No	No	

Regional Operation Emissions Worksheet¹

¹ CalEEMod, Version 2022.1

Proposed Project - MAX Daily

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	2.50	0.03	3.70	< 0.005	0.01	< 0.005
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.50	0.03	3.70	0.00	0.01	0.00

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	1.90	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.90	0.00	0.00	0.00	0.00	0.00

Max Daily (lbs/year)

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	2.50	0.03	3.70	0.00	0.01	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.50	0.03	3.70	0.00	0.01	0.00

San Diego Thresholds

Exceeds Thresholds?	No	No	No	No	No	No
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Proposed Project - MAX Annual

Max Annual (tons/year)

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	0.40	< 0.005	0.33	< 0.005	< 0.005	< 0.005
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.40	0.00	0.33	0.00	0.00	0.00

San Diego Thresholds

Exceeds Thresholds?	No	No	No	No	No	No
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Notes

¹ The proposed project would not result in a net increase in vehicle trips during operation. Mobile emissions associated with the temporary relocation of students to the Park Dale Lane ES and El Camino Creek ES campuses are accounted for within the construction emissions calculations.

GHG Emissions Inventory

Proposed Project

<u>Construction</u>		<u>MTCO₂e</u>
	2026	271
	2027	234
		505

<u>Temporary Student Relocation Mobile</u>		
	2026 Annual (tons/year) ¹	173
	2027 Annual (tons/year) ¹	207
		380
	Total Short Term Emissions	885

Note

1 Mobile emissions associated with the temporary relocation of students to the Park Dale Lane ES and El Camino Creek ES campuses would concurrently with construction activities occurring each construction workday during the school year. These emissions would occur for 180 days throughout the duration of construction activities (based on the days school would be in session according to the Encinitas Union School District Calendar 2026-2027), 82 days in 2026 and 98 days in 2027. Maximum daily emissions from summer (highest reported) are used to calculate the maximum annual emissions.

<u>Operation</u>		<u>MTCO₂e</u>	<u>%</u>
	Area	1	9%
	Energy	12	91%
	Water	0	0%
	Solid Waste	0	0%
	Refrigerants	0	0%
	Total	13	100%