

Appendix 5.2-1 Air Quality and Greenhouse Gas Emissions Modeling Data

Appendices

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CalEEMod Inputs-La Sierra High School Track and Field Project, Construction

Name: La Sierra High School Track and Field Project, Construction
Project Number: ALV-09
Project Location: 4145 La Sierra Ave, Riverside, CA 92505
County/Air Basin: Riverside
Climate Zone: 8
Land Use Setting: Urban
Operational Year: 2026
Utility Company: Southern California Edison
Air Basin: South Coast Air Basin
Air District: South Coast AQMD
SRA: 23 - Metropolitan Riverside County

Project Site Acreage 48.00 (Entire School Campus)
Disturbed Site Acreage 10.58

<i>Demolition</i>	<i>SQFT</i>	<i>Amount of Debris</i>
Asphalt Demolition (Tons)	55,000	815
<i>Project Components</i>	<i>SQFT</i>	<i>Acres</i>
<i>Field House Area</i>	<i>28,314</i>	<i>0.65</i>
Field House	5,500	(Included Above)
Hardscape	21,452	(Included Above)
Landscaping	1,362	(Included Above)
<i>Parking Area</i>	<i>169,884</i>	<i>3.90</i>
Parking Lot	168,038	(Included Above)
Landscaping	1,846	(Included Above)
<i>Tennis Courts</i>	<i>59,677</i>	<i>1.37</i>
Tennis Courts	59,677	(Included Above)
<i>Track and Field</i>	<i>202,897</i>	<i>4.66</i>
All Rubber Track	87,000	(Included Above)
Landscaping	12,896	(Included Above)
Synthetic Turf	103,001	(Included Above)
TOTALS	460,773	10.58

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet	Landscaped Area	Special Landscaped Area
Educational	High School	5.50	1000 sqft	6.19	5,500	14,259	249,678
Parking	Other Non-Asphalt Surfaces	21.45	1000 sqft	0.49	21,452	0	0
Parking	Parking Lot	335	Space	3.90	168,038	1,846	0

Demolition

Component	Amount to be Demolished (tons) ¹	Haul Truck Capacity	Haul Distance		Duration (days)	Trip Ends Per Day
			(miles)	Total Trip Ends		
Asphalt	815	20	20	82	20	5
Existing Scoreboard	40	20	20	4	20	1
Total	855			86		6

Notes:

¹ Derived from Applicant-provided data.

Architectural Coating

	Percent Painted
Interior Painted:	100%
Exterior Painted:	100%

Rule 1113

Interior Paint VOC Content:	50	grams per liter
Exterior Paint VOC Content:	50	grams per liter
Parking Paint VOC Content:	100	grams per liter

Structures	Land Use Square Feet	CalEEMod Factor ²	Total Paintable Surface Area	Paintable Interior Area ¹	Paintable Exterior Area ¹
Non-Residential Structures					
High School	5,500	2.0	11,000	8,250	2,750
			11,000	8,250	2,750
Parking					
Parking Lot	168,038	6%	10,082	-	10,082
Other Non-Asphalt Surfaces	21,452	6%	1,287	-	1,287
High School	249,678	6%	14,981	-	14,981
			26,350		26,350

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 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user.

³ Assumes that all parking and non-parking asphalt will be striped. CalEEMod methodology assumes 6% of surface area is striped.

Construction Mitigation

SCAQMD Rule 403

Replace Ground Cover	PM10:	5	% Reduction
	PM25:	5	% Reduction

Water Exposed Area	Frequency:	2	per day
	PM10:	61	% Reduction
	PM25:	61	% Reduction

Unpaved Roads	Vehicle Speed:	25	mph
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SCAQMD Rule 1186

Clean Paved Road		9	% PM Reduction
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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	55,000	0.333	18,333	89	1,629,630	814.81
Total	55,000					815

¹ Based on aerial image of existing project site.

² Pavements and Surface Materials. Nonpoint Education for Municipal Officials, Technical Paper Number 8. University of Connecticut Cooperative Extension System, 1999.

³ CalRecycle, 2019. Calculations, Solid Waste Cleanup Program Weights and Volumes for Project Estimates. <https://www.delmar.ca.us/DocumentCenter/View/5668/CalRecycle-Conversion-Table>

Construction Activities and Schedule Assumptions

* based on schedule provided by District

Proposed Construction Schedule				
Construction Activities	Phase Type	Start Date	End Date	CalEEMod Duration (Workday)
Asphalt Demolition	Demolition	6/15/2025	7/13/2025	20
Site Preparation	Site Preparation	7/14/2025	7/28/2025	11
Grading	Grading	7/29/2025	9/16/2025	36
Utilities Trenching	Trenching	9/17/2025	9/23/2025	5
Building Construction	Building Construction	9/17/2025	5/26/2026	180
Paving	Paving	10/25/2025	11/23/2025	20
Architectural Coating	Architectural Coating	11/24/2025	11/30/2025	5
Field Installation	Trenching	4/1/2026	5/26/2026	40
Track Surfacing	Trenching	5/26/2026	6/15/2026	15
Finishing/Landscaping	Trenching	6/9/2026	6/15/2026	5
			Total Days	365

Overlapping Construction Schedule

Construction Activities	Start Date	End Date	CalEEMod Duration (Workday)
Asphalt Demolition	6/15/2025	7/13/2025	20
Site Preparation	7/14/2025	7/28/2025	11
Grading	7/29/2025	9/16/2025	36
Utilities Trenching, Building Construction	9/17/2025	9/23/2025	5
Building Construction	9/24/2025	10/24/2025	23
Building Construction, Paving	10/25/2025	11/23/2025	20
Building Construction, Architectural Coating	11/24/2025	11/30/2025	5
Building Construction	12/1/2025	3/31/2026	87
Building Construction, Field Installation	4/1/2026	5/25/2026	39
Building Construction, Field Installation, Track Surfacing	5/26/2026	5/26/2026	1
Track Surfacing	5/27/2026	6/8/2026	9
Track Surfacing, Finishing/Landscaping	6/9/2026	6/15/2026	5

CalEEMod Construction Off-Road Equipment Inputs

Source: CalEEMod defaults (except where noted).

Construction Equipment Details					
Equipment	# of Equipment	hr/day	hp	load factor*	total trips per day
Demolition					
Concrete/Industrial Saws	1	8	33	0.73	
Excavators	3	8	36	0.38	
Rubber Tired Dozers	2	8	367	0.4	
Worker Trips					15
Vendor Trips					2
Total Vendor Trips (Vendor + Water Truck)					8
Hauling Trips					6
Water Trucks			Acres Disturbed:	1.0	6
			Onsite Travel (mi/day)	0.83	
Site Preperation					
Rubber Tired Dozers	3	8	367	0.4	
Tractors/Loaders/Backhoes	4	8	84	0.37	
Worker Trips					18
Vendor Trips					1
Total Vendor Trips (Vendor + Water Truck)					19
Hauling Trips					0
Water Trucks			Acres Disturbed:	3.5	18
			Onsite Travel (mi/day)	2.89	

Grading					
Excavators	2	8	36	0.38	
Graders	1	8	148	0.41	
Rubber Tired Dozers	1	8	367	0.4	
Scrapers	2	8	423	0.48	
Tractors/Loaders/Backhoes	2	8	84	0.37	
Worker Trips					20
Vendor Trips					3
Total Vendor Trips (Vendor + Water Truck)					23
Hauling Trips					0
Water Trucks	Acres Disturbed:		4.0		20
	Onsite Travel (mi/day)		3.30		

Utilities Trenching (Assumed Equipment)					
Excavator	1	8	36	0.38	
Trencher	1	8	40	0.5	
Utility Cable Reel Trailer ¹	1	8	14	0.74	
Worker Trips					8
Vendor Trips					1
Hauling Trips					0

Notes:

¹ Using Generator Set as proxy

Building Construction					
Cranes	1	7	367	0.29	
Forklifts	3	8	82	0.2	
Generator Sets	1	8	14	0.74	
Tractors/Loaders/Backhoes	3	7	84	0.37	
Welders	1	8	46	0.45	
Worker Trips					23
Vendor Trips					1
Hauling Trips					0

Paving					
Pavers	2	8	81	0.42	
Paving Equipment	2	8	89	0.36	
Rollers	2	8	36	0.38	
Worker Trips					15
Vendor Trips					2
Hauling Trips					0
Architectural Coating					
Air Compressors	1	6	37	0.48	
Worker Trips					5
Vendor Trips					0
Hauling Trips					0
Track Surfacing (Assumed Equipment)					
Tractors/Loaders/Backhoes	1	8	84	0.37	
Rollers	1	8	36	0.38	
Worker Trips					5
Vendor Trips					2
Total Vendor Trips (Vendor + Water Truck)					6
Hauling Trips					0
Water Trucks				Acres Disturbed:	0.5
				Onsite Travel (mi/day)	0.41

Field Installation (Assumed Equipment)					
Tractors/Loaders/Backhoes	1	8	84	0.37	
Scrapers	1	8	423	0.48	
Worker Trips					5
Vendor Trips					2
Total Vendor Trips (Vendor + Water Truck)					10
Hauling Trips					0
Water Trucks	Acres Disturbed:		1.5		8
	Onsite Travel (mi/day)		1.24		

Finishing and Landscaping (Assumed Equipment)					
Sprayer ¹	1	8	14	0.3	
Spreader ²	1	8	89	0.36	
Worker Trips					5
Vendor Trips					1
Hauling Trips					0

Notes:

¹ Using pressure washer as proxy

² Using paving equipment as proxy

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. 2022, 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.

Phase Name	Worker Trip Ends	Vendor Trip Ends	Haul Truck Trip	Total Trip Ends	Start Date	End Date	Workdays
	Per Day	Per Day	Ends Per Day	Per Day			
Asphalt Demolition	15	8	6	29	6/15/2025	7/13/2025	20
Site Preparation	18	19	0	37	7/14/2025	7/28/2025	11
Grading	20	23	0	43	7/29/2025	9/16/2025	36
Utilities Trenching	8	1	0	9	9/17/2025	9/23/2025	5
Building Construction	23	1	0	24	9/17/2025	5/26/2026	180
Paving	15	2	0	17	10/25/2025	11/23/2025	20
Architectural Coating	5	0	0	5	11/24/2025	11/30/2025	5
Field Installation	5	10	0	15	4/1/2026	5/26/2026	40
Track Surfacing	5	6	0	11	5/26/2026	6/15/2026	15
Finishing/Landscaping	5	1	0	6	6/9/2026	6/15/2026	5

Construction Activity (Overlapping)	Worker Trip Ends	Vendor Trip Ends	Haul Truck Trip	Total Trip Ends	Start Date	End Date	Workdays
	Per Day	Per Day	Ends Per Day	Per Day			
Asphalt Demolition	15	8	6	29	6/15/2025	7/13/2025	20
Site Preparation	18	19	0	37	7/14/2025	7/28/2025	11
Grading	20	23	0	43	7/29/2025	9/16/2025	36
Utilities Trenching, Building Construction	31	2	0	33	9/17/2025	9/23/2025	5
Building Construction	8	1	0	9	9/24/2025	10/24/2025	23
Building Construction, Paving	38	3	0	41	10/25/2025	11/23/2025	20
Building Construction, Architectural Coating	28	1	0	29	11/24/2025	11/30/2025	5
Building Construction	23	1	0	24	12/1/2025	3/31/2026	87
Building Construction, Field Installation	28	11	0	39	4/1/2026	5/25/2026	39
Building Construction, Field Installation, Track Surfacing	33	17	0	50	5/26/2026	5/26/2026	1
Track Surfacing	5	6	0	11	5/27/2026	6/8/2026	9
Track Surfacing, Finishing/Landscaping	10	7	0	17	6/9/2026	6/15/2026	5
	38	23	6	50			

La Sierra High School Track and Field Project Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	La Sierra High School Track and Field Project
Construction Start Date	6/15/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	19.2
Location	33.9110183725014, -117.47727272760632
County	Riverside-South Coast
City	Riverside
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5458
EDFZ	11
Electric Utility	City of Riverside
Gas Utility	Southern California Gas
App Version	2022.1.1.22

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
Junior High School	5.50	1000sqft	6.19	5,500	14,259	249,678	—	—

Parking Lot	335	Space	3.90	0.00	168,038	1,846	—	—
Other Non-Asphalt Surfaces	21.4	1000sqft	0.49	0.00	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.	4.06	3.40	32.4	31.8	0.07	1.37	12.3	13.7	1.27	4.46	5.73	—	7,597	7,597	0.30	0.17	3.06	7,659
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.48	30.9	18.2	25.3	0.04	0.78	0.52	1.30	0.72	0.12	0.84	—	4,493	4,493	0.18	0.06	0.06	4,517
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.04	1.30	7.93	8.71	0.02	0.33	1.41	1.74	0.30	0.37	0.67	—	1,841	1,841	0.07	0.04	0.36	1,854
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.19	0.24	1.45	1.59	< 0.005	0.06	0.26	0.32	0.05	0.07	0.12	—	305	305	0.01	0.01	0.06	307

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	4.06	3.40	32.4	31.8	0.07	1.37	12.3	13.7	1.27	4.46	5.73	—	7,597	7,597	0.30	0.17	3.06	7,659
2026	2.69	2.26	19.7	25.8	0.05	0.74	3.01	3.74	0.68	0.38	1.06	—	5,989	5,989	0.23	0.14	2.95	6,038
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.48	30.9	18.2	25.3	0.04	0.78	0.52	1.30	0.72	0.12	0.84	—	4,493	4,493	0.18	0.06	0.06	4,517
2026	1.38	1.16	9.99	14.2	0.02	0.38	0.31	0.69	0.35	0.07	0.42	—	2,719	2,719	0.10	0.04	0.03	2,732
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.04	1.30	7.93	8.71	0.02	0.33	1.41	1.74	0.30	0.37	0.67	—	1,841	1,841	0.07	0.04	0.36	1,854
2026	0.52	0.44	3.80	5.11	0.01	0.14	0.32	0.47	0.13	0.05	0.18	—	1,092	1,092	0.04	0.02	0.21	1,099
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.19	0.24	1.45	1.59	< 0.005	0.06	0.26	0.32	0.05	0.07	0.12	—	305	305	0.01	0.01	0.06	307
2026	0.09	0.08	0.69	0.93	< 0.005	0.03	0.06	0.08	0.02	0.01	0.03	—	181	181	0.01	< 0.005	0.03	182

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

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Demolition	—	—	—	—	—	—	0.59	0.59	—	0.09	0.09	—	—	—	—	—	—	
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.22	1.22	< 0.005	0.12	0.12	—	4.37	4.37	< 0.005	< 0.005	0.01	4.60
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.09	< 0.005	0.05	—	0.05	0.05	—	0.05	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.25
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 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	0.08	0.07	0.07	1.16	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	211	211	0.01	0.01	0.78	215
Vendor	0.01	0.01	0.27	0.08	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	245	245	0.01	0.04	0.69	257
Hauling	0.02	0.01	0.46	0.11	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	413	413	0.01	0.07	0.88	434
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	10.8	10.8	< 0.005	< 0.005	0.02	10.9
Vendor	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	0.02	14.0
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.7	22.7	< 0.005	< 0.005	0.02	23.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.79	1.79	< 0.005	< 0.005	< 0.005	1.81
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.22	2.22	< 0.005	< 0.005	< 0.005	2.33
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.75	3.75	< 0.005	< 0.005	< 0.005	3.93

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	4.25	4.25	< 0.005	0.42	0.42	—	11.3	11.3	< 0.005	< 0.005	0.02	11.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.95	0.91	< 0.005	0.04	—	0.04	0.04	—	0.04	—	160	160	0.01	< 0.005	—	160

Dust From Material Movement:	—	—	—	—	—	—	0.23	0.23	—	0.12	0.12	—	—	—	—	—	—	
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	—	0.34	0.34	< 0.005	< 0.005	< 0.005	0.36
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.02	0.02	0.17	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.4	26.4	< 0.005	< 0.005	—	26.5
Dust From Material Movement:	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.10	0.08	0.08	1.39	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	254	254	0.01	0.01	0.93	258
Vendor	0.03	0.01	0.64	0.20	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	581	581	0.01	0.09	1.65	610
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	—	7.12	7.12	< 0.005	< 0.005	0.01	7.22
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	17.5	17.5	< 0.005	< 0.005	0.02	18.3
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	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.20
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.90	2.90	< 0.005	< 0.005	< 0.005	3.04

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	0.00
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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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	4.86	4.86	< 0.005	0.48	0.49	—	12.7	12.7	< 0.005	< 0.005	0.02	13.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.32	2.93	2.79	0.01	0.12	—	0.12	0.11	—	0.11	—	651	651	0.03	0.01	—	653
Dust From Material Movement	—	—	—	—	—	—	0.35	0.35	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.45	0.45	< 0.005	0.05	0.05	—	1.25	1.25	< 0.005	< 0.005	< 0.005	1.31
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.53	0.51	< 0.005	0.02	—	0.02	0.02	—	0.02	—	108	108	< 0.005	< 0.005	—	108

Appendix 5.2-1

Dust From Material Movement:	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.09	1.54	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	282	282	0.01	0.01	1.04	286
Vendor	0.03	0.02	0.77	0.24	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	704	704	0.02	0.11	2.00	738
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	0.01	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.9	25.9	< 0.005	< 0.005	0.04	26.2
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	69.4	69.4	< 0.005	0.01	0.09	72.7
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	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.29	4.29	< 0.005	< 0.005	0.01	4.35
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.5	11.5	< 0.005	< 0.005	0.01	12.0
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 (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	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
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	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
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	0.28	0.23	2.17	2.70	< 0.005	0.09	—	0.09	0.08	—	0.08	—	497	497	0.02	< 0.005	—	499
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	0.40	0.49	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.3	82.3	< 0.005	< 0.005	—	82.6
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	0.12	0.10	0.10	1.78	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	324	324	0.01	0.01	1.19	329
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.6	30.6	< 0.005	< 0.005	0.09	32.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.11	1.34	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	298	298	0.01	0.01	0.03	302
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.6	30.6	< 0.005	< 0.005	< 0.005	32.0
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.29	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	62.6	62.6	< 0.005	< 0.005	0.11	63.5
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.35	6.35	< 0.005	< 0.005	0.01	6.65
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	—	10.4	10.4	< 0.005	< 0.005	0.02	10.5
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.05	1.05	< 0.005	< 0.005	< 0.005	1.10
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	1.28	1.07	9.85	13.0	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	1.28	1.07	9.85	13.0	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	0.37	0.31	2.82	3.70	0.01	0.11	—	0.11	0.10	—	0.10	—	685	685	0.03	0.01	—	687
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	0.07	0.06	0.51	0.68	< 0.005	0.02	—	0.02	0.02	—	0.02	—	113	113	< 0.005	< 0.005	—	114
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	0.11	0.10	0.09	1.65	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	317	317	0.01	0.01	1.07	322
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.1	30.1	< 0.005	< 0.005	0.08	31.6
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	0.10	0.09	0.10	1.25	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	292	292	< 0.005	0.01	0.03	295
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.1	30.1	< 0.005	< 0.005	< 0.005	31.5
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.37	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	84.4	84.4	< 0.005	< 0.005	0.13	85.5
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.60	8.60	< 0.005	< 0.005	0.01	9.01

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	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.0	14.0	< 0.005	< 0.005	0.02	14.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.42	1.42	< 0.005	< 0.005	< 0.005	1.49
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 (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	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.04	0.41	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8

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Paving	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	194	194	0.01	0.01	0.02	197
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.2	61.2	< 0.005	0.01	< 0.005	64.0
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
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	—	10.8	10.8	< 0.005	< 0.005	0.02	10.9
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.35	3.35	< 0.005	< 0.005	< 0.005	3.51
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	—	1.79	1.79	< 0.005	< 0.005	< 0.005	1.81
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.58
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 (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	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	29.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.83	1.83	< 0.005	< 0.005	—	1.84
Architectural Coatings	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.30	0.30	< 0.005	< 0.005	—	0.30
Architectural Coatings	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.29	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	64.8	64.8	< 0.005	< 0.005	90.1	65.6

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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	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	0.00
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	—	0.90	0.90	< 0.005	< 0.005	< 0.005	0.91	
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	—	0.15	0.15	< 0.005	< 0.005	< 0.005	0.15	
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. Track Surfacing (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	0.28	0.23	1.91	2.90	< 0.005	0.07	—	0.07	0.07	—	0.07	—	432	432	0.02	< 0.005	—	433
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	—	2.91	2.91	< 0.005	< 0.005	< 0.005	3.06
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.13
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.94	2.94	< 0.005	< 0.005	—	2.95
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.02	0.02	< 0.005	< 0.005	< 0.005	0.02
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.36	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	69.0	69.0	< 0.005	< 0.005	0.23	70.0
Vendor	0.01	< 0.005	0.19	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	181	181	< 0.005	0.03	0.49	190
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	—	2.64	2.64	< 0.005	< 0.005	< 0.005	2.67
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.42	7.42	< 0.005	< 0.005	0.01	7.78
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	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.44
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.23	1.23	< 0.005	< 0.005	< 0.005	1.29
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. Utilities Trenching (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	0.46	0.39	2.91	2.99	< 0.005	0.12	—	0.12	0.11	—	0.11	—	453	453	0.02	< 0.005	—	454
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	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.20	6.20	< 0.005	< 0.005	—	6.23
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	—	1.03	1.03	< 0.005	< 0.005	—	1.03
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	0.04	0.04	0.04	0.62	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	113	113	< 0.005	< 0.005	0.41	114
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.6	30.6	< 0.005	< 0.005	0.09	32.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	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	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.46
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.42	0.42	< 0.005	< 0.005	< 0.005	0.44
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	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.24
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.07
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

3.19. Field Installation (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	0.96	0.80	7.27	7.42	0.02	0.28	—	0.28	0.26	—	0.26	—	2,184	2,184	0.09	0.02	—	2,192
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.83	1.83	< 0.005	0.18	0.18	—	5.66	5.66	< 0.005	< 0.005	0.01	5.95
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	0.81	< 0.005	0.03	—	0.03	0.03	—	0.03	—	239	239	0.01	< 0.005	—	240
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.19	0.19	< 0.005	0.02	0.02	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.65
Annual	—	Appendix 5.2-1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Page 32	—

Off-Road Equipment	0.02	0.02	0.15	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	39.6	39.6	< 0.005	< 0.005	—	39.8
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.11
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.36	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	69.0	69.0	< 0.005	< 0.005	0.23	70.0
Vendor	0.01	0.01	0.32	0.10	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	301	301	0.01	0.05	0.82	316
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	—	7.04	7.04	< 0.005	< 0.005	0.01	7.13
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	33.0	33.0	< 0.005	0.01	0.04	34.6
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	—	1.17	1.17	< 0.005	< 0.005	< 0.005	1.18
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.46	5.46	< 0.005	< 0.005	0.01	5.72
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

3.21. Finishing/Landscaping (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	0.17	0.15	1.49	2.16	< 0.005	0.06	—	0.06	0.05	—	0.05	—	341	341	0.01	< 0.005	—	342
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	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.67	4.67	< 0.005	< 0.005	—	4.69
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	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.77	0.77	< 0.005	< 0.005	—	0.78
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.36	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	69.0	69.0	< 0.005	< 0.005	0.23	70.0
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.1	30.1	< 0.005	< 0.005	0.08	31.6
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	—	0.88	0.88	< 0.005	< 0.005	< 0.005	0.89
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.41	0.41	< 0.005	< 0.005	< 0.005	0.43
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	—	0.15	0.15	< 0.005	< 0.005	< 0.005	0.15
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.07
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

4.10. 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	6/15/2025	7/13/2025	5.00	20.0	—
Site Preparation	Site Preparation	7/14/2025	7/28/2025	5.00	11.0	—
Grading	Grading	7/29/2025	9/16/2025	5.00	36.0	—
Building Construction	Building Construction	9/17/2025	5/26/2026	5.00	180	—

Paving	Paving	10/25/2025	11/21/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	11/24/2025	11/28/2025	5.00	5.00	—
Track Surfacing	Trenching	5/2/2026	5/22/2026	5.00	15.0	—
Utilities Trenching	Trenching	9/17/2025	9/23/2025	5.00	5.00	—
Field Installation	Trenching	4/1/2026	5/26/2026	5.00	40.0	—
Finishing/Landscaping	Trenching	6/9/2026	6/15/2026	5.00	5.00	—

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/Backhoes	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/Backhoes	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/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37

Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
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
Track Surfacing	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Track Surfacing	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Utilities Trenching	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Utilities Trenching	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Utilities Trenching	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Field Installation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Field Installation	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Finishing/Landscaping	Pressure Washers	Diesel	Average	1.00	8.00	14.0	0.30
Finishing/Landscaping	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36

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	8.00	10.2	HHDT,MHDT
Demolition	Hauling	6.00	20.0	HHDT
Demolition	Onsite truck	1.00	0.83	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	18.5	LDA,LDT1,LDT2

Appendix 5.2-1

Site Preparation	Vendor	19.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	1.00	2.89	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	23.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	1.00	3.30	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	23.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	1.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	2.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	5.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT
Track Surfacing	—	—	—	—
Track Surfacing	Worker	5.00	18.5	LDA,LDT1,LDT2
Track Surfacing	Vendor	6.00	10.2	HHDT,MHDT
Track Surfacing	Hauling	0.00	20.0	HHDT

Track Surfacing	Onsite truck	1.00	0.41	HHDT
Utilities Trenching	—	—	—	—
Utilities Trenching	Worker	8.00	18.5	LDA,LDT1,LDT2
Utilities Trenching	Vendor	1.00	10.2	HHDT,MHDT
Utilities Trenching	Hauling	0.00	20.0	HHDT
Utilities Trenching	Onsite truck	0.00	0.00	HHDT
Field Installation	—	—	—	—
Field Installation	Worker	5.00	18.5	LDA,LDT1,LDT2
Field Installation	Vendor	10.0	10.2	HHDT,MHDT
Field Installation	Hauling	0.00	20.0	HHDT
Field Installation	Onsite truck	1.00	1.24	HHDT
Finishing/Landscaping	—	—	—	—
Finishing/Landscaping	Worker	5.00	18.5	LDA,LDT1,LDT2
Finishing/Landscaping	Vendor	1.00	10.2	HHDT,MHDT
Finishing/Landscaping	Hauling	0.00	20.0	HHDT
Finishing/Landscaping	Onsite truck	0.00	0.00	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	8,250	2,750	26,350

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Ton of Debris)	Material Exported (Ton of Debris)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	855	—
Site Preparation	0.00	0.00	16.5	0.00	—
Grading	0.00	0.00	108	0.00	—
Paving	0.00	0.00	0.00	0.00	4.39

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Junior High School	0.00	0%
Parking Lot	3.90	100%
Other Non-Asphalt Surfaces	0.49	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	873	0.03	< 0.005
2026	0.00	873	0.03	< 0.005

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	25.1	annual days of extreme heat
Extreme Precipitation	2.00	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	3.16	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A

Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	91.1
AQ-PM	92.7
AQ-DPM	46.3
Drinking Water	77.4
Lead Risk Housing	61.8
Pesticides	0.00
Toxic Releases	68.6
Traffic	64.3
Effect Indicators	—
CleanUp Sites	53.4

Groundwater	0.00
Haz Waste Facilities/Generators	77.2
Impaired Water Bodies	0.00
Solid Waste	0.00
Sensitive Population	—
Asthma	61.4
Cardio-vascular	81.8
Low Birth Weights	20.7
Socioeconomic Factor Indicators	—
Education	75.9
Housing	67.7
Linguistic	57.4
Poverty	60.8
Unemployment	48.3

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	37.21288336
Employed	39.30450404
Median HI	33.02964199
Education	—
Bachelor's or higher	19.41485949
High school enrollment	100
Preschool enrollment	13.02450917
Transportation	—

Auto Access	28.94905685
Active commuting	41.52444501
Social	—
2-parent households	47.20903375
Voting	12.12626716
Neighborhood	—
Alcohol availability	20.19761324
Park access	35.17259079
Retail density	90.64545105
Supermarket access	94.25125112
Tree canopy	11.29218529
Housing	—
Homeownership	29.34684974
Housing habitability	24.72731939
Low-inc homeowner severe housing cost burden	17.74669575
Low-inc renter severe housing cost burden	34.9544463
Uncrowded housing	26.63929167
Health Outcomes	—
Insured adults	43.44924933
Arthritis	32.0
Asthma ER Admissions	44.8
High Blood Pressure	29.0
Cancer (excluding skin)	52.2
Asthma	23.6
Coronary Heart Disease	34.0
Chronic Obstructive Pulmonary Disease	22.0
Diagnosed Diabetes	34.4

Life Expectancy at Birth	21.0
Cognitively Disabled	56.3
Physically Disabled	46.5
Heart Attack ER Admissions	28.4
Mental Health Not Good	25.4
Chronic Kidney Disease	27.1
Obesity	17.5
Pedestrian Injuries	19.6
Physical Health Not Good	26.5
Stroke	29.9
Health Risk Behaviors	—
Binge Drinking	55.6
Current Smoker	23.5
No Leisure Time for Physical Activity	22.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	9.5
Elderly	63.3
English Speaking	35.4
Foreign-born	57.9
Outdoor Workers	12.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	49.1
Traffic Density	43.5
Traffic Access	62.9
Other Indices	—

Hardship	69.8
Other Decision Support	—
2016 Voting	32.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	71.0
Healthy Places Index Score for Project Location (b)	26.0
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
Construction: Construction Phases	District provided schedule.
Land Use	Project description
Construction: Dust From Material Movement	—
Construction: Open Road Negative Dust	.

Construction: Architectural Coatings	District provided information
Operations: Architectural Coatings	Applicant provided information
Construction: Off-Road Equipment	Equipment list
Construction: Trips and VMT	Based on CalEEMod defaults, site disturbance estimates, and equipment list.

La Sierra High School Track and Field Project - On-site Construction Custom Report

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5.3.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	La Sierra High School Track and Field Project - On-site Construction
Construction Start Date	6/15/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	19.2
Location	33.9110183725014, -117.47727272760632
County	Riverside-South Coast
City	Riverside
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5458
EDFZ	11
Electric Utility	City of Riverside
Gas Utility	Southern California Gas
App Version	2022.1.1.22

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
Junior High School	5.50	1000sqft	6.19	5,500	14,259	249,678	—	—

Parking Lot	335	Space	3.90	0.00	168,038	1,846	—	—
Other Non-Asphalt Surfaces	21.4	1000sqft	0.49	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

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	3.94	3.31	31.7	30.2	0.06	1.37	8.74	10.1	1.26	4.05	5.30	—	6,612	6,612	0.27	0.06	0.02	6,635
2026	2.51	2.11	19.1	23.3	0.05	0.73	0.61	1.34	0.67	0.06	0.73	—	5,022	5,022	0.20	0.04	0.01	5,040
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.30	30.8	17.9	23.0	0.04	0.78	0.00	0.78	0.72	0.00	0.72	—	3,909	3,909	0.16	0.03	0.00	3,923
2026	1.28	1.07	9.85	13.0	0.02	0.38	0.00	0.38	0.35	0.00	0.35	—	2,397	2,397	0.10	0.02	0.00	2,405
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.99	1.26	7.73	8.10	0.01	0.32	0.78	1.10	0.30	0.28	0.58	—	1,588	1,588	0.06	0.01	< 0.005	1,594
2026	0.48	0.41	3.71	4.67	0.01	0.14	0.05	0.20	0.13	0.01	0.14	—	947	947	0.04	0.01	< 0.005	951
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.18	0.23	1.41	1.48	< 0.005	0.06	0.14	0.20	0.05	0.05	0.11	—	263	263	0.01	< 0.005	< 0.005	264
2026	0.09	0.07	0.68	0.85	< 0.005	0.03	0.01	0.04	0.02	< 0.005	0.02	—	157	157	0.01	< 0.005	< 0.005	157

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	—	—	—	—	—	—	0.59	0.59	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	—	4.37	4.37	< 0.005	< 0.005	0.01	4.60
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.09	< 0.005	0.05	—	0.05	0.05	—	0.05	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.25
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.3. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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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:	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.07	1.07	< 0.005	0.11	0.11	—	11.3	11.3	< 0.005	< 0.005	0.02	11.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.95	0.91	< 0.005	0.04	—	0.04	0.04	—	0.04	—	160	160	0.01	< 0.005	—	160
Dust From Material Movement:	—	—	—	—	—	—	0.23	0.23	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.34	0.34	< 0.005	< 0.005	< 0.005	0.36
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.4	26.4	< 0.005	< 0.005	—	26.5
Dust From Material Movement:	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.22	1.22	< 0.005	0.12	0.12	—	12.7	12.7	< 0.005	< 0.005	0.02	13.3

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.32	2.93	2.79	0.01	0.12	—	0.12	0.11	—	0.11	—	651	651	0.03	0.01	—	653
Dust From Material Movement	—	—	—	—	—	—	0.35	0.35	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	—	1.25	1.25	< 0.005	< 0.005	< 0.005	1.31
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.53	0.51	< 0.005	0.02	—	0.02	0.02	—	0.02	—	108	108	< 0.005	< 0.005	—	108
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
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	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
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	0.28	0.23	2.17	2.70	< 0.005	0.09	—	0.09	0.08	—	0.08	—	497	497	0.02	< 0.005	—	499

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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.40	0.49	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.3	82.3	< 0.005	< 0.005	—	82.6	
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	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	1.28	1.07	9.85	13.0	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	1.28	1.07	9.85	13.0	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	0.37	0.31	2.82	3.70	0.01	0.11	—	0.11	0.10	—	0.10	—	685	685	0.03	0.01	—	687
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	0.07	0.06	0.51	0.68	< 0.005	0.02	—	0.02	0.02	—	0.02	—	113	113	< 0.005	< 0.005	—	114
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.11. Paving (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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.04	0.41	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0.00

3.13. Architectural Coating (2025) - Unmitigated

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

Location	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	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architect ural Coatings	—	29.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.83	1.83	< 0.005	< 0.005	—	1.84
Architect ural Coatings	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Appendix 5.2-1

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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.30	0.30	< 0.005	< 0.005	—	0.30	
Architectural Coatings	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0.00

3.15. Track Surfacing (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	0.28	0.23	1.91	2.90	< 0.005	0.07	—	0.07	0.07	—	0.07	—	432	432	0.02	< 0.005	—	433
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.15	0.15	< 0.005	0.02	0.02	—	2.91	2.91	< 0.005	< 0.005	< 0.005	3.06
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.13
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.94	2.94	< 0.005	< 0.005	—	2.95
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.02	0.02	< 0.005	< 0.005	< 0.005	0.02
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.17. Utilities Trenching (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	0.46	0.39	2.91	2.99	< 0.005	0.12	—	0.12	0.11	—	0.11	—	453	453	0.02	< 0.005	—	454
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	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.20	6.20	< 0.005	< 0.005	—	6.23

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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.03	1.03	< 0.005	< 0.005	—	1.03	1.03
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0.00

3.19. Field Installation (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	0.96	0.80	7.27	7.42	0.02	0.28	—	0.28	0.26	—	0.26	—	2,184	2,184	0.09	0.02	—	2,192
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.46	0.46	< 0.005	0.05	0.05	—	5.66	5.66	< 0.005	< 0.005	0.01	5.95
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	0.81	< 0.005	0.03	—	0.03	0.03	—	0.03	—	239	239	0.01	< 0.005	—	240
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	< 0.005	< 0.005	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.65
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	39.6	39.6	< 0.005	< 0.005	—	39.8
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.11
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.21. Finishing/Landscaping (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	0.17	0.15	1.49	2.16	< 0.005	0.06	—	0.06	0.05	—	0.05	—	341	341	0.01	< 0.005	—	342
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	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.67	4.67	< 0.005	< 0.005	—	4.69
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	—	Appendix 5.2-1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Page 71	—

Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.77	0.77	< 0.005	< 0.005	—	0.78
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

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	6/15/2025	7/13/2025	5.00	20.0	—

Site Preparation	Site Preparation	7/14/2025	7/28/2025	5.00	11.0	—
Grading	Grading	7/29/2025	9/16/2025	5.00	36.0	—
Building Construction	Building Construction	9/17/2025	5/26/2026	5.00	180	—
Paving	Paving	10/25/2025	11/21/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	11/24/2025	11/28/2025	5.00	5.00	—
Track Surfacing	Trenching	5/2/2026	5/22/2026	5.00	15.0	—
Utilities Trenching	Trenching	9/17/2025	9/23/2025	5.00	5.00	—
Field Installation	Trenching	4/1/2026	5/26/2026	5.00	40.0	—
Finishing/Landscaping	Trenching	6/9/2026	6/15/2026	5.00	5.00	—

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/Backhoes	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/Backhoes	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/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
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
Track Surfacing	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Track Surfacing	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Utilities Trenching	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Utilities Trenching	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Utilities Trenching	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Field Installation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Field Installation	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Finishing/Landscaping	Pressure Washers	Diesel	Average	1.00	8.00	14.0	0.30
Finishing/Landscaping	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36

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	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT

Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	1.00	0.83	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	1.00	2.89	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	0.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	1.00	3.30	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT

Track Surfacing	—	—	—	—
Track Surfacing	Worker	0.00	18.5	LDA,LDT1,LDT2
Track Surfacing	Vendor	0.00	10.2	HHDT,MHDT
Track Surfacing	Hauling	0.00	20.0	HHDT
Track Surfacing	Onsite truck	1.00	0.41	HHDT
Utilities Trenching	—	—	—	—
Utilities Trenching	Worker	0.00	18.5	LDA,LDT1,LDT2
Utilities Trenching	Vendor	0.00	10.2	HHDT,MHDT
Utilities Trenching	Hauling	0.00	20.0	HHDT
Utilities Trenching	Onsite truck	0.00	0.00	HHDT
Field Installation	—	—	—	—
Field Installation	Worker	0.00	18.5	LDA,LDT1,LDT2
Field Installation	Vendor	0.00	10.2	HHDT,MHDT
Field Installation	Hauling	0.00	20.0	HHDT
Field Installation	Onsite truck	1.00	1.24	HHDT
Finishing/Landscaping	—	—	—	—
Finishing/Landscaping	Worker	0.00	18.5	LDA,LDT1,LDT2
Finishing/Landscaping	Vendor	0.00	10.2	HHDT,MHDT
Finishing/Landscaping	Hauling	0.00	20.0	HHDT
Finishing/Landscaping	Onsite truck	0.00	0.00	HHDT

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	District provided schedule.
Land Use	Project description
Construction: Dust From Material Movement	—
Construction: On-Road Fugitive Dust	.

Construction: Architectural Coatings	District provided information
Operations: Architectural Coatings	Applicant provided information
Construction: Off-Road Equipment	Equipment list
Construction: Trips and VMT	Based on CalEEMod defaults, site disturbance estimates, and equipment list.

Construction-Related Fuel/Energy Usage

CONSTRUCTION WORKER COMMUTE

Year	Gas		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
2025	46,498	1,783	71	2	1,065	385
2026	37,461	1,405	55	2	980	355
Total	83,958	3,188	126	4	2,044	740

CONSTRUCTION VENDOR TRIPS

Year	Gas		Diesel	
	VMT	Gallons	VMT	Gallons
2025	422	80	10,111	1,385
2026	209	39	5,063	687
Total	631	119	15,174	2,072

CONSTRUCTION TRUCK HAUL TRIPS

Year	Gas		Diesel	
	VMT	Gallons	VMT	Gallons
2025	0	0	116	19
Total	0	0	116	19

CONSTRUCTION OFF-ROAD EQUIPMENT

Year	Gasoline gallons	Diesel gallons
2025	67	26,688
2026	0	17,441
Total	67	44,128

CONSTRUCTION TOTAL

Year	Gas		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
2025	46,920	1,929	10,298	28,094	1,065	385
2026	37,669	1,444	5,118	18,129	980	355
Total	84,590	3,374	15,416	46,223	2,044	740

Off-Road Construction Equipment Fuel Usage Worksheet

Year	Total Gasoline	Total Diesel Gallons	Total Natural Gas
2025	67	26,688	0
2026	0	17,441	0
Total	67	44,128	0

Equipment Type ¹	Number of Equipment ¹	Horsepower	OFFROAD2017 Horsepower Category	Fuel Type	Working days ¹	Hours Per Day	Total Hours of Operation	Gasoline Gal/Hr ²	Total Gasoline gallons	Diesel Gal/Hr ²	Total Diesel gallons	Natural Gas Gal/Hr ²	Total Natural Gas gallons
Asphalt Demolition													
Concrete/Industrial Saws	1	33	50	Diesel	20	8	160	0.00	0	1.38	221	0.00	0
Excavators	3	36	50	Diesel	20	8	480	0.00	0	0.76	363	0.00	0
Rubber Tired Dozers	2	367	600	Diesel	20	8	320	0.00	0	7.07	2,263	0.00	0
Site Preparation													
Rubber Tired Dozers	3	367	600	Diesel	11	8	264	0.00	0	7.07	1,867	0.00	0
Tractors/Loaders/Backhoes	4	84	100	Diesel	11	8	352	0.00	0	1.83	644	0.00	0
Grading													
Excavators	2	36	50	Diesel	36	8	576	0.00	0	0.76	436	0.00	0
Graders	1	148	175	Diesel	36	8	288	0.00	0	3.19	919	0.00	0
Rubber Tired Dozers	1	367	600	Diesel	36	8	288	0.00	0	7.07	2,036	0.00	0
Scrapers	2	423	600	Diesel	36	8	576	0.00	0	9.98	5,748	0.00	0
Tractors/Loaders/Backhoes	2	84	100	Diesel	36	8	576	0.00	0	1.83	1,053	0.00	0
Utility Trenching													
Excavators	1	36	50	Diesel	5	8	40	0.00	0	0.76	30	0.00	0
Trenchers	1	40	50	Diesel	5	8	40	0.00	0	1.19	48	0.00	0
Generator Sets	1	14	25	Diesel	5	8	40	0.00	0	0.00	0	0.00	0
Building Construction													
Cranes	1	367	600	Diesel	76	7	532	0.00	0	6.24	3,319	0.00	0
Forklifts	3	82	100	Diesel	76	8	1,824	0.00	0	1.44	2,626	0.00	0
Generator Sets	1	14	25	Gasoline	76	8	608	0.00	0	0.00	0	0.00	0
Tractors/Loaders/Backhoes	3	84	100	Diesel	76	7	1,596	0.00	0	1.83	2,919	0.00	0
Welders	1	46	50	Diesel	76	8	608	0.00	0	1.19	722	0.00	0
Paving													
Pavers	2	81	100	Diesel	20	8	320	0.00	0	1.99	636	0.00	0
Paving Equipment	2	89	100	Diesel	20	8	320	0.00	0	1.85	593	0.00	0
Rollers	2	36	50	Diesel	20	8	320	0.00	0	0.77	246	0.00	0
Architectural Coating													
Air Compressors	1	37	50	Gasoline	5	6	30	2.22	67	0.00	0	0.00	0
TOTAL									67		26,688		0
2026													
Building Construction													
Cranes	1	367	600	Diesel	104	7	728	0.00	0	6.27	4,568	0.00	0
Forklifts	3	82	100	Diesel	104	8	2,496	0.00	0	1.47	3,675	0.00	0
Generator Sets	1	14	25	Gasoline	104	8	832	0.00	0	0.00	0	0.00	0
Tractors/Loaders/Backhoes	3	84	100	Diesel	104	7	2,184	0.00	0	1.85	4,049	0.00	0
Welders	1	46	50	Diesel	104	8	832	0.00	0	1.19	987	0.00	0
Field Installation													
Tractors/Loaders/Backhoes	1	84	100	Diesel	40	8	320	0.00	0	1.85	593	0.00	0
Scrapers	1	423	600	Diesel	40	8	320	0.00	0	9.91	3,172	0.00	0
Track Surfacing													
Tractors/Loaders/Backhoes	1	84	100	Diesel	15	8	120	0.00	0	1.85	222	0.00	0
Rollers	1	36	50	Diesel	15	8	120	0.00	0	0.81	98	0.00	0
Finishing/Landscaping													
Air Compressors	1	14	25	Gasoline	5	8	40	0.00	0	0.00	0	0.00	0
Paving Equipment	1	89	100	Diesel	5	8	40	0.00	0	1.90	76	0.00	0
TOTAL									0		17,441		0

¹ Based on information provided.

² OFFROAD2021 v.1.10.5

Construction Worker Trips Fuel Usage Worksheet

Note: Per CalEEMod methodology, worker vehicles are "LD_Mix", which is 25% LDA, 50% LDT1, and 25% LDT2

Activity ¹	Daily trips ^{1,2}	Trip miles ²	Trip days ²	Annual VMT
2025				
Asphalt Demolition	15	14.3	20	4,290
Site Preparation	18	14.3	11	2,851
Grading	20	14.3	36	10,296
Utilities Trenching	8	14.3	5	572
Building Construction 2025	23	14.3	76	24,996
Paving	15	14.3	20	4,290
Architectural Coating	5	14.3	5	358
2026				
Building Construction 2026	23	14.3	104	34,206
Field Installation	5	14.3	40	2,860
Track Surfacing	5	14.3	15	1,073
Finishing/Landscaping	5	14.3	5	358

¹ Based on information provided.

² Based on CalEEMod defaults.

Year	LDA VMT	LDT1 VMT	LDT2 VMT	Gasoline ¹						Diesel ¹						Electricity ¹					
				LDA mpg	LDA gallons	LDT1 mpg	LDT1 gallons	LDT2 mpg	LDT2 gallons	LDA mpg	LDA gallons	LDT1 mpg	LDT1 gallons	LDT2 mpg	LDT2 gallons	LDA m/Wh	LDA kWh	LDT1 m/Wh	LDT1 kWh	LDT2 m/Wh	LDT2 kWh
2025	11,908	23,817	11,908	30.26	365	25.03	947	24.95	470	43.20	1	24.58	0	33.68	1	2.73	297	2.82	36	2.90	52
2026	9,624	15,248	9,624	30.90	287	25.93	746	25.66	369	43.71	0	24.74	0	34.44	1	2.73	265	2.82	40	2.89	49

¹ EMFAC2021 v1.0.2.

Year	VMT from gasoline			VMT from diesel			VMT from electricity		
	LDA	LDT1	LDT2	LDA	LDT1	LDT2	LDA	LDT1	LDT2
2025	92.97%	99.55%	98.40%	0.22%	0.02%	0.33%	6.81%	0.43%	1.27%
2026	92.28%	99.40%	98.18%	0.20%	0.02%	0.34%	7.52%	0.59%	1.48%

Gasoline		Diesel		Electricity	
VMT	Gallons	VMT	Gallons	VMT	kWh
46,498	1,783	71	2	1,065	385
37,461	1,406	55	2	980	353
83,958	3,188	126	4	2,044	740

Vendor Trips Fuel Usage Worksheet

Note: Based on CalEEMod methodology, vendor vehicles are 50% HHDT (T7) and 50% MHDT (T6).

Activity ¹	2025		Trip days ¹	Annual VMT
	Daily trips ^{1,2}	Trip miles ²		
Asphalt Demolition	8	8.8	20	1,408
Site Preparation	19	8.8	11	1,839
Grading	23	8.8	36	7,286
Utilities Trenching	1	8.8	5	44
Building Construction 2025	1	8.8	76	669
Paving	2	8.8	20	352
Architectural Coating	0	8.8	5	0
2026				
Building Construction 2026	1	8.8	104	915
Field Installation	10	8.8	40	3,520
Track Surfacing	6	8.8	15	792
Finishing/Landscaping	1	8.8	5	44

¹ Based on information provided.

² Based on CalEEMod defaults.

Year	HHDT (T7) VMT		MHDT (T6) VMT		Gasoline ¹				Diesel ¹			
	HHDT (T7)	MHDT (T6)	HHDT (T7) mpg	HHDT (T7) gallons	MHDT (T6) mpg	MHDT (T6) gallons	HHDT (T7) mpg	HHDT (T7) gallons	MHDT (T6) mpg	MHDT (T6) gallons		
2025	5,267	5,267	3.85	0	5.28	80	6.22	847	8.99	539		
2026	2,636	2,636	3.94	0	5.35	39	6.30	418	9.04	269		

¹ EMFAC2021 v1.0.2.

Year	VMT from gasoline		VMT from diesel	
	HHDT (T7)	MHDT (T6)	HHDT (T7)	MHDT (T6)
2025	0.02%	7.81%	94.79%	89.71%
2026	0.01%	7.70%	94.73%	89.73%
Adjusted VMT Mix Between Gasoline and Diesel				
2025	0.02%	8.01%	99.98%	91.99%
2026	0.01%	7.90%	99.99%	92.10%

VENDOR

Gasoline		Diesel	
VMT	Gallons	VMT	Gallons
422.46	80.08	10,111	1,385
208.67	39.05	5,063	687
631.13	119.13	15,173.67	2,072.29

Truck Haul Trips Fuel Usage Worksheet

Note: Hauling vehicles are HHDT (T7)

Activity	2025	Total Trips ¹	Mi/Trip ¹	Annual VMT
Asphalt Demolition		6	20	120

¹ Based on information provided.

² Based on CalEEMod defaults.

Year	VMT	Gasoline ¹		Diesel ¹	
		HHDT (T7) mpg	HHDT (T7) gallons	HHDT (T7) mpg	HHDT (T7) gallons
2025	120	3.85	0	6.22	19

¹ EMFAC2021 v1.0.2.

Year	VMT from gasoline	VMT from diesel
2025	0.02%	96.76%

Gasoline		Diesel	
VMT	Gallons	VMT	Gallons
0	0	116	19
0	0	116	19

Equipment	Manufacturer	Model	Year	Region	Hours	CO ₂	CH ₄	N ₂ O	HC	PM ₁₀	PM _{2.5}	SO ₂	NO _x	Other	Total
Tractor/Loader/Backhoe	Scania	175	435	0.01	4743	8.86153346	139.864044	1.09867007	848.900213	2.74213804	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Tractor/Loader/Backhoe	Scania	175	435	0.01	4743	8.86153346	139.864044	1.09867007	848.900213	2.74213804	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Tractor/Loader/Backhoe	Scania	175	435	0.01	4743	8.86153346	139.864044	1.09867007	848.900213	2.74213804	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Tractor/Loader/Backhoe	Scania	175	435	0.01	4743	8.86153346	139.864044	1.09867007	848.900213	2.74213804	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

Model Output: OFFROAD2023 (v4.6) Emissions Inventory

Region: Sub-Area

Region: Region

Calendar Year: 2023

Scenario: All Emissions, Exhaust

Vehicle Classification: OFFROAD2023 Equipment Types

Units: ton/day for Emissions, gal/hour for Fuel, hours/year for Activity, horsepower-hour/year for horsepower-hour

Region	Calendar Year	Vehicle Category	Model Year	Horsepower	Fuel	HC	NO _x	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	NH ₃	Fuel Consumption	Activity Total	Total	Horsepower_Hour			
Roanoke (SC)	2023	2026 Agricultural - Agricultural Tractors	Agg	100	Gasoline	2.51885E-07	6.3247E-07	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	9.30928E-10	3.9466587	24.068339	0.01029437	105.325338		
Roanoke (SC)	2023	2026 Agricultural - Agricultural Tractors	Agg	175	Gasoline	4.68208E-06	1.17738E-05	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.78746E-05	7.27446E-05	0.00000000	0.00000000	120.868468		
Roanoke (SC)	2023	2026 Agricultural - Agricultural Tractors	Agg	300	Gasoline	5.8886E-07	7.1338E-07	8.4973E-07	8.4371E-06	4.633E-05	0.00054109	4.0705E-06	3.7488E-06	4.9139E-09	4.4117E-09	1.738734E-02	5.48397547	0.00212412	468.009936

Vehicle Type	GAS			DSL			NG			ELEC		
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	kWh/day	Miles/kWh
All other buses	0	0.00	0.00	9,758	1,925	9.71	2,219	222	9.99	0	0	0.00
LDA	20,714,818	484,642	30.26	49,994	1,157	43.20	0	0	0.00	1,517,178	555,179	2.73
LD1	1,501,466	59,983	25.03	298	12	24.58	0	0	0.00	6,514	2,311	2.83
LD2	9,021,793	361,615	24.93	30,519	906	33.68	0	0	0.00	116,110	39,997	2.90
LHD1	652,458	46,827	13.93	549,832	26,576	20.69	0	0	0.00	10,261	5,777	1.78
LHD2	88,409	7,133	12.39	250,293	14,528	17.23	0	0	0.00	2,488	1,402	1.77
MCY	138,550	3,308	41.89	0	0.00	0.00	0	0	0.00	0	0	0.00
MDV	6,479,151	324,539	19.96	99,526	4,138	24.05	0	0	0.00	99,755	35,556	2.81
MH	38,795	7,939	4.89	17,020	1,643	10.36	0	0	0.00	0	0	0.00
Motor coach	0	0.00	0.00	5,225	916	5.71	0	0	0.00	0	0	0.00
OBUS	12,151	2,348	5.18	0	0.00	0.00	0	0	0.00	134	142	0.94
PTO	0	0.00	0.00	48,843	9,731	5.02	0	0	0.00	683	1,414	0.48
SBUS	16,860	1,923	8.77	9,931	1,352	7.34	11,103	2,651	4.19	143	166	0.86
T6	49,719	9,418	5.28	571,359	63,533	8.99	7,896	893	8.84	6,144	6,469	0.95
T7	304	79	3.85	1,901,768	305,787	6.22	52,093	8,465	6.15	11,212	20,120	0.54
UBUS	18,544	3,289	5.64	30	3	11.26	31,122	7,673	4.06	34	48	0.50
Total	38,733,022	1,513,043	25.60	3,544,600	431,308	8.22	104,433	19,904	5.25	1,770,656	668,601	2.63

Source: EMFAC2021 (v1.0.2) Emissions Inventory
 Region Type: Sub-Area
 Region: Riverside (SC)
 Calendar Year: 2025
 Season: Annual
 Vehicle Classification: EMFAC202x Categories
 Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Fuel Consumption	Energy Consumption
Riverside (SC)	2025	All Other Buses	Aggregate	Aggregate	Diesel	185.8461696	9958.193915	9958.193915	0	0	1654.030909	1.02514111
Riverside (SC)	2025	All Other Buses	Aggregate	Aggregate	Natural Gas	36.9521167	2218.821339	2218.821339	0	0	328.873886	0.222038465
Riverside (SC)	2025	LD1	Aggregate	Aggregate	Gasoline	469318.5342	20373765.83	20373765.83	0	0	2183259.546	673.3165394
Riverside (SC)	2025	LD2	Aggregate	Aggregate	Diesel	1383.809245	49996.02059	49996.02059	0	0	6008.50207	1.157204906
Riverside (SC)	2025	LDA	Aggregate	Aggregate	Electricity	23756.17576	1153396.904	0	0	1153396.904	118930.4366	445306.3999
Riverside (SC)	2025	LDA	Aggregate	Aggregate	Plug-in Hybrid	14087.23202	704832.8394	341051.682	363781.1573	58250.7041	11.32583244	109872.7519
Riverside (SC)	2025	LDT1	Aggregate	Aggregate	Gasoline	39844.42885	1499609.575	1499609.575	0	0	172787.7588	59.92078241
Riverside (SC)	2025	LDT1	Aggregate	Aggregate	Diesel	15.26032827	298.1728862	298.1728862	0	0	45.89576085	0.012131898
Riverside (SC)	2025	LDT1	Aggregate	Aggregate	Electricity	84.57619148	4089.475353	0	0	4089.475353	421.3082066	0
Riverside (SC)	2025	LDT1	Aggregate	Aggregate	Plug-in Hybrid	76.19034646	4280.647946	1856.442657	2424.205288	315.070826	0.061879155	732.18225
Riverside (SC)	2025	LDT2	Aggregate	Aggregate	Gasoline	201900.7772	8973973.952	8973973.952	0	0	947238.8132	360.0165635
Riverside (SC)	2025	LDT2	Aggregate	Aggregate	Diesel	648.0824816	30519.42791	30519.42791	0	0	3118.258524	0.906087045
Riverside (SC)	2025	LDT2	Aggregate	Aggregate	Electricity	1968.408696	58637.73041	0	58637.73041	8444.293629	0	22639.00357
Riverside (SC)	2025	LDT2	Aggregate	Aggregate	Plug-in Hybrid	1653.286623	105293.4446	47820.90598	57472.53859	8118.190188	1.598791388	17358.41961
Riverside (SC)	2025	LHD1	Aggregate	Aggregate	Gasoline	17598.36242	652458.21	652458.21	0	0	262189.3786	46.82732866
Riverside (SC)	2025	LHD1	Aggregate	Aggregate	Diesel	15075.59282	549831.8274	549831.8274	0	0	189631.9925	26.5764701
Riverside (SC)	2025	LHD1	Aggregate	Aggregate	Electricity	149.6982853	10260.66293	0	10260.66293	2094.487079	0	5776.666368
Riverside (SC)	2025	LHD2	Aggregate	Aggregate	Gasoline	2462.303572	88408.90183	88408.90183	0	0	36684.6544	7.133200743
Riverside (SC)	2025	LHD2	Aggregate	Aggregate	Diesel	6820.445818	250292.8301	250292.8301	0	0	85792.62827	14.52815394
Riverside (SC)	2025	LHD2	Aggregate	Aggregate	Electricity	38.18158868	2488.307475	0	2488.307475	506.3231649	0	1402.074429
Riverside (SC)	2025	MCY	Aggregate	Aggregate	Gasoline	24005.46384	138549.7935	138549.7935	0	0	48010.92768	3.307549619
Riverside (SC)	2025	MDV	Aggregate	Aggregate	Gasoline	157992.5704	6448292.677	6448292.677	0	0	723018.9636	323.4938203
Riverside (SC)	2025	MDV	Aggregate	Aggregate	Diesel	2427.253752	99526.12558	99526.12558	0	0	11179.07031	4.137752355
Riverside (SC)	2025	MDV	Aggregate	Aggregate	Electricity	1830.142844	64565.5975	0	64565.5975	9311.712861	0	24927.64952
Riverside (SC)	2025	MDV	Aggregate	Aggregate	Plug-in Hybrid	1324.504282	66048.14278	30858.78974	35189.35304	5476.825208	1.044939643	10628.23343
Riverside (SC)	2025	MH	Aggregate	Aggregate	Gasoline	4508.467531	38795.29207	38795.29207	0	0	451.0279018	7.939175542
Riverside (SC)	2025	MH	Aggregate	Aggregate	Diesel	2015.081247	17019.87424	17019.87424	0	0	201.5081247	1.643099318
Riverside (SC)	2025	Motor Coach	Aggregate	Aggregate	Diesel	39.08602148	5225.485695	5225.485695	0	0	898.1967737	0.915628609
Riverside (SC)	2025	OBUS	Aggregate	Aggregate	Gasoline	362.5102847	12151.28279	12151.28279	0	0	7253.105775	2.347950658
Riverside (SC)	2025	OBUS	Aggregate	Aggregate	Electricity	2.021694394	134.2617193	0	134.2617193	40.45006143	0	142.1762761
Riverside (SC)	2025	PTO	Aggregate	Aggregate	Diesel	0	48843.25962	48843.25962	0	0	9.731240494	0
Riverside (SC)	2025	PTO	Aggregate	Aggregate	Electricity	0	682.766015	0	682.766015	0	0	1414.362614
Riverside (SC)	2025	SBUS	Aggregate	Aggregate	Gasoline	426.2067312	16859.59503	16859.59503	0	0	1704.826925	1.92304347
Riverside (SC)	2025	SBUS	Aggregate	Aggregate	Diesel	484.8964136	9931.139032	9931.139032	0	0	7006.820068	1.352394432
Riverside (SC)	2025	SBUS	Aggregate	Aggregate	Electricity	5.22909553	143.1587763	0	143.1587763	65.39532293	0	165.5346853
Riverside (SC)	2025	SBUS	Aggregate	Aggregate	Natural Gas	457.8096259	11102.69686	11102.69686	0	0	6629.083383	2.65109828
Riverside (SC)	2025	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	4.497908108	301.561384	301.561384	0	0	103.3619283	0.032567287
Riverside (SC)	2025	T6 CAIRP Class 4	Aggregate	Aggregate	Electricity	0.057003003	4.692076465	0	4.692076465	13.09929013	0	4.961623886
Riverside (SC)	2025	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	5.951009711	414.3790542	414.3790542	0	0	136.7542032	0.044775269
Riverside (SC)	2025	T6 CAIRP Class 5	Aggregate	Aggregate	Electricity	0.065994337	5.745621972	0	5.745621972	1.516549868	0	6.075692805
Riverside (SC)	2025	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	20.39416995	1075.470517	1075.470517	0	0	464.0620254	0.114424156
Riverside (SC)	2025	T6 CAIRP Class 6	Aggregate	Aggregate	Electricity	0.371245939	22.32728123	0	22.32728123	8.531177897	0	23.60992467
Riverside (SC)	2025	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	33.3190398	6812.78329	6812.78329	0	0	765.5075335	0.673972229
Riverside (SC)	2025	T6 CAIRP Class 7	Aggregate	Aggregate	Electricity	0.316837617	67.5057228	0	67.5057228	7.280928436	0	71.38374859
Riverside (SC)	2025	T6 CAIRP Class 7	Aggregate	Aggregate	Natural Gas	0.028724589	5.653666281	5.653666281	0	0	0.060091508	0.000538827
Riverside (SC)	2025	T6 Instate Delivery Class 4	Aggregate	Aggregate	Diesel	461.0813952	15574.75538	15574.75538	0	0	6579.631509	1.743476356
Riverside (SC)	2025	T6 Instate Delivery Class 4	Aggregate	Aggregate	Electricity	3.854587568	158.3199442	0	158.3199442	55.0049646	0	166.4487611
Riverside (SC)	2025	T6 Instate Delivery Class 4	Aggregate	Aggregate	Natural Gas	1.815353631	65.57351432	65.57351432	0	0	26.13601346	0.007483092
Riverside (SC)	2025	T6 Instate Delivery Class 5	Aggregate	Aggregate	Diesel	438.3104485	14928.74769	14928.74769	0	0	6254.81853	1.689453093
Riverside (SC)	2025	T6 Instate Delivery Class 5	Aggregate	Aggregate	Electricity	3.390768004	140.2127732	0	140.2127732	48.38625498	0	147.4119005
Riverside (SC)	2025	T6 Instate Delivery Class 5	Aggregate	Aggregate	Natural Gas	1.48511899	53.60879367	53.60879367	0	0	21.19264798	0.006072204
Riverside (SC)	2025	T6 Instate Delivery Class 6	Aggregate	Aggregate	Diesel	1272.783413	43120.3604	43120.3604	0	0	18162.6193	4.787637842
Riverside (SC)	2025	T6 Instate Delivery Class 6	Aggregate	Aggregate	Electricity	10.06039863	411.3620506	0	411.3620506	143.5695943	0	432.4831489
Riverside (SC)	2025	T6 Instate Delivery Class 6	Aggregate	Aggregate	Natural Gas	5.049922037	179.4440824	179.4440824	0	0	72.06238747	0.020460008
Riverside (SC)	2025	T6 Instate Delivery Class 7	Aggregate	Aggregate	Diesel	182.4452627	9851.595084	9851.595084	0	0	2603.493899	1.05318147
Riverside (SC)	2025	T6 Instate Delivery Class 7	Aggregate	Aggregate	Electricity	0.67795929	32.64503585	0	32.64503585	9.674485334	0	34.32117251
Riverside (SC)	2025	T6 Instate Delivery Class 7	Aggregate	Aggregate	Natural Gas	5.041048334	274.9300638	274.9300638	0	0	71.9357572	0.030490188
Riverside (SC)	2025	T6 Instate Other Class 4	Aggregate	Aggregate	Diesel	1564.422801	65865.84799	65865.84799	0	0	18084.72758	7.402322285
Riverside (SC)	2025	T6 Instate Other Class 4	Aggregate	Aggregate	Electricity	13.24573134	633.7586952	0	633.7586952	152.1306543	0	667.1300501
Riverside (SC)	2025	T6 Instate Other Class 4	Aggregate	Aggregate	Natural Gas	5.449341407	244.1828803	244.1828				

Riverside (SC)	2025 T6 Utility Class 5	Aggregate	Aggregate	Diesel	181.237329	7345.191683	7345.191683	0	2319.837812	0.787721506	0
Riverside (SC)	2025 T6 Utility Class 5	Aggregate	Aggregate	Electricity	3.235645377	140.6107194	0	140.6107194	41.41626083	0	148.4145935
Riverside (SC)	2025 T6 Utility Class 5	Aggregate	Aggregate	Natural Gas	1.069328514	42.76830853	42.76830853	0	13.68740498	0.004600719	0
Riverside (SC)	2025 T6 Utility Class 6	Aggregate	Aggregate	Diesel	34.24106852	1382.30832	1382.30832	0	438.285677	0.147632375	0
Riverside (SC)	2025 T6 Utility Class 6	Aggregate	Aggregate	Electricity	0.615519098	26.74902748	0	26.74902748	7.878644452	0	28.23359454
Riverside (SC)	2025 T6 Utility Class 6	Aggregate	Aggregate	Natural Gas	0.351762484	13.69011875	13.69011875	0	4.502559795	0.001475933	0
Riverside (SC)	2025 T6 Utility Class 7	Aggregate	Aggregate	Diesel	38.60511844	1916.522023	1916.522023	0	494.1455161	0.203673475	0
Riverside (SC)	2025 T6 Utility Class 7	Aggregate	Aggregate	Electricity	0.694501293	42.91672163	0	42.91672163	8.889616556	0	45.29859331
Riverside (SC)	2025 T6 Utility Class 7	Aggregate	Aggregate	Natural Gas	0.458220916	20.07558464	20.07558464	0	5.865227719	0.002135164	0
Riverside (SC)	2025 T6T5	Aggregate	Aggregate	Gasoline	1219.56756	49718.98291	49718.98291	0	24401.10774	9.418016992	0
Riverside (SC)	2025 T6T5	Aggregate	Aggregate	Electricity	10.46352193	728.6032371	0	728.6032371	209.3541467	0	767.3396256
Riverside (SC)	2025 T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	1868.992505	387496.5257	387496.5257	0	42949.44776	61.61255995	0
Riverside (SC)	2025 T7 CAIRP Class 8	Aggregate	Aggregate	Electricity	23.82424749	4771.161375	0	4771.161375	547.4812073	0	8564.663462
Riverside (SC)	2025 T7 CAIRP Class 8	Aggregate	Aggregate	Natural Gas	7.693550908	1577.794996	1577.794996	0	176.7977999	0.270842335	0
Riverside (SC)	2025 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	1693.190754	466389.7655	466389.7655	0	38909.52353	72.08963546	0
Riverside (SC)	2025 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	716.1931572	169346.603	169346.603	0	16458.11875	26.79693245	0
Riverside (SC)	2025 T7 POLA Class 8	Aggregate	Aggregate	Diesel	2405.579791	303500.7534	303500.7534	0	39355.28538	50.8095489	0
Riverside (SC)	2025 T7 POLA Class 8	Aggregate	Aggregate	Electricity	4.818019666	520.7565786	0	520.7565786	78.82280174	0	933.4604929
Riverside (SC)	2025 T7 POLA Class 8	Aggregate	Aggregate	Natural Gas	25.53502102	3195.229186	3195.229186	0	417.7529439	0.53984801	0
Riverside (SC)	2025 T7 Public Class 8	Aggregate	Aggregate	Diesel	616.4146359	24865.0182	24865.0182	0	3162.207082	4.255485188	0
Riverside (SC)	2025 T7 Public Class 8	Aggregate	Aggregate	Electricity	6.219175472	405.0297737	0	405.0297737	31.9047017	0	726.737488
Riverside (SC)	2025 T7 Public Class 8	Aggregate	Aggregate	Natural Gas	210.9375132	10678.08897	10678.08897	0	1082.109443	1.680119991	0
Riverside (SC)	2025 T7 Single Concrete/Transit Mix C1	Aggregate	Aggregate	Diesel	1266.648939	87445.39159	87445.39159	0	11931.833	14.30156264	0
Riverside (SC)	2025 T7 Single Concrete/Transit Mix C1	Aggregate	Aggregate	Electricity	23.97903956	1907.854333	0	1907.854333	225.8825527	0	3424.637856
Riverside (SC)	2025 T7 Single Concrete/Transit Mix C1	Aggregate	Aggregate	Natural Gas	94.38714478	6727.327625	6727.327625	0	889.1269038	1.066958585	0
Riverside (SC)	2025 T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	1179.018088	68603.36343	68603.36343	0	11106.35039	11.53415915	0
Riverside (SC)	2025 T7 Single Dump Class 8	Aggregate	Aggregate	Electricity	9.317030414	747.3600571	0	747.3600571	87.7664265	0	1341.526708
Riverside (SC)	2025 T7 Single Dump Class 8	Aggregate	Aggregate	Natural Gas	88.45050945	5533.443774	5533.443774	0	833.2037991	0.938681089	0
Riverside (SC)	2025 T7 Single Other Class 8	Aggregate	Aggregate	Diesel	1254.236582	72132.76925	72132.76925	0	11814.9086	11.94855908	0
Riverside (SC)	2025 T7 Single Other Class 8	Aggregate	Aggregate	Electricity	10.36468235	783.3317346	0	783.3317346	97.63530778	0	1406.096611
Riverside (SC)	2025 T7 Single Other Class 8	Aggregate	Aggregate	Natural Gas	90.42141666	5542.122722	5542.122722	0	851.7697449	0.9201308	0
Riverside (SC)	2025 T7 SWCV Class 8	Aggregate	Aggregate	Diesel	47.87510405	3106.761506	3106.761506	0	220.2254786	1.152217728	0
Riverside (SC)	2025 T7 SWCV Class 8	Aggregate	Aggregate	Electricity	1.368556757	86.07994584	0	86.07994584	6.295361084	0	154.4583259
Riverside (SC)	2025 T7 SWCV Class 8	Aggregate	Aggregate	Natural Gas	130.9415055	8476.533953	8476.533953	0	602.3309254	1.251024006	0
Riverside (SC)	2025 T7 Tractor Class 8	Aggregate	Aggregate	Diesel	4100.991807	312988.4618	312988.4618	0	59587.41095	50.33462968	0
Riverside (SC)	2025 T7 Tractor Class 8	Aggregate	Aggregate	Electricity	23.23787034	1936.656617	0	1936.656617	337.646256	0	3471.220531
Riverside (SC)	2025 T7 Tractor Class 8	Aggregate	Aggregate	Natural Gas	133.2934452	10362.61602	10362.61602	0	1936.753759	1.797199317	0
Riverside (SC)	2025 T7 Utility Class 8	Aggregate	Aggregate	Diesel	132.3576704	5892.803144	5892.803144	0	1694.178182	0.951718883	0
Riverside (SC)	2025 T7 Utility Class 8	Aggregate	Aggregate	Electricity	0.810758178	51.84939776	0	51.84939776	10.37770468	0	93.03242263
Riverside (SC)	2025 T7T5	Aggregate	Aggregate	Gasoline	6.232252524	303.889871	303.889871	0	124.694900	0.078875502	0
Riverside (SC)	2025 T7T5	Aggregate	Aggregate	Electricity	0.009393068	2.090133139	0	2.090133139	0.187936507	0	3.74118154
Riverside (SC)	2025 UBUS	Aggregate	Aggregate	Gasoline	146.4959788	18545.85863	18545.85863	0	585.9839153	3.288543187	0
Riverside (SC)	2025 UBUS	Aggregate	Aggregate	Diesel	0.3117338	30.10971099	30.10971099	0	1.246935201	0.002675115	0
Riverside (SC)	2025 UBUS	Aggregate	Aggregate	Electricity	0.20926462	33.75780976	0	33.75780976	0.83705848	0	68.1933808
Riverside (SC)	2025 UBUS	Aggregate	Aggregate	Natural Gas	252.5418031	31122.27213	31122.27213	0	1010.167212	7.673228246	0

Vehicle Type	GAS			DSL			NG			ELEC		
	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	Gallons/day	Miles/gallon	VMT/day	kWh/day	Miles/kWh
All other buses	0	0	0.00	9,977	1,018	9.80	2,322	229	10.14	0	0	0.00
LDA	20,491,882	669,639	30.90	45,657	1,044	43.71	0	0	0.00	1,686,043	618,026	2.73
LD1	1,478,165	57,851	25.55	246	10	24.74	0	0	0.00	8,735	3,101	2.82
LD2	9,242,699	361,044	25.60	31,822	924	34.44	0	0	0.00	139,579	48,343	2.89
LHD1	648,259	45,432	14.27	538,721	25,946	20.77	0	0	0.00	18,823	10,594	1.78
LHD2	87,078	6,895	12.63	246,179	14,209	17.33	0	0	0.00	4,563	2,570	1.78
MCY	137,143	3,260	42.07	0	0	0.00	0	0	0.00	0	0	0.00
MDV	6,460,183	315,883	20.45	96,875	3,959	24.47	0	0	0.00	121,140	43,300	2.80
MH	36,312	7,426	4.89	16,521	1,596	10.35	0	0	0.00	0	0	0.00
Motor coach	0	0	0.00	5,257	912	5.76	0	0	0.00	0	0	0.00
OBUS	11,598	2,216	5.23	0	0	0.00	0	0	0.00	222	235	0.94
PTO	0	0	0.00	48,893	9,616	5.08	0	0	0.00	1,164	2,412	0.48
SBUS	16,958	1,930	8.78	9,627	1,309	7.36	11,330	2,692	4.21	246	284	0.86
T6	49,533	9,264	5.35	577,214	63,871	9.04	8,249	932	8.85	11,242	11,835	0.95
T7	270	68	3.94	1,939,561	307,815	6.30	53,853	8,484	6.20	19,690	35,329	0.56
UBUS	18,581	3,253	5.71	30	3	11.26	31,172	7,683	4.06	49	99	0.50
Total	38,878,660	1,484,162	26.20	3,566,629	432,232	8.25	106,926	20,221	5.29	2,011,676	776,131	2.59

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Sub-Area

Region: Riverside (SC)

Calendar Year: 2026

Season: Annual

Vehicle Classification: EMFAC202x Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Fuel Consumption	Energy Consumption
Riverside (SC)	2026	All Other Buses	Aggregate	Aggregate	Diesel	189.363508	9976.89238	9976.89238	0	1685.335221	1.018180951	0
Riverside (SC)	2026	All Other Buses	Aggregate	Aggregate	Natural Gas	39.09901647	2321.721637	2321.721637	0	347.9812466	0.229040331	0
Riverside (SC)	2026	LDA	Aggregate	Aggregate	Gasoline	470220.2179	2033899.18	2033899.18	0	2185331.163	657.9019755	0
Riverside (SC)	2026	LDA	Aggregate	Aggregate	Diesel	1278.903087	45656.81459	45656.81459	0	5545.999289	1.04446634	0
Riverside (SC)	2026	LDA	Aggregate	Aggregate	Electricity	27110.24505	1294343.513	0	0	1294343.513	135099.14	499723.424
Riverside (SC)	2026	LDA	Aggregate	Aggregate	Plug-in Hybrid	15111.22646	744588.2646	352889.0075	391699.257	62484.92143	11.7327955	118304.8501
Riverside (SC)	2026	LD1	Aggregate	Aggregate	Gasoline	39097.73904	1475770.596	1475770.596	0	169714.1852	57.77065353	0
Riverside (SC)	2026	LD1	Aggregate	Aggregate	Diesel	13.62192751	246.3725383	246.3725383	0	37.88513027	0.009960174	0
Riverside (SC)	2026	LD1	Aggregate	Aggregate	Electricity	113.2552136	5510.239566	0	0	5510.239566	566.2242098	2127.404976
Riverside (SC)	2026	LD1	Aggregate	Aggregate	Plug-in Hybrid	101.686721	5618.828531	2393.923488	3224.905043	420.4745914	0.079905828	974.0174404
Riverside (SC)	2026	LD2	Aggregate	Aggregate	Gasoline	207104.2919	9189016.153	9189016.153	0	971544.554	359.2463978	0
Riverside (SC)	2026	LD2	Aggregate	Aggregate	Diesel	682.5626955	31821.71127	31821.71127	0	3275.224859	0.923868936	0
Riverside (SC)	2026	LD2	Aggregate	Aggregate	Electricity	2094.273367	72949.08151	0	72949.08151	10611.7929	0	28164.36628
Riverside (SC)	2026	LD2	Aggregate	Aggregate	Plug-in Hybrid	2291.195555	120492.7893	53682.5287	66810.26064	9474.03962	1.797659677	20178.68998
Riverside (SC)	2026	LHD1	Aggregate	Aggregate	Gasoline	17398.34216	648258.6134	648258.6134	0	259209.3746	45.43230342	0
Riverside (SC)	2026	LHD1	Aggregate	Aggregate	Diesel	14868.32038	538771.2685	538771.2685	0	187024.766	25.94580105	0
Riverside (SC)	2026	LHD1	Aggregate	Aggregate	Electricity	2989.395654	18822.70429	0	18822.70429	4016.687077	0	10594.16768
Riverside (SC)	2026	LHD2	Aggregate	Aggregate	Gasoline	2430.034218	87077.56554	87077.56554	0	36203.8891	6.894650038	0
Riverside (SC)	2026	LHD2	Aggregate	Aggregate	Diesel	6777.179033	246178.6334	246178.6334	0	85255.17906	14.20940258	0
Riverside (SC)	2026	LHD2	Aggregate	Aggregate	Electricity	73.06243174	4562.903373	0	4562.903373	969.1961533	0	2570.446676
Riverside (SC)	2026	MCY	Aggregate	Aggregate	Gasoline	23937.33086	137142.5787	137142.5787	0	47874.66172	3.259850983	0
Riverside (SC)	2026	MDV	Aggregate	Aggregate	Gasoline	157654.7501	6425602.492	6425602.492	0	72113.3463	314.7102388	0
Riverside (SC)	2026	MDV	Aggregate	Aggregate	Diesel	2395.180805	96875.32958	96875.32958	0	10973.88872	3.958815392	0
Riverside (SC)	2026	MDV	Aggregate	Aggregate	Electricity	2298.450518	79855.22944	0	79855.22944	11636.40474	0	30830.70937
Riverside (SC)	2026	MDV	Aggregate	Aggregate	Plug-in Hybrid	1539.714974	75864.84529	34580.25026	41284.59503	6366.721417	1.172888712	12469.17818
Riverside (SC)	2026	MH	Aggregate	Aggregate	Gasoline	4250.734566	36312.00617	36312.00617	0	425.243486	7.425870006	0
Riverside (SC)	2026	MH	Aggregate	Aggregate	Diesel	1981.725027	16521.21606	16521.21606	0	198.1725027	1.595663475	0
Riverside (SC)	2026	Motor Coach	Aggregate	Aggregate	Diesel	407.7833655	5256.765418	5256.765418	0	935.931704	0.91212623	0
Riverside (SC)	2026	OBUS	Aggregate	Aggregate	Gasoline	350.9276772	11597.74291	11597.74291	0	7021.360966	2.216471452	0
Riverside (SC)	2026	OBUS	Aggregate	Aggregate	Electricity	3.398598414	222.0634986	0	222.0634986	67.99915706	0	235.1538582
Riverside (SC)	2026	PTO	Aggregate	Aggregate	Diesel	0	48892.54833	48892.54833	0	0	9.616496127	0
Riverside (SC)	2026	PTO	Aggregate	Aggregate	Electricity	0	1164.418083	0	1164.418083	0	0	2412.113913
Riverside (SC)	2026	SBUS	Aggregate	Aggregate	Gasoline	428.6165302	16957.83533	16957.83533	0	1714.466121	1.930418011	0
Riverside (SC)	2026	SBUS	Aggregate	Aggregate	Diesel	474.8674611	9627.108018	9627.108018	0	6876.080837	1.308586985	0
Riverside (SC)	2026	SBUS	Aggregate	Aggregate	Electricity	9.660082283	245.5300912	0	245.5300912	112.7096016	0	283.9067741
Riverside (SC)	2026	SBUS	Aggregate	Aggregate	Natural Gas	472.4302591	11329.69641	11329.69641	0	6840.790152	2.69210511	0
Riverside (SC)	2026	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	4.540564328	303.8300751	303.8300751	0	104.4455576	0.0325429	0
Riverside (SC)	2026	T6 CAIRP Class 4	Aggregate	Aggregate	Electricity	0.100913569	8.290875694	0	8.290875694	2.31899382	0	8.766858255
Riverside (SC)	2026	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	5.97788529	417.85402	417.85402	0	137.371804	0.044816592	0
Riverside (SC)	2026	T6 CAIRP Class 5	Aggregate	Aggregate	Electricity	0.117786748	10.3197978	0	10.3197978	2.706739461	0	10.91226161
Riverside (SC)	2026	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	20.86474475	1081.161332	1081.161332	0	479.4718343	0.114167403	0
Riverside (SC)	2026	T6 CAIRP Class 6	Aggregate	Aggregate	Electricity	0.64265176	37.66910424	0	37.66910424	14.76813746	0	39.8317029
Riverside (SC)	2026	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	33.9076784	6886.169617	6886.169617	0	779.2005049	0.672097963	0
Riverside (SC)	2026	T6 CAIRP Class 7	Aggregate	Aggregate	Electricity	0.586350754	126.1744328	0	126.1744328	13.47434033	0	133.4181585
Riverside (SC)	2026	T6 CAIRP Class 7	Aggregate	Aggregate	Natural Gas	0.028251682	5.525962142	5.525962142	0	0.649232656	0.000523937	0
Riverside (SC)	2026	T6 Instate Delivery Class 4	Aggregate	Aggregate	Diesel	467.8934326	15736.93867	15736.93867	0	6676.839283	1.753087891	0
Riverside (SC)	2026	T6 Instate Delivery Class 4	Aggregate	Aggregate	Electricity	7.186858333	293.0781513	0	293.0781513	102.5564691	0	308.070084
Riverside (SC)	2026	T6 Instate Delivery Class 4	Aggregate	Aggregate	Natural Gas	1.984095657	71.3173012	71.3173012	0	28.45574503	0.01051077	0
Riverside (SC)	2026	T6 Instate Delivery Class 5	Aggregate	Aggregate	Diesel	446.9600888	15093.09907	15093.09907	0	6378.120467	1.699161423	0
Riverside (SC)	2026	T6 Instate Delivery Class 5	Aggregate	Aggregate	Electricity	6.37405542	260.1629373	0	260.1629373	90.57890233	0	273.4711661
Riverside (SC)	2026	T6 Instate Delivery Class 5	Aggregate	Aggregate	Natural Gas	1.636840788	59.039586	59.039586	0	23.5771805	0.006662968	0
Riverside (SC)	2026	T6 Instate Delivery Class 6	Aggregate	Aggregate	Diesel	1294.097362	43582.20135	43582.20135	0	18466.76939	4.819772094	0
Riverside (SC)	2026	T6 Instate Delivery Class 6	Aggregate	Aggregate	Electricity	18.98368949	772.0786955	0	772.0786955	270.897249	0	811.5711969
Riverside (SC)	2026	T6 Instate Delivery Class 6	Aggregate	Aggregate	Natural Gas	5.495295158	194.3477459	194.3477459	0	78.5018622	0.022070766	0
Riverside (SC)	2026	T6 Instate Delivery Class 7	Aggregate	Aggregate	Diesel	188.7341584	10015.58702	10015.58702	0	2693.23644	1.06924367	0
Riverside (SC)	2026	T6 Instate Delivery Class 7	Aggregate	Aggregate	Electricity	1.230913511	61.77918911	0	61.77918911	17.5653158	0	64.9340232
Riverside (SC)	2026	T6 Instate Delivery Class 7	Aggregate	Aggregate	Natural Gas	5.157700914	276.4428627	276.4428627	0	73.6009304	0.030690343	0
Riverside (SC)	2026	T6 Instate Other Class 4	Aggregate	Aggregate	Diesel	1592.946355	62252.69891	62252.69891	0	18414.45986	7.440758175	0
Riverside (SC)	2026	T6 Instate Other Class 4	Aggregate	Aggregate	Electricity	25.50706613	1269.603001	0				

Riverside (SC)	2026 T6 Utility Class 5	Aggregate	Aggregate	Diesel	181.3701616	7329.174556	7329.174556	0	2321.538069	0.78337598	0
Riverside (SC)	2026 T6 Utility Class 5	Aggregate	Aggregate	Electricity	5.35386032	232.2985485	0	232.2985485	68.5294121	0	245.1892613
Riverside (SC)	2026 T6 Utility Class 5	Aggregate	Aggregate	Natural Gas	1.059706736	42.27734961	42.27734961	0	13.5642622	0.004527987	0
Riverside (SC)	2026 T6 Utility Class 6	Aggregate	Aggregate	Diesel	34.26197075	1379.976087	1379.976087	0	438.5532256	0.146932072	0
Riverside (SC)	2026 T6 Utility Class 6	Aggregate	Aggregate	Electricity	1.021986247	44.3442794	0	44.3442794	13.08142397	0	46.80503249
Riverside (SC)	2026 T6 Utility Class 6	Aggregate	Aggregate	Natural Gas	0.327680207	12.63454942	12.63454942	0	4.19430665	0.001359618	0
Riverside (SC)	2026 T6 Utility Class 7	Aggregate	Aggregate	Diesel	38.39365749	1910.063659	1910.063659	0	491.4388159	0.202079776	0
Riverside (SC)	2026 T6 Utility Class 7	Aggregate	Aggregate	Electricity	1.165098857	70.8264169	0	70.8264169	14.91326537	0	74.75671696
Riverside (SC)	2026 T6 Utility Class 7	Aggregate	Aggregate	Natural Gas	0.420184155	18.39153544	18.39153544	0	5.378357186	0.001951126	0
Riverside (SC)	2026 T6T5	Aggregate	Aggregate	Gasoline	1204.155669	49534.83957	49534.83957	0	24092.74663	9.263997368	0
Riverside (SC)	2026 T6T5	Aggregate	Aggregate	Electricity	17.60952272	1206.057194	0	1206.057194	352.3313306	0	1270.037785
Riverside (SC)	2026 T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	1900.327832	393302.9697	393302.9697	0	43669.53357	61.60068373	0
Riverside (SC)	2026 T7 CAIRP Class 8	Aggregate	Aggregate	Electricity	41.35565057	8446.758935	0	8446.758935	950.35285	0	15161.24577
Riverside (SC)	2026 T7 CAIRP Class 8	Aggregate	Aggregate	Natural Gas	7.622339164	1560.826996	1560.826996	0	175.161354	0.265578678	0
Riverside (SC)	2026 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	1731.287544	477598.2562	477598.2562	0	39784.98777	72.04575741	0
Riverside (SC)	2026 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	736.7682567	173416.4175	173416.4175	0	16930.93454	26.92782964	0
Riverside (SC)	2026 T7 POLA Class 8	Aggregate	Aggregate	Diesel	2463.682481	314986.3083	314986.3083	0	40305.84539	52.67896915	0
Riverside (SC)	2026 T7 POLA Class 8	Aggregate	Aggregate	Electricity	8.88920687	998.6006615	0	998.6006615	145.4274244	0	1789.574759
Riverside (SC)	2026 T7 POLA Class 8	Aggregate	Aggregate	Natural Gas	27.51401265	3491.621359	3491.621359	0	450.1292469	0.582368042	0
Riverside (SC)	2026 T7 Public Class 8	Aggregate	Aggregate	Diesel	599.7043156	24256.06027	24256.06027	0	3076.483139	4.132068443	0
Riverside (SC)	2026 T7 Public Class 8	Aggregate	Aggregate	Electricity	10.29929163	656.708181	0	656.708181	52.83536605	0	1178.175697
Riverside (SC)	2026 T7 Public Class 8	Aggregate	Aggregate	Natural Gas	227.9441159	11394.34389	11394.34389	0	1169.533315	1.783493434	0
Riverside (SC)	2026 T7 Single Concrete/Transit Mix C1	Aggregate	Aggregate	Diesel	1265.856179	86656.81285	86656.81285	0	11924.36521	14.03482966	0
Riverside (SC)	2026 T7 Single Concrete/Transit Mix C1	Aggregate	Aggregate	Electricity	39.79083578	3139.09596	0	3139.09596	374.8296731	0	5634.755413
Riverside (SC)	2026 T7 Single Concrete/Transit Mix C1	Aggregate	Aggregate	Natural Gas	95.5361156	6727.726996	6727.726996	0	899.950209	1.058906845	0
Riverside (SC)	2026 T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	1203.810084	68315.39925	68315.39925	0	11339.89811	11.43173338	0
Riverside (SC)	2026 T7 Single Dump Class 8	Aggregate	Aggregate	Electricity	16.92833731	1366.945458	0	1366.945458	159.4649375	0	2453.701134
Riverside (SC)	2026 T7 Single Dump Class 8	Aggregate	Aggregate	Natural Gas	91.21232888	5547.140523	5547.140523	0	859.2201381	0.936449206	0
Riverside (SC)	2026 T7 Single Other Class 8	Aggregate	Aggregate	Diesel	1300.692228	73303.37224	73303.37224	0	12252.52078	12.08779458	0
Riverside (SC)	2026 T7 Single Other Class 8	Aggregate	Aggregate	Electricity	18.02436094	1358.200797	0	1358.200797	169.78948	0	2438.004251
Riverside (SC)	2026 T7 Single Other Class 8	Aggregate	Aggregate	Natural Gas	94.9220624	5682.194348	5682.194348	0	894.1658278	0.939122908	0
Riverside (SC)	2026 T7 SWCV Class 8	Aggregate	Aggregate	Diesel	41.33517057	2683.190874	2683.190874	0	190.1417846	0.92116176	0
Riverside (SC)	2026 T7 SWCV Class 8	Aggregate	Aggregate	Electricity	2.413754253	151.1368076	0	151.1368076	11.10326957	0	271.1854067
Riverside (SC)	2026 T7 SWCV Class 8	Aggregate	Aggregate	Natural Gas	138.2915695	8951.577233	8951.577233	0	636.1412196	1.298579148	0
Riverside (SC)	2026 T7 Tractor Class 8	Aggregate	Aggregate	Diesel	4309.459038	319129.5753	319129.5753	0	62616.43982	50.93210196	0
Riverside (SC)	2026 T7 Tractor Class 8	Aggregate	Aggregate	Electricity	41.8777682	3477.761791	0	3477.761791	608.4840972	0	6231.551128
Riverside (SC)	2026 T7 Tractor Class 8	Aggregate	Aggregate	Natural Gas	139.9432917	10497.85997	10497.85997	0	2033.376028	1.819183129	0
Riverside (SC)	2026 T7 Utility Class 8	Aggregate	Aggregate	Diesel	134.8643814	5912.192026	5912.192026	0	1726.264082	0.95080062	0
Riverside (SC)	2026 T7 Utility Class 8	Aggregate	Aggregate	Electricity	1.46093297	91.82337134	0	91.82337134	18.69994201	0	164.7368918
Riverside (SC)	2026 T7T5	Aggregate	Aggregate	Gasoline	5.301713201	269.8155783	269.8155783	0	106.0766777	0.068469804	0
Riverside (SC)	2026 T7T5	Aggregate	Aggregate	Electricity	0.015515282	3.346833903	0	3.346833903	0.31042977	0	5.988620919
Riverside (SC)	2026 UBUS	Aggregate	Aggregate	Gasoline	146.7792196	18580.60009	18580.60009	0	587.1168784	3.25315693	0
Riverside (SC)	2026 UBUS	Aggregate	Aggregate	Diesel	0.3117338	30.10971099	30.10971099	0	1.246935201	0.002675115	0
Riverside (SC)	2026 UBUS	Aggregate	Aggregate	Electricity	0.298524289	49.15190367	0	49.15190367	1.194097158	0	99.2906368
Riverside (SC)	2026 UBUS	Aggregate	Aggregate	Natural Gas	252.9741581	31172.31474	31172.31474	0	1011.896632	7.683424013	0