
APPENDIX A

AIR QUALITY AND GREENHOUSE GAS EMISSIONS REPORT

APPENDIX

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Attachment H

Marici Energy Storage Project

Air Quality and Greenhouse Gas Emissions Report

Revised 9/16/2025

Introduction

TRC Solutions, Inc. (TRC) utilized the California Emissions Estimator Model (CalEEMod) to evaluate potential criteria pollutant and greenhouse gas (GHG) emissions associated with the proposed Marici Energy Storage Project (the Project). The Project will consist of the construction and operation of an electric energy storage facility that will utilize lithium-ion batteries and ancillary equipment to store energy received from the electric grid and return it to the grid when needed. The Project will include an operations and maintenance support building containing six offices and a conference room. The Project is located in the City of Industry in the South Coast Air Quality Management District (SCAQMD).

The Project site is zoned industrial and is surrounded by commercial properties to the west, a railroad right-of-way and rail yard to the north, and the Southern California Edison Walnut electric substation to the east. The Project includes installation of a 220 kV overhead electric tie-line that will cross over the eastern site boundary directly into the Southern California Edison Walnut Substation where it will interconnect to the power grid. The nearest sensitive receptor locations to the Project are the residences located on the south side of Gale Avenue, where the closest residence is approximately 100 feet south of the Project.

Regulatory Setting

Los Angeles County continually exceeds federal and state ambient air quality standards for ozone, and particulate matter. The United States Environmental Protection Agency (USEPA) Region 9 is responsible for enforcement of federal air pollution control requirements. The SOCAB is currently classified by the US EPA as “extreme” nonattainment for the 2015 8-hour ozone National Ambient Air Quality Standard (NAAQS), and serious non-attainment for the 2012 PM_{2.5} NAAQS.

The SCAQMD is responsible for monitoring air quality and planning, implementing, and enforcing programs designed to attain and maintain state and federal ambient air quality standards in the district. Programs developed include air quality rules and regulations that regulate stationary source emissions, including area and point sources and certain mobile source emissions. The SCAQMD is also responsible for establishing permitting requirements and issuing permits for stationary sources and ensuring that new, modified, or relocated stationary sources do not create net emissions increases. The SCAQMD enforces air quality rules and regulations through a variety of means, including inspections, educational and training programs, and fines (SCAQMD, 2005).

The SCAQMD Air Quality Significance Thresholds provide project emissions thresholds as guidance for determining whether the project will have a significant impact on communities surrounding the Project. The thresholds were updated in March 2023 to reflect the EPA’s ozone redesignation. Neither SCAQMD nor any other jurisdictional agency have a Significance Threshold for construction project GHG emissions.

Project Impacts

The Project operation will not have direct emissions and will have up to two employees on-site daily which will result in negligible impacts from worker trips as the Project is designed for remote operation. The Project's operational air quality impacts and greenhouse gas emissions will primarily consist of emissions from the relatively low number of worker trips and other vehicles used for occasional deliveries and other site visits. Overall, given the role of energy storage in State and regional planning for reduced pollutant and GHG emissions, the emission reductions that can be achieved with the Project's additional storage capacity for renewable energy can be expected to exceed Project operating emissions. Therefore, only emissions associated with construction of the Project were quantified. Battery energy storage is a key component of local, state and federal goals for reducing reliance on fossil fueled electric generation to reduce pollutant and greenhouse gas emissions and help limit climate change. Considering this, Project operations can be expected to result in an overall reduction in pollutant and greenhouse gas emissions regionally and a net beneficial impact on air quality. The magnitude of the expected net reduction in emissions cannot be accurately determined and, therefore, has not been quantified.

Construction impacts were evaluated using the California Emissions Estimator Model (CalEEMod) Version 2022.1.1.30. CalEEMod is a computer model prepared for the California Air Pollution Control Officers Association which provides a uniform platform for government agencies, land use planners, and environmental professionals to estimate air quality and greenhouse gas impacts from land use development projects in California.

The Project construction schedule provided in Attachment 1 was used for estimating emissions associated with the Project construction. This data included construction phase duration, equipment utilized, and daily equipment operating hours. A five-day construction workweek was assumed. Emissions from vehicle trips were estimated using default CalEEMod vendor and hauling trip lengths and vehicle class data in combination with Project specific estimated onsite truck trip lengths and vehicle trip data (employee/vendor/hauling trips to the site) which is also provided in Attachment 1. Limiting onsite vehicle speeds on unpaved roads to 25 miles per hour was used assuming site safety protocols are unlikely to allow any higher speeds on the construction site. Watering of exposed surfaces, active demolition sites, and onsite hauling routes two times per day was assumed as a conservative minimum for consistency with SCAQMD Rule 403 requirements to minimize regional and localized particulate matter impacts. Additional details regarding the CalEEMod modeling can be found in The CalEEMod Summary Report provided as Attachment 2.

Emissions that will occur from decommissioning at the end of the Project's expected 35-year life cannot be reliably estimated given the likely advances in equipment, emissions controls, and energy. It is reasonably foreseeable that they will be no more than those for construction.

Regional Impacts

The CalEEMod predicted emissions do not exceed any of the current SCAQMD Air Quality Significance Thresholds for construction as indicated in Table 1 below. Therefore, the Project will not result in significant adverse air quality impacts to the regional air quality in the SCAQMD.

Table 1 – Project Construction Regional Air Quality Impact Summary

Pollutant	SCAQMD Significance Threshold (lbs/day)*	Maximum Project Construction Emissions (lbs/day)**
Oxides of Nitrogen (NO _x)	100	21.5
Volatile Organic Chemicals (VOCs)	75	3.13
Particulate Matter (PM ₁₀)	150	3.86
Particulate Matter (PM _{2.5})	55	1.33
Sulfur Dioxide (SO ₂)	150	0.05
Carbon Monoxide (CO)	550	26.9

*SCAQMD, 2023

**With a Project site 25 mile per hour speed limit and watering of disturbed areas, unpaved onsite hauling routes, and active demolition sites twice daily.

The CalEEMod predicted total GHG emissions from the Project construction is 484 metric tonnes of carbon dioxide equivalent emissions (MTCO_{2e}). As previously stated, there is no official significance threshold for GHG emissions from construction projects. It should be noted that there is an interim SCAQMD GHG significance threshold of 3,000 MTCO_{2e}/yr for construction projects and the GHG impact for the Project is below this threshold even if both construction and decommissioning (968 MTCO_{2e}) are included. Long-term reduction in regional GHG emissions that would be expected from Project operations are expected to more than offset construction and decommissioning emissions, resulting in an overall net benefit in terms of GHG emission reduction.

Localized Impacts

As part of SCAQMD's environmental justice program there has been increased attention focused on localized effects of air quality. SCAQMD has developed localized significance threshold (LST) methodology and mass rate look-up tables by source receptor area (SRA) that can be used voluntarily to determine whether a project may generate significant adverse localized air quality impacts. Additionally, SCAQMD has developed specific guidance for projects evaluating construction impacts using CalEEMod. The LST methodology and mass rate look-up tables require completion of a few key steps. It should be noted that the CO and NO_x LSTs are generally not more stringent than the SCAQMD significance thresholds, while the PM_{2.5} and PM₁₀ LSTs are much more stringent, therefore TRC focused the LST evaluation on PM_{2.5} and PM₁₀ emissions (SCAQMD, 2008). The CO and NO_x LSTs are also included in Table 4. The LST methodology utilizes several key steps which are summarized below.

1. Determine maximum daily on-site total PM_{2.5} and PM₁₀ emissions (dust and exhaust) in pounds per day (lb/day):

TRC reviewed the CalEEMod mitigated onsite emissions report provide as Attachment 2 and determined that the maximum onsite PM_{2.5} and PM₁₀ emissions occur when the demolition and site preparation phases overlap. A summary of these emissions is provided in Table 2 below.

Table 2 – Maximum Daily Onsite PM_{2.5} and PM₁₀ Emissions

Phase	Total PM _{2.5} (lb/day)	Total PM ₁₀ (lb/day)
Demolition	0.55	2.84
Site Preparation	0.27	0.57
Total	0.82	3.41

2. *Determine the SRA of the Project:*

The SCAQMD is partitioned into smaller geographic areas called SRAs to help increase the accuracy of applicable LSTs by taking into consideration localized air quality characteristics. The Project is located in SRA number eleven (11) titled South San Gabriel Valley.

3. *Estimate the receptor distance:*

The nearest receptor to the Project fence line are the residences located approximately 30 meters to the south of the Project on Gale Avenue.

4. *Determine the maximum number of acres disturbed on the peak emissions day using the construction equipment in operation on the peak emissions day according to the following table from the CalEEMod Appendix:*

Table 3 – Maximum Disturbed Acres Per Equipment

Equipment Type	Acres/8hr-day
Crawler Tractors	0.5
Graders	0.5
Rubber Tired Dozers	0.5
Scrapers (Tractors/Loaders/Backhoes)*	1

*Tractors/loaders/backhoes are not included in the SCAQMD LST guidance equipment categories but are conservatively assumed to disturb the same area as a scraper

During the demolition and site preparation phase there are a maximum of two (2) crawler tractors and two (2) tractor/loader/backhoes in use per 8-hour day which results in an estimated maximum of 3 disturbed acres per day. There are no graders, rubber-tired dozers, or scrapers in use during the demolition or site preparation phases. The equipment is estimated to operate 6 hours per day; therefore, the daily maximum number of disturbed acres is 75% of the LST default resulting in a total of 2.25 acres.

Using the SRA, receptor distance, and LST lookup tables, the applicable LSTs were determined and are compared to the maximum onsite PM_{2.5} and PM₁₀ emissions in Table 4 below. The LST lookup tables are provided for 1, 2, and 5 maximum daily disturbed acres; therefore, the 2-acre lookup table was conservatively used.

Table 4 – Project Construction Localized Air Quality Impact Summary

Pollutant	SCAQMD LST (lbs/day)	Maximum Daily Onsite Emissions* (lbs/day)
PM ₁₀	7	3.41
PM _{2.5}	5	0.82
NO _x	121	21.5
CO	1,031	26.9

*Total Project daily maximums for NO_x and CO were conservatively used.

As can be seen from Table 4 the maximum daily onsite PM_{2.5} and PM₁₀ emissions are below the applicable SCAQMD LSTs, therefore no adverse localized air quality impacts are expected.

CEQA Thresholds Review

Air Quality

The Project will not conflict with or obstruct implementation of the applicable air quality plan:

The Project will be consistent with existing rules and measures contained in the SCAQMD 2022 Air Quality Management Plan (the 2022 Plan) via compliance with all applicable SCAQMD rules and regulations. The purpose of the 2022 Plan is to regulate long term emissions in accordance with population and infrastructure growth in SCAQMD. During construction activities requiring the use of heavy construction equipment, the Project would be required to adhere to existing SCAQMD rules and measures intended to reduce emissions of criteria pollutants. One of the key goals of the 2022 Plan is to meet the 2015 federal ozone standard which will require reducing emissions of NO_x (the key pollutant that creates ozone) by 67 percent more than is required by the current SCAQMD adopted rules and regulations. The primary way to achieve the required NO_x reductions is through replacing fossil fuel combustion with zero emission technologies. BESS facilities are an integral part of facilitating the growth of zero emission power generation technologies (SCAQMD 2022). Considering these factors, the Project will not conflict or obstruct implementation of the 2022 Plan and will support key goals of the Plan to support zero emission power generation in SCAQMD.

The Project will not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or State ambient air quality standard:

The predicted emissions from the Project do not exceed any of the current SCAQMD Air Quality Significance Thresholds for construction as indicated in Table 1. Therefore, the Project will not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or State ambient air quality standard. Furthermore, the Project is expected to contribute to pollutant emission reductions by providing storage capacity for intermittent renewable energy which will have a beneficial impact on reducing criteria pollutants. Accordingly, the no-project alternative would have a significant adverse impact on criteria pollutant emissions.

The Project will not expose sensitive receptors to substantial pollutant concentrations:

The LST analysis results presented in Table indicate that localized Project impacts will not exceed any applicable SCAQMD LST thresholds; therefore, the Project will not result in exposure of sensitive receptors to substantial pollutant concentrations.

The Project will not result in other emissions (such as those leading to odors) adversely affecting a substantial number of people:

No other emissions such as those leading to odors are expected from the Project.

Greenhouse Gas Emissions

The Project will not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing emissions of greenhouse gases:

The GHG emissions from the Project construction and decommissioning are temporary and minimal. With decommissioning included the Project's annual amortized GHG impact of 28 MTCO_{2e}/yr over the

35-year lifetime of the Project which is less than 1% of the current interim SCAQMD GHG significance threshold of 3,000 MTCO_{2e}/yr. Additionally, long-term reductions in regional GHG emissions that would be expected from Project operations supporting zero emission power generation technology are expected to more than offset construction and decommissioning emissions, resulting an overall net benefit in terms of GHG emission reduction. Therefore, the Project will not conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing emissions of greenhouse gases. Furthermore, because the Project is expected to contribute to GHG emission reductions by providing storage capacity for intermittent renewable energy, the no-project alternative could have a significant adverse impact on GHG emissions.

References

Los Angeles County Planning Department (LACPD). 2024, June. General Plan 2035. https://planning.lacounty.gov/wp-content/uploads/2023/03/gp_final-general-plan.pdf

South Coast Air Quality Management District (SCAQMD). 2022, December. 2022 Air Quality Management Plan. https://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2022-air-quality-management-plan/final-2022-aqmp/final-2022-aqmp.pdf?sfvrsn=edcebd61_16

South Coast Air Quality Management District (SCAQMD). 2005, May. Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning. <http://www.aqmd.gov/docs/default-source/planning/air-quality-guidance/complete-guidance-document.pdf>

South Coast Air Quality Management District (SCAQMD). 2008, July. Localized Significance Threshold Methodology. <https://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf>

South Coast Air Quality Management District (SCAQMD). 2023, March. South Coast AQMD Air Quality Significance Thresholds. <https://www.aqmd.gov/docs/default-source/ceqa/handbook/south-coast-aqmd-air-quality-significance-thresholds.pdf>

South Coast Air Quality Management District (SCAQMD). Fact Sheet for Applying CalEEMod to Localized Significance Thresholds. <https://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf>

Attachment 1: Construction Schedule and Vehicle Trip Project Data

Marici Energy Storage Project - Estimated Construction Schedule					
Construction Phase	Schedule	Equipment	Horsepower	Number	Hours/Day
Demolition Phase 1	Month 1	Aerial Lift	25	2	6
		Generator Set	60	1	6
		Water Truck ¹	180	1	2
		Skid Steer Loader	70	1	4
		Tractor/Loader/Backhoe	100	1	6
Demolition Phase 2	Month 2	Crawler Tractor	150	1	6
		Excavator	150	1	6
		Generator Set	60	1	6
		Water Truck ¹	180	1	2
		Skid Steer Loader	70	1	4
		Tractor/Loader/Backhoe	100	1	6
Demolition Phase 3	Month 3	Crawler Tractor	150	1	6
		Excavator	150	1	6
		Generator Set	60	1	6
		Water Truck ¹	180	1	2
		Skid Steer Loader	70	1	4
		Tractor/Loader/Backhoe	100	1	6
Site Prep	Month 4	Crawler Tractor	150	1	6
		Water Truck ¹	180	1	3
		Rubber Tire Loader	150	1	6
		Skid Steer Loader	70	1	4
		Tractor/Loader/Backhoe	100	1	6
Grading	Month 5	Crawler Tractor	150	1	6
		Grader	140	1	6
		Water Truck ¹	180	1	4
		Skid Steer Loader	70	1	4
		Tractor/Loader/Backhoe	100	1	4
Drilling	Month 6.5	Bore/Drill Rig	160	1	6
Foundations	Month 6-9	Forklift	60	1	4
		Generator Set	60	1	6
		Water Truck ¹	180	1	4
		Skid Steer Loader	70	1	4
		Tractor/Loader/Backhoe	100	1	6
Collector Substation Prep	Month 7-12	Aerial Lift	25	2	6
		Forklift	60	1	4
		Generator Set	60	1	6
Crane Work	Month 8	Crane	150	1	4
Equipment Installation	Month 8-11	Crane	150	1	6
		Forklift	60	1	4
		Generator Set	60	1	6
		Water Truck ¹	180	1	2
		Skid Steer Loader	70	1	4
		Tractor/Loader/Backhoe	100	1	2
		Pile Drivers ³	75	2	6
Trenching	Month 9-10	Plate Compactor	5	2	6
		Rubber Tire Loader	150	1	4
		Tractor/Loader/Backhoe	100	1	6
Tie Line Install	Month 12	Aerial Lift	25	2	4
Pave/Surface/Landscape	Month 12	Paving Equipment	150	1	6
		Roller	50	1	6
		Skid Steer Loader	70	1	6
		Tractor/Loader/Backhoe	100	1	6

¹Modeled as "other construction equipment"

²Modeled as "other material handling equipment"

³Modeled as "bore/drill rigs"

Marici Energy Storage Project - Vehicle Trip Estimates		
Construction Phase	Trip Type	# One-Way Trips/day ^{1,2}
Demolition (Phase 1-3)	Worker	40
	Vendor	12
	Hauling	28
	Onsite Truck	40
Site Prep	Worker	20
	Vendor	2
	Hauling	4
	Onsite Truck	6
Grading	Worker	20
	Vendor	6
	Hauling	14
	Onsite Truck	20
Drilling and Foundations	Worker	40
	Vendor	2
	Hauling	6
	Onsite Truck	8
Collector Substation Prep	Worker	36
	Vendor	2
	Hauling	4
	Onsite Truck	6
Crane Work and Equipment Installation	Worker	40
	Vendor	6
	Hauling	14
	Onsite Truck	20
Trenching	Worker	32
	Vendor	2
	Hauling	4
	Onsite Truck	6
Tie Line Install	Worker	20
	Vendor	2
	Hauling	0
	Onsite Truck	2
Pave/Surface/Landscape	Worker	40
	Vendor	16
	Hauling	32
	Onsite Truck	48

²Onsite truck trips were assumed to equal total vendor and hauling trips with trucks traveling half the approximate site or 0.07 miles per one way trip

Attachment 2: CalEEMod Report

Marici Custom Report

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5. Activity Data

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Marici
Construction Start Date	2/1/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	22.4
Location	34.008968516234575, -117.95141714827392
County	Los Angeles-South Coast
City	Industry
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	6812
EDFZ	7
Electric Utility	City of Industry
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
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General Heavy Industry	395	1000sqft	9.07	0.00	64,284	0.00	—	Battery energy storage facility consisting of 472 battery containers & 120 inverters
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1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads

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.	2.88	2.34	20.5	24.1	0.04	0.80	7.52	7.78	0.74	1.03	1.47	—	5,965	5,965	0.29	0.38	7.95	6,090
Mit.	2.88	2.34	20.5	24.1	0.04	0.80	3.56	3.82	0.74	0.59	1.21	—	5,965	5,965	0.29	0.38	7.95	6,090
% Reduced	—	—	—	—	—	—	53%	51%	—	43%	18%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.13	2.53	21.5	26.9	0.05	0.82	7.77	7.92	0.75	1.07	1.64	—	6,863	6,863	0.35	0.52	0.25	7,001
Mit.	3.13	2.53	21.5	26.9	0.05	0.82	3.72	3.86	0.75	0.61	1.33	—	6,863	6,863	0.35	0.52	0.25	7,001

% Reduced	—	—	—	—	—	—	52%	51%	—	43%	19%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.05	0.84	7.65	9.49	0.02	0.28	2.88	3.16	0.26	0.41	0.66	—	2,607	2,607	0.13	0.18	1.55	2,667
Mit.	1.05	0.84	7.65	9.49	0.02	0.28	1.39	1.67	0.26	0.25	0.51	—	2,607	2,607	0.13	0.18	1.55	2,667
% Reduced	—	—	—	—	—	—	52%	47%	—	39%	24%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.19	0.15	1.40	1.73	< 0.005	0.05	0.53	0.58	0.05	0.07	0.12	—	432	432	0.02	0.03	0.26	442
Mit.	0.19	0.15	1.40	1.73	< 0.005	0.05	0.25	0.30	0.05	0.05	0.09	—	432	432	0.02	0.03	0.26	442
% Reduced	—	—	—	—	—	—	52%	47%	—	39%	24%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.88	2.34	20.5	24.1	0.04	0.80	7.52	7.78	0.74	1.03	1.47	—	5,965	5,965	0.29	0.38	7.95	6,090
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.13	2.53	21.5	26.9	0.05	0.82	7.77	7.91	0.75	1.07	1.64	—	6,863	6,863	0.35	0.44	0.25	7,001
2027	1.85	1.42	14.2	15.7	0.04	0.50	7.42	7.92	0.46	1.00	1.46	—	5,346	5,346	0.26	0.52	0.24	5,508
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.05	0.84	7.65	9.49	0.02	0.28	2.88	3.16	0.26	0.41	0.66	—	2,607	2,607	0.13	0.18	1.55	2,667
2027	0.11	0.08	0.83	0.93	< 0.005	0.03	0.41	0.44	0.03	0.06	0.08	—	312	312	0.01	0.03	0.23	321

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.19	0.15	1.40	1.73	< 0.005	0.05	0.53	0.58	0.05	0.07	0.12	—	432	432	0.02	0.03	0.26	442
2027	0.02	0.02	0.15	0.17	< 0.005	0.01	0.07	0.08	< 0.005	0.01	0.01	—	51.6	51.6	< 0.005	< 0.005	0.04	53.2

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.88	2.34	20.5	24.1	0.04	0.80	3.56	3.82	0.74	0.59	1.21	—	5,965	5,965	0.29	0.38	7.95	6,090
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.13	2.53	21.5	26.9	0.05	0.82	3.72	3.86	0.75	0.61	1.33	—	6,863	6,863	0.35	0.44	0.25	7,001
2027	1.85	1.42	14.2	15.7	0.04	0.50	3.11	3.61	0.46	0.56	1.02	—	5,346	5,346	0.26	0.52	0.24	5,508
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.05	0.84	7.65	9.49	0.02	0.28	1.39	1.67	0.26	0.25	0.51	—	2,607	2,607	0.13	0.18	1.55	2,667
2027	0.11	0.08	0.83	0.93	< 0.005	0.03	0.17	0.20	0.03	0.03	0.06	—	312	312	0.01	0.03	0.23	321
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.19	0.15	1.40	1.73	< 0.005	0.05	0.25	0.30	0.05	0.05	0.09	—	432	432	0.02	0.03	0.26	442
2027	0.02	0.02	0.15	0.17	< 0.005	0.01	0.03	0.04	< 0.005	0.01	0.01	—	51.6	51.6	< 0.005	< 0.005	0.04	53.2

3. Construction Emissions Details

3.1. Phase 1 Demolition (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.40	4.20	5.54	0.01	0.12	—	0.12	0.11	—	0.11	—	1,009	1,009	0.04	0.01	—	1,012
Demolition	—	—	—	—	—	—	2.69	2.69	—	0.41	0.41	—	—	—	—	—	—	—
Onsite truck	0.05	0.02	0.59	0.44	< 0.005	< 0.005	4.12	4.12	< 0.005	0.41	0.41	—	77.4	77.4	0.03	0.01	< 0.005	81.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.23	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	55.3	55.3	< 0.005	< 0.005	—	55.5
Demolition	—	—	—	—	—	—	0.15	0.15	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.21	0.21	< 0.005	0.02	0.02	—	4.20	4.20	< 0.005	< 0.005	< 0.005	4.45
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.15	9.15	< 0.005	< 0.005	—	9.18
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	< 0.005	0.74
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.13	1.61	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	353	353	0.02	0.01	0.03	357
Vendor	0.02	0.01	0.36	0.18	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	287	287	0.01	0.04	0.02	300
Hauling	0.14	0.03	2.38	0.91	0.01	0.02	0.52	0.54	0.02	0.14	0.17	—	1,905	1,905	0.11	0.30	0.11	1,999
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.6	19.6	< 0.005	< 0.005	0.03	19.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.02	16.5
Hauling	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	104	104	0.01	0.02	0.10	110
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.25	3.25	< 0.005	< 0.005	< 0.005	3.29
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.61	2.61	< 0.005	< 0.005	< 0.005	2.72
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.02	18.1

3.2. Phase 1 Demolition (2026) - Mitigated

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 Equipm ent	0.49	0.40	4.20	5.54	0.01	0.12	—	0.12	0.11	—	0.11	—	1,009	1,009	0.04	0.01	—	1,012
Demoliti on	—	—	—	—	—	—	1.72	1.72	—	0.26	0.26	—	—	—	—	—	—	—
Onsite truck	0.05	0.02	0.59	0.44	< 0.005	< 0.005	1.04	1.04	< 0.005	0.10	0.10	—	77.4	77.4	0.03	0.01	< 0.005	81.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.03	0.02	0.23	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	55.3	55.3	< 0.005	< 0.005	—	55.5
Demoliti on	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	4.20	4.20	< 0.005	< 0.005	< 0.005	4.45
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.15	9.15	< 0.005	< 0.005	—	9.18
Demoliti on	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	< 0.005	0.74
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.13	1.61	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	353	353	0.02	0.01	0.03	357
Vendor	0.02	0.01	0.36	0.18	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	287	287	0.01	0.04	0.02	300

Hauling	0.14	0.03	2.38	0.91	0.01	0.02	0.52	0.54	0.02	0.14	0.17	—	1,905	1,905	0.11	0.30	0.11	1,999
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.6	19.6	< 0.005	< 0.005	0.03	19.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.02	16.5
Hauling	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	104	104	0.01	0.02	0.10	110
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.25	3.25	< 0.005	< 0.005	< 0.005	3.29
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.61	2.61	< 0.005	< 0.005	< 0.005	2.72
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.02	18.1

3.3. Phase 2 Demolition (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	0.72	6.45	9.96	0.02	0.26	—	0.26	0.24	—	0.24	—	1,736	1,736	0.07	0.01	—	1,742
Demolition	—	—	—	—	—	—	2.45	2.45	—	0.37	0.37	—	—	—	—	—	—	—
Onsite truck	0.05	0.02	0.59	0.44	< 0.005	< 0.005	4.12	4.12	< 0.005	0.41	0.41	—	77.4	77.4	0.03	0.01	< 0.005	81.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.05	0.04	0.39	0.60	< 0.005	0.02	—	0.02	0.01	—	0.01	—	105	105	< 0.005	< 0.005	—	105
Demolition	—	—	—	—	—	—	0.15	0.15	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	0.23	0.23	< 0.005	0.02	0.02	—	4.62	4.62	< 0.005	< 0.005	< 0.005	4.90
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.3	17.3	< 0.005	< 0.005	—	17.4
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	0.77	0.77	< 0.005	< 0.005	< 0.005	0.81
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.13	1.61	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	353	353	0.02	0.01	0.03	357
Vendor	0.02	0.01	0.36	0.18	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	287	287	0.01	0.04	0.02	300
Hauling	0.14	0.03	2.38	0.91	0.01	0.02	0.52	0.54	0.02	0.14	0.17	—	1,905	1,905	0.11	0.30	0.11	1,999
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.03	21.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.02	18.1
Hauling	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	115	115	0.01	0.02	0.11	121
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.87	2.87	< 0.005	< 0.005	< 0.005	3.00

Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.0	19.0	< 0.005	< 0.005	0.02	20.0
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3.4. Phase 2 Demolition (2026) - Mitigated

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	0.86	0.72	6.45	9.96	0.02	0.26	—	0.26	0.24	—	0.24	—	1,736	1,736	0.07	0.01	—	1,742
Demolition	—	—	—	—	—	—	1.57	1.57	—	0.24	0.24	—	—	—	—	—	—	—
Onsite truck	0.05	0.02	0.59	0.44	< 0.005	< 0.005	1.04	1.04	< 0.005	0.10	0.10	—	77.4	77.4	0.03	0.01	< 0.005	81.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.39	0.60	< 0.005	0.02	—	0.02	0.01	—	0.01	—	105	105	< 0.005	< 0.005	—	105
Demolition	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	—	4.62	4.62	< 0.005	< 0.005	< 0.005	4.90
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.3	17.3	< 0.005	< 0.005	—	17.4

Demoliti	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.77	0.77	< 0.005	< 0.005	< 0.005	0.81
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.13	1.61	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	353	353	0.02	0.01	0.03	357
Vendor	0.02	0.01	0.36	0.18	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	287	287	0.01	0.04	0.02	300
Hauling	0.14	0.03	2.38	0.91	0.01	0.02	0.52	0.54	0.02	0.14	0.17	—	1,905	1,905	0.11	0.30	0.11	1,999
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.03	21.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.02	18.1
Hauling	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	115	115	0.01	0.02	0.11	121
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.87	2.87	< 0.005	< 0.005	< 0.005	3.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.0	19.0	< 0.005	< 0.005	0.02	20.0

3.5. Phase 3 Demolition (2026) - Unmitigated

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

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

Off-Road	0.70	0.59	5.13	8.50	0.01	0.23	—	0.23	0.21	—	0.21	—	1,514	1,514	0.06	0.01	—	1,519
Demolition	—	—	—	—	—	—	2.45	2.45	—	0.37	0.37	—	—	—	—	—	—	—
Onsite truck	0.06	0.03	0.57	0.43	< 0.005	< 0.005	4.12	4.12	< 0.005	0.41	0.41	—	76.2	76.2	0.03	0.01	0.02	80.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.31	0.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	91.2	91.2	< 0.005	< 0.005	—	91.6
Demolition	—	—	—	—	—	—	0.15	0.15	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	0.23	0.23	< 0.005	0.02	0.02	—	4.62	4.62	< 0.005	< 0.005	< 0.005	4.90
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.1	15.1	< 0.005	< 0.005	—	15.2
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	0.77	0.77	< 0.005	< 0.005	< 0.005	0.81
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.11	1.85	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	372	372	0.02	0.01	1.25	378
Vendor	0.02	0.01	0.34	0.17	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	287	287	0.01	0.04	0.77	301
Hauling	0.14	0.03	2.29	0.90	0.01	0.02	0.52	0.54	0.02	0.14	0.17	—	1,905	1,905	0.11	0.30	4.27	2,002

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.03	21.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.02	18.1
Hauling	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	115	115	0.01	0.02	0.11	121
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.87	2.87	< 0.005	< 0.005	< 0.005	3.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.0	19.0	< 0.005	< 0.005	0.02	20.0

3.6. Phase 3 Demolition (2026) - Mitigated

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	0.70	0.59	5.13	8.50	0.01	0.23	—	0.23	0.21	—	0.21	—	1,514	1,514	0.06	0.01	—	1,519
Demolition	—	—	—	—	—	—	1.57	1.57	—	0.24	0.24	—	—	—	—	—	—	—
Onsite truck	0.06	0.03	0.57	0.43	< 0.005	< 0.005	1.04	1.04	< 0.005	0.10	0.10	—	76.2	76.2	0.03	0.01	0.02	80.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04	0.04	0.31	0.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	91.2	91.2	< 0.005	< 0.005	—	91.6
Demolition	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	—	4.62	4.62	< 0.005	< 0.005	< 0.005	4.90
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.1	15.1	< 0.005	< 0.005	—	15.2
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.77	0.77	< 0.005	< 0.005	< 0.005	0.81
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.11	1.85	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	372	372	0.02	0.01	1.25	378
Vendor	0.02	0.01	0.34	0.17	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	287	287	0.01	0.04	0.77	301
Hauling	0.14	0.03	2.29	0.90	0.01	0.02	0.52	0.54	0.02	0.14	0.17	—	1,905	1,905	0.11	0.30	4.27	2,002
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.03	21.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.02	18.1
Hauling	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	115	115	0.01	0.02	0.11	121
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.87	2.87	< 0.005	< 0.005	< 0.005	3.00

Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.0	19.0	< 0.005	< 0.005	0.02	20.0
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3.7. Site Preparation (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	0.60	5.05	8.03	0.01	0.25	—	0.25	0.23	—	0.23	—	1,469	1,469	0.06	0.01	—	1,474
Dust From Material Movement	—	—	—	—	—	—	0.40	0.40	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.08	0.06	< 0.005	< 0.005	0.62	0.62	< 0.005	0.06	0.06	—	11.4	11.4	< 0.005	< 0.005	< 0.005	12.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.29	0.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	84.5	84.5	< 0.005	< 0.005	—	84.8
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.70
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 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	—	0.11	0.11	< 0.005	< 0.005	< 0.005	0.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.93	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	186	186	0.01	0.01	0.63	189
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.9	47.9	< 0.005	0.01	0.13	50.1
Hauling	0.02	< 0.005	0.33	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	272	272	0.02	0.04	0.61	286
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	—	10.3	10.3	< 0.005	< 0.005	0.02	10.4
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.76	2.76	< 0.005	< 0.005	< 0.005	2.88
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.02	16.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.70	1.70	< 0.005	< 0.005	< 0.005	1.73
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.48
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.59	2.59	< 0.005	< 0.005	< 0.005	2.72

3.8. Site Preparation (2026) - Mitigated

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	0.71	0.60	5.05	8.03	0.01	0.25	—	0.25	0.23	—	0.23	—	1,469	1,469	0.06	0.01	—	1,474
Dust From Material Movement	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.08	0.06	< 0.005	< 0.005	0.16	0.16	< 0.005	0.02	0.02	—	11.4	11.4	< 0.005	< 0.005	< 0.005	12.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.29	0.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	84.5	84.5	< 0.005	< 0.005	—	84.8
Dust From Material Movement	—	—	—	—	—	—	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	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.70
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.0	14.0	< 0.005	< 0.005	—	14.0
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 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	—	0.11	0.11	< 0.005	< 0.005	< 0.005	0.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.93	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	186	186	0.01	0.01	0.63	189
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.9	47.9	< 0.005	0.01	0.13	50.1
Hauling	0.02	< 0.005	0.33	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	272	272	0.02	0.04	0.61	286
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	—	10.3	10.3	< 0.005	< 0.005	0.02	10.4
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.76	2.76	< 0.005	< 0.005	< 0.005	2.88
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.02	16.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.70	1.70	< 0.005	< 0.005	< 0.005	1.73
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.48
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.59	2.59	< 0.005	< 0.005	< 0.005	2.72

3.9. Drilling (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 Equipm ent	0.12	0.10	0.75	2.50	< 0.005	0.03	—	0.03	0.03	—	0.03	—	449	449	0.02	< 0.005	—	450
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	< 0.005	< 0.005	0.03	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.0	16.0	< 0.005	< 0.005	—	16.0
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.64	2.64	< 0.005	< 0.005	—	2.65
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	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

3.10. Drilling (2026) - Mitigated

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	0.12	0.10	0.75	2.50	< 0.005	0.03	—	0.03	0.03	—	0.03	—	449	449	0.02	< 0.005	—	450

Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.0	16.0	< 0.005	< 0.005	—	16.0
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.64	2.64	< 0.005	< 0.005	—	2.65
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	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

3.11. Grading (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.13	7.98	0.01	0.31	—	0.31	0.28	—	0.28	—	1,498	1,498	0.06	0.01	—	1,503
Dust From Material Movement	—	—	—	—	—	—	0.80	0.80	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.03	0.01	0.28	0.21	< 0.005	< 0.005	2.06	2.06	< 0.005	0.21	0.21	—	38.1	38.1	0.01	0.01	0.01	40.4

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.05	0.04	0.37	0.48	< 0.005	0.02	—	0.02	0.02	—	0.02	—	90.3	90.3	< 0.005	< 0.005	—	90.6
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	—	2.31	2.31	< 0.005	< 0.005	< 0.005	2.45
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.0	15.0	< 0.005	< 0.005	—	15.0
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 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	—	0.38	0.38	< 0.005	< 0.005	< 0.005	0.41
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.93	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	186	186	0.01	0.01	0.63	189
Vendor	0.01	< 0.005	0.17	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	144	144	0.01	0.02	0.38	150
Hauling	0.07	0.02	1.15	0.45	0.01	0.01	0.26	0.27	0.01	0.07	0.08	—	952	952	0.05	0.15	2.14	1,001
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	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.66	8.66	< 0.005	< 0.005	0.01	9.05
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	57.4	57.4	< 0.005	0.01	0.06	60.3
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	—	1.43	1.43	< 0.005	< 0.005	< 0.005	1.50
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.50	9.50	< 0.005	< 0.005	0.01	9.98

3.12. Grading (2026) - Mitigated

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	0.82	0.69	6.13	7.98	0.01	0.31	—	0.31	0.28	—	0.28	—	1,498	1,498	0.06	0.01	—	1,503
Dust From Material Movement	—	—	—	—	—	—	0.31	0.31	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.03	0.01	0.28	0.21	< 0.005	< 0.005	0.52	0.52	< 0.005	0.05	0.05	—	38.1	38.1	0.01	0.01	0.01	40.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.05	0.04	0.37	0.48	< 0.005	0.02	—	0.02	0.02	—	0.02	—	90.3	90.3	< 0.005	< 0.005	—	90.6
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	2.31	2.31	< 0.005	< 0.005	< 0.005	2.45
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.0	15.0	< 0.005	< 0.005	—	15.0
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 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	—	0.38	0.38	< 0.005	< 0.005	< 0.005	0.41
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.93	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	186	186	0.01	0.01	0.63	189
Vendor	0.01	< 0.005	0.17	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	144	144	0.01	0.02	0.38	150
Hauling	0.07	0.02	1.15	0.45	0.01	0.01	0.26	0.27	0.01	0.07	0.08	—	952	952	0.05	0.15	2.14	1,001
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	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.66	8.66	< 0.005	< 0.005	0.01	9.05
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	57.4	57.4	< 0.005	0.01	0.06	60.3
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	—	1.43	1.43	< 0.005	< 0.005	< 0.005	1.50
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.50	9.50	< 0.005	< 0.005	0.01	9.98

3.13. Foundation (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	0.80	0.67	5.98	6.32	0.01	0.26	—	0.26	0.24	—	0.24	—	1,162	1,162	0.05	0.01	—	1,166
Onsite truck	0.01	0.01	0.11	0.09	< 0.005	< 0.005	0.82	0.82	< 0.005	0.08	0.08	—	15.2	15.2	0.01	< 0.005	< 0.005	16.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	5.98	6.32	0.01	0.26	—	0.26	0.24	—	0.24	—	1,162	1,162	0.05	0.01	—	1,166
Onsite truck	0.01	< 0.005	0.12	0.09	< 0.005	< 0.005	0.82	0.82	< 0.005	0.08	0.08	—	15.5	15.5	0.01	< 0.005	< 0.005	16.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.44	1.52	< 0.005	0.06	—	0.06	0.06	—	0.06	—	280	280	0.01	< 0.005	—	281
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.19	0.19	< 0.005	0.02	0.02	—	3.70	3.70	< 0.005	< 0.005	< 0.005	3.92

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.26	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	46.4	46.4	< 0.005	< 0.005	—	46.5
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.61	0.61	< 0.005	< 0.005	< 0.005	0.65
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.11	1.85	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	372	372	0.02	0.01	1.25	378
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.9	47.9	< 0.005	0.01	0.13	50.1
Hauling	0.03	0.01	0.49	0.19	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	408	408	0.02	0.07	0.92	429
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.13	1.61	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	353	353	0.02	0.01	0.03	357
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.9	47.9	< 0.005	0.01	< 0.005	50.0
Hauling	0.03	0.01	0.51	0.20	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	408	408	0.02	0.07	0.02	428
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.41	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	86.3	86.3	< 0.005	< 0.005	0.13	87.5
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.5	11.5	< 0.005	< 0.005	0.01	12.1
Hauling	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	98.4	98.4	0.01	0.02	0.09	103
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.3	14.3	< 0.005	< 0.005	0.02	14.5
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.91	1.91	< 0.005	< 0.005	< 0.005	2.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.02	17.1

3.14. Foundation (2026) - Mitigated

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 Equipm ent	0.80	0.67	5.98	6.32	0.01	0.26	—	0.26	0.24	—	0.24	—	1,162	1,162	0.05	0.01	—	1,166
Onsite truck	0.01	0.01	0.11	0.09	< 0.005	< 0.005	0.21	0.21	< 0.005	0.02	0.02	—	15.2	15.2	0.01	< 0.005	< 0.005	16.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.80	0.67	5.98	6.32	0.01	0.26	—	0.26	0.24	—	0.24	—	1,162	1,162	0.05	0.01	—	1,166
Onsite truck	0.01	< 0.005	0.12	0.09	< 0.005	< 0.005	0.21	0.21	< 0.005	0.02	0.02	—	15.5	15.5	0.01	< 0.005	< 0.005	16.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.19	0.16	1.44	1.52	< 0.005	0.06	—	0.06	0.06	—	0.06	—	280	280	0.01	< 0.005	—	281
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	< 0.005	< 0.005	—	3.70	3.70	< 0.005	< 0.005	< 0.005	3.92
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.04	0.03	0.26	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	46.4	46.4	< 0.005	< 0.005	—	46.5
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.61	0.61	< 0.005	< 0.005	< 0.005	0.65

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.11	1.85	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	372	372	0.02	0.01	1.25	378
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.9	47.9	< 0.005	0.01	0.13	50.1
Hauling	0.03	0.01	0.49	0.19	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	408	408	0.02	0.07	0.92	429
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.13	1.61	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	353	353	0.02	0.01	0.03	357
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.9	47.9	< 0.005	0.01	< 0.005	50.0
Hauling	0.03	0.01	0.51	0.20	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	408	408	0.02	0.07	0.02	428
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.41	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	86.3	86.3	< 0.005	< 0.005	0.13	87.5
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.5	11.5	< 0.005	< 0.005	0.01	12.1
Hauling	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	98.4	98.4	0.01	0.02	0.09	103
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.3	14.3	< 0.005	< 0.005	0.02	14.5
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.91	1.91	< 0.005	< 0.005	< 0.005	2.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.02	17.1

3.15. Substation Crane Work (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	0.15	0.12	1.13	1.28	< 0.005	0.06	—	0.06	0.06	—	0.06	—	203	203	0.01	< 0.005	—	204
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	0.07	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.2	12.2	< 0.005	< 0.005	—	12.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.02	2.02	< 0.005	< 0.005	—	2.03
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	0.00	0.00	0.00	0.00	0.00	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

3.16. Substation Crane Work (2026) - Mitigated

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	0.15	0.12	1.13	1.28	< 0.005	0.06	—	0.06	0.06	—	0.06	—	203	203	0.01	< 0.005	—	204
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	0.07	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.2	12.2	< 0.005	< 0.005	—	12.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.02	2.02	< 0.005	< 0.005	—	2.03
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	0.00	0.00	0.00	0.00	0.00	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. Equipment Install (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	0.82	0.69	6.34	6.40	0.01	0.29	—	0.29	0.27	—	0.27	—	1,076	1,076	0.04	0.01	—	1,080
Onsite truck	0.03	0.01	0.28	0.21	< 0.005	< 0.005	2.06	2.06	< 0.005	0.21	0.21	—	38.1	38.1	0.01	0.01	0.01	40.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.34	6.40	0.01	0.29	—	0.29	0.27	—	0.27	—	1,076	1,076	0.04	0.01	—	1,080
Onsite truck	0.03	0.01	0.30	0.22	< 0.005	< 0.005	2.06	2.06	< 0.005	0.21	0.21	—	38.7	38.7	0.01	0.01	< 0.005	41.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.53	1.54	< 0.005	0.07	—	0.07	0.07	—	0.07	—	259	259	0.01	< 0.005	—	260
Onsite truck	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	0.47	0.47	< 0.005	0.05	0.05	—	9.25	9.25	< 0.005	< 0.005	< 0.005	9.80
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.0	43.0	< 0.005	< 0.005	—	43.1
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	—	1.53	1.53	< 0.005	< 0.005	< 0.005	1.62
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.11	1.85	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	372	372	0.02	0.01	1.25	378
Vendor	0.01	< 0.005	0.17	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	144	144	0.01	0.02	0.38	150
Hauling	0.07	0.02	1.15	0.45	0.01	0.01	0.26	0.27	0.01	0.07	0.08	—	952	952	0.05	0.15	2.14	1,001

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.13	1.61	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	353	353	0.02	0.01	0.03	357
Vendor	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	144	144	0.01	0.02	0.01	150
Hauling	0.07	0.01	1.19	0.46	0.01	0.01	0.26	0.27	0.01	0.07	0.08	—	953	953	0.05	0.15	0.06	999
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.41	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	86.3	86.3	< 0.005	< 0.005	0.13	87.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.6	34.6	< 0.005	< 0.005	0.04	36.2
Hauling	0.02	< 0.005	0.29	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	230	230	0.01	0.04	0.22	241
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.3	14.3	< 0.005	< 0.005	0.02	14.5
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.73	5.73	< 0.005	< 0.005	0.01	5.99
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38.0	38.0	< 0.005	0.01	0.04	39.9

3.18. Equipment Install (2026) - Mitigated

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	0.82	0.69	6.34	6.40	0.01	0.29	—	0.29	0.27	—	0.27	—	1,076	1,076	0.04	0.01	—	1,080
Onsite truck	0.03	0.01	0.28	0.21	< 0.005	< 0.005	0.52	0.52	< 0.005	0.05	0.05	—	38.1	38.1	0.01	0.01	0.01	40.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.82	0.69	6.34	6.40	0.01	0.29	—	0.29	0.27	—	0.27	—	1,076	1,076	0.04	0.01	—	1,080
Onsite truck	0.03	0.01	0.30	0.22	< 0.005	< 0.005	0.52	0.52	< 0.005	0.05	0.05	—	38.7	38.7	0.01	0.01	< 0.005	41.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.53	1.54	< 0.005	0.07	—	0.07	0.07	—	0.07	—	259	259	0.01	< 0.005	—	260
Onsite truck	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	—	9.25	9.25	< 0.005	< 0.005	< 0.005	9.80
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.0	43.0	< 0.005	< 0.005	—	43.1
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	1.53	1.53	< 0.005	< 0.005	< 0.005	1.62
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.11	1.85	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	372	372	0.02	0.01	1.25	378
Vendor	0.01	< 0.005	0.17	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	144	144	0.01	0.02	0.38	150
Hauling	0.07	0.02	1.15	0.45	0.01	0.01	0.26	0.27	0.01	0.07	0.08	—	952	952	0.05	0.15	2.14	1,001
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.13	1.61	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	353	353	0.02	0.01	0.03	357
Vendor	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	144	144	0.01	0.02	0.01	150
Hauling	0.07	0.01	1.19	0.46	0.01	0.01	0.26	0.27	0.01	0.07	0.08	—	953	953	0.05	0.15	0.06	999
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.03	0.03	0.41	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	86.3	86.3	< 0.005	< 0.005	0.13	87.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.6	34.6	< 0.005	< 0.005	0.04	36.2
Hauling	0.02	< 0.005	0.29	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	230	230	0.01	0.04	0.22	241
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.3	14.3	< 0.005	< 0.005	0.02	14.5
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.73	5.73	< 0.005	< 0.005	0.01	5.99
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38.0	38.0	< 0.005	0.01	0.04	39.9

3.19. Tie Line Install (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.39	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	80.2	80.2	< 0.005	< 0.005	—	80.5
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.21	0.21	< 0.005	0.02	0.02	—	3.81	3.81	< 0.005	< 0.005	< 0.005	4.04
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.62	4.62	< 0.005	< 0.005	—	4.63
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.22	0.22	< 0.005	< 0.005	< 0.005	0.23
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.76	0.76	< 0.005	< 0.005	—	0.77
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.75	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	173	173	< 0.005	0.01	0.01	175
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.0	47.0	< 0.005	0.01	< 0.005	49.0
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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.1	10.1	< 0.005	< 0.005	0.01	10.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.70	2.70	< 0.005	< 0.005	< 0.005	2.82
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	—	1.67	1.67	< 0.005	< 0.005	< 0.005	1.69
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.47
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

3.20. Tie Line Install (2027) - Mitigated

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	0.02	0.02	0.39	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	80.2	80.2	< 0.005	< 0.005	—	80.5
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	3.81	3.81	< 0.005	< 0.005	< 0.005	4.04
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.62	4.62	< 0.005	< 0.005	—	4.63
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.22	0.22	< 0.005	< 0.005	< 0.005	0.23
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.76	0.76	< 0.005	< 0.005	—	0.77
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.75	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	173	173	< 0.005	0.01	0.01	175
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.0	47.0	< 0.005	0.01	< 0.005	49.0
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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.1	10.1	< 0.005	< 0.005	0.01	10.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.70	2.70	< 0.005	< 0.005	< 0.005	2.82
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	—	1.67	1.67	< 0.005	< 0.005	< 0.005	1.69
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.47
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. Collector/SubStation Prep (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	0.49	0.41	3.97	3.41	0.01	0.16	—	0.16	0.15	—	0.15	—	509	509	0.02	< 0.005	—	511
Onsite truck	0.01	< 0.005	0.08	0.06	< 0.005	< 0.005	0.62	0.62	< 0.005	0.06	0.06	—	11.4	11.4	< 0.005	< 0.005	< 0.005	12.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.97	3.41	0.01	0.16	—	0.16	0.15	—	0.15	—	509	509	0.02	< 0.005	—	511
Onsite truck	0.01	< 0.005	0.09	0.07	< 0.005	< 0.005	0.62	0.62	< 0.005	0.06	0.06	—	11.6	11.6	< 0.005	< 0.005	< 0.005	12.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.15	0.12	1.19	1.02	< 0.005	0.05	—	0.05	0.04	—	0.04	—	152	152	0.01	< 0.005	—	153
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	—	3.44	3.44	< 0.005	< 0.005	< 0.005	3.65
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.2	25.2	< 0.005	< 0.005	—	25.3
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	< 0.005	0.60
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.67	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	335	335	0.02	0.01	1.13	340
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.9	47.9	< 0.005	0.01	0.13	50.1
Hauling	0.02	< 0.005	0.33	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	272	272	0.02	0.04	0.61	286
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.11	1.45	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	317	317	0.02	0.01	0.03	322
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.9	47.9	< 0.005	0.01	< 0.005	50.0
Hauling	0.02	< 0.005	0.34	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	272	272	0.02	0.04	0.02	286
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.45	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	96.4	96.4	< 0.005	< 0.005	0.15	97.8
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	< 0.005	< 0.005	0.02	15.0
Hauling	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	81.5	81.5	< 0.005	0.01	0.08	85.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.0	16.0	< 0.005	< 0.005	0.02	16.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.37	2.37	< 0.005	< 0.005	< 0.005	2.48

Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.5	13.5	< 0.005	< 0.005	0.01	14.2
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3.22. Collector/SubStation Prep (2026) - Mitigated

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	0.49	0.41	3.97	3.41	0.01	0.16	—	0.16	0.15	—	0.15	—	509	509	0.02	< 0.005	—	511
Onsite truck	0.01	< 0.005	0.08	0.06	< 0.005	< 0.005	0.16	0.16	< 0.005	0.02	0.02	—	11.4	11.4	< 0.005	< 0.005	< 0.005	12.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.97	3.41	0.01	0.16	—	0.16	0.15	—	0.15	—	509	509	0.02	< 0.005	—	511
Onsite truck	0.01	< 0.005	0.09	0.07	< 0.005	< 0.005	0.16	0.16	< 0.005	0.02	0.02	—	11.6	11.6	< 0.005	< 0.005	< 0.005	12.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.19	1.02	< 0.005	0.05	—	0.05	0.04	—	0.04	—	152	152	0.01	< 0.005	—	153
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	< 0.005	3.65
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.03	0.02	0.22	0.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.2	25.2	< 0.005	< 0.005	—	25.3
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	< 0.005	0.60
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.67	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	335	335	0.02	0.01	1.13	340
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.9	47.9	< 0.005	0.01	0.13	50.1
Hauling	0.02	< 0.005	0.33	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	272	272	0.02	0.04	0.61	286
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.11	1.45	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	317	317	0.02	0.01	0.03	322
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.9	47.9	< 0.005	0.01	< 0.005	50.0
Hauling	0.02	< 0.005	0.34	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	272	272	0.02	0.04	0.02	286
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.45	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	96.4	96.4	< 0.005	< 0.005	0.15	97.8
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	< 0.005	< 0.005	0.02	15.0
Hauling	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	81.5	81.5	< 0.005	0.01	0.08	85.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.0	16.0	< 0.005	< 0.005	0.02	16.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.37	2.37	< 0.005	< 0.005	< 0.005	2.48
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.5	13.5	< 0.005	< 0.005	0.01	14.2

3.23. Collector/SubStation Prep (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.35	0.29	3.27	3.27	0.01	0.09	—	0.09	0.09	—	0.09	—	510	510	0.02	< 0.005	—	512
Onsite truck	0.01	< 0.005	0.09	0.07	< 0.005	< 0.005	0.62	0.62	< 0.005	0.06	0.06	—	11.4	11.4	< 0.005	< 0.005	< 0.005	12.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.02	0.02	0.20	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	30.9	30.9	< 0.005	< 0.005	—	31.0
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	0.69	0.69	< 0.005	< 0.005	< 0.005	0.73
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.12	5.12	< 0.005	< 0.005	—	5.14
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.11	0.11	< 0.005	< 0.005	< 0.005	0.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.11	1.34	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	311	311	0.01	0.01	0.03	315

Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.0	47.0	< 0.005	0.01	< 0.005	49.0
Hauling	0.02	< 0.005	0.33	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	267	267	0.01	0.04	0.01	280
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.2	19.2	< 0.005	< 0.005	0.03	19.4
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.85	2.85	< 0.005	< 0.005	< 0.005	2.97
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.2	16.2	< 0.005	< 0.005	0.01	17.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.17	3.17	< 0.005	< 0.005	< 0.005	3.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.47	0.47	< 0.005	< 0.005	< 0.005	0.49
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.68	2.68	< 0.005	< 0.005	< 0.005	2.81

3.24. Collector/SubStation Prep (2027) - Mitigated

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	0.35	0.29	3.27	3.27	0.01	0.09	—	0.09	0.09	—	0.09	—	510	510	0.02	< 0.005	—	512
Onsite truck	0.01	< 0.005	0.09	0.07	< 0.005	< 0.005	0.16	0.16	< 0.005	0.02	0.02	—	11.4	11.4	< 0.005	< 0.005	< 0.005	12.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.02	0.02	0.20	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	30.9	30.9	< 0.005	< 0.005	—	31.0
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.69	0.69	< 0.005	< 0.005	< 0.005	0.73
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.12	5.12	< 0.005	< 0.005	—	5.14
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.11	0.11	< 0.005	< 0.005	< 0.005	0.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.11	1.34	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	311	311	0.01	0.01	0.03	315
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.0	47.0	< 0.005	0.01	< 0.005	49.0
Hauling	0.02	< 0.005	0.33	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	267	267	0.01	0.04	0.01	280
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.2	19.2	< 0.005	< 0.005	0.03	19.4
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.85	2.85	< 0.005	< 0.005	< 0.005	2.97
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.2	16.2	< 0.005	< 0.005	0.01	17.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.17	3.17	< 0.005	< 0.005	< 0.005	3.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.47	0.47	< 0.005	< 0.005	< 0.005	0.49
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.68	2.68	< 0.005	< 0.005	< 0.005	2.81

3.25. Pave/Surface/Landscape (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	0.72	5.92	6.39	0.01	0.36	—	0.36	0.34	—	0.34	—	948	948	0.04	0.01	—	951
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.06	0.03	0.70	0.53	< 0.005	< 0.005	4.95	4.95	< 0.005	0.49	0.49	—	91.5	91.5	0.03	0.02	< 0.005	96.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.34	0.37	< 0.005	0.02	—	0.02	0.02	—	0.02	—	54.5	54.5	< 0.005	< 0.005	—	54.7
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	0.27	0.27	< 0.005	0.03	0.03	—	5.22	5.22	< 0.005	< 0.005	< 0.005	5.51
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.03	9.03	< 0.005	< 0.005	—	9.06
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.05	0.05	< 0.005	< 0.005	< 0.005	—	0.86	0.86	< 0.005	< 0.005	< 0.005	0.91

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.13	1.49	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	346	346	0.01	0.01	0.03	350
Vendor	0.03	0.01	0.45	0.22	< 0.005	< 0.005	0.10	0.11	< 0.005	0.03	0.03	—	376	376	0.02	0.05	0.03	392
Hauling	0.15	0.03	2.63	1.01	0.01	0.03	0.59	0.62	0.03	0.16	0.19	—	2,134	2,134	0.11	0.35	0.12	2,241
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	20.2	20.2	< 0.005	< 0.005	0.03	20.5
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.02	22.6
Hauling	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	123	123	0.01	0.02	0.11	129
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.34	3.34	< 0.005	< 0.005	< 0.005	3.39
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.58	3.58	< 0.005	< 0.005	< 0.005	3.74
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.3	20.3	< 0.005	< 0.005	0.02	21.4

3.26. Pave/Surface/Landscape (2027) - Mitigated

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 Equipm	0.86	0.72	5.92	6.39	0.01	0.36	—	0.36	0.34	—	0.34	—	948	948	0.04	0.01	—	951
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.06	0.03	0.70	0.53	< 0.005	< 0.005	1.25	1.25	< 0.005	0.12	0.12	—	91.5	91.5	0.03	0.02	< 0.005	96.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.05	0.04	0.34	0.37	< 0.005	0.02	—	0.02	0.02	—	0.02	—	54.5	54.5	< 0.005	< 0.005	—	54.7
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	5.22	5.22	< 0.005	< 0.005	< 0.005	5.51
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.01	0.01	0.06	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.03	9.03	< 0.005	< 0.005	—	9.06
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.86	0.86	< 0.005	< 0.005	< 0.005	0.91
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.13	1.49	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	346	346	0.01	0.01	0.03	350
Vendor	0.03	0.01	0.45	0.22	< 0.005	< 0.005	0.10	0.11	< 0.005	0.03	0.03	—	376	376	0.02	0.05	0.03	392
Hauling	0.15	0.03	2.63	1.01	0.01	0.03	0.59	0.62	0.03	0.16	0.19	—	2,134	2,134	0.11	0.35	0.12	2,241
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	20.2	20.2	< 0.005	< 0.005	0.03	20.5
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.02	22.6
Hauling	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	123	123	0.01	0.02	0.11	129
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.34	3.34	< 0.005	< 0.005	< 0.005	3.39
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.58	3.58	< 0.005	< 0.005	< 0.005	3.74
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.3	20.3	< 0.005	< 0.005	0.02	21.4

3.27. Trenching (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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.43	3.28	0.01	0.07	—	0.07	0.06	—	0.06	—	541	541	0.02	< 0.005	—	542
Onsite truck	0.01	< 0.005	0.09	0.07	< 0.005	< 0.005	0.62	0.62	< 0.005	0.06	0.06	—	11.6	11.6	< 0.005	< 0.005	< 0.005	12.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.17	0.39	< 0.005	0.01	—	0.01	0.01	—	0.01	—	63.7	63.7	< 0.005	< 0.005	—	63.9
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	1.36	1.36	< 0.005	< 0.005	< 0.005	1.44
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	< 0.005	0.03	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.5	10.5	< 0.005	< 0.005	—	10.6
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.22	0.22	< 0.005	< 0.005	< 0.005	0.24
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.10	1.29	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	282	282	0.01	0.01	0.03	286
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.9	47.9	< 0.005	0.01	< 0.005	50.0
Hauling	0.02	< 0.005	0.34	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	272	272	0.02	0.04	0.02	286
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	33.7	33.7	< 0.005	< 0.005	0.05	34.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.64	5.64	< 0.005	< 0.005	0.01	5.90
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32.1	32.1	< 0.005	0.01	0.03	33.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.58	5.58	< 0.005	< 0.005	0.01	5.66
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.93	0.93	< 0.005	< 0.005	< 0.005	0.98
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.31	5.31	< 0.005	< 0.005	0.01	5.57

3.28. Trenching (2026) - Mitigated

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	0.25	0.21	1.43	3.28	0.01	0.07	—	0.07	0.06	—	0.06	—	541	541	0.02	< 0.005	—	542
Onsite truck	0.01	< 0.005	0.09	0.07	< 0.005	< 0.005	0.16	0.16	< 0.005	0.02	0.02	—	11.6	11.6	< 0.005	< 0.005	< 0.005	12.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.17	0.39	< 0.005	0.01	—	0.01	0.01	—	0.01	—	63.7	63.7	< 0.005	< 0.005	—	63.9
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	1.36	1.36	< 0.005	< 0.005	< 0.005	1.44
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.5	10.5	< 0.005	< 0.005	—	10.6
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.22	0.22	< 0.005	< 0.005	< 0.005	0.24
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.10	1.29	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	282	282	0.01	0.01	0.03	286
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47.9	47.9	< 0.005	0.01	< 0.005	50.0
Hauling	0.02	< 0.005	0.34	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	272	272	0.02	0.04	0.02	286
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	33.7	33.7	< 0.005	< 0.005	0.05	34.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.64	5.64	< 0.005	< 0.005	0.01	5.90
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32.1	32.1	< 0.005	0.01	0.03	33.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.58	5.58	< 0.005	< 0.005	0.01	5.66
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.93	0.93	< 0.005	< 0.005	< 0.005	0.98
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.31	5.31	< 0.005	< 0.005	0.01	5.57

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Phase 1 Demolition	Demolition	2/1/2026	2/28/2026	5.00	20.0	—
Phase 2 Demolition	Demolition	3/1/2026	3/31/2026	5.00	22.0	—
Phase 3 Demolition	Demolition	4/1/2026	4/30/2026	5.00	22.0	—
Site Preparation	Site Preparation	5/1/2026	5/31/2026	5.00	21.0	—
Drilling	Site Preparation	7/1/2026	7/19/2026	5.00	13.0	—
Grading	Grading	6/1/2026	6/30/2026	5.00	22.0	—
Foundation	Building Construction	7/1/2026	10/31/2026	5.00	88.0	—
Substation Crane Work	Building Construction	9/1/2026	9/30/2026	5.00	22.0	—
Equipment Install	Building Construction	9/1/2026	12/31/2026	5.00	88.0	—
Tie Line Install	Building Construction	1/1/2027	1/31/2027	5.00	21.0	—
Collector/SubStation Prep	Building Construction	8/1/2026	1/31/2027	5.00	130	—
Pave/Surface/Landscape	Paving	1/1/2027	1/31/2027	5.00	21.0	—
Trenching	Trenching	10/1/2026	11/30/2026	5.00	43.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Phase 1 Demolition	Aerial Lifts	Diesel	Average	2.00	6.00	25.0	0.31
Phase 1 Demolition	Generator Sets	Diesel	Average	1.00	6.00	60.0	0.74
Phase 1 Demolition	Other Construction Equipment	Diesel	Average	1.00	2.00	180	0.42
Phase 1 Demolition	Skid Steer Loaders	Diesel	Average	1.00	4.00	70.0	0.37
Phase 1 Demolition	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	100	0.37
Phase 2 Demolition	Crawler Tractors	Diesel	Average	1.00	6.00	150	0.43
Phase 2 Demolition	Excavators	Diesel	Average	1.00	6.00	150	0.38
Phase 2 Demolition	Generator Sets	Diesel	Average	1.00	6.00	60.0	0.74
Phase 2 Demolition	Other Construction Equipment	Diesel	Average	1.00	2.00	180	0.42
Phase 2 Demolition	Skid Steer Loaders	Diesel	Average	1.00	4.00	70.0	0.37
Phase 2 Demolition	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	100	0.37
Phase 3 Demolition	Crawler Tractors	Diesel	Average	1.00	6.00	150	0.43
Phase 3 Demolition	Excavators	Diesel	Average	1.00	6.00	150	0.38
Phase 3 Demolition	Generator Sets	Diesel	Average	1.00	2.00	60.0	0.74
Phase 3 Demolition	Other Construction Equipment	Diesel	Average	1.00	2.00	180	0.42
Phase 3 Demolition	Skid Steer Loaders	Diesel	Average	1.00	4.00	70.0	0.37
Phase 3 Demolition	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	100	0.37
Site Preparation	Crawler Tractors	Diesel	Average	1.00	6.00	150	0.43
Site Preparation	Other Construction Equipment	Diesel	Average	1.00	3.00	180	0.42
Site Preparation	Rubber Tired Loaders	Diesel	Average	1.00	6.00	150	0.36
Site Preparation	Skid Steer Loaders	Diesel	Average	1.00	4.00	70.0	0.37

Site Preparation	Tractors/Loaders/Back	Diesel	Average	1.00	6.00	100	0.37
Drilling	Bore/Drill Rigs	Diesel	Average	1.00	6.00	160	0.40
Grading	Crawler Tractors	Diesel	Average	1.00	6.00	150	0.43
Grading	Graders	Diesel	Average	1.00	6.00	140	0.41
Grading	Other Construction Equipment	Diesel	Average	1.00	4.00	180	0.42
Grading	Skid Steer Loaders	Diesel	Average	1.00	4.00	70.0	0.37
Grading	Tractors/Loaders/Back hoes	Diesel	Average	1.00	4.00	100	0.37
Foundation	Forklifts	Diesel	Average	1.00	4.00	60.0	0.20
Foundation	Generator Sets	Diesel	Average	1.00	6.00	60.0	0.74
Foundation	Other Construction Equipment	Diesel	Average	1.00	4.00	180	0.42
Foundation	Other Material Handling Equipment	Diesel	Average	1.00	2.00	40.0	0.40
Foundation	Skid Steer Loaders	Diesel	Average	1.00	4.00	70.0	0.37
Foundation	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	100	0.37
Substation Crane Work	Cranes	Diesel	Average	1.00	4.00	150	0.29
Equipment Install	Cranes	Diesel	Average	1.00	6.00	150	0.29
Equipment Install	Forklifts	Diesel	Average	1.00	4.00	60.0	0.20
Equipment Install	Generator Sets	Diesel	Average	1.00	6.00	60.0	0.74
Equipment Install	Other Construction Equipment	Diesel	Average	1.00	2.00	180	0.42
Equipment Install	Skid Steer Loaders	Diesel	Average	1.00	4.00	70.0	0.37
Equipment Install	Tractors/Loaders/Back hoes	Diesel	Average	1.00	2.00	100	0.37
Equipment Install	Bore/Drill Rigs	Diesel	Average	2.00	6.00	75.0	0.50
Tie Line Install	Aerial Lifts	Diesel	Average	2.00	4.00	25.0	0.31
Collector/SubStation Prep	Aerial Lifts	Diesel	Average	2.00	6.00	25.0	0.31

Collector/SubStation Prep	Generator Sets	Diesel	Average	1.00	6.00	60.0	0.74
Collector/SubStation Prep	Forklifts	Diesel	Average	1.00	4.00	60.0	0.20
Pave/Surface/Landscape	Paving Equipment	Diesel	Average	1.00	6.00	150	0.36
Pave/Surface/Landscape	Rollers	Diesel	Average	1.00	6.00	50.0	0.38
Pave/Surface/Landscape	Skid Steer Loaders	Diesel	Average	1.00	6.00	70.0	0.37
Pave/Surface/Landscape	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	100	0.37
Trenching	Plate Compactors	Diesel	Average	2.00	6.00	5.00	0.43
Trenching	Rubber Tired Loaders	Diesel	Average	1.00	4.00	150	0.36
Trenching	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	100	0.37

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Phase 1 Demolition	Aerial Lifts	Diesel	Average	2.00	6.00	25.0	0.31
Phase 1 Demolition	Generator Sets	Diesel	Average	1.00	6.00	60.0	0.74
Phase 1 Demolition	Other Construction Equipment	Diesel	Average	1.00	2.00	180	0.42
Phase 1 Demolition	Skid Steer Loaders	Diesel	Average	1.00	4.00	70.0	0.37
Phase 1 Demolition	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	100	0.37
Phase 2 Demolition	Crawler Tractors	Diesel	Average	1.00	6.00	150	0.43
Phase 2 Demolition	Excavators	Diesel	Average	1.00	6.00	150	0.38
Phase 2 Demolition	Generator Sets	Diesel	Average	1.00	6.00	60.0	0.74
Phase 2 Demolition	Other Construction Equipment	Diesel	Average	1.00	2.00	180	0.42
Phase 2 Demolition	Skid Steer Loaders	Diesel	Average	1.00	4.00	70.0	0.37

Phase 2 Demolition	Tractors/Loaders/Back	Diesel	Average	1.00	6.00	100	0.37
Phase 3 Demolition	Crawler Tractors	Diesel	Average	1.00	6.00	150	0.43
Phase 3 Demolition	Excavators	Diesel	Average	1.00	6.00	150	0.38
Phase 3 Demolition	Generator Sets	Diesel	Average	1.00	2.00	60.0	0.74
Phase 3 Demolition	Other Construction Equipment	Diesel	Average	1.00	2.00	180	0.42
Phase 3 Demolition	Skid Steer Loaders	Diesel	Average	1.00	4.00	70.0	0.37
Phase 3 Demolition	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	100	0.37
Site Preparation	Crawler Tractors	Diesel	Average	1.00	6.00	150	0.43
Site Preparation	Other Construction Equipment	Diesel	Average	1.00	3.00	180	0.42
Site Preparation	Rubber Tired Loaders	Diesel	Average	1.00	6.00	150	0.36
Site Preparation	Skid Steer Loaders	Diesel	Average	1.00	4.00	70.0	0.37
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	100	0.37
Drilling	Bore/Drill Rigs	Diesel	Average	1.00	6.00	160	0.40
Grading	Crawler Tractors	Diesel	Average	1.00	6.00	150	0.43
Grading	Graders	Diesel	Average	1.00	6.00	140	0.41
Grading	Other Construction Equipment	Diesel	Average	1.00	4.00	180	0.42
Grading	Skid Steer Loaders	Diesel	Average	1.00	4.00	70.0	0.37
Grading	Tractors/Loaders/Back hoes	Diesel	Average	1.00	4.00	100	0.37
Foundation	Forklifts	Diesel	Average	1.00	4.00	60.0	0.20
Foundation	Generator Sets	Diesel	Average	1.00	6.00	60.0	0.74
Foundation	Other Construction Equipment	Diesel	Average	1.00	4.00	180	0.42
Foundation	Other Material Handling Equipment	Diesel	Average	1.00	2.00	40.0	0.40
Foundation	Skid Steer Loaders	Diesel	Average	1.00	4.00	70.0	0.37

Foundation	Tractors/Loaders/Back	Diesel	Average	1.00	6.00	100	0.37
Substation Crane Work	Cranes	Diesel	Average	1.00	4.00	150	0.29
Equipment Install	Cranes	Diesel	Average	1.00	6.00	150	0.29
Equipment Install	Forklifts	Diesel	Average	1.00	4.00	60.0	0.20
Equipment Install	Generator Sets	Diesel	Average	1.00	6.00	60.0	0.74
Equipment Install	Other Construction Equipment	Diesel	Average	1.00	2.00	180	0.42
Equipment Install	Skid Steer Loaders	Diesel	Average	1.00	4.00	70.0	0.37
Equipment Install	Tractors/Loaders/Back hoes	Diesel	Average	1.00	2.00	100	0.37
Equipment Install	Bore/Drill Rigs	Diesel	Average	2.00	6.00	75.0	0.50
Tie Line Install	Aerial Lifts	Diesel	Average	2.00	4.00	25.0	0.31
Collector/SubStation Prep	Aerial Lifts	Diesel	Average	2.00	6.00	25.0	0.31
Collector/SubStation Prep	Generator Sets	Diesel	Average	1.00	6.00	60.0	0.74
Collector/SubStation Prep	Forklifts	Diesel	Average	1.00	4.00	60.0	0.20
Pave/Surface/Landscape	Paving Equipment	Diesel	Average	1.00	6.00	150	0.36
Pave/Surface/Landscape	Rollers	Diesel	Average	1.00	6.00	50.0	0.38
Pave/Surface/Landscape	Skid Steer Loaders	Diesel	Average	1.00	6.00	70.0	0.37
Pave/Surface/Landscape	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	100	0.37
Trenching	Plate Compactors	Diesel	Average	2.00	6.00	5.00	0.43
Trenching	Rubber Tired Loaders	Diesel	Average	1.00	4.00	150	0.36
Trenching	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	100	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Phase 1 Demolition	—	—	—	—
Phase 1 Demolition	Worker	40.0	12.6	LDA,LDT1,LDT2
Phase 1 Demolition	Vendor	12.0	7.75	HHDT,MHDT
Phase 1 Demolition	Hauling	28.0	20.0	HHDT
Phase 1 Demolition	Onsite truck	40.0	0.07	HHDT
Phase 2 Demolition	—	—	—	—
Phase 2 Demolition	Worker	40.0	12.6	LDA,LDT1,LDT2
Phase 2 Demolition	Vendor	12.0	7.75	HHDT,MHDT
Phase 2 Demolition	Hauling	28.0	20.0	HHDT
Phase 2 Demolition	Onsite truck	40.0	0.07	HHDT
Phase 3 Demolition	—	—	—	—
Phase 3 Demolition	Worker	40.0	12.6	LDA,LDT1,LDT2
Phase 3 Demolition	Vendor	12.0	7.75	HHDT,MHDT
Phase 3 Demolition	Hauling	28.0	20.0	HHDT
Phase 3 Demolition	Onsite truck	40.0	0.07	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	20.0	12.6	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	7.75	HHDT,MHDT
Site Preparation	Hauling	4.00	20.0	HHDT
Site Preparation	Onsite truck	6.00	0.07	HHDT
Drilling	—	—	—	—
Drilling	Worker	0.00	0.00	LDA,LDT1,LDT2
Drilling	Vendor	0.00	0.00	HHDT,MHDT
Drilling	Hauling	0.00	0.00	HHDT

Drilling	Onsite truck	0.00	0.00	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	12.6	LDA,LDT1,LDT2
Grading	Vendor	6.00	7.75	HHDT,MHDT
Grading	Hauling	14.0	20.0	HHDT
Grading	Onsite truck	20.0	0.07	HHDT
Foundation	—	—	—	—
Foundation	Worker	40.0	12.6	LDA,LDT1,LDT2
Foundation	Vendor	2.00	7.75	HHDT,MHDT
Foundation	Hauling	6.00	20.0	HHDT
Foundation	Onsite truck	8.00	0.07	HHDT
Substation Crane Work	—	—	—	—
Substation Crane Work	Worker	0.00	0.00	LDA,LDT1,LDT2
Substation Crane Work	Vendor	0.00	0.00	HHDT,MHDT
Substation Crane Work	Hauling	0.00	0.00	HHDT
Substation Crane Work	Onsite truck	0.00	0.00	HHDT
Equipment Install	—	—	—	—
Equipment Install	Worker	40.0	12.6	LDA,LDT1,LDT2
Equipment Install	Vendor	6.00	7.75	HHDT,MHDT
Equipment Install	Hauling	14.0	20.0	HHDT
Equipment Install	Onsite truck	20.0	0.07	HHDT
Tie Line Install	—	—	—	—
Tie Line Install	Worker	20.0	12.6	LDA,LDT1,LDT2
Tie Line Install	Vendor	2.00	7.75	HHDT,MHDT
Tie Line Install	Hauling	0.00	0.00	HHDT
Tie Line Install	Onsite truck	2.00	0.07	HHDT
Collector/SubStation Prep	—	—	—	—
Collector/SubStation Prep	Worker	36.0	12.6	LDA,LDT1,LDT2

Collector/SubStation Prep	Vendor	2.00	7.75	HHDT,MHDT
Collector/SubStation Prep	Hauling	4.00	20.0	HHDT
Collector/SubStation Prep	Onsite truck	6.00	0.07	HHDT
Pave/Surface/Landscape	—	—	—	—
Pave/Surface/Landscape	Worker	40.0	12.6	LDA,LDT1,LDT2
Pave/Surface/Landscape	Vendor	16.0	7.75	HHDT,MHDT
Pave/Surface/Landscape	Hauling	32.0	20.0	HHDT
Pave/Surface/Landscape	Onsite truck	48.0	0.07	HHDT
Trenching	—	—	—	—
Trenching	Worker	32.0	12.6	LDA,LDT1,LDT2
Trenching	Vendor	2.00	7.75	HHDT,MHDT
Trenching	Hauling	4.00	20.0	HHDT
Trenching	Onsite truck	6.00	0.07	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Phase 1 Demolition	—	—	—	—
Phase 1 Demolition	Worker	40.0	12.6	LDA,LDT1,LDT2
Phase 1 Demolition	Vendor	12.0	7.75	HHDT,MHDT
Phase 1 Demolition	Hauling	28.0	20.0	HHDT
Phase 1 Demolition	Onsite truck	40.0	0.07	HHDT
Phase 2 Demolition	—	—	—	—
Phase 2 Demolition	Worker	40.0	12.6	LDA,LDT1,LDT2
Phase 2 Demolition	Vendor	12.0	7.75	HHDT,MHDT
Phase 2 Demolition	Hauling	28.0	20.0	HHDT
Phase 2 Demolition	Onsite truck	40.0	0.07	HHDT
Phase 3 Demolition	—	—	—	—
Phase 3 Demolition	Worker	40.0	12.6	LDA,LDT1,LDT2

Phase 3 Demolition	Vendor	12.0	7.75	HHDT,MHDT
Phase 3 Demolition	Hauling	28.0	20.0	HHDT
Phase 3 Demolition	Onsite truck	40.0	0.07	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	20.0	12.6	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	7.75	HHDT,MHDT
Site Preparation	Hauling	4.00	20.0	HHDT
Site Preparation	Onsite truck	6.00	0.07	HHDT
Drilling	—	—	—	—
Drilling	Worker	0.00	0.00	LDA,LDT1,LDT2
Drilling	Vendor	0.00	0.00	HHDT,MHDT
Drilling	Hauling	0.00	0.00	HHDT
Drilling	Onsite truck	0.00	0.00	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	12.6	LDA,LDT1,LDT2
Grading	Vendor	6.00	7.75	HHDT,MHDT
Grading	Hauling	14.0	20.0	HHDT
Grading	Onsite truck	20.0	0.07	HHDT
Foundation	—	—	—	—
Foundation	Worker	40.0	12.6	LDA,LDT1,LDT2
Foundation	Vendor	2.00	7.75	HHDT,MHDT
Foundation	Hauling	6.00	20.0	HHDT
Foundation	Onsite truck	8.00	0.07	HHDT
Substation Crane Work	—	—	—	—
Substation Crane Work	Worker	0.00	0.00	LDA,LDT1,LDT2
Substation Crane Work	Vendor	0.00	0.00	HHDT,MHDT
Substation Crane Work	Hauling	0.00	0.00	HHDT
Substation Crane Work	Onsite truck	0.00	0.00	HHDT

Equipment Install	—	—	—	—
Equipment Install	Worker	40.0	12.6	LDA,LDT1,LDT2
Equipment Install	Vendor	6.00	7.75	HHDT,MHDT
Equipment Install	Hauling	14.0	20.0	HHDT
Equipment Install	Onsite truck	20.0	0.07	HHDT
Tie Line Install	—	—	—	—
Tie Line Install	Worker	20.0	12.6	LDA,LDT1,LDT2
Tie Line Install	Vendor	2.00	7.75	HHDT,MHDT
Tie Line Install	Hauling	0.00	0.00	HHDT
Tie Line Install	Onsite truck	2.00	0.07	HHDT
Collector/SubStation Prep	—	—	—	—
Collector/SubStation Prep	Worker	36.0	12.6	LDA,LDT1,LDT2
Collector/SubStation Prep	Vendor	2.00	7.75	HHDT,MHDT
Collector/SubStation Prep	Hauling	4.00	20.0	HHDT
Collector/SubStation Prep	Onsite truck	6.00	0.07	HHDT
Pave/Surface/Landscape	—	—	—	—
Pave/Surface/Landscape	Worker	40.0	12.6	LDA,LDT1,LDT2
Pave/Surface/Landscape	Vendor	16.0	7.75	HHDT,MHDT
Pave/Surface/Landscape	Hauling	32.0	20.0	HHDT
Pave/Surface/Landscape	Onsite truck	48.0	0.07	HHDT
Trenching	—	—	—	—
Trenching	Worker	32.0	12.6	LDA,LDT1,LDT2
Trenching	Vendor	2.00	7.75	HHDT,MHDT
Trenching	Hauling	4.00	20.0	HHDT
Trenching	Onsite truck	6.00	0.07	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)
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5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Phase 1 Demolition	0.00	0.00	0.00	55,334	—
Phase 2 Demolition	0.00	0.00	0.00	55,334	—
Phase 3 Demolition	0.00	0.00	0.00	55,334	—
Site Preparation	0.00	0.00	8.25	0.00	—
Drilling	0.00	0.00	0.00	0.00	—
Grading	0.00	0.00	50.6	0.00	—
Pave/Surface/Landscape	0.00	0.00	0.00	0.00	1.37

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Heavy Industry	1.37	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	453	0.03	< 0.005
2027	0.00	453	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification
Land Use	Project specific parameters used.
Construction: Off-Road Equipment	Project specific parameters used
Construction: Construction Phases	Project specific data used.
Construction: Dust From Material Movement	Project specific data used.
Construction: Trips and VMT	Project specific data used.
Construction: Paving	Project specific data used.