
Appendix 1-C

Air Quality and Greenhouse Gas Emissions Analysis – Avocado Site

October 10, 2025

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Re: Ventura Compressor Station Modernization Project (A.23-08-019) – Data Request #1
Subject: Air Quality and Greenhouse Gas Emissions Analysis of the Avocado Site Alternative

Dear Ms. Freund:

A Proponent's Environmental Assessment (PEA) and formal application (A.23-08-019) for a Certificate of Public Convenience and Necessity (CPCN) was submitted to the California Public Utilities Commission (CPUC) for SoCalGas's Ventura Compressor Station Modernization Project (Proposed Project or VCM Project) in August 2023. In January 2025, the CPUC sent Data Request (DR) #1 to SoCalGas requesting additional information pertaining to the three site alternatives to the Proposed Project considered in the PEA Section 6, Comparison of Alternatives. The three site alternatives identified by SoCalGas are Avocado Site, Devil's Canyon Road Site, and Ventura Steel Site.

Yorke Engineering, LLC (Yorke) was requested to respond to the first bullet of the following request:

DR 1.3: Air Quality, Greenhouse Gases, and Energy

For each of the three site alternatives, please include the following information:

- Please provide emission calculations to quantify the changes in air pollutants and greenhouse gas (GHG) emissions stemming from construction of the site alternatives, as they may differ from those of the Proposed Project (e.g., due to additional site preparation or grading).

A separate report has been prepared by Yorke for each alternative site. This report analyzes impacts from air quality and GHG emissions related to construction of the Avocado Site Alternative. The criteria pollutants and GHG emissions of this site are compared to those of the Proposed Project to show how they differ. However, the emissions modeling for the Proposed Project and the alternative sites have several key limitations and differences that limit the value of the comparison, including:

- *Design Development Level:* The preliminary engineering developed to address this data request is at approximately 5% completion, whereas the Proposed Project has been designed to approximately 15%. This disparity in design detail limits the accuracy of emissions estimates for the alternatives.
- *Site Access Limitations:* Due to lack of access to the alternative sites, site-specific information needed for site preparation, remediation, and engineering design activities for

these alternative site locations has been restricted, which limits the accuracy of emissions estimates for the alternatives. The approach to preliminary engineering design and environmental assessment included:

- Developing designs using insights derived exclusively from desktop-level analysis;
 - Utilizing publicly available information from city, county, and state records; and
 - Using Geographic Information System (GIS) software to generate data reports that may include information such as potential utility conflicts, geotechnical information, constructability, and pipeline routing options to and from each alternative site.
- *Modeling Tool Version Differences:* The Proposed Project was modeled using a prior version of CalEEMod. CalEEMod is updated frequently (there have been 30 minor updates since a major update in 2022) to incorporate fixes to the model, new information such as emission factors, and updated regulatory emissions reduction requirements. New regulatory requirements typically mean that emissions estimates using a newer version would be lower than emissions estimates using an older version due to these regulatory updates, and not due to project design or scope. Note, because CalEEMod is run on-line, it is not possible to use older versions after updates are made.
- *Construction Timing Assumptions:* In the PEA, the Proposed Project was anticipated to begin construction in 2029, and the emissions estimates for the Proposed Project have not been updated for this response. Due to the time needed for the PEA review process, including the time to deem the application complete, a 2029 start date may no longer be possible. In addition to CalEEMod version updates described above, since many regulatory programs only apply to new equipment after certain date(s), the emissions reductions only kick-in gradually as a result of assumed equipment fleet turnover, so are dependent on when the construction is assumed to start. For these reasons, the emissions estimate for the Proposed Project should be conservative since a later start date would reflect lower emissions when using newer CalEEMod versions that include revised regulatory requirements.

Construction of the Avocado Site Alternative has been estimated to start in 2034. The construction start dates for the alternative sites are also uncertain, since the time needed for additional property and right-of-way acquisition, site remediation, and engineering design could vary from what has been assumed due to the design development level and site access uncertainties described above. Emissions comparison of the Proposed Project to the alternative site would vary since the schedule for construction activities could vary for both.

While the results are not a like-for-like comparison due to differences in assumptions and data availability, they provide a means for evaluating and comparing the Proposed Project and the alternative sites. The analyses were completed using the best available data and professional judgment to provide the most timely and informative results possible under the circumstances.

1.0 AVOCADO SITE BACKGROUND

The Avocado Site is located 3,000 feet west of the existing Ventura Compressor Station property on the existing gas transmission pipeline corridor. The Avocado Site itself is undeveloped hillside terrain adjacent to an avocado orchard and would require substantial grading to be suitable for development.

The Avocado Site is remote, and access to the site is through an existing unpaved agricultural road that would require widening, re-grading, and paving to meet Ventura County Fire Department standards. It is assumed that no utility connections are available, such as access to the existing City of Ventura (City) water main and sewer lines. The nearest electrical interconnection is through an existing Southern California Edison (SCE) Grandad 16 kilovolt circuit.

The Avocado Site Alternative consists of (1) installing two new 1,900 horsepower (HP) natural gas compressors and two new 2,500 nominal HP electric compressors, (2) erecting a new 10,458-square-foot compressor building; (3) erecting a new 4,641-square-foot permanent office building; (4) erecting a new 5,459-square-foot warehouse; (5) installing a new 8-foot-tall perimeter block wall; (6) installing new gas pipeline system that would tie into the existing natural gas system pipelines; (7) installing new water and sewer lines beneath Taylor Ranch Road that would tie into existing facilities at West Main Street; and (8) installing aboveground approximately 17 new electrical poles from the existing SCE Grandad circuit to connect onsite to the proposed compressor station.

The Avocado Site Alternative would require substantial site preparation and infrastructure development to meet operational requirements.

Due to these factors, construction of a new compressor station at the Avocado Site would take place over a span of approximately six years, compared to less than four years for the construction of the Proposed Project.

2.0 AIR QUALITY EMISSIONS ANALYSIS

Like the Proposed Project, the criteria pollutant emissions used in air quality impact analysis for the alternative site were prepared in accordance with the Ventura County Air Pollution Control District's (VCAPCD's) Ventura County Air Quality Assessment Guidelines (VCAPCD Guidelines) (VCAPCD 2003).

2.1 Construction and Demolition Emissions Impacts Analyses

2.1.1 Construction/Demolition Emissions Calculation Methodology

The analysis of offroad construction emissions was performed using CalEEMod, the official statewide land use computer model designed to provide a uniform platform for estimating potential criteria pollutant and GHG emissions associated with construction of projects under the California Environmental Quality Act (CEQA). The current version (version 2022.1.1.30) of CalEEMod was used for this analysis, which is a newer version than was used for the Proposed Project (version 2022.1.1.19).

The CalEEMod input file from the Proposed Project was used as a starting point, after which the new phases were added, and the construction schedules were modified to reflect the project at the alternative site. Based on information received from SoCalGas, construction equipment type, quantity, and horsepower (HP) were applied to the new phases. The equipment type and quantity

and daily trip rates for the shared phases were kept the same, as they are expected to be similar to those in the Proposed Project¹. The land use size (square feet) and hauling material size (cubic yards) parameters were not altered since project-specific data—such as construction equipment specifications and daily trip rates—were provided, and these parameters are only adjusted when CalEEMod is required to generate default values. Trip mileage for all phases was modified to reflect the distance to the Avocado Site.

Generally, impacts of criteria pollutant emissions are analyzed within the local area or air basin, in this case within Ventura County. GHG emissions, on the other hand, are global impacts and are usually assessed anywhere within California for CEQA analyses. Therefore, the criteria pollutant emissions and GHG emissions from construction were estimated in separate CalEEMod runs. Furthermore, it was necessary to run CalEEMod twice for criteria pollutants, once for the individual phases and once for overlapping phases.

2.1.2 Alternative Site Construction and Demolition Description

The various inputs used for CalEEMod are discussed below. See the beginning of this report for additional information on the development of the construction information for the alternative sites.

A preliminary construction schedule for the Avocado Site Alternative is shown in Table 2-1. Construction of a new compressor station at the Avocado Site would take place over a span of approximately six years and has been broken into the following phases, with demolition of the existing equipment at the current site in Phase 12. Since this analysis is for comparison to the Proposed Project, the phase numbers for the phases common to both the Proposed Project and this alternative site were kept the same, and the additional phases were named uniquely as "A1", "A2," and so on, to clearly distinguish new activities while maintaining consistency across shared phases. The phases in *italics* (Phases 1–3) replace Phases 1–3 of the Proposed Project, reflecting updates to the scope and sequencing of early site development activities:

- | | |
|--|--|
| A1) Site Assessment | A3) Gas Pipeline Installation |
| A2) Soil Remediation | A4) Electrical Interconnect |
| 1) <i>Offsite Laydown Development & Facility Clearing, Grubbing, Initial Site Excavation</i> | 6) Equipment, Structural Steel & Building Erection, Piping |
| 2) <i>Road Widening & Utilities</i> | 7) Electrical & Instrumentation |
| 3) <i>Mass Excavation and Cut Disposal</i> | 8) Paving |
| 4) Foundations | 9) Painting/Insulation |
| 5) Trenching/Undergrounds | 10) Pre-Commissioning/Commissioning/Startup and Testing |
| | 11) Post Construction/Site Restoration |
| | 12) Decommission/Demolition |

¹ The compressor station at the alternative sites has not been designed/engineered to the same level as the proposed Project. SoCalGas estimates that the alternative sites are only at about a 5% engineering level.

Table 2-1: Avocado Site Alternative Preliminary Construction Schedule by Phase

Phase Number	Phase Description	Phase Start Date	Phase End Date	Work Days per Phase
A1	Site Assessment	7/3/2034	7/8/2034	4
A2	Soil Remediation	7/2/2035	7/30/2035	21
A3	Gas Pipeline Installation	7/2/2035	7/30/2035	21
A4	Electrical Interconnect	1/30/2036	3/31/2036	44
1	<i>Offsite Laydown Development & Facility Clearing, Grubbing, Initial Site Excavation</i>	7/2/2035	8/30/2035	44
2	<i>Road Widening & Utilities</i>	8/31/2035	6/11/2036	204
3	<i>Mass Excavation and Cut Disposal</i>	6/12/2036	1/20/2037	159
4	Foundations	1/21/2037	9/16/2037	171
5	Trenching/Undergrounds	8/17/2037	11/4/2037	58
6	Equipment, Structural Steel & Building Erection, Piping	5/22/2037	3/29/2038	222
7	Electrical & Instrumentation	2/26/2038	1/12/2039	229
8	Paving	1/13/2039	3/14/2039	43
9	Painting/Insulation	2/11/2039	4/11/2039	42
10	Commissioning/Startup and Testing	1/13/2039	6/21/2039	114
11 ¹	Post Construction/Site Restoration	6/22/2039	7/21/2039	22
12 ²	Decommission/Demolition	6/21/2040	9/24/2040	68

Notes:

1. No offroad equipment is expected to be used for Phase 11, however, approximately 50% of equipment hauling for demobilization will be taking place during Phase 11.
2. Decommission/Demolition is assumed to be completed approximately one year after the new replacement compressors are fully operational and would involve removal of the existing compressors at the current site.

The proposed list of offroad construction/demolition equipment for each individual phase is shown in Table 2-2. CalEEMod defaults were used for the offroad construction equipment load factor. CalEEMod defaults were also used for the HP of the electric and some diesel offroad equipment when the HP was not available. For equipment for which CalEEMod defaults were not available (i.e., Bore/Drill Rigs, Off-Highway Trucks, Skid Steer Loaders, and Aerial Lifts), a value of 8 hours per day was used. The CalEEMod run for the individual phases is provided in Attachment A.1.

As shown by the dates in Table 2-1, some of the construction phases will overlap. The criteria pollutant emissions of the overlapping phases were estimated in a separate CalEEMod run (Attachment A.2) to ensure that equipment that would remain onsite during the overlapping phases was not double (or triple) counted. The proposed list of offroad construction/demolition equipment for the overlapping phases is shown in Table 2-3.

Table 2-2: Avocado Site Offroad Construction Equipment Used for Individual Phases for CalEEMod Input

Phase Name		Equipment Type	HP ¹	No. per Day	Fuel Type ²	Hours Per Day ³	Load Factor ⁴
A1	Site Assessment (Site Preparation)	Tractors/Loaders/Backhoes	107	1	Diesel	[7]	0.37
A2	Soil Remediation (Site Preparation)	Excavators	346	1	Diesel	[8]	0.38
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	321	1	Diesel	[7]	0.37
		Generator Sets	49	1	Diesel	[8]	0.74
A3	Gas Pipeline Installation (Building Construction)	Excavators	346	1	Diesel	[8]	0.38
		Rubber Tired Dozers	363	1	Diesel	[8]	0.4
		Other Construction Equipment	319	2	Diesel	[8]	0.42
		Other Construction Equipment	109	1	Diesel	[8]	0.42
		Welders	24	3	Diesel	[8]	0.45
		Graders	250	1	Diesel	[8]	0.41
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	74	1	Diesel	[7]	0.37
A4	Electrical Interconnect (Building Construction)	Air Compressors	10	2	Diesel	[6]	0.48
		Forklifts	82	1	Diesel	[8]	0.2
		Generator Sets	49	2	Diesel	[8]	0.74
1	Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation (Site Preparation)	Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Graders	250	1	Diesel	[8]	0.41
		Rubber Tired Dozers	363	1	Diesel	[8]	0.4
		Rollers	125	1	Diesel	[8]	0.38
		Excavators	346	1	Diesel	[8]	0.38
		Tractors/Loaders/Backhoes	74	1	Diesel	[7]	0.37
2	Road Widening & Utilities (Building Construction)	Off-Highway Trucks	500	2	Diesel	(8)	0.29
		Excavators	346	2	Diesel	[8]	0.38
		Rubber Tired Dozers	363	1	Diesel	[8]	0.4
		Graders	250	1	Diesel	[8]	0.41
		Rollers	125	2	Diesel	[8]	0.38
		Tractors/Loaders/Backhoes	74	1	Diesel	[7]	0.37
		Plate Compactors	249	1	Diesel	[8]	0.43
		Pavers	173	1	Diesel	[8]	0.42
		Scrapers	570	6	Diesel	[8]	0.48
3	Mass Excavation and Cut Disposal (Trenching)	Tractors/Loaders/Backhoes	107	1	Diesel	[7]	0.37
		Excavators	45	1	Diesel	[8]	0.38
		Air Compressors	49	1	Diesel	[6]	0.48
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	180	1	Diesel	[7]	0.37
		Tractors/Loaders/Backhoes	321	1	Diesel	[7]	0.37

SoCalGas Ventura Compressor Station Modernization Project
Air Quality and Greenhouse Gas Emissions Analysis of Avocado Site Alternative

Phase Name		Equipment Type	HP ¹	No. per Day	Fuel Type ²	Hours Per Day ³	Load Factor ⁴
		Rubber Tired Dozers	125	1	Diesel	[8]	0.4
		Plate Compactors	249	1	Diesel	[8]	0.43
		Rollers	125	1	Diesel	[8]	0.38
		Excavators	346	2	Diesel	[8]	0.38
4	Foundations (Building Construction)	Air Compressors	10	1	Diesel	[6]	0.48
		Cranes	275	1	Diesel	[7]	0.29
		Excavators	45	1	Diesel	[8]	0.38
		Excavators	346	1	Diesel	[8]	0.38
		Forklifts	74	1	Diesel	[8]	0.2
		Forklifts	[82]	1	Electric	[8]	0.2
		Generator Sets	49	3	Diesel	[8]	0.74
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Rubber Tired Dozers	170	1	Diesel	[8]	0.4
		Tractors/Loaders/Backhoes	225	1	Diesel	[7]	0.37
		Tractors/Loaders/Backhoes	321	1	Diesel	[7]	0.37
		Tractors/Loaders/Backhoes	107	1	Diesel	[7]	0.37
		Welders	24	2	Diesel	[8]	0.45
5	Trenching/ Undergrounds (Trenching)	Pumps ⁵	[11]	2	Diesel	[8]	0.74
		Excavators	45	1	Diesel	[8]	0.38
6	Equipment, Structural Steel & Building Erection, Piping	Aerial Lifts	67	1	Diesel	(8)	0.31
		Aerial Lifts	[46]	5	Electric	(8)	0.31
		Air Compressors	49	1	Diesel	[6]	0.48
		Air Compressors	10	1	Diesel	[6]	0.48
		Cranes	200	1	Diesel	[7]	0.29
		Cranes	275	2	Diesel	[7]	0.29
		Excavators	45	1	Diesel	[8]	0.38
		Forklifts	[82]	1	Electric	[8]	0.2
		Forklifts	122	1	Diesel	[8]	0.2
		Forklifts	74	1	Diesel	[8]	0.2
		Generator Sets	49	3	Diesel	[8]	0.74
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	225	2	Diesel	[7]	0.37
		Welders	24	2	Diesel	[8]	0.45
		Welders	[46]	5	Electric	[8]	0.45
7	Electrical & Instrumentation (Building Construction)	Aerial Lifts	[46]	4	Electric	(8)	0.31
		Air Compressors	49	1	Diesel	[6]	0.48
		Air Compressors	10	2	Diesel	[6]	0.48
		Cranes	200	1	Diesel	[7]	0.29
		Cranes	275	2	Diesel	[7]	0.29
		Forklifts	[82]	1	Electric	[8]	0.2

SoCalGas Ventura Compressor Station Modernization Project
Air Quality and Greenhouse Gas Emissions Analysis of Avocado Site Alternative

Phase Name		Equipment Type	HP ¹	No. per Day	Fuel Type ²	Hours Per Day ³	Load Factor ⁴
		Forklifts	74	1	Diesel	[8]	0.2
		Generator Sets	49	3	Diesel	[8]	0.74
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	225	2	Diesel	[7]	0.37
		Welders	[46]	5	Electric	[8]	0.45
		Welders	24	2	Diesel	[8]	0.45
8	Paving (Paving)	Rollers	125	1	Diesel	[8]	0.38
9	Painting/ Insulation (Architectural Coating)	Air Compressors	10	1	Diesel	[6]	0.48
		Generator Sets	49	1	Diesel	[8]	0.74
10	Commissioning/ Startup and Testing (Building Construction)	Aerial Lifts	[46]	4	Electric	(8)	0.31
		Air Compressors	49	1	Diesel	[6]	0.48
		Cranes	275	1	Diesel	[7]	0.29
		Forklifts	74	1	Diesel	[8]	0.2
		Forklifts	[82]	1	Electric	[8]	0.2
		Generator Sets	49	3	Diesel	[8]	0.74
		Tractors/Loaders/Backhoes	225	2	Diesel	[7]	0.37
		Welders	[46]	3	Electric	[8]	0.45
		Welders	24	2	Diesel	[8]	0.45
12	Decommission/ Demolition (Demolition)	Concrete/Industrial Saws	33	1	Diesel	[8]	0.73
		Excavators	45	1	Diesel	[8]	0.38
		Aerial Lifts	[46]	4	Electric	(8)	0.31
		Air Compressors	49	1	Diesel	[6]	0.48
		Cranes	275	1	Diesel	[7]	0.29
		Forklifts	74	1	Diesel	[8]	0.2
		Forklifts	[82]	1	Electric	[8]	0.2
		Generator Sets	49	3	Diesel	[8]	0.74
		Tractors/Loaders/Backhoes	225	2	Diesel	[8]	0.37
		Welders	[46]	3	Electric	[8]	0.45
		Welders	24	2	Diesel	[8]	0.45

Notes:

1. Engine horsepower ratings in brackets are CalEEMod default values (version 2022.1.1.30).
2. All diesel engines are assumed to be EPA Tier 4 Final and Electric engines have an average electric mix.
3. Construction “Hours per Day” in brackets are CalEEMod default values. A value of 8 hours per day is used for equipment for which there are no project-specific or CalEEMod default values (i.e., Bore/Drill Rigs, Off-Highway Trucks, Skid Steer Loaders, and Aerial Lifts), and is shown in parentheses.
4. Engine load factors are CalEEMod default values (version 2022.1.1.30).
5. Pumps are conservatively modeled as diesel units in Phase 5 rather than as electric units in Phase 4 as planned for construction.
6. No offroad equipment is expected to be used for Phase 11, Site Restoration, so this phase is not included in this table.

Table 2-3: Avocado Site Offroad Construction Equipment Used for Overlapping Phases for CalEEMod Input

Phase Name		Equipment Type	HP ¹	No. per Day	Fuel Type ²	Hours Per Day ³	Load Factor ⁴
4	Foundations (Building Construction)	Cranes	275	1	Diesel	[7]	0.29
		Excavators	45	1	Diesel	[8]	0.38
		Excavators	346	1	Diesel	[8]	0.38
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Rubber Tired Dozers	170	1	Diesel	[8]	0.4
		Tractors/Loaders/Backhoes	321	1	Diesel	[7]	0.37
		Tractors/Loaders/Backhoes	107	1	Diesel	[7]	0.37
6	Equipment, Structural Steel & Building Erection, Piping (Building Construction)	Aerial Lifts	67	1	Diesel	(8)	0.31
		Aerial Lifts	[46]	5	Electric	(8)	0.31
		Air Compressors	49	1	Diesel	[6]	0.48
		Air Compressors	10	1	Diesel	[6]	0.48
		Cranes	200	1	Diesel	[7]	0.29
		Cranes	275	2	Diesel	[7]	0.29
		Excavators	45	1	Diesel	[8]	0.38
		Forklifts	[82]	1	Electric	[8]	0.2
		Forklifts	122	1	Diesel	[8]	0.2
		Forklifts	74	1	Diesel	[8]	0.2
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	225	2	Diesel	[7]	0.37
		Welders	24	2	Diesel	[8]	0.45
		Welders	[46]	5	Electric	[8]	0.45
		Aerial Lifts	[46]	4	Electric	(8)	0.31
7	Electrical & Instrumentation (Building Construction)	Air Compressors	10	2	Diesel	[6]	0.48
		Forklifts	74	1	Diesel	[8]	0.2
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	225	2	Diesel	[7]	0.37
		Aerial Lifts	[46]	4	Electric	(8)	0.31
9	Painting/Insulation (Architectural Coating)	Air Compressors	10	1	Diesel	[6]	0.48
10	Commissioning/ Startup and Testing (Building Construction)	Aerial Lifts	[46]	4	Electric	(8)	0.31
		Air Compressors	49	1	Diesel	[6]	0.48
		Cranes	275	1	Diesel	[7]	0.29
		Forklifts	74	1	Diesel	[8]	0.20
		Forklifts	[82]	1	Electric	[8]	0.20
		Generator Sets	49	3	Diesel	[8]	0.74
		Tractors/Loaders/Backhoes	225	2	Diesel	[7]	0.37
		Welders	[46]	3	Electric	[8]	0.45
		Welders	24	2	Diesel	[8]	0.45

Notes:

1. Footnotes 1 through 4 are the same as Table 2-2.
2. Only the phases which have some overlap with other phases are included in this table and for which equipment usage has been refined to avoid double or triple counting are included in this table.

As noted in Section 2.1, three CalEEMod runs were performed for each site to reflect individual and overlapping phases for criteria pollutants and a separate run for GHG emissions to reflect longer travel distances within California for Phase 6. Table 2-4 summarizes the construction trip rates and mileages used for the criteria pollutant and GHG emissions calculations. In the first CalEEMod run (Attachment A.1), the criteria pollutant emissions for the hauling trips for each individual phase were estimated using a one-way distance of 41 miles (the average distance from the Avocado Site to the County line). In the second CalEEMod run (Attachment A.2), the criteria pollutant emissions of the overlapping phases were also estimated using a one-way distance of 41 miles. Emissions for the soil remediation phase (A2) were estimated using an average one-way haul distance of 46 miles, which is the average trip lengths to Simi Valley Landfill and Grimes Rock Quarr. For phases involving both delivery of equipment to the Avocado Site (i.e., 41 miles) and hauling of material from the site to landfill (i.e., 46 miles), because only one hauling entry is allowed per phase in CalEEMod, the haul distances were calculated using a weighted average. For example, for Phase A3 which includes two trips to the landfill and six equipment delivery trips, a total of eight trips was entered with a weighted average distance of 42 miles. In the third CalEEMod run (Attachment A.3), the GHG emissions for the hauling trips for Phase 6 were estimated using a distance of 295 miles (distance from the Avocado Site to the Arizona State line). This distance is based on a conservative estimate that some of the supplies may come from outside of Ventura County and that some of the equipment may come from outside of California. The CalEEMod default distance of 20 miles was used for the Phase 12 (Decommission/Demolition) hauling trips.

Table 2-4: Avocado Site Construction Traffic Summary

Phase Work Description		Trip Type	One-Way Trips per Day	Miles per One-Way Trip	Vehicle Mix ⁴
A1	Site Assessment	Worker	6	10	LDA, LDT1, LDT2
		Vendor	4	10	HHDT, MHDT
A2	Soil Remediation	Worker	20	46	LDA, LDT1, LDT2
		Vendor	16	10	HHDT, MHDT
		Hauling	8	10	HHDT
A3	Gas Pipeline Installation	Worker	27	10	LDA, LDT1, LDT2
		Vendor	2	10	HHDT, MHDT
		Hauling ¹	8	42	HHDT
A4	Electrical Interconnect	Worker	27	10	LDA, LDT1, LDT2
		Vendor	16	10	HHDT, MHDT
		Hauling ¹	5	43	HHDT
1	Offsite Laydown Development & Facility Clearing, Grubbing, Initial Site Excavation	Worker	35	10	LDA, LDT1, LDT2
		Vendor	8	10	HHDT, MHDT
		Hauling ¹	11	45	HHDT

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Phase Work Description		Trip Type	One-Way Trips per Day	Miles per One-Way Trip	Vehicle Mix ⁴
2	Road Widening & Utilities	Worker	68	10	LDA, LDT1, LDT2
		Vendor	12	10	HHDT, MHDT
		Hauling ¹	37	46	HHDT
3	Mass Excavation and Cut Disposal	Worker	45	10	LDA, LDT1, LDT2
		Vendor	24	10	HHDT, MHDT
		Hauling ¹	68	46	HHDT
4	Foundations	Worker	68	10	LDA, LDT1, LDT2
		Vendor	16	10	HHDT, MHDT
		Hauling	10	41	HHDT
5	Trenching/Undergrounds	Worker	46	10	LDA, LDT1, LDT2
		Vendor	2	10	HHDT, MHDT
		Hauling	9	41	HHDT
6	Equipment, Structural Steel & Building Erection, Piping	Worker	78	10	LDA, LDT1, LDT2
		Vendor	22	10	HHDT, MHDT
		Hauling ²	1	41 (295)	HHDT
7	Electrical & Instrumentation	Worker	36	10	LDA, LDT1, LDT2
		Vendor	16	10	HHDT, MHDT
		Hauling	1	41	HHDT
8	Paving	Worker	22	10	LDA, LDT1, LDT2
		Hauling	12	41	HHDT
9	Painting/Insulation	Worker	4	10	LDA, LDT1, LDT2
		Hauling	9	41	HHDT
10	Commissioning/Startup and Testing	Worker	28	10	LDA, LDT1, LDT2
		Vendor	12	10	HHDT, MHDT
		Hauling	3	41	HHDT
11	Post Construction/Site Restoration	Hauling	14	41	HHDT
12	Decommission/Demolition	Worker	28	10	LDA, LDT1, LDT2
		Vendor	18	10	HHDT, MHDT
		Hauling ³	3	20	HHDT

Notes:

- For phases involving both hauling of material from the site to landfill (~46 miles) and delivery of equipment to the site (~41 miles), since only one hauling entry is allowed per phase in CalEEMod, the haul distances were calculated using a weighted average. For example, for Phase A3 which includes 2 trips to the landfill and 6 equipment delivery trips, a total of 8 trips was entered with a weighted average distance of 42 miles.
- Hauling trip mileages for Equipment, Structural Steel & Building Erection, and Piping phase (Phase 6) are average one-way distances from the Avocado Site to County Line for criteria pollutant emissions since the trip destinations/directions are not known. The second value in italics is the one-way hauling distances from the Avocado Site to the Arizona State Line used to estimate GHG emissions.
- Hauling trip mileage for Phase 12 (i.e., Decommission/Demolition) is CalEEMod default.

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4. Vehicle mix: LDA=Light Duty Automobile, LDT1=Light Duty Trucks up to 3,750 pounds (lbs) loaded vehicle weight (LVW), LDT2=Light Duty Trucks 3,750-8,500 lbs LVW, MHDT=Medium Heavy-Duty Trucks (8,500-14,000 lbs), HHDT=Heavy, Heavy-Duty Trucks (>14,000 lbs).

2.1.3 Results of Construction and Demolition Emissions Analysis for the Avocado Site Alternative

Table 2-5 presents the peak day emissions of each criteria pollutant for each individual phase during Avocado Site construction/demolition based on the CalEEMod outputs provided in Attachment A.1.

Table 2-5: Estimated Peak Day Criteria Pollutant Emissions by Each Construction/Demolition Phase

Construction/Demolition ² Phase		Year	Emissions ¹ (lbs/day)					
			ROC	NO _x	CO	SO _x	Total ³ PM ₁₀	Total ³ PM _{2.5}
A1	Site Assessment	2034	0.05	0.26	2.43	0.00	0.08	0.03
A2	Soil Remediation	2035	0.51	6.41	23.13	0.06	1.14	0.40
A3	Gas Pipeline Installation	2035	0.89	6.20	43.73	0.09	0.69	0.31
A4	Electrical Interconnect	2036	0.21	4.60	7.09	0.02	0.55	0.17
1	Offsite Laydown Development & Facility Clearing, Grubbing, Initial Site Excavation	2035	0.69	5.56	31.87	0.07	3.66	1.67
2	Road Widening & Utilities	2035-2036	2.66	18.80	132.01	0.27	2.68	1.13
3	Mass Excavation and Cut Disposal	2036-2037	1.04	14.76	47.32	0.14	3.65	1.22
4	Foundations	2037	0.99	11.44	44.46	0.09	1.15	0.42
5	Trenching/Undergrounds	2037	0.14	2.02	2.36	0.01	0.74	0.21
6	Equipment, Structural Steel & Building Erection, Piping	2037-2038	0.96	11.91	40.05	0.08	0.91	0.33
7	Electrical & Instrumentation	2038-2039	0.77	9.77	34.99	0.07	0.55	0.23
8	Paving	2039	0.58	1.66	3.78	0.02	0.69	0.21
9	Painting/Insulation	2039	4.90	2.83	2.94	0.01	0.43	0.14
10	Commissioning/Startup and Testing	2039	0.48	8.45	20.63	0.04	0.48	0.18
11	Site Restoration	2039	0.08	1.45	0.83	0.01	0.74	0.22
12	Decommission/Demolition	2040	0.44	6.97	19.33	0.04	0.65	0.20
Avocado Site Highest Individual Phase Peak Day			4.90	18.80	132.01	0.27	3.66	1.67

Notes:

1. Emissions include offroad construction equipment and onroad vehicles (hauling, vendors, workers).
2. Construction daily emissions calculated for all offroad equipment running simultaneously (winter peak NO_x).
3. Total PM₁₀/PM_{2.5} consists of fugitive dust plus engine exhaust and includes application of Project Best Management Practices (BMPs).

The preliminary construction schedule provided in Table 2-1 indicated that some of the phases could overlap. The results of this potential peak day emissions during overlapping phases for ROC and NO_x are provided in Table 2-6, where only phases with potential overlap are shown. The CalEEMod outputs for the potential overlap phases are provided in Attachment A.2. As shown in Table 2-6, the peak day NO_x emissions could occur during the overlap of Phases A4 (Electrical Interconnect) and 2 (Road Widening & Utilities) and the peak day ROC emissions could occur during the overlap of Phases 8 (Paving), 9 (Painting/Insulation) and 10 (Commissioning / Startup and Testing).

Table 2-6: Estimated Peak Day ROC and NO_x Emissions During Potential Construction/Demolition Phase Overlaps

Phases with Potential Timeline Overlaps		Year	Emissions ¹ (lbs/day)	
			ROC	NO _x
A3+1	Offsite Laydown Development & Facility Clearing, Grubbing, Initial Site Excavation + Gas Pipeline Installation	2035	2.1	18.2
A4+2	Electrical Interconnect + Road Widening & Utilities	2036	2.9	23.2
4+5+6	Foundations+ Trenching/Undergrounds + Equipment, Structural Steel & Building Erection, Piping	2037	1.7	18.0
6+7	Equipment, Structural Steel & Building Erection, Piping + Electrical & Instrumentation	2038	1.2	13.8
8+9+10	Paving + Painting/Insulation + Commissioning / Startup and Testing	2039	5.9	11.2
Project Construction/Demolition Overlapping Phases Peak Day			5.9	23.2

Note:

1. Emissions reflect the peak day emissions for overlapping phases using the equipment list shown in Table 2-3 and vehicle trips in Table 2-4.

Table 2-7 summarizes the peak day criteria pollutants emissions for constructing the compressor station at the Avocado Site and compares the emissions to the peak day emissions for the Proposed Project. Peak day emissions for construction of the Avocado Site for all reported criteria pollutants except ROC are greater than the peak day emissions for the Proposed Project. ROC emissions are essentially the same given the uncertainties associated with the analysis. The VCAPCD CEQA Significance Thresholds (VCAPCD 2003) for ROC and NO_x construction emissions are provided in Table 2-7 for reference. The construction ROC and NO_x construction emissions are below these thresholds for both the Proposed Project and the Avocado Site Alternative.

Table 2-7: Comparison of the Proposed Project vs. Avocado Site Criteria Pollutants Peak Day Construction/Demolition Emissions

Criteria Pollutant	Peak Day Emissions (lbs/day)		VCAPCD CEQA Significance Threshold ⁴ (lbs/day)
	Proposed Project ¹	Avocado Site ^{2,3}	
ROC	6.1	5.9	25
NO _x	19.1	23.2	25
CO	67.9	139.0	N/A
SO _x	0.1	0.3	N/A
Total PM ₁₀ ⁵	4.5	5.5	N/A
Total PM _{2.5} ⁵	1.0	2.4	N/A

Notes:

1. Proposed Project emissions from PEA Table 5.3-3 as updated in July 2024, for peak day during construction or demolition.
2. Emissions from CalEEMod Version 2022.1.1.30 in pounds/day are winter or summer maxima for planned activity and reflect a combined total peak day for construction phases with potential for overlap.
3. Per the VCAPCD Air Quality Assessment Guidelines (2003), construction-related emissions would be considered to be significant if estimates of NO_x and ROC emissions from the heavy-duty construction equipment exceed the 25 pounds/day threshold.
4. VCAPCD Air Quality Assessment Guidelines (2003) do not provide thresholds for criteria pollutants other than ROC and NO_x. Other criteria pollutant emissions are listed for reference, and the threshold is listed as N/A (not applicable).
5. Total PM₁₀ and PM_{2.5} include engine exhaust and fugitive dust and are minimized in accordance with VCAPCD Rule 55 and the fugitive dust control measures and off-road equipment BMPs.

In addition to the peak day emissions, Table 2-8 provides a comparison of the emissions over the total construction period for the Proposed Project compared to the total construction emissions for the Avocado Site. The comparison of the total construction-related emissions shows that construction at the Avocado Site would generate higher total emissions than the Proposed Project across all criteria pollutants. This result is largely due to the longer construction duration of the project at this alternative site and the substantial roadwork required. For example, as shown in Table 2-8, maximum total NO_x emissions are estimated at 7.8 tons for Avocado Site compared to 4.5 tons for the Proposed Project, and CO emissions total 33.1 tons versus 14.9 tons total over the entire construction period. VCAPCD has not defined significance thresholds for total construction emissions.

Table 2-8: Comparison of the Proposed Project vs. Avocado Site Criteria Pollutants Total Construction/Demolition Emissions

Criteria Pollutant	Total Construction/Demolition Emissions (Tons)	
	Proposed Project	Avocado Site
ROC	0.5	0.8
NO _x	4.5	7.8
CO	14.9	33.1
SO _x	<0.1	0.1
Total PM ₁₀	0.4	1.0
Total PM _{2.5}	0.1	0.4

3.0 GREENHOUSE GAS EMISSIONS

3.1 GHG Emissions Methodology and Assumptions for the Avocado Site

GHG emissions were estimated for the construction phase of the compressor station at the Avocado Site. Like the criteria pollutants, CalEEMod was used to estimate GHG emissions. While criteria pollutant emissions during construction are mainly assessed on a peak daily basis due to short-term (i.e., 1-hour, 8-hour, and 24-hour) ambient air quality standards, GHG emissions are assessed on a long-term (annual or total) basis because these emissions have long-term effects. Because it was not necessary to evaluate short-term GHG emissions, it was not needed to look at the potential for phases that overlap on a given day.

The preliminary construction schedule given in Table 2-1 and the offroad equipment data given in Table 2-2 were used for the GHG emissions analysis.

As discussed in Section 2, impacts of criteria pollutant emissions are analyzed within the local area or air basin, in this case within Ventura County. GHG emissions, on the other hand, are global impacts and are usually assessed anywhere within California for CEQA analyses. Therefore, the criteria pollutant emissions and GHG emissions from construction were estimated in separate CalEEMod runs. The criteria pollutant emissions are provided in Attachment A.1 for the individual phases and in Attachment A.2 for the overlapping phases. The CalEEMod run in Attachment A.3 is for the GHG emissions where the hauling trips for Phase 6 use a distance of 295 miles (distance from the Avocado Site to the Arizona State line). These distances are based on a conservative estimate that some of the supplies may come from outside of Ventura County and that some of the equipment may come from outside of California. The CalEEMod default distance of 20 miles was used for Phase (i.e., Decommission/Demolition phase) hauling trips. The construction trip rates and mileages were summarized above in Table 2-4.

3.2 GHG Emissions for Construction/Demolition for the Avocado Site

Table 3-1 shows a breakdown of Avocado Site construction GHG emissions and Table 3-2 compares the GHG emissions from this alternative site to the Proposed Project. The CalEEMod output file for GHG emissions can be found in Attachment A.3. The total carbon dioxide equivalent (CO_{2e}) emissions over the 10-year construction period are 7,230 metric tons (MT) compared to less than a half of that at 3,006 MT for the Proposed Project. Typically, construction GHG emissions are amortized over the life of the project (usually 30 years). The amortized CO_{2e} emissions from the construction phase of the Avocado Site are estimated at 241 MT of CO_{2e} per year, which is more than two times higher than the 100 MT of CO_{2e} per year estimated for the Proposed Project. This result indicates that the Avocado Site would result in substantially greater construction-related GHG emissions compared to the Proposed Project.

Table 3-1: Estimated Construction GHG Emissions (MT)

Construction Phase		Year	CO ₂	CH ₄	N ₂ O	R	CO ₂ e
A1	Site Assessment	2034	1	<1	<1	<1	1
A2	Soil Remediation	2035	67	<1	<1	<1	68
A3	Gas Pipeline Installation	2035	94	<1	<1	<1	95
A4	Electrical Interconnect	2036	40	<1	<1	<1	41
1	Offsite Laydown Development & Facility Clearing, Grubbing, Initial Site Excavation	2035	153	<1	<1	<1	155
2	Road Widening & Utilities	2035-2036	2,746	<1	<1	<1	2,774
3	Mass Excavation and Cut Disposal	2036-2037	1,163	<1	<1	<1	1,194
4	Foundations	2037	751	<1	<1	<1	759
5	Trenching/Undergrounds	2037	45	<1	<1	<1	46
6	Equipment, Structural Steel & Building Erection, Piping	2037-2038	890	<1	<1	<1	899
7	Electrical & Instrumentation	2038-2039	753	<1	<1	<1	757
8	Paving	2039	37	<1	<1	<1	39
9	Painting/Insulation	2039	27	<1	<1	<1	28
10	Commissioning/Startup and Testing	2039	224	<1	<1	<1	226
11	Post Construction/Site Restoration	2039	16	<1	<1	<1	16
12	Decommission/Demolition	2040	129	<1	<1	<1	130
Total Construction Emissions			7,137	<1	<1	<1	7,230
Total 30-Year Amortized GHGs							241

Source: CalEEMod version 2022.1.1.30.

Table 3-2: Comparison of the Construction/Demolition Total GHG Emissions for the Proposed Project and the Avocado Site

Scenario	Construction/Demolition CO ₂ e Emissions ²	
	Proposed Project	Avocado Site
Construction Period, Years	2029-2033 ¹	2034-2040 ¹
Total Construction/Demolition GHG Emissions, MT	3,006	7,230
Amortized (30 Year) Construction/Demolition GHG Estimate (MT/year)	100	241

Notes:

1. Proposed Project construction schedule from the PEA, Avocado Site from Table 2-1.
2. VCAPCD has not defined CEQA significance thresholds for GHG emissions. Other areas such as South Coast Air Quality Management District (SCAQMD 2023) have identified an industrial source GHG emissions threshold of 10,000 MT/year, where a project's total amortized construction plus operation emissions are compared to the threshold. Since this report provides construction/demolition emissions only and does not include operations emissions at the Avocado Site, a comparison to the SCAQMD GHG threshold is not applicable.

4.0 CONCLUSIONS

This analysis shows that construction of the compressor station at the Avocado Site would result in higher daily construction-related emissions for all criteria pollutants except for ROC compared to the Proposed Project, both on a daily and total basis. The ROC emissions are approximately the same, with 5.9 lbs/day for the Avocado Site versus 6.1 lbs/day on a peak day for the Proposed Project. Additionally, the total criteria pollutants and total GHG emissions are higher at the Avocado Site than for the Proposed Project due to the need for additional site preparation, soil remediation, extensive grading, gas pipeline installation, and longer construction duration. Overall, the Avocado Site would have a greater impact on air quality compared to the Proposed Project, with NO_x and PM₁₀ impacts that are approximately 1.2 times and CO, SO_x, and PM_{2.5} impacts are almost double those for the Proposed Project. Similarly, the analysis indicates that the construction phase of the Avocado Site would result in higher (double) GHG emissions compared to the Proposed Project.

We note that there are many uncertainties related to this analysis, most of which would tend to make the differences between the Proposed Project and the site alternative even greater:

- A prior version of CalEEMod was used for the Proposed Project, and since CalEEMod incorporates new regulatory emissions reductions, the estimated emissions for the Proposed Project would be lower if redone using a newer version;
- At the time the PEA was prepared, the construction of the Proposed Project was anticipated to begin in 2029, but that may be delayed due to the additional time needed for the CPUC process. A later start date would reflect a vehicle and construction equipment fleet that reflects more fleet turnover and more equipment meeting regulatory program requirements, and hence a project with a later start date for construction would result in lower emissions²;
- The compressor station at the alternative sites has not been designed/engineered to the same level as the Proposed Project. SoCalGas estimates that the alternative sites are only at about a 5% engineering level whereas the Proposed Project has been designed to approximately 15%; and
- Due to lack of site access and uncertainties related to the construction schedule, several simplifying assumptions were made related to the alternate site engineering, such as that the onsite construction equipment usage would be the same as the Proposed Project.

If the emissions for the Proposed Project are reduced or the emissions for the Avocado Site are increased due to these factors, the difference between the Proposed Project and the alternative site would be greater, i.e., the air quality impacts from constructing at the alternative site would be even worse.

² Per Table 2-1, the Avocado Site Alternative is assumed to start construction in 2034.

5.0 REFERENCES

California Air Pollution Control Officers Association (CAPCOA). 2022. California Emissions Estimation Model® (CalEEMod). Version 2022.1.1.30. Website (<http://www.caleemod.com/>) accessed August 2025.

South Coast Air Quality Management District (SCAQMD). 2023. Air Quality Significance Thresholds. Website (<http://www.aqmd.gov/docs/default-source/ceqa/handbook/south-coast-aqmd-air-quality-significance-thresholds.pdf?sfvrsn=25>).

Ventura County Air Pollution Control District (VCAPCD). 2003. Ventura County Air Quality Assessment Guidelines. Website (<http://www.vcapcd.org/pubs/Planning/VCAQGuidelines.pdf>).

ATTACHMENT A – CALEEMOD OUTPUTS

ATTACHMENT A.1 – CRITERIA POLLUTANT EMISSIONS (INDIVIDUAL PHASES)

SCG-VCM Project -Avocado Site- Criteria Pollutants - Individual Phases Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	SCG-VCM Project -Avocado Site- Criteria Pollutants - Individual Phases
Construction Start Date	5/1/2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.20
Precipitation (days)	2.20
Location	1275 W Main St, Ventura, CA 93001, USA
County	Ventura
City	Unincorporated
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3406
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Heavy Industry	5.46	1000sqft	0.13	5,459	0.00	—	—	—

General Heavy Industry	10.5	1000sqft	0.24	10,458	0.00	—	—	—
General Heavy Industry	2.02	1000sqft	0.05	2,016	0.00	—	—	—
General Heavy Industry	0.44	1000sqft	0.01	442	0.00	—	—	—
General Office Building	4.64	1000sqft	0.11	4,641	0.00	—	—	—
Other Asphalt Surfaces	344	1000sqft	7.89	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.38	25.2	132	0.27	0.56	5.05	5.48	0.56	1.95	2.39	—	29,709	29,709	1.05	1.40	8.79	30,029
Mit.	5.38	25.2	132	0.27	0.56	5.05	5.48	0.56	1.95	2.39	—	29,709	29,709	1.05	1.40	8.79	30,029
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.95	23.2	139	0.29	0.59	3.35	3.65	0.59	0.92	1.30	—	31,591	31,591	1.11	1.40	0.23	31,939
Mit.	5.95	23.2	139	0.29	0.59	3.35	3.65	0.59	0.92	1.30	—	31,591	31,591	1.11	1.40	0.23	31,939
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.28	12.3	61.7	0.15	0.30	2.07	2.37	0.30	0.57	0.87	—	16,081	16,081	0.50	0.87	2.26	16,354
Mit.	1.28	12.3	61.7	0.15	0.30	2.07	2.37	0.30	0.57	0.87	—	16,081	16,081	0.50	0.87	2.26	16,354
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.23	2.25	11.3	0.03	0.06	0.38	0.43	0.06	0.10	0.16	—	2,662	2,662	0.08	0.14	0.37	2,708
Mit.	0.23	2.25	11.3	0.03	0.06	0.38	0.43	0.06	0.10	0.16	—	2,662	2,662	0.08	0.14	0.37	2,708
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	0.05	0.26	2.43	< 0.005	0.01	0.08	0.08	0.01	0.02	0.03	—	452	452	0.02	0.02	0.16	458
2035	2.66	18.6	132	0.27	0.56	5.05	5.48	0.56	1.95	2.39	—	29,709	29,709	1.05	0.97	6.22	30,029
2036	2.66	18.4	132	0.27	0.56	3.35	3.65	0.56	0.92	1.22	—	29,596	29,596	1.05	1.40	8.79	29,904
2037	2.09	25.2	86.9	0.18	0.32	2.47	2.80	0.32	0.63	0.95	—	19,606	19,606	0.68	0.62	3.83	19,811
2038	0.78	9.75	35.0	0.07	0.12	0.43	0.55	0.12	0.11	0.23	—	7,250	7,250	0.28	0.12	0.49	7,293

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2039	5.38	11.2	23.6	0.06	0.10	0.81	0.91	0.10	0.22	0.31	—	5,775	5,775	0.18	0.27	1.19	5,862
2040	0.44	6.97	19.3	0.04	0.07	0.58	0.65	0.07	0.13	0.20	—	4,186	4,186	0.15	0.11	0.36	4,222
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
2035	2.66	18.8	132	0.27	0.56	2.12	2.68	0.56	0.57	1.13	—	29,692	29,692	1.05	0.97	0.15	30,007
2036	2.86	23.2	139	0.29	0.59	3.35	3.65	0.59	0.92	1.30	—	31,591	31,591	1.11	1.40	0.23	31,939
2037	1.10	14.4	47.2	0.14	0.30	3.35	3.65	0.30	0.92	1.22	—	15,941	15,941	0.39	1.40	0.20	16,367
2038	1.72	21.7	74.9	0.15	0.26	1.20	1.46	0.26	0.30	0.56	—	15,407	15,407	0.59	0.27	0.03	15,501
2039	5.95	12.9	35.0	0.08	0.13	1.47	1.60	0.13	0.39	0.52	—	7,683	7,683	0.28	0.49	0.06	7,834
2040	—	—	—	—	—	—	—	—	—	—	—	4.33	4.33	< 0.005	< 0.005	—	4.35
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	< 0.005	< 0.005	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.18	6.18	< 0.005	< 0.005	< 0.005	6.25
2035	0.80	5.94	39.4	0.08	0.17	1.02	1.19	0.17	0.35	0.52	—	9,044	9,044	0.32	0.31	0.82	9,144
2036	1.28	12.3	61.7	0.15	0.30	2.07	2.37	0.30	0.57	0.87	—	16,081	16,081	0.50	0.87	2.26	16,354
2037	0.94	11.5	40.5	0.08	0.15	1.04	1.20	0.15	0.27	0.42	—	9,020	9,020	0.32	0.28	0.72	9,113
2038	0.63	7.96	28.0	0.06	0.10	0.39	0.49	0.10	0.10	0.20	—	5,787	5,787	0.22	0.10	0.19	5,822
2039	0.80	3.48	8.09	0.02	0.03	0.30	0.34	0.03	0.08	0.11	—	2,010	2,010	0.06	0.10	0.18	2,040
2040	0.08	1.30	3.60	0.01	0.01	0.11	0.12	0.01	0.02	0.04	—	779	779	0.03	0.02	0.03	785
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.02	1.02	< 0.005	< 0.005	< 0.005	1.04
2035	0.15	1.08	7.20	0.01	0.03	0.19	0.22	0.03	0.06	0.09	—	1,497	1,497	0.05	0.05	0.14	1,514
2036	0.23	2.25	11.3	0.03	0.06	0.38	0.43	0.06	0.10	0.16	—	2,662	2,662	0.08	0.14	0.37	2,708
2037	0.17	2.09	7.40	0.02	0.03	0.19	0.22	0.03	0.05	0.08	—	1,493	1,493	0.05	0.05	0.12	1,509
2038	0.12	1.45	5.11	0.01	0.02	0.07	0.09	0.02	0.02	0.04	—	958	958	0.04	0.02	0.03	964
2039	0.15	0.64	1.48	< 0.005	0.01	0.06	0.06	0.01	0.01	0.02	—	333	333	0.01	0.02	0.03	338
2040	0.02	0.24	0.66	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	129	129	< 0.005	< 0.005	< 0.005	130

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	0.05	0.26	2.43	< 0.005	0.01	0.08	0.08	0.01	0.02	0.03	—	452	452	0.02	0.02	0.16	458
2035	2.66	18.6	132	0.27	0.56	5.05	5.48	0.56	1.95	2.39	—	29,709	29,709	1.05	0.97	6.22	30,029
2036	2.66	18.4	132	0.27	0.56	3.35	3.65	0.56	0.92	1.22	—	29,596	29,596	1.05	1.40	8.79	29,904
2037	2.09	25.2	86.9	0.18	0.32	2.47	2.80	0.32	0.63	0.95	—	19,606	19,606	0.68	0.62	3.83	19,811
2038	0.78	9.75	35.0	0.07	0.12	0.43	0.55	0.12	0.11	0.23	—	7,250	7,250	0.28	0.12	0.49	7,293
2039	5.38	11.2	23.6	0.06	0.10	0.81	0.91	0.10	0.22	0.31	—	5,775	5,775	0.18	0.27	1.19	5,862
2040	0.44	6.97	19.3	0.04	0.07	0.58	0.65	0.07	0.13	0.20	—	4,186	4,186	0.15	0.11	0.36	4,222
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
2035	2.66	18.8	132	0.27	0.56	2.12	2.68	0.56	0.57	1.13	—	29,692	29,692	1.05	0.97	0.15	30,007
2036	2.86	23.2	139	0.29	0.59	3.35	3.65	0.59	0.92	1.30	—	31,591	31,591	1.11	1.40	0.23	31,939
2037	1.10	14.4	47.2	0.14	0.30	3.35	3.65	0.30	0.92	1.22	—	15,941	15,941	0.39	1.40	0.20	16,367
2038	1.72	21.7	74.9	0.15	0.26	1.20	1.46	0.26	0.30	0.56	—	15,407	15,407	0.59	0.27	0.03	15,501
2039	5.95	12.9	35.0	0.08	0.13	1.47	1.60	0.13	0.39	0.52	—	7,683	7,683	0.28	0.49	0.06	7,834
2040	—	—	—	—	—	—	—	—	—	—	—	4.33	4.33	< 0.005	< 0.005	—	4.35
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	< 0.005	< 0.005	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.18	6.18	< 0.005	< 0.005	< 0.005	6.25
2035	0.80	5.94	39.4	0.08	0.17	1.02	1.19	0.17	0.35	0.52	—	9,044	9,044	0.32	0.31	0.82	9,144
2036	1.28	12.3	61.7	0.15	0.30	2.07	2.37	0.30	0.57	0.87	—	16,081	16,081	0.50	0.87	2.26	16,354
2037	0.94	11.5	40.5	0.08	0.15	1.04	1.20	0.15	0.27	0.42	—	9,020	9,020	0.32	0.28	0.72	9,113
2038	0.63	7.96	28.0	0.06	0.10	0.39	0.49	0.10	0.10	0.20	—	5,787	5,787	0.22	0.10	0.19	5,822

2039	0.80	3.48	8.09	0.02	0.03	0.30	0.34	0.03	0.08	0.11	—	2,010	2,010	0.06	0.10	0.18	2,040
2040	0.08	1.30	3.60	0.01	0.01	0.11	0.12	0.01	0.02	0.04	—	779	779	0.03	0.02	0.03	785
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.02	1.02	< 0.005	< 0.005	< 0.005	1.04
2035	0.15	1.08	7.20	0.01	0.03	0.19	0.22	0.03	0.06	0.09	—	1,497	1,497	0.05	0.05	0.14	1,514
2036	0.23	2.25	11.3	0.03	0.06	0.38	0.43	0.06	0.10	0.16	—	2,662	2,662	0.08	0.14	0.37	2,708
2037	0.17	2.09	7.40	0.02	0.03	0.19	0.22	0.03	0.05	0.08	—	1,493	1,493	0.05	0.05	0.12	1,509
2038	0.12	1.45	5.11	0.01	0.02	0.07	0.09	0.02	0.02	0.04	—	958	958	0.04	0.02	0.03	964
2039	0.15	0.64	1.48	< 0.005	0.01	0.06	0.06	0.01	0.01	0.02	—	333	333	0.01	0.02	0.03	338
2040	0.02	0.24	0.66	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	129	129	< 0.005	< 0.005	< 0.005	130

3. Construction Emissions Details

3.1. 12-Decomissioning Demolition (2040) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	6.41	18.7	0.04	0.06	—	0.06	0.06	—	0.06	—	3,512	3,512	0.14	0.03	—	3,525
Demoliti on	—	—	—	—	—	0.18	0.18	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.07	1.19	3.48	0.01	0.01	—	0.01	0.01	—	0.01	—	654	654	0.03	0.01	—	657
Demolition	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.22	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	108	108	< 0.005	< 0.005	—	109
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.45	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	168	168	< 0.005	< 0.005	0.12	168
Vendor	0.01	0.37	0.15	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	355	355	< 0.005	0.05	0.15	371
Hauling	< 0.005	0.17	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	147	147	< 0.005	0.02	0.09	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.1	30.1	< 0.005	< 0.005	0.01	30.2
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	66.1	66.1	< 0.005	0.01	0.01	69.2
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.3	27.3	< 0.005	< 0.005	0.01	28.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.98	4.98	< 0.005	< 0.005	< 0.005	5.01
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	< 0.005	11.5
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.53	4.53	< 0.005	< 0.005	< 0.005	4.74

3.2. 12-Decomissioning Demolition (2040) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	6.41	18.7	0.04	0.06	—	0.06	0.06	—	0.06	—	3,512	3,512	0.14	0.03	—	3,525
Demolition	—	—	—	—	—	0.18	0.18	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.19	3.48	0.01	0.01	—	0.01	0.01	—	0.01	—	654	654	0.03	0.01	—	657
Demolition	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.22	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	108	108	< 0.005	< 0.005	—	109
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.45	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	168	168	< 0.005	< 0.005	0.12	168
Vendor	0.01	0.37	0.15	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	355	355	< 0.005	0.05	0.15	371
Hauling	< 0.005	0.17	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	147	147	< 0.005	0.02	0.09	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.1	30.1	< 0.005	< 0.005	0.01	30.2
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	66.1	66.1	< 0.005	0.01	0.01	69.2
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.3	27.3	< 0.005	< 0.005	0.01	28.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.98	4.98	< 0.005	< 0.005	< 0.005	5.01
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	< 0.005	11.5
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.53	4.53	< 0.005	< 0.005	< 0.005	4.74

3.3. 1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	3.99	30.8	0.06	0.11	—	0.11	0.11	—	0.11	—	5,980	5,980	0.24	0.05	—	6,001
Dust From Material Movement	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.48	3.71	0.01	0.01	—	0.01	0.01	—	0.01	—	721	721	0.03	0.01	—	723
Dust From Material Movement	—	—	—	—	—	0.33	0.33	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	119	119	< 0.005	< 0.005	—	120
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.71	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	218	218	< 0.005	< 0.005	0.32	219
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.02	1.34	0.33	0.01	0.02	0.45	0.47	0.02	0.13	0.15	—	1,297	1,297	0.01	0.21	1.45	1,361
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.3	25.3	< 0.005	< 0.005	0.02	25.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.7	21.7	< 0.005	< 0.005	0.01	22.8
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	156	156	< 0.005	0.03	0.08	164
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.19	4.19	< 0.005	< 0.005	< 0.005	4.21
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.60	3.60	< 0.005	< 0.005	< 0.005	3.77
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.9	25.9	< 0.005	< 0.005	0.01	27.1

3.4. 1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	3.99	30.8	0.06	0.11	—	0.11	0.11	—	0.11	—	5,980	5,980	0.24	0.05	—	6,001
Dust From Material Movement	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.48	3.71	0.01	0.01	—	0.01	0.01	—	0.01	—	721	721	0.03	0.01	—	723

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Dust From Material Movement	—	—	—	—	—	0.33	0.33	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	119	119	< 0.005	< 0.005	—	120
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.71	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	218	218	< 0.005	< 0.005	0.32	219
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.02	1.34	0.33	0.01	0.02	0.45	0.47	0.02	0.13	0.15	—	1,297	1,297	0.01	0.21	1.45	1,361
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.3	25.3	< 0.005	< 0.005	0.02	25.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.7	21.7	< 0.005	< 0.005	0.01	22.8
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	156	156	< 0.005	0.03	0.08	164
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.19	4.19	< 0.005	< 0.005	< 0.005	4.21
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.60	3.60	< 0.005	< 0.005	< 0.005	3.77
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.9	25.9	< 0.005	< 0.005	0.01	27.1

3.5. A1-Site Assessment (2034) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.16	2.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	321	321	0.01	< 0.005	—	322
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.40	4.40	< 0.005	< 0.005	—	4.42
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	37.8	37.8	< 0.005	< 0.005	0.06	38.0
Vendor	< 0.005	0.10	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	93.3	93.3	< 0.005	0.01	0.10	97.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.50
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.34
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. A1-Site Assessment (2034) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.16	2.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	321	321	0.01	< 0.005	—	322

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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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.40	4.40	< 0.005	< 0.005	—	4.42
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	37.8	37.8	< 0.005	< 0.005	0.06	38.0
Vendor	< 0.005	0.10	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	93.3	93.3	< 0.005	0.01	0.10	97.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.50
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.34
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. A2-Soil Remediation (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	3.71	22.1	0.04	0.08	—	0.08	0.08	—	0.08	—	4,331	4,331	0.18	0.04	—	4,345
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.02	0.21	1.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.32	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	99.7	99.7	< 0.005	< 0.005	0.15	100
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.03	2.49	0.60	0.02	0.04	0.83	0.87	0.04	0.23	0.27	—	2,409	2,409	0.02	0.39	2.69	2,529
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.53	5.53	< 0.005	< 0.005	< 0.005	5.55
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	< 0.005	10.9
Hauling	< 0.005	0.15	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	139	139	< 0.005	0.02	0.07	145
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.92

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.80
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.0	23.0	< 0.005	< 0.005	0.01	24.1

3.8. A2-Soil Remediation (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	3.71	22.1	0.04	0.08	—	0.08	0.08	—	0.08	—	4,331	4,331	0.18	0.04	—	4,345
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.21	1.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4

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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.32	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	99.7	99.7	< 0.005	< 0.005	0.15	100
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.03	2.49	0.60	0.02	0.04	0.83	0.87	0.04	0.23	0.27	—	2,409	2,409	0.02	0.39	2.69	2,529
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.53	5.53	< 0.005	< 0.005	< 0.005	5.55
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	< 0.005	10.9
Hauling	< 0.005	0.15	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	139	139	< 0.005	0.02	0.07	145
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.92
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.80
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.0	23.0	< 0.005	< 0.005	0.01	24.1

3.9. 4-Foundations (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,918	7,918	0.32	0.06	—	7,945
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,918	7,918	0.32	0.06	—	7,945
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	4.64	20.1	0.04	0.07	—	0.07	0.07	—	0.07	—	3,710	3,710	0.15	0.03	—	3,722
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.85	3.66	0.01	0.01	—	0.01	0.01	—	0.01	—	614	614	0.02	< 0.005	—	616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.07	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	415	415	0.01	< 0.005	0.46	417
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.24	354
Hauling	0.02	1.05	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,031	1,031	0.01	0.17	0.91	1,081
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.15	0.08	1.18	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	397	397	0.01	< 0.005	0.01	399
Vendor	0.01	0.37	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.01	355
Hauling	0.01	1.10	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,031	1,031	0.01	0.17	0.02	1,080
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.55	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	187	187	< 0.005	< 0.005	0.09	188
Vendor	< 0.005	0.17	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	159	159	< 0.005	0.02	0.05	166
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.17	0.18	0.01	0.05	0.06	—	483	483	0.01	0.08	0.18	506
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	31.0	31.0	< 0.005	< 0.005	0.02	31.2
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.01	27.5
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	79.9	79.9	< 0.005	0.01	0.03	83.8

3.10. 4-Foundations (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,918	7,918	0.32	0.06	—	7,945
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,918	7,918	0.32	0.06	—	7,945
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

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	4.64	20.1	0.04	0.07	—	0.07	0.07	—	0.07	—	3,710	3,710	0.15	0.03	—	3,722
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.85	3.66	0.01	0.01	—	0.01	0.01	—	0.01	—	614	614	0.02	< 0.005	—	616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.07	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	415	415	0.01	< 0.005	0.46	417
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.24	354
Hauling	0.02	1.05	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,031	1,031	0.01	0.17	0.91	1,081
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.08	1.18	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	397	397	0.01	< 0.005	0.01	399
Vendor	0.01	0.37	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.01	355
Hauling	0.01	1.10	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,031	1,031	0.01	0.17	0.02	1,080
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.55	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	187	187	< 0.005	< 0.005	0.09	188
Vendor	< 0.005	0.17	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	159	159	< 0.005	0.02	0.05	166
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.17	0.18	0.01	0.05	0.06	—	483	483	0.01	0.08	0.18	506
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	31.0	31.0	< 0.005	< 0.005	0.02	31.2
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.01	27.5

Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	79.9	79.9	< 0.005	0.01	0.03	83.8
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3.11. 10-Commissioning / Startup and Testing (2039) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	2.45	6.24	0.01	0.02	—	0.02	0.02	—	0.02	—	1,132	1,132	0.05	0.01	—	1,136
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.45	1.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	187	187	0.01	< 0.005	—	188
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.01	0.25	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	242	242	< 0.005	0.04	0.12	253
Hauling	< 0.005	0.31	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	301	301	< 0.005	0.05	0.21	315
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.45	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	162	162	< 0.005	< 0.005	< 0.005	162
Vendor	0.01	0.27	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	243	243	< 0.005	0.04	< 0.005	253
Hauling	< 0.005	0.32	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	301	301	< 0.005	0.05	0.01	315
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.14	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	50.8	50.8	< 0.005	< 0.005	0.02	51.0
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	75.7	75.7	< 0.005	0.01	0.02	79.1
Hauling	< 0.005	0.10	0.02	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	93.9	93.9	< 0.005	0.01	0.03	98.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.41	8.41	< 0.005	< 0.005	< 0.005	8.45
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	< 0.005	13.1
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	< 0.005	16.3

3.12. 10-Commissioning / Startup and Testing (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	2.45	6.24	0.01	0.02	—	0.02	0.02	—	0.02	—	1,132	1,132	0.05	0.01	—	1,136
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.45	1.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	187	187	0.01	< 0.005	—	188
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.01	0.25	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	242	242	< 0.005	0.04	0.12	253
Hauling	< 0.005	0.31	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	301	301	< 0.005	0.05	0.21	315
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.45	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	162	162	< 0.005	< 0.005	< 0.005	162
Vendor	0.01	0.27	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	243	243	< 0.005	0.04	< 0.005	253
Hauling	< 0.005	0.32	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	301	301	< 0.005	0.05	0.01	315

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.14	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	50.8	50.8	< 0.005	< 0.005	0.02	51.0
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	75.7	75.7	< 0.005	0.01	0.02	79.1
Hauling	< 0.005	0.10	0.02	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	93.9	93.9	< 0.005	0.01	0.03	98.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.41	8.41	< 0.005	< 0.005	< 0.005	8.45
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	< 0.005	13.1
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	< 0.005	16.3

3.13. 6-Equipment , Structural Steel & Building Erection, Piping (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	4.91	16.8	0.03	0.06	—	0.06	0.06	—	0.06	—	3,136	3,136	0.13	0.03	—	3,147

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.90	3.07	0.01	0.01	—	0.01	0.01	—	0.01	—	519	519	0.02	< 0.005	—	521
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.08	1.42	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	476	476	0.01	0.01	0.53	478
Vendor	0.01	0.48	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.33	487
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	103	103	< 0.005	0.02	0.09	108
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.09	1.35	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	456	456	0.01	0.01	0.01	457
Vendor	0.01	0.51	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.01	488
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	103	103	< 0.005	0.02	< 0.005	108
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.59	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	201	201	< 0.005	< 0.005	0.10	202
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	204	204	< 0.005	0.03	0.06	214
Hauling	< 0.005	0.05	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	45.2	45.2	< 0.005	0.01	0.02	47.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	33.3	33.3	< 0.005	< 0.005	0.02	33.4
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	33.8	33.8	< 0.005	0.01	0.01	35.4
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.48	7.48	< 0.005	< 0.005	< 0.005	7.84

3.14. 6-Equipment , Structural Steel & Building Erection, Piping (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	4.91	16.8	0.03	0.06	—	0.06	0.06	—	0.06	—	3,136	3,136	0.13	0.03	—	3,147
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.90	3.07	0.01	0.01	—	0.01	0.01	—	0.01	—	519	519	0.02	< 0.005	—	521
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.08	1.42	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	476	476	0.01	0.01	0.53	478
Vendor	0.01	0.48	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.33	487

Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	103	103	< 0.005	0.02	0.09	108
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.09	1.35	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	456	456	0.01	0.01	0.01	457
Vendor	0.01	0.51	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.01	488
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	103	103	< 0.005	0.02	< 0.005	108
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.59	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	201	201	< 0.005	< 0.005	0.10	202
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	204	204	< 0.005	0.03	0.06	214
Hauling	< 0.005	0.05	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	45.2	45.2	< 0.005	0.01	0.02	47.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	33.3	33.3	< 0.005	< 0.005	0.02	33.4
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	33.8	33.8	< 0.005	0.01	0.01	35.4
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.48	7.48	< 0.005	< 0.005	< 0.005	7.84

3.15. 6-Equipment , Structural Steel & Building Erection, Piping (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,179
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.93	6.61	0.01	0.02	—	0.02	0.02	—	0.02	—	1,232	1,232	0.05	0.01	—	1,236
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.35	1.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	204	204	0.01	< 0.005	—	205
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.29	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	453	453	0.01	0.01	0.01	455
Vendor	0.01	0.50	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	456	456	0.01	0.07	0.01	476
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	< 0.005	107
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.22	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	78.6	78.6	< 0.005	< 0.005	0.03	79.0
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	78.6	78.6	< 0.005	0.01	0.02	82.0
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.5	17.5	< 0.005	< 0.005	0.01	18.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.01	13.1
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	< 0.005	13.6
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.90	2.90	< 0.005	< 0.005	< 0.005	3.05

3.16. 6-Equipment , Structural Steel & Building Erection, Piping (2038) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,179
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.93	6.61	0.01	0.02	—	0.02	0.02	—	0.02	—	1,232	1,232	0.05	0.01	—	1,236
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.35	1.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	204	204	0.01	< 0.005	—	205
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.29	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	453	453	0.01	0.01	0.01	455
Vendor	0.01	0.50	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	456	456	0.01	0.07	0.01	476
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	< 0.005	107

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.22	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	78.6	78.6	< 0.005	< 0.005	0.03	79.0
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	78.6	78.6	< 0.005	0.01	0.02	82.0
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.5	17.5	< 0.005	< 0.005	0.01	18.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.01	13.1
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	< 0.005	13.6
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.90	2.90	< 0.005	< 0.005	< 0.005	3.05

3.17. 7-Electrical & Instrumentation (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	5.60	20.7	0.04	0.07	—	0.07	0.07	—	0.07	—	3,987	3,987	0.16	0.03	—	4,001

SCG-VCM Project -Avocado Site- Criteria Pollutants - Individual Phases Detailed Report, 8/11/2025

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.02	3.78	0.01	0.01	—	0.01	0.01	—	0.01	—	660	660	0.03	0.01	—	662
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.63	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	219	219	< 0.005	< 0.005	0.21	220
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	332	332	0.01	0.05	0.20	346
Hauling	< 0.005	0.10	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	0.08	107
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.60	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	209	209	< 0.005	< 0.005	0.01	210
Vendor	0.01	0.36	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	332	332	0.01	0.05	0.01	346
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	< 0.005	107
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.35	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	127	127	< 0.005	< 0.005	0.05	128
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	201	201	< 0.005	0.03	0.05	209
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.6	61.6	< 0.005	0.01	0.02	64.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.1	21.1	< 0.005	< 0.005	0.01	21.2
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	33.2	33.2	< 0.005	< 0.005	0.01	34.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	< 0.005	10.7

3.18. 7-Electrical & Instrumentation (2038) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	5.60	20.7	0.04	0.07	—	0.07	0.07	—	0.07	—	3,987	3,987	0.16	0.03	—	4,001
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.02	3.78	0.01	0.01	—	0.01	0.01	—	0.01	—	660	660	0.03	0.01	—	662
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.63	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	219	219	< 0.005	< 0.005	0.21	220
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	332	332	0.01	0.05	0.20	346

Hauling	< 0.005	0.10	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	0.08	107
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.60	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	209	209	< 0.005	< 0.005	0.01	210
Vendor	0.01	0.36	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	332	332	0.01	0.05	0.01	346
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	< 0.005	107
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.35	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	127	127	< 0.005	< 0.005	0.05	128
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	201	201	< 0.005	0.03	0.05	209
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.6	61.6	< 0.005	0.01	0.02	64.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.1	21.1	< 0.005	< 0.005	0.01	21.2
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	33.2	33.2	< 0.005	< 0.005	0.01	34.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	< 0.005	10.7

3.19. 7-Electrical & Instrumentation (2039) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.22	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	155	155	0.01	< 0.005	—	155
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.6	25.6	< 0.005	< 0.005	—	25.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.57	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	208	208	< 0.005	< 0.005	< 0.005	208
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	323	323	0.01	0.05	< 0.005	338
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	100	100	< 0.005	0.02	< 0.005	105
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.91	4.91	< 0.005	< 0.005	< 0.005	4.93
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.59	7.59	< 0.005	< 0.005	< 0.005	7.93
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.35	2.35	< 0.005	< 0.005	< 0.005	2.46
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.82
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.31
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.39	0.39	< 0.005	< 0.005	< 0.005	0.41

3.20. 7-Electrical & Instrumentation (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.22	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	155	155	0.01	< 0.005	—	155
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.6	25.6	< 0.005	< 0.005	—	25.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.57	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	208	208	< 0.005	< 0.005	< 0.005	208
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	323	323	0.01	0.05	< 0.005	338
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	100	100	< 0.005	0.02	< 0.005	105

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.91	4.91	< 0.005	< 0.005	< 0.005	4.93
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.59	7.59	< 0.005	< 0.005	< 0.005	7.93
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.35	2.35	< 0.005	< 0.005	< 0.005	2.46
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.82
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.31
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.39	0.39	< 0.005	< 0.005	< 0.005	0.41

3.21. 11-Post Construction / Site Restoration (2039) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.43	0.36	0.01	0.03	0.52	0.54	0.03	0.15	0.17	—	1,402	1,402	0.02	0.22	0.97	1,469
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.81	9.81	< 0.005	< 0.005	< 0.005	9.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	84.5	84.5	< 0.005	0.01	0.03	88.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.62	1.62	< 0.005	< 0.005	< 0.005	1.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.0	14.0	< 0.005	< 0.005	< 0.005	14.7

3.22. 11-Post Construction / Site Restoration (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.43	0.36	0.01	0.03	0.52	0.54	0.03	0.15	0.17	—	1,402	1,402	0.02	0.22	0.97	1,469
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.81	9.81	< 0.005	< 0.005	< 0.005	9.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	84.5	84.5	< 0.005	0.01	0.03	88.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.62	1.62	< 0.005	< 0.005	< 0.005	1.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.0	14.0	< 0.005	< 0.005	< 0.005	14.7

3.23. 2-Road Widening & Utilities (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	3.28	31.1	0.05	0.12	—	0.12	0.12	—	0.12	—	5,911	5,911	0.24	0.05	—	5,932
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.60	5.68	0.01	0.02	—	0.02	0.02	—	0.02	—	979	979	0.04	0.01	—	982
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.08	1.38	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	424	424	0.01	< 0.005	0.62	426
Vendor	0.01	0.28	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	271	271	< 0.005	0.04	0.26	283
Hauling	0.06	4.61	1.12	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,457	4,457	0.05	0.72	4.98	4,678
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.16	0.10	1.31	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	405	405	0.01	< 0.005	0.02	407
Vendor	0.01	0.29	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	271	271	< 0.005	0.04	0.01	283
Hauling	0.06	4.79	1.13	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,458	4,458	0.05	0.72	0.13	4,674
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.31	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	98.3	98.3	< 0.005	< 0.005	0.06	98.7
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	65.1	65.1	< 0.005	0.01	0.03	68.2
Hauling	0.01	1.16	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,073	1,073	0.01	0.17	0.52	1,125
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.01	16.3
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	< 0.005	11.3
Hauling	< 0.005	0.21	0.05	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	178	178	< 0.005	0.03	0.09	186

3.24. 2-Road Widening & Utilities (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
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

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	3.28	31.1	0.05	0.12	—	0.12	0.12	—	0.12	—	5,911	5,911	0.24	0.05	—	5,932
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.60	5.68	0.01	0.02	—	0.02	0.02	—	0.02	—	979	979	0.04	0.01	—	982
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.08	1.38	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	424	424	0.01	< 0.005	0.62	426
Vendor	0.01	0.28	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	271	271	< 0.005	0.04	0.26	283
Hauling	0.06	4.61	1.12	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,457	4,457	0.05	0.72	4.98	4,678
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.10	1.31	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	405	405	0.01	< 0.005	0.02	407
Vendor	0.01	0.29	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	271	271	< 0.005	0.04	0.01	283
Hauling	0.06	4.79	1.13	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,458	4,458	0.05	0.72	0.13	4,674
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.31	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	98.3	98.3	< 0.005	< 0.005	0.06	98.7
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	65.1	65.1	< 0.005	0.01	0.03	68.2
Hauling	0.01	1.16	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,073	1,073	0.01	0.17	0.52	1,125
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.01	16.3
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	< 0.005	11.3

Hauling	< 0.005	0.21	0.05	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	178	178	< 0.005	0.03	0.09	186
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3.25. 2-Road Widening & Utilities (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	4.34	41.3	0.07	0.15	—	0.15	0.15	—	0.15	—	7,834	7,834	0.32	0.06	—	7,860
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.79	7.53	0.01	0.03	—	0.03	0.03	—	0.03	—	1,297	1,297	0.05	0.01	—	1,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.07	1.30	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	419	419	0.01	< 0.005	0.54	421
Vendor	0.01	0.27	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	262	262	< 0.005	0.04	0.22	274
Hauling	0.06	4.46	1.08	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,358	4,358	0.05	0.68	4.35	4,567
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	401	401	0.01	< 0.005	0.01	403
Vendor	0.01	0.29	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	262	262	< 0.005	0.04	0.01	274
Hauling	0.06	4.64	1.09	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,359	4,359	0.05	0.68	0.11	4,564
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.39	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	129	129	< 0.005	< 0.005	0.07	129
Vendor	< 0.005	0.09	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	83.5	83.5	< 0.005	0.01	0.03	87.3
Hauling	0.02	1.47	0.35	0.01	0.02	0.49	0.51	0.02	0.14	0.16	—	1,390	1,390	0.01	0.22	0.60	1,456
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.3	21.3	< 0.005	< 0.005	0.01	21.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	< 0.005	14.5
Hauling	< 0.005	0.27	0.06	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	230	230	< 0.005	0.04	0.10	241

3.26. 2-Road Widening & Utilities (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	4.34	41.3	0.07	0.15	—	0.15	0.15	—	0.15	—	7,834	7,834	0.32	0.06	—	7,860
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.79	7.53	0.01	0.03	—	0.03	0.03	—	0.03	—	1,297	1,297	0.05	0.01	—	1,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.07	1.30	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	419	419	0.01	< 0.005	0.54	421
Vendor	0.01	0.27	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	262	262	< 0.005	0.04	0.22	274
Hauling	0.06	4.46	1.08	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,358	4,358	0.05	0.68	4.35	4,567
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	401	401	0.01	< 0.005	0.01	403
Vendor	0.01	0.29	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	262	262	< 0.005	0.04	0.01	274
Hauling	0.06	4.64	1.09	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,359	4,359	0.05	0.68	0.11	4,564

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.39	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	129	129	< 0.005	< 0.005	0.07	129
Vendor	< 0.005	0.09	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	83.5	83.5	< 0.005	0.01	0.03	87.3
Hauling	0.02	1.47	0.35	0.01	0.02	0.49	0.51	0.02	0.14	0.16	—	1,390	1,390	0.01	0.22	0.60	1,456
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.3	21.3	< 0.005	< 0.005	0.01	21.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	< 0.005	14.5
Hauling	< 0.005	0.27	0.06	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	230	230	< 0.005	0.04	0.10	241

3.27. A3-Gas Pipeline (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	5.21	42.9	0.08	0.16	—	0.16	0.16	—	0.16	—	8,793	8,793	0.36	0.07	—	8,823
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.30	2.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	506	506	0.02	< 0.005	—	508
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.01	0.05	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	83.8	83.8	< 0.005	< 0.005	—	84.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.55	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	168	168	< 0.005	< 0.005	0.25	169
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	45.1	45.1	< 0.005	0.01	0.04	47.2
Hauling	0.01	0.92	0.23	0.01	0.01	0.30	0.32	0.01	0.09	0.10	—	881	881	0.01	0.14	0.98	925
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.32	9.32	< 0.005	< 0.005	0.01	9.37
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.60	2.60	< 0.005	< 0.005	< 0.005	2.72
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	50.7	50.7	< 0.005	0.01	0.02	53.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.55
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.43	0.43	< 0.005	< 0.005	< 0.005	0.45
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.39	8.39	< 0.005	< 0.005	< 0.005	8.80

3.28. A3-Gas Pipeline (2035) - Mitigated

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

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

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Off-Road Equipment	0.82	5.21	42.9	0.08	0.16	—	0.16	0.16	—	0.16	—	8,793	8,793	0.36	0.07	—	8,823
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.30	2.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	506	506	0.02	< 0.005	—	508
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	83.8	83.8	< 0.005	< 0.005	—	84.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.55	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	168	168	< 0.005	< 0.005	0.25	169
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	45.1	45.1	< 0.005	0.01	0.04	47.2
Hauling	0.01	0.92	0.23	0.01	0.01	0.30	0.32	0.01	0.09	0.10	—	881	881	0.01	0.14	0.98	925
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.32	9.32	< 0.005	< 0.005	0.01	9.37
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.60	2.60	< 0.005	< 0.005	< 0.005	2.72
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	50.7	50.7	< 0.005	0.01	0.02	53.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.55
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.43	0.43	< 0.005	< 0.005	< 0.005	0.45
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.39	8.39	< 0.005	< 0.005	< 0.005	8.80

3.29. A4-Electrical Interconnect (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.43	0.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	115	115	< 0.005	< 0.005	—	115
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.0	19.0	< 0.005	< 0.005	—	19.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.49	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	159	159	< 0.005	< 0.005	0.01	160
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.01	0.59	0.14	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	551	551	0.01	0.09	0.01	577
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	19.3	19.3	< 0.005	< 0.005	0.01	19.4
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	42.1	42.1	< 0.005	0.01	0.02	44.0
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.4	66.4	< 0.005	0.01	0.03	69.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.20	3.20	< 0.005	< 0.005	< 0.005	3.21
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.97	6.97	< 0.005	< 0.005	< 0.005	7.28
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	< 0.005	11.5

3.30. A4-Electrical Interconnect (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.02	0.43	0.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	115	115	< 0.005	< 0.005	—	115
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.0	19.0	< 0.005	< 0.005	—	19.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.49	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	159	159	< 0.005	< 0.005	0.01	160
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.01	0.59	0.14	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	551	551	0.01	0.09	0.01	577
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	19.3	19.3	< 0.005	< 0.005	0.01	19.4
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	42.1	42.1	< 0.005	0.01	0.02	44.0
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.4	66.4	< 0.005	0.01	0.03	69.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.20	3.20	< 0.005	< 0.005	< 0.005	3.21
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.97	6.97	< 0.005	< 0.005	< 0.005	7.28
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	< 0.005	11.5

3.31. 8-Paving (2039) - Unmitigated

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

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Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.1	52.1	< 0.005	< 0.005	—	52.2
Paving	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.62	8.62	< 0.005	< 0.005	—	8.65
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.35	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	127	127	< 0.005	< 0.005	< 0.005	127

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.42	0.33	0.01	0.02	0.50	0.52	0.02	0.14	0.16	—	1,347	1,347	0.01	0.21	0.02	1,410
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.1	15.1	< 0.005	< 0.005	0.01	15.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	159	159	< 0.005	0.02	0.05	166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.49	2.49	< 0.005	< 0.005	< 0.005	2.50
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.01	27.5

3.32. 8-Paving (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.1	52.1	< 0.005	< 0.005	—	52.2

Paving	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.62	8.62	< 0.005	< 0.005	—	8.65
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.35	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	127	127	< 0.005	< 0.005	< 0.005	127
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.42	0.33	0.01	0.02	0.50	0.52	0.02	0.14	0.16	—	1,347	1,347	0.01	0.21	0.02	1,410
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.1	15.1	< 0.005	< 0.005	0.01	15.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	159	159	< 0.005	0.02	0.05	166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.49	2.49	< 0.005	< 0.005	< 0.005	2.50
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.01	27.5

3.33. 9-Painting/Insulation (2039) - Unmitigated

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

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Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.76	2.62	0.01	0.01	—	0.01	0.01	—	0.01	—	400	400	0.02	< 0.005	—	401
Architectural Coatings	4.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.76	2.62	0.01	0.01	—	0.01	0.01	—	0.01	—	400	400	0.02	< 0.005	—	401
Architectural Coatings	4.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.20	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.0	46.0	< 0.005	< 0.005	—	46.1
Architectural Coatings	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.61	7.61	< 0.005	< 0.005	—	7.64

Architect ural	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.1	24.1	< 0.005	< 0.005	0.02	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.02	0.25	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,010	1,010	0.01	0.16	0.70	1,058
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.1	23.1	< 0.005	< 0.005	< 0.005	23.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.06	0.25	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,010	1,010	0.01	0.16	0.02	1,057
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.67	2.67	< 0.005	< 0.005	< 0.005	2.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	116	116	< 0.005	0.02	0.03	122
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.44
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.2	19.2	< 0.005	< 0.005	0.01	20.1

3.34. 9-Painting/Insulation (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.76	2.62	0.01	0.01	—	0.01	0.01	—	0.01	—	400	400	0.02	< 0.005	—	401
Architectural Coatings	4.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.76	2.62	0.01	0.01	—	0.01	0.01	—	0.01	—	400	400	0.02	< 0.005	—	401
Architectural Coatings	4.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.20	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.0	46.0	< 0.005	< 0.005	—	46.1
Architectural Coatings	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.61	7.61	< 0.005	< 0.005	—	7.64
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.1	24.1	< 0.005	< 0.005	0.02	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.02	0.25	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,010	1,010	0.01	0.16	0.70	1,058
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.1	23.1	< 0.005	< 0.005	< 0.005	23.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.06	0.25	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,010	1,010	0.01	0.16	0.02	1,057
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.67	2.67	< 0.005	< 0.005	< 0.005	2.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	116	116	< 0.005	0.02	0.03	122
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.44
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.2	19.2	< 0.005	< 0.005	0.01	20.1

3.35. 5-Trenching/Undergrounds (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.13	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.96	8.96	< 0.005	< 0.005	—	8.99
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.84	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	281	281	< 0.005	< 0.005	0.31	282
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.3	42.3	< 0.005	0.01	0.03	44.3
Hauling	0.02	1.05	0.26	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,039	1,039	0.01	0.17	0.92	1,090
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.05	0.80	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	269	269	0.01	< 0.005	0.01	270
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.4	42.4	< 0.005	0.01	< 0.005	44.3
Hauling	0.01	1.09	0.26	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,039	1,039	0.01	0.17	0.02	1,089
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.0	43.0	< 0.005	< 0.005	0.02	43.2
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	< 0.005	7.04
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	165	165	< 0.005	0.03	0.06	173
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.12	7.12	< 0.005	< 0.005	< 0.005	7.15
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.17
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.3	27.3	< 0.005	< 0.005	0.01	28.7

3.36. 5-Trenching/Undergrounds (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.13	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.96	8.96	< 0.005	< 0.005	—	8.99
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.84	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	281	281	< 0.005	< 0.005	0.31	282
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.3	42.3	< 0.005	0.01	0.03	44.3
Hauling	0.02	1.05	0.26	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,039	1,039	0.01	0.17	0.92	1,090
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.80	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	269	269	0.01	< 0.005	0.01	270
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.4	42.4	< 0.005	0.01	< 0.005	44.3
Hauling	0.01	1.09	0.26	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,039	1,039	0.01	0.17	0.02	1,089
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.0	43.0	< 0.005	< 0.005	0.02	43.2
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	< 0.005	7.04
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	165	165	< 0.005	0.03	0.06	173
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.12	7.12	< 0.005	< 0.005	< 0.005	7.15
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.17

Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.3	27.3	< 0.005	< 0.005	0.01	28.7
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3.37. 3-Mass Excavation and Cut Disposal (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.23	17.6	0.03	0.06	—	0.06	0.06	—	0.06	—	2,906	2,906	0.12	0.02	—	2,916
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.41	3.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	481	481	0.02	< 0.005	—	483
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.86	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	277	277	< 0.005	< 0.005	0.35	279
Vendor	0.01	0.54	0.21	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	523	523	0.01	0.08	0.44	547
Hauling	0.11	8.19	1.99	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	8,009	8,009	0.08	1.26	8.00	8,393
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.06	0.82	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	265	265	0.01	< 0.005	0.01	266
Vendor	0.01	0.57	0.22	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	524	524	0.01	0.08	0.01	547
Hauling	0.11	8.52	2.01	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	8,011	8,011	0.08	1.26	0.21	8,388
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.32	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	106	106	< 0.005	< 0.005	0.06	107
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	208	208	< 0.005	0.03	0.07	217
Hauling	0.04	3.37	0.79	0.03	0.05	1.12	1.18	0.05	0.32	0.37	—	3,182	3,182	0.03	0.50	1.37	3,333
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	17.6	17.6	< 0.005	< 0.005	0.01	17.7
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.4	34.4	< 0.005	0.01	0.01	36.0
Hauling	0.01	0.62	0.14	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	527	527	0.01	0.08	0.23	552

3.38. 3-Mass Excavation and Cut Disposal (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.23	17.6	0.03	0.06	—	0.06	0.06	—	0.06	—	2,906	2,906	0.12	0.02	—	2,916
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.41	3.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	481	481	0.02	< 0.005	—	483
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.86	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	277	277	< 0.005	< 0.005	0.35	279
Vendor	0.01	0.54	0.21	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	523	523	0.01	0.08	0.44	547
Hauling	0.11	8.19	1.99	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	8,009	8,009	0.08	1.26	8.00	8,393
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.06	0.82	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	265	265	0.01	< 0.005	0.01	266
Vendor	0.01	0.57	0.22	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	524	524	0.01	0.08	0.01	547
Hauling	0.11	8.52	2.01	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	8,011	8,011	0.08	1.26	0.21	8,388

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.32	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	106	106	< 0.005	< 0.005	0.06	107
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	208	208	< 0.005	0.03	0.07	217
Hauling	0.04	3.37	0.79	0.03	0.05	1.12	1.18	0.05	0.32	0.37	—	3,182	3,182	0.03	0.50	1.37	3,333
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	17.6	17.6	< 0.005	< 0.005	0.01	17.7
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.4	34.4	< 0.005	0.01	0.01	36.0
Hauling	0.01	0.62	0.14	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	527	527	0.01	0.08	0.23	552

3.39. 3-Mass Excavation and Cut Disposal (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.22	1.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	286	286	0.01	< 0.005	—	287
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.01	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.4	47.4	< 0.005	< 0.005	—	47.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.78	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	263	263	< 0.005	< 0.005	0.01	264
Vendor	0.01	0.55	0.21	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	508	508	0.01	0.08	0.01	532
Hauling	0.11	8.24	1.95	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	7,853	7,853	0.08	1.26	0.18	8,230
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.9	19.9	< 0.005	< 0.005	0.01	20.8
Hauling	< 0.005	0.32	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	307	307	< 0.005	0.05	0.12	322
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.72
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.29	3.29	< 0.005	< 0.005	< 0.005	3.45
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.9	50.9	< 0.005	0.01	0.02	53.3

3.40. 3-Mass Excavation and Cut Disposal (2037) - Mitigated

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

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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.22	1.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	286	286	0.01	< 0.005	—	287
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.4	47.4	< 0.005	< 0.005	—	47.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.78	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	263	263	< 0.005	< 0.005	0.01	264
Vendor	0.01	0.55	0.21	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	508	508	0.01	0.08	0.01	532
Hauling	0.11	8.24	1.95	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	7,853	7,853	0.08	1.26	0.18	8,230
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.9	19.9	< 0.005	< 0.005	0.01	20.8
Hauling	< 0.005	0.32	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	307	307	< 0.005	0.05	0.12	322
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.72
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.29	3.29	< 0.005	< 0.005	< 0.005	3.45
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.9	50.9	< 0.005	0.01	0.02	53.3

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
12-Decomissioning Demolition	Demolition	6/21/2040	9/24/2040	5.00	68.0	—
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Site Preparation	7/2/2035	8/30/2035	5.00	44.0	—
A1-Site Assessment	Site Preparation	7/3/2034	7/8/2034	5.00	5.00	—
A2-Soil Remediation	Site Preparation	7/2/2035	7/30/2035	5.00	21.0	—

4-Foundations	Building Construction	1/21/2037	9/16/2037	5.00	171	—
10-Commissioning / Startup and Testing	Building Construction	1/13/2039	6/21/2039	5.00	114	—
6-Equipment , Structural Steel & Building Erection, Piping	Building Construction	5/22/2037	3/29/2038	5.00	222	—
7-Electrical & Instrumentation	Building Construction	2/26/2038	1/12/2039	5.00	229	—
11-Post Construction / Site Restoration	Building Construction	6/22/2039	7/21/2039	5.00	22.0	—
2-Road Widening & Utilities	Building Construction	8/31/2035	6/11/2036	5.00	204	—
A3-Gas Pipeline	Building Construction	7/2/2035	7/30/2035	5.00	21.0	—
A4-Electrical Interconnect	Building Construction	1/30/2036	3/31/2036	5.00	44.0	—
8-Paving	Paving	1/13/2039	3/14/2039	5.00	43.0	—
9-Painting/Insulation	Architectural Coating	2/11/2039	4/11/2039	5.00	42.0	—
5-Trenching/Underground s	Trenching	8/17/2037	11/4/2037	5.00	58.0	—
3-Mass Excavation and Cut Disposal	Trenching	6/12/2036	1/20/2037	5.00	159	—

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
12-Decomissioning Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
12-Decomissioning Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
12-Decomissioning Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
12-Decomissioning Demolition	Aerial Lifts	Electric	Average	1.00	8.00	46.0	0.31

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12-Decomissioning Demolition	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
12-Decomissioning Demolition	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
12-Decomissioning Demolition	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
12-Decomissioning Demolition	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
12-Decomissioning Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	225	0.37
12-Decomissioning Demolition	Welders	Electric	Average	3.00	8.00	46.0	0.45
12-Decomissioning Demolition	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38

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A1-Site Assessment	Tractors/Loaders/Back	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A2-Soil Remediation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A2-Soil Remediation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A2-Soil Remediation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A2-Soil Remediation	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	225	0.37
4-Foundations	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
4-Foundations	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
4-Foundations	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
4-Foundations	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
4-Foundations	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	10.0	0.48
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
4-Foundations	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
4-Foundations	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	170	0.40
10-Commissioning / Startup and Testing	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
10-Commissioning / Startup and Testing	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
10-Commissioning / Startup and Testing	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
10-Commissioning / Startup and Testing	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
10-Commissioning / Startup and Testing	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45

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10-Commissioning / Startup and Testing	Welders	Electric	Average	3.00	8.00	46.0	0.45
10-Commissioning / Startup and Testing	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
10-Commissioning / Startup and Testing	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
10-Commissioning / Startup and Testing	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
6-Equipment , Structural Steel & Building Erection, Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	122	0.20

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6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Electric	Average	5.00	8.00	46.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	67.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Electric	Average	5.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
6-Equipment , Structural Steel & Building Erection, Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
7-Electrical & Instrumentation	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
7-Electrical & Instrumentation	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74

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7-Electrical & Instrumentation	Tractors/Loaders/Back	Diesel	Tier 4 Final	2.00	7.00	225	0.37
7-Electrical & Instrumentation	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
7-Electrical & Instrumentation	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
7-Electrical & Instrumentation	Welders	Electric	Average	5.00	8.00	46.0	0.45
7-Electrical & Instrumentation	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
7-Electrical & Instrumentation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
2-Road Widening & Utilities	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	8.00	500	0.29
2-Road Widening & Utilities	Excavators	Diesel	Tier 4 Final	2.00	8.00	346	0.38
2-Road Widening & Utilities	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
2-Road Widening & Utilities	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
2-Road Widening & Utilities	Rollers	Diesel	Tier 4 Final	2.00	8.00	125	0.38
2-Road Widening & Utilities	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
2-Road Widening & Utilities	Plate Compactors	Diesel	Tier 4 Final	1.00	8.00	249	0.43
2-Road Widening & Utilities	Scrapers	Diesel	Tier 4 Final	6.00	8.00	570	0.48

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2-Road Widening & Utilities	Pavers	Diesel	Tier 4 Final	1.00	8.00	173	0.42
A3-Gas Pipeline	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A3-Gas Pipeline	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
A3-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	2.00	8.00	319	0.42
A3-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	109	0.42
A3-Gas Pipeline	Welders	Diesel	Tier 4 Final	3.00	8.00	24.0	0.45
A3-Gas Pipeline	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A3-Gas Pipeline	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A3-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
A4-Electrical Interconnect	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
A4-Electrical Interconnect	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
A4-Electrical Interconnect	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	49.0	0.74
8-Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
9-Painting/Insulation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
9-Painting/Insulation	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
5-Trenching/Undergro unds	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
5-Trenching/Undergro unds	Pumps	Diesel	Tier 4 Final	2.00	8.00	11.0	0.74
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
3-Mass Excavation and Cut Disposal	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
3-Mass Excavation and Cut Disposal	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48

3-Mass Excavation and Cut Disposal	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	180	0.37
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
3-Mass Excavation and Cut Disposal	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	125	0.40
3-Mass Excavation and Cut Disposal	Plate Compactors	Diesel	Tier 4 Final	1.00	8.00	249	0.43
3-Mass Excavation and Cut Disposal	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
3-Mass Excavation and Cut Disposal	Excavators	Diesel	Tier 4 Final	2.00	8.00	346	0.38

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
12-Decomissioning Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
12-Decomissioning Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
12-Decomissioning Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
12-Decomissioning Demolition	Aerial Lifts	Electric	Average	1.00	8.00	46.0	0.31
12-Decomissioning Demolition	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
12-Decomissioning Demolition	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
12-Decomissioning Demolition	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
12-Decomissioning Demolition	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74

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12-Decomissioning Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	225	0.37
12-Decomissioning Demolition	Welders	Electric	Average	3.00	8.00	46.0	0.45
12-Decomissioning Demolition	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
A1-Site Assessment	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A2-Soil Remediation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A2-Soil Remediation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A2-Soil Remediation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A2-Soil Remediation	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74

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4-Foundations	Tractors/Loaders/Back	Diesel	Tier 4 Final	1.00	7.00	225	0.37
4-Foundations	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
4-Foundations	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
4-Foundations	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
4-Foundations	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
4-Foundations	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	10.0	0.48
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
4-Foundations	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
4-Foundations	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	170	0.40
10-Commissioning / Startup and Testing	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
10-Commissioning / Startup and Testing	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
10-Commissioning / Startup and Testing	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
10-Commissioning / Startup and Testing	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
10-Commissioning / Startup and Testing	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
10-Commissioning / Startup and Testing	Welders	Electric	Average	3.00	8.00	46.0	0.45
10-Commissioning / Startup and Testing	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
10-Commissioning / Startup and Testing	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48

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10-Commissioning / Startup and Testing	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
6-Equipment , Structural Steel & Building Erection, Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	122	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Electric	Average	5.00	8.00	46.0	0.45

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6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	67.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Electric	Average	5.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
6-Equipment , Structural Steel & Building Erection, Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
7-Electrical & Instrumentation	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
7-Electrical & Instrumentation	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
7-Electrical & Instrumentation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
7-Electrical & Instrumentation	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
7-Electrical & Instrumentation	Forklifts	Electric	Average	1.00	8.00	82.0	0.20

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7-Electrical & Instrumentation	Welders	Electric	Average	5.00	8.00	46.0	0.45
7-Electrical & Instrumentation	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
7-Electrical & Instrumentation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
2-Road Widening & Utilities	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	8.00	500	0.29
2-Road Widening & Utilities	Excavators	Diesel	Tier 4 Final	2.00	8.00	346	0.38
2-Road Widening & Utilities	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
2-Road Widening & Utilities	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
2-Road Widening & Utilities	Rollers	Diesel	Tier 4 Final	2.00	8.00	125	0.38
2-Road Widening & Utilities	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
2-Road Widening & Utilities	Plate Compactors	Diesel	Tier 4 Final	1.00	8.00	249	0.43
2-Road Widening & Utilities	Scrapers	Diesel	Tier 4 Final	6.00	8.00	570	0.48
2-Road Widening & Utilities	Pavers	Diesel	Tier 4 Final	1.00	8.00	173	0.42
A3-Gas Pipeline	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A3-Gas Pipeline	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
A3-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	2.00	8.00	319	0.42
A3-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	109	0.42

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A3-Gas Pipeline	Welders	Diesel	Tier 4 Final	3.00	8.00	24.0	0.45
A3-Gas Pipeline	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A3-Gas Pipeline	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A3-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
A4-Electrical Interconnect	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
A4-Electrical Interconnect	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
A4-Electrical Interconnect	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	49.0	0.74
8-Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
9-Painting/Insulation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
9-Painting/Insulation	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
5-Trenching/Undergro unds	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
5-Trenching/Undergro unds	Pumps	Diesel	Tier 4 Final	2.00	8.00	11.0	0.74
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
3-Mass Excavation and Cut Disposal	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
3-Mass Excavation and Cut Disposal	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
3-Mass Excavation and Cut Disposal	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	180	0.37
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
3-Mass Excavation and Cut Disposal	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	125	0.40
3-Mass Excavation and Cut Disposal	Plate Compactors	Diesel	Tier 4 Final	1.00	8.00	249	0.43

3-Mass Excavation and Cut Disposal	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
3-Mass Excavation and Cut Disposal	Excavators	Diesel	Tier 4 Final	2.00	8.00	346	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
4-Foundations	—	—	—	—
4-Foundations	Worker	68.0	10.0	LDA,LDT1,LDT2
4-Foundations	Vendor	16.0	10.0	HHDT,MHDT
4-Foundations	Hauling	10.0	41.0	HHDT
4-Foundations	Onsite truck	—	—	HHDT
5-Trenching/Undergrounds	—	—	—	—
5-Trenching/Undergrounds	Worker	46.0	10.0	LDA,LDT1,LDT2
5-Trenching/Undergrounds	Vendor	2.00	10.0	HHDT,MHDT
5-Trenching/Undergrounds	Hauling	9.00	46.0	HHDT
5-Trenching/Undergrounds	Onsite truck	—	—	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	—	—	—	—
6-Equipment , Structural Steel & Building Erection, Piping	Worker	78.0	10.0	LDA,LDT1,LDT2
6-Equipment , Structural Steel & Building Erection, Piping	Vendor	22.0	10.0	HHDT,MHDT
6-Equipment , Structural Steel & Building Erection, Piping	Hauling	1.00	41.0	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	Onsite truck	—	—	HHDT
7-Electrical & Instrumentation	—	—	—	—
7-Electrical & Instrumentation	Worker	36.0	10.0	LDA,LDT1,LDT2

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7-Electrical & Instrumentation	Vendor	16.0	10.0	HHDT,MHDT
7-Electrical & Instrumentation	Hauling	1.00	41.0	HHDT
7-Electrical & Instrumentation	Onsite truck	—	—	HHDT
8-Paving	—	—	—	—
8-Paving	Worker	22.0	10.0	LDA,LDT1,LDT2
8-Paving	Vendor	—	10.0	HHDT,MHDT
8-Paving	Hauling	12.0	46.0	HHDT
8-Paving	Onsite truck	—	—	HHDT
12-Decomissioning Demolition	—	—	—	—
12-Decomissioning Demolition	Worker	28.0	10.0	LDA,LDT1,LDT2
12-Decomissioning Demolition	Vendor	18.0	10.0	HHDT,MHDT
12-Decomissioning Demolition	Hauling	3.00	20.0	HHDT
12-Decomissioning Demolition	Onsite truck	—	—	HHDT
10-Commissioning / Startup and Testing	—	—	—	—
10-Commissioning / Startup and Testing	Worker	28.0	10.0	LDA,LDT1,LDT2
10-Commissioning / Startup and Testing	Vendor	12.0	10.0	HHDT,MHDT
10-Commissioning / Startup and Testing	Hauling	3.00	41.0	HHDT
10-Commissioning / Startup and Testing	Onsite truck	—	—	HHDT
9-Painting/Insulation	—	—	—	—
9-Painting/Insulation	Worker	4.00	10.0	LDA,LDT1,LDT2
9-Painting/Insulation	Vendor	—	10.0	HHDT,MHDT
9-Painting/Insulation	Hauling	9.00	46.0	HHDT
9-Painting/Insulation	Onsite truck	—	—	HHDT
11-Post Construction / Site Restoration	—	—	—	—

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11-Post Construction / Site Restoration	Worker	28.0	10.0	LDA,LDT1,LDT2
11-Post Construction / Site Restoration	Vendor	0.00	0.00	HHDT,MHDT
11-Post Construction / Site Restoration	Hauling	14.0	41.0	HHDT
11-Post Construction / Site Restoration	Onsite truck	—	—	HHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	—	—	—	—
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Worker	35.0	10.0	LDA,LDT1,LDT2
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Vendor	8.00	10.0	HHDT,MHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Hauling	11.0	45.0	HHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Onsite truck	—	—	HHDT
2-Road Widening & Utilities	—	—	—	—
2-Road Widening & Utilities	Worker	68.0	10.0	LDA,LDT1,LDT2
2-Road Widening & Utilities	Vendor	12.0	10.0	HHDT,MHDT
2-Road Widening & Utilities	Hauling	37.0	46.0	HHDT
2-Road Widening & Utilities	Onsite truck	—	—	HHDT
3-Mass Excavation and Cut Disposal	—	—	—	—
3-Mass Excavation and Cut Disposal	Worker	45.0	10.0	LDA,LDT1,LDT2
3-Mass Excavation and Cut Disposal	Vendor	24.0	10.0	HHDT,MHDT
3-Mass Excavation and Cut Disposal	Hauling	68.0	46.0	HHDT
3-Mass Excavation and Cut Disposal	Onsite truck	—	—	HHDT
A1-Site Assessment	—	—	—	—

A1-Site Assessment	Worker	6.00	10.0	LDA,LDT1,LDT2
A1-Site Assessment	Vendor	4.00	10.0	HHDT,MHDT
A1-Site Assessment	Hauling	0.00	46.0	HHDT
A1-Site Assessment	Onsite truck	—	—	HHDT
A2-Soil Remediation	—	—	—	—
A2-Soil Remediation	Worker	16.0	10.0	LDA,LDT1,LDT2
A2-Soil Remediation	Vendor	8.00	10.0	HHDT,MHDT
A2-Soil Remediation	Hauling	20.0	46.0	HHDT
A2-Soil Remediation	Onsite truck	—	—	HHDT
A3-Gas Pipeline	—	—	—	—
A3-Gas Pipeline	Worker	27.0	10.0	LDA,LDT1,LDT2
A3-Gas Pipeline	Vendor	2.00	10.0	HHDT,MHDT
A3-Gas Pipeline	Hauling	8.00	42.0	HHDT
A3-Gas Pipeline	Onsite truck	—	—	HHDT
A4-Electrical Interconnect	—	—	—	—
A4-Electrical Interconnect	Worker	27.0	10.0	LDA,LDT1,LDT2
A4-Electrical Interconnect	Vendor	16.0	10.0	HHDT,MHDT
A4-Electrical Interconnect	Hauling	5.00	43.0	HHDT
A4-Electrical Interconnect	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
4-Foundations	—	—	—	—
4-Foundations	Worker	68.0	10.0	LDA,LDT1,LDT2
4-Foundations	Vendor	16.0	10.0	HHDT,MHDT
4-Foundations	Hauling	10.0	41.0	HHDT
4-Foundations	Onsite truck	—	—	HHDT
5-Trenching/Undergrounds	—	—	—	—

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5-Trenching/Undergrounds	Worker	46.0	10.0	LDA,LDT1,LDT2
5-Trenching/Undergrounds	Vendor	2.00	10.0	HHDT,MHDT
5-Trenching/Undergrounds	Hauling	9.00	46.0	HHDT
5-Trenching/Undergrounds	Onsite truck	—	—	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	—	—	—	—
6-Equipment , Structural Steel & Building Erection, Piping	Worker	78.0	10.0	LDA,LDT1,LDT2
6-Equipment , Structural Steel & Building Erection, Piping	Vendor	22.0	10.0	HHDT,MHDT
6-Equipment , Structural Steel & Building Erection, Piping	Hauling	1.00	41.0	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	Onsite truck	—	—	HHDT
7-Electrical & Instrumentation	—	—	—	—
7-Electrical & Instrumentation	Worker	36.0	10.0	LDA,LDT1,LDT2
7-Electrical & Instrumentation	Vendor	16.0	10.0	HHDT,MHDT
7-Electrical & Instrumentation	Hauling	1.00	41.0	HHDT
7-Electrical & Instrumentation	Onsite truck	—	—	HHDT
8-Paving	—	—	—	—
8-Paving	Worker	22.0	10.0	LDA,LDT1,LDT2
8-Paving	Vendor	—	10.0	HHDT,MHDT
8-Paving	Hauling	12.0	46.0	HHDT
8-Paving	Onsite truck	—	—	HHDT
12-Decomissioning Demolition	—	—	—	—
12-Decomissioning Demolition	Worker	28.0	10.0	LDA,LDT1,LDT2
12-Decomissioning Demolition	Vendor	18.0	10.0	HHDT,MHDT
12-Decomissioning Demolition	Hauling	3.00	20.0	HHDT
12-Decomissioning Demolition	Onsite truck	—	—	HHDT
10-Commissioning / Startup and Testing	—	—	—	—

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10-Commissioning / Startup and Testing	Worker	28.0	10.0	LDA,LDT1,LDT2
10-Commissioning / Startup and Testing	Vendor	12.0	10.0	HHDT,MHDT
10-Commissioning / Startup and Testing	Hauling	3.00	41.0	HHDT
10-Commissioning / Startup and Testing	Onsite truck	—	—	HHDT
9-Painting/Insulation	—	—	—	—
9-Painting/Insulation	Worker	4.00	10.0	LDA,LDT1,LDT2
9-Painting/Insulation	Vendor	—	10.0	HHDT,MHDT
9-Painting/Insulation	Hauling	9.00	46.0	HHDT
9-Painting/Insulation	Onsite truck	—	—	HHDT
11-Post Construction / Site Restoration	—	—	—	—
11-Post Construction / Site Restoration	Worker	28.0	10.0	LDA,LDT1,LDT2
11-Post Construction / Site Restoration	Vendor	0.00	0.00	HHDT,MHDT
11-Post Construction / Site Restoration	Hauling	14.0	41.0	HHDT
11-Post Construction / Site Restoration	Onsite truck	—	—	HHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	—	—	—	—
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Worker	35.0	10.0	LDA,LDT1,LDT2
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Vendor	8.00	10.0	HHDT,MHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Hauling	11.0	45.0	HHDT

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1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Onsite truck	—	—	HHDT
2-Road Widening & Utilities	—	—	—	—
2-Road Widening & Utilities	Worker	68.0	10.0	LDA,LDT1,LDT2
2-Road Widening & Utilities	Vendor	12.0	10.0	HHDT,MHDT
2-Road Widening & Utilities	Hauling	37.0	46.0	HHDT
2-Road Widening & Utilities	Onsite truck	—	—	HHDT
3-Mass Excavation and Cut Disposal	—	—	—	—
3-Mass Excavation and Cut Disposal	Worker	45.0	10.0	LDA,LDT1,LDT2
3-Mass Excavation and Cut Disposal	Vendor	24.0	10.0	HHDT,MHDT
3-Mass Excavation and Cut Disposal	Hauling	68.0	46.0	HHDT
3-Mass Excavation and Cut Disposal	Onsite truck	—	—	HHDT
A1-Site Assessment	—	—	—	—
A1-Site Assessment	Worker	6.00	10.0	LDA,LDT1,LDT2
A1-Site Assessment	Vendor	4.00	10.0	HHDT,MHDT
A1-Site Assessment	Hauling	0.00	46.0	HHDT
A1-Site Assessment	Onsite truck	—	—	HHDT
A2-Soil Remediation	—	—	—	—
A2-Soil Remediation	Worker	16.0	10.0	LDA,LDT1,LDT2
A2-Soil Remediation	Vendor	8.00	10.0	HHDT,MHDT
A2-Soil Remediation	Hauling	20.0	46.0	HHDT
A2-Soil Remediation	Onsite truck	—	—	HHDT
A3-Gas Pipeline	—	—	—	—
A3-Gas Pipeline	Worker	27.0	10.0	LDA,LDT1,LDT2
A3-Gas Pipeline	Vendor	2.00	10.0	HHDT,MHDT
A3-Gas Pipeline	Hauling	8.00	42.0	HHDT
A3-Gas Pipeline	Onsite truck	—	—	HHDT
A4-Electrical Interconnect	—	—	—	—

A4-Electrical Interconnect	Worker	27.0	10.0	LDA,LDT1,LDT2
A4-Electrical Interconnect	Vendor	16.0	10.0	HHDT,MHDT
A4-Electrical Interconnect	Hauling	5.00	43.0	HHDT
A4-Electrical Interconnect	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
9-Painting/Insulation	0.00	0.00	34,524	11,508	20,626

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
12-Decomissioning Demolition	0.00	0.00	0.00	19,000	—
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	—	—	44.0	0.00	—
A1-Site Assessment	—	—	0.00	0.00	—
A2-Soil Remediation	—	—	0.00	0.00	—
8-Paving	0.00	0.00	0.00	0.00	7.89

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Office Building	0.00	0%
Other Asphalt Surfaces	7.89	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2035	0.00	532	0.03	< 0.005
2036	0.00	532	0.03	< 0.005
2037	1,238	532	0.03	< 0.005
2038	2,196	532	0.03	< 0.005
2039	1,864	532	0.03	< 0.005
2040	553	532	0.03	< 0.005
2034	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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5.18.2.2. Mitigated

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

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.6	annual days of extreme heat
Extreme Precipitation	5.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	11.5	annual hectares burned

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

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

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

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

6.2. Initial Climate Risk Scores

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

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

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

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

6.3. Adjusted Climate Risk Scores

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

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	26.8
AQ-PM	16.7
AQ-DPM	10.5
Drinking Water	44.8
Lead Risk Housing	57.6

Pesticides	88.4
Toxic Releases	14.3
Traffic	75.0
Effect Indicators	—
CleanUp Sites	71.9
Groundwater	67.0
Haz Waste Facilities/Generators	76.4
Impaired Water Bodies	90.1
Solid Waste	80.0
Sensitive Population	—
Asthma	54.1
Cardio-vascular	19.2
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	—
Housing	78.5
Linguistic	—
Poverty	27.3
Unemployment	—

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—

Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	0.0
Asthma ER Admissions	53.7
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0

Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.0
Cognitively Disabled	9.6
Physically Disabled	12.2
Heart Attack ER Admissions	59.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	0.0
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	67.7
SLR Inundation Area	33.8
Children	72.4
Elderly	24.3
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	18.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	87.4
Traffic Density	0.0

Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

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

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project Specific
Construction: Off-Road Equipment	Project Specific
Construction: Trips and VMT	Project specific

Construction: Dust From Material Movement	Project specific
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ATTACHMENT A.2 – CRITERIA POLLUTANT EMISSIONS (OVERLAPPING PHASES)

SCG-VCM Project -Avocado Site- Criteria Pollutants - Overlapping Phases Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	SCG-VCM Project -Avocado Site- Criteria Pollutants - Overlapping Phases
Construction Start Date	5/1/2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.20
Precipitation (days)	2.20
Location	1275 W Main St, Ventura, CA 93001, USA
County	Ventura
City	Unincorporated
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3406
EDFZ	8
Electric Utility	Southern California Edison
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
General Heavy Industry	5.46	1000sqft	0.13	5,459	0.00	—	—	—

General Heavy Industry	10.5	1000sqft	0.24	10,458	0.00	—	—	—
General Heavy Industry	2.02	1000sqft	0.05	2,016	0.00	—	—	—
General Heavy Industry	0.44	1000sqft	0.01	442	0.00	—	—	—
General Office Building	4.64	1000sqft	0.11	4,641	0.00	—	—	—
Other Asphalt Surfaces	344	1000sqft	7.89	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.32	18.6	132	0.27	0.56	5.05	5.48	0.56	1.95	2.39	—	29,709	29,709	1.05	1.40	8.79	30,029
Mit.	5.32	18.6	132	0.27	0.56	5.05	5.48	0.56	1.95	2.39	—	29,709	29,709	1.05	1.40	8.79	30,029
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

SCG-VCM Project -Avocado Site- Criteria Pollutants - Overlapping Phases Detailed Report, 8/19/2025

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.89	23.2	139	0.29	0.59	3.35	3.65	0.59	0.92	1.30	—	31,591	31,591	1.11	1.40	0.23	31,939
Mit.	5.89	23.2	139	0.29	0.59	3.35	3.65	0.59	0.92	1.30	—	31,591	31,591	1.11	1.40	0.23	31,939
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.28	12.3	61.7	0.15	0.30	2.07	2.37	0.30	0.57	0.87	—	16,081	16,081	0.50	0.87	2.26	16,354
Mit.	1.28	12.3	61.7	0.15	0.30	2.07	2.37	0.30	0.57	0.87	—	16,081	16,081	0.50	0.87	2.26	16,354
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.23	2.25	11.3	0.03	0.06	0.38	0.43	0.06	0.10	0.16	—	2,662	2,662	0.08	0.14	0.37	2,708
Mit.	0.23	2.25	11.3	0.03	0.06	0.38	0.43	0.06	0.10	0.16	—	2,662	2,662	0.08	0.14	0.37	2,708
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	0.05	0.26	2.43	< 0.005	0.01	0.08	0.08	0.01	0.02	0.03	—	452	452	0.02	0.02	0.16	458
2035	2.66	18.6	132	0.27	0.56	5.05	5.48	0.56	1.95	2.39	—	29,709	29,709	1.05	0.97	6.22	30,029
2036	2.66	18.4	132	0.27	0.56	3.35	3.65	0.56	0.92	1.22	—	29,596	29,596	1.05	1.40	8.79	29,904
2037	1.66	18.0	66.0	0.14	0.25	2.47	2.73	0.25	0.63	0.88	—	15,662	15,662	0.52	0.58	3.83	15,853
2038	0.41	2.75	17.1	0.04	0.07	0.43	0.49	0.07	0.11	0.17	—	3,994	3,994	0.15	0.09	0.49	4,026

SCG-VCM Project -Avocado Site- Criteria Pollutants - Overlapping Phases Detailed Report, 8/19/2025

2039	5.32	9.44	20.9	0.05	0.09	0.81	0.90	0.09	0.22	0.31	—	5,410	5,410	0.17	0.27	1.19	5,496
2040	0.44	6.97	19.3	0.04	0.07	0.58	0.65	0.07	0.13	0.20	—	4,186	4,186	0.15	0.11	0.36	4,222
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
2035	2.66	18.8	132	0.27	0.56	2.12	2.68	0.56	0.57	1.13	—	29,692	29,692	1.05	0.97	0.15	30,007
2036	2.86	23.2	139	0.29	0.59	3.35	3.65	0.59	0.92	1.30	—	31,591	31,591	1.11	1.40	0.23	31,939
2037	1.03	14.4	47.2	0.14	0.30	3.35	3.65	0.30	0.92	1.22	—	15,941	15,941	0.39	1.40	0.20	16,367
2038	1.18	13.8	48.3	0.10	0.17	1.20	1.37	0.17	0.30	0.47	—	10,377	10,377	0.38	0.23	0.03	10,454
2039	5.89	11.2	24.7	0.07	0.12	1.47	1.59	0.12	0.39	0.52	—	7,318	7,318	0.21	0.49	0.06	7,468
2040	—	—	—	—	—	—	—	—	—	—	—	4.33	4.33	< 0.005	< 0.005	—	4.35
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	< 0.005	< 0.005	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.18	6.18	< 0.005	< 0.005	< 0.005	6.25
2035	0.80	5.94	39.4	0.08	0.17	1.02	1.19	0.17	0.35	0.52	—	9,044	9,044	0.32	0.31	0.82	9,144
2036	1.28	12.3	61.7	0.15	0.30	2.07	2.37	0.30	0.57	0.87	—	16,081	16,081	0.50	0.87	2.26	16,354
2037	0.75	8.12	31.0	0.07	0.12	1.04	1.16	0.12	0.27	0.39	—	7,226	7,226	0.24	0.27	0.72	7,312
2038	0.38	3.57	15.7	0.03	0.06	0.39	0.45	0.06	0.10	0.16	—	3,512	3,512	0.13	0.08	0.19	3,539
2039	0.79	3.12	7.36	0.02	0.03	0.30	0.34	0.03	0.08	0.11	—	1,891	1,891	0.06	0.09	0.18	1,921
2040	0.08	1.30	3.60	0.01	0.01	0.11	0.12	0.01	0.02	0.04	—	779	779	0.03	0.02	0.03	785
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.02	1.02	< 0.005	< 0.005	< 0.005	1.04
2035	0.15	1.08	7.20	0.01	0.03	0.19	0.22	0.03	0.06	0.09	—	1,497	1,497	0.05	0.05	0.14	1,514
2036	0.23	2.25	11.3	0.03	0.06	0.38	0.43	0.06	0.10	0.16	—	2,662	2,662	0.08	0.14	0.37	2,708
2037	0.14	1.48	5.66	0.01	0.02	0.19	0.21	0.02	0.05	0.07	—	1,196	1,196	0.04	0.04	0.12	1,211
2038	0.07	0.65	2.87	0.01	0.01	0.07	0.08	0.01	0.02	0.03	—	581	581	0.02	0.01	0.03	586
2039	0.14	0.57	1.34	< 0.005	0.01	0.06	0.06	0.01	0.01	0.02	—	313	313	0.01	0.02	0.03	318
2040	0.02	0.24	0.66	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	129	129	< 0.005	< 0.005	< 0.005	130

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	0.05	0.26	2.43	< 0.005	0.01	0.08	0.08	0.01	0.02	0.03	—	452	452	0.02	0.02	0.16	458
2035	2.66	18.6	132	0.27	0.56	5.05	5.48	0.56	1.95	2.39	—	29,709	29,709	1.05	0.97	6.22	30,029
2036	2.66	18.4	132	0.27	0.56	3.35	3.65	0.56	0.92	1.22	—	29,596	29,596	1.05	1.40	8.79	29,904
2037	1.66	18.0	66.0	0.14	0.25	2.47	2.73	0.25	0.63	0.88	—	15,662	15,662	0.52	0.58	3.83	15,853
2038	0.41	2.75	17.1	0.04	0.07	0.43	0.49	0.07	0.11	0.17	—	3,994	3,994	0.15	0.09	0.49	4,026
2039	5.32	9.44	20.9	0.05	0.09	0.81	0.90	0.09	0.22	0.31	—	5,410	5,410	0.17	0.27	1.19	5,496
2040	0.44	6.97	19.3	0.04	0.07	0.58	0.65	0.07	0.13	0.20	—	4,186	4,186	0.15	0.11	0.36	4,222
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
2035	2.66	18.8	132	0.27	0.56	2.12	2.68	0.56	0.57	1.13	—	29,692	29,692	1.05	0.97	0.15	30,007
2036	2.86	23.2	139	0.29	0.59	3.35	3.65	0.59	0.92	1.30	—	31,591	31,591	1.11	1.40	0.23	31,939
2037	1.03	14.4	47.2	0.14	0.30	3.35	3.65	0.30	0.92	1.22	—	15,941	15,941	0.39	1.40	0.20	16,367
2038	1.18	13.8	48.3	0.10	0.17	1.20	1.37	0.17	0.30	0.47	—	10,377	10,377	0.38	0.23	0.03	10,454
2039	5.89	11.2	24.7	0.07	0.12	1.47	1.59	0.12	0.39	0.52	—	7,318	7,318	0.21	0.49	0.06	7,468
2040	—	—	—	—	—	—	—	—	—	—	—	4.33	4.33	< 0.005	< 0.005	—	4.35
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	< 0.005	< 0.005	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.18	6.18	< 0.005	< 0.005	< 0.005	6.25
2035	0.80	5.94	39.4	0.08	0.17	1.02	1.19	0.17	0.35	0.52	—	9,044	9,044	0.32	0.31	0.82	9,144
2036	1.28	12.3	61.7	0.15	0.30	2.07	2.37	0.30	0.57	0.87	—	16,081	16,081	0.50	0.87	2.26	16,354
2037	0.75	8.12	31.0	0.07	0.12	1.04	1.16	0.12	0.27	0.39	—	7,226	7,226	0.24	0.27	0.72	7,312
2038	0.38	3.57	15.7	0.03	0.06	0.39	0.45	0.06	0.10	0.16	—	3,512	3,512	0.13	0.08	0.19	3,539

2039	0.79	3.12	7.36	0.02	0.03	0.30	0.34	0.03	0.08	0.11	—	1,891	1,891	0.06	0.09	0.18	1,921
2040	0.08	1.30	3.60	0.01	0.01	0.11	0.12	0.01	0.02	0.04	—	779	779	0.03	0.02	0.03	785
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.02	1.02	< 0.005	< 0.005	< 0.005	1.04
2035	0.15	1.08	7.20	0.01	0.03	0.19	0.22	0.03	0.06	0.09	—	1,497	1,497	0.05	0.05	0.14	1,514
2036	0.23	2.25	11.3	0.03	0.06	0.38	0.43	0.06	0.10	0.16	—	2,662	2,662	0.08	0.14	0.37	2,708
2037	0.14	1.48	5.66	0.01	0.02	0.19	0.21	0.02	0.05	0.07	—	1,196	1,196	0.04	0.04	0.12	1,211
2038	0.07	0.65	2.87	0.01	0.01	0.07	0.08	0.01	0.02	0.03	—	581	581	0.02	0.01	0.03	586
2039	0.14	0.57	1.34	< 0.005	0.01	0.06	0.06	0.01	0.01	0.02	—	313	313	0.01	0.02	0.03	318
2040	0.02	0.24	0.66	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	129	129	< 0.005	< 0.005	< 0.005	130

3. Construction Emissions Details

3.1. 12-Decommissioning Demolition (2040) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	6.41	18.7	0.04	0.06	—	0.06	0.06	—	0.06	—	3,512	3,512	0.14	0.03	—	3,525
Demoliti on	—	—	—	—	—	0.18	0.18	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.07	1.19	3.48	0.01	0.01	—	0.01	0.01	—	0.01	—	654	654	0.03	0.01	—	657
Demolition	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.22	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	108	108	< 0.005	< 0.005	—	109
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.45	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	168	168	< 0.005	< 0.005	0.12	168
Vendor	0.01	0.37	0.15	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	355	355	< 0.005	0.05	0.15	371
Hauling	< 0.005	0.17	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	147	147	< 0.005	0.02	0.09	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.1	30.1	< 0.005	< 0.005	0.01	30.2
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	66.1	66.1	< 0.005	0.01	0.01	69.2
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.3	27.3	< 0.005	< 0.005	0.01	28.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.98	4.98	< 0.005	< 0.005	< 0.005	5.01
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	< 0.005	11.5
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.53	4.53	< 0.005	< 0.005	< 0.005	4.74

3.2. 12-Decomissioning Demolition (2040) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	6.41	18.7	0.04	0.06	—	0.06	0.06	—	0.06	—	3,512	3,512	0.14	0.03	—	3,525
Demolition	—	—	—	—	—	0.18	0.18	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.19	3.48	0.01	0.01	—	0.01	0.01	—	0.01	—	654	654	0.03	0.01	—	657
Demolition	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.22	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	108	108	< 0.005	< 0.005	—	109
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.45	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	168	168	< 0.005	< 0.005	0.12	168
Vendor	0.01	0.37	0.15	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	355	355	< 0.005	0.05	0.15	371
Hauling	< 0.005	0.17	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	147	147	< 0.005	0.02	0.09	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.1	30.1	< 0.005	< 0.005	0.01	30.2
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	66.1	66.1	< 0.005	0.01	0.01	69.2
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.3	27.3	< 0.005	< 0.005	0.01	28.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.98	4.98	< 0.005	< 0.005	< 0.005	5.01
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	< 0.005	11.5
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.53	4.53	< 0.005	< 0.005	< 0.005	4.74

3.3. 1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	3.99	30.8	0.06	0.11	—	0.11	0.11	—	0.11	—	5,980	5,980	0.24	0.05	—	6,001
Dust From Material Movement	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.48	3.71	0.01	0.01	—	0.01	0.01	—	0.01	—	721	721	0.03	0.01	—	723
Dust From Material Movement	—	—	—	—	—	0.33	0.33	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	119	119	< 0.005	< 0.005	—	120
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.71	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	218	218	< 0.005	< 0.005	0.32	219
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.02	1.34	0.33	0.01	0.02	0.45	0.47	0.02	0.13	0.15	—	1,297	1,297	0.01	0.21	1.45	1,361
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.3	25.3	< 0.005	< 0.005	0.02	25.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.7	21.7	< 0.005	< 0.005	0.01	22.8
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	156	156	< 0.005	0.03	0.08	164
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.19	4.19	< 0.005	< 0.005	< 0.005	4.21
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.60	3.60	< 0.005	< 0.005	< 0.005	3.77
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.9	25.9	< 0.005	< 0.005	0.01	27.1

3.4. 1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	3.99	30.8	0.06	0.11	—	0.11	0.11	—	0.11	—	5,980	5,980	0.24	0.05	—	6,001
Dust From Material Movement	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.48	3.71	0.01	0.01	—	0.01	0.01	—	0.01	—	721	721	0.03	0.01	—	723

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Dust From Material Movement	—	—	—	—	—	0.33	0.33	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	119	119	< 0.005	< 0.005	—	120
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.71	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	218	218	< 0.005	< 0.005	0.32	219
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.02	1.34	0.33	0.01	0.02	0.45	0.47	0.02	0.13	0.15	—	1,297	1,297	0.01	0.21	1.45	1,361
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.3	25.3	< 0.005	< 0.005	0.02	25.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.7	21.7	< 0.005	< 0.005	0.01	22.8
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	156	156	< 0.005	0.03	0.08	164
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.19	4.19	< 0.005	< 0.005	< 0.005	4.21
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.60	3.60	< 0.005	< 0.005	< 0.005	3.77
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.9	25.9	< 0.005	< 0.005	0.01	27.1

3.5. A1-Site Assessment (2034) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.16	2.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	321	321	0.01	< 0.005	—	322
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.40	4.40	< 0.005	< 0.005	—	4.42
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	37.8	37.8	< 0.005	< 0.005	0.06	38.0
Vendor	< 0.005	0.10	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	93.3	93.3	< 0.005	0.01	0.10	97.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.50
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.34
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. A1-Site Assessment (2034) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.16	2.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	321	321	0.01	< 0.005	—	322

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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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.40	4.40	< 0.005	< 0.005	—	4.42
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	37.8	37.8	< 0.005	< 0.005	0.06	38.0
Vendor	< 0.005	0.10	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	93.3	93.3	< 0.005	0.01	0.10	97.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.50
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.34
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. A2-Soil Remediation (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	3.71	22.1	0.04	0.08	—	0.08	0.08	—	0.08	—	4,331	4,331	0.18	0.04	—	4,345
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.02	0.21	1.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.32	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	99.7	99.7	< 0.005	< 0.005	0.15	100
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.03	2.49	0.60	0.02	0.04	0.83	0.87	0.04	0.23	0.27	—	2,409	2,409	0.02	0.39	2.69	2,529
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.53	5.53	< 0.005	< 0.005	< 0.005	5.55
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	< 0.005	10.9
Hauling	< 0.005	0.15	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	139	139	< 0.005	0.02	0.07	145
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.92

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.80
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.0	23.0	< 0.005	< 0.005	0.01	24.1

3.8. A2-Soil Remediation (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	3.71	22.1	0.04	0.08	—	0.08	0.08	—	0.08	—	4,331	4,331	0.18	0.04	—	4,345
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.21	1.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4

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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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.32	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	99.7	99.7	< 0.005	< 0.005	0.15	100
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.03	2.49	0.60	0.02	0.04	0.83	0.87	0.04	0.23	0.27	—	2,409	2,409	0.02	0.39	2.69	2,529
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.53	5.53	< 0.005	< 0.005	< 0.005	5.55
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	< 0.005	10.9
Hauling	< 0.005	0.15	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	139	139	< 0.005	0.02	0.07	145
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.92
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.80
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.0	23.0	< 0.005	< 0.005	0.01	24.1

3.9. 4-Foundations (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	3.57	30.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,748	5,748	0.23	0.05	—	5,768
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	3.57	30.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,748	5,748	0.23	0.05	—	5,768
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	1.67	14.4	0.02	0.05	—	0.05	0.05	—	0.05	—	2,693	2,693	0.11	0.02	—	2,702
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.31	2.62	< 0.005	0.01	—	0.01	0.01	—	0.01	—	446	446	0.02	< 0.005	—	447
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.07	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	415	415	0.01	< 0.005	0.46	417
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.24	354
Hauling	0.02	1.05	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,031	1,031	0.01	0.17	0.91	1,081
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.15	0.08	1.18	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	397	397	0.01	< 0.005	0.01	399
Vendor	0.01	0.37	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.01	355
Hauling	0.01	1.10	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,031	1,031	0.01	0.17	0.02	1,080
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.55	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	187	187	< 0.005	< 0.005	0.09	188
Vendor	< 0.005	0.17	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	159	159	< 0.005	0.02	0.05	166
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.17	0.18	0.01	0.05	0.06	—	483	483	0.01	0.08	0.18	506
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	31.0	31.0	< 0.005	< 0.005	0.02	31.2
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.01	27.5
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	79.9	79.9	< 0.005	0.01	0.03	83.8

3.10. 4-Foundations (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	3.57	30.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,748	5,748	0.23	0.05	—	5,768
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	3.57	30.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,748	5,748	0.23	0.05	—	5,768
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

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	1.67	14.4	0.02	0.05	—	0.05	0.05	—	0.05	—	2,693	2,693	0.11	0.02	—	2,702
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.31	2.62	< 0.005	0.01	—	0.01	0.01	—	0.01	—	446	446	0.02	< 0.005	—	447
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.07	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	415	415	0.01	< 0.005	0.46	417
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.24	354
Hauling	0.02	1.05	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,031	1,031	0.01	0.17	0.91	1,081
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.08	1.18	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	397	397	0.01	< 0.005	0.01	399
Vendor	0.01	0.37	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.01	355
Hauling	0.01	1.10	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,031	1,031	0.01	0.17	0.02	1,080
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.55	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	187	187	< 0.005	< 0.005	0.09	188
Vendor	< 0.005	0.17	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	159	159	< 0.005	0.02	0.05	166
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.17	0.18	0.01	0.05	0.06	—	483	483	0.01	0.08	0.18	506
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	31.0	31.0	< 0.005	< 0.005	0.02	31.2
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.01	27.5

Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	79.9	79.9	< 0.005	0.01	0.03	83.8
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3.11. 10-Commissioning / Startup and Testing (2039) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	2.45	6.24	0.01	0.02	—	0.02	0.02	—	0.02	—	1,132	1,132	0.05	0.01	—	1,136
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.45	1.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	187	187	0.01	< 0.005	—	188
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.01	0.25	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	242	242	< 0.005	0.04	0.12	253
Hauling	< 0.005	0.31	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	301	301	< 0.005	0.05	0.21	315
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.45	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	162	162	< 0.005	< 0.005	< 0.005	162
Vendor	0.01	0.27	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	243	243	< 0.005	0.04	< 0.005	253
Hauling	< 0.005	0.32	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	301	301	< 0.005	0.05	0.01	315
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.14	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	50.8	50.8	< 0.005	< 0.005	0.02	51.0
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	75.7	75.7	< 0.005	0.01	0.02	79.1
Hauling	< 0.005	0.10	0.02	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	93.9	93.9	< 0.005	0.01	0.03	98.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.41	8.41	< 0.005	< 0.005	< 0.005	8.45
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	< 0.005	13.1
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	< 0.005	16.3

3.12. 10-Commissioning / Startup and Testing (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	2.45	6.24	0.01	0.02	—	0.02	0.02	—	0.02	—	1,132	1,132	0.05	0.01	—	1,136
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.45	1.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	187	187	0.01	< 0.005	—	188
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.01	0.25	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	242	242	< 0.005	0.04	0.12	253
Hauling	< 0.005	0.31	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	301	301	< 0.005	0.05	0.21	315
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.45	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	162	162	< 0.005	< 0.005	< 0.005	162
Vendor	0.01	0.27	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	243	243	< 0.005	0.04	< 0.005	253
Hauling	< 0.005	0.32	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	301	301	< 0.005	0.05	0.01	315

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.14	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	50.8	50.8	< 0.005	< 0.005	0.02	51.0
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	75.7	75.7	< 0.005	0.01	0.02	79.1
Hauling	< 0.005	0.10	0.02	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	93.9	93.9	< 0.005	0.01	0.03	98.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.41	8.41	< 0.005	< 0.005	< 0.005	8.45
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	< 0.005	13.1
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	< 0.005	16.3

3.13. 6-Equipment , Structural Steel & Building Erection, Piping (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	10.3	29.7	0.06	0.10	—	0.10	0.10	—	0.10	—	5,381	5,381	0.22	0.04	—	5,399
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	10.3	29.7	0.06	0.10	—	0.10	0.10	—	0.10	—	5,381	5,381	0.22	0.04	—	5,399
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	4.53	13.0	0.02	0.04	—	0.04	0.04	—	0.04	—	2,359	2,359	0.10	0.02	—	2,367

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.83	2.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	390	390	0.02	< 0.005	—	392
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.08	1.42	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	476	476	0.01	0.01	0.53	478
Vendor	0.01	0.48	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.33	487
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	103	103	< 0.005	0.02	0.09	108
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.09	1.35	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	456	456	0.01	0.01	0.01	457
Vendor	0.01	0.51	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.01	488
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	103	103	< 0.005	0.02	< 0.005	108
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.59	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	201	201	< 0.005	< 0.005	0.10	202
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	204	204	< 0.005	0.03	0.06	214
Hauling	< 0.005	0.05	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	45.2	45.2	< 0.005	0.01	0.02	47.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	33.3	33.3	< 0.005	< 0.005	0.02	33.4
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	33.8	33.8	< 0.005	0.01	0.01	35.4
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.48	7.48	< 0.005	< 0.005	< 0.005	7.84

3.14. 6-Equipment , Structural Steel & Building Erection, Piping (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	10.3	29.7	0.06	0.10	—	0.10	0.10	—	0.10	—	5,381	5,381	0.22	0.04	—	5,399
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	10.3	29.7	0.06	0.10	—	0.10	0.10	—	0.10	—	5,381	5,381	0.22	0.04	—	5,399
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	4.53	13.0	0.02	0.04	—	0.04	0.04	—	0.04	—	2,359	2,359	0.10	0.02	—	2,367
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.83	2.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	390	390	0.02	< 0.005	—	392
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.08	1.42	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	476	476	0.01	0.01	0.53	478
Vendor	0.01	0.48	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.33	487

Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	103	103	< 0.005	0.02	0.09	108
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.09	1.35	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	456	456	0.01	0.01	0.01	457
Vendor	0.01	0.51	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.01	488
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	103	103	< 0.005	0.02	< 0.005	108
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.59	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	201	201	< 0.005	< 0.005	0.10	202
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	204	204	< 0.005	0.03	0.06	214
Hauling	< 0.005	0.05	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	45.2	45.2	< 0.005	0.01	0.02	47.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	33.3	33.3	< 0.005	< 0.005	0.02	33.4
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	33.8	33.8	< 0.005	0.01	0.01	35.4
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.48	7.48	< 0.005	< 0.005	< 0.005	7.84

3.15. 6-Equipment , Structural Steel & Building Erection, Piping (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	10.3	29.7	0.06	0.10	—	0.10	0.10	—	0.10	—	5,381	5,381	0.22	0.04	—	5,399
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

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	1.78	5.11	0.01	0.02	—	0.02	0.02	—	0.02	—	927	927	0.04	0.01	—	930
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.32	0.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	153	153	0.01	< 0.005	—	154
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.29	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	453	453	0.01	0.01	0.01	455
Vendor	0.01	0.50	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	456	456	0.01	0.07	0.01	476
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	< 0.005	107
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.22	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	78.6	78.6	< 0.005	< 0.005	0.03	79.0
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	78.6	78.6	< 0.005	0.01	0.02	82.0
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.5	17.5	< 0.005	< 0.005	0.01	18.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.01	13.1
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	< 0.005	13.6
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.90	2.90	< 0.005	< 0.005	< 0.005	3.05

3.16. 6-Equipment , Structural Steel & Building Erection, Piping (2038) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	10.3	29.7	0.06	0.10	—	0.10	0.10	—	0.10	—	5,381	5,381	0.22	0.04	—	5,399
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	1.78	5.11	0.01	0.02	—	0.02	0.02	—	0.02	—	927	927	0.04	0.01	—	930
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.32	0.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	153	153	0.01	< 0.005	—	154
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.29	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	453	453	0.01	0.01	0.01	455
Vendor	0.01	0.50	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	456	456	0.01	0.07	0.01	476
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	< 0.005	107

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.22	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	78.6	78.6	< 0.005	< 0.005	0.03	79.0
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	78.6	78.6	< 0.005	0.01	0.02	82.0
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.5	17.5	< 0.005	< 0.005	0.01	18.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.01	13.1
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	< 0.005	13.6
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.90	2.90	< 0.005	< 0.005	< 0.005	3.05

3.17. 7-Electrical & Instrumentation (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.25	16.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,339	3,339	0.14	0.03	—	3,350
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.25	16.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,339	3,339	0.14	0.03	—	3,350
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.36	9.89	0.02	0.04	—	0.04	0.04	—	0.04	—	2,019	2,019	0.08	0.02	—	2,026

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.25	1.81	< 0.005	0.01	—	0.01	0.01	—	0.01	—	334	334	0.01	< 0.005	—	335
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.63	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	219	219	< 0.005	< 0.005	0.21	220
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	332	332	0.01	0.05	0.20	346
Hauling	< 0.005	0.10	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	0.08	107
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.60	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	209	209	< 0.005	< 0.005	0.01	210
Vendor	0.01	0.36	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	332	332	0.01	0.05	0.01	346
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	< 0.005	107
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.35	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	127	127	< 0.005	< 0.005	0.05	128
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	201	201	< 0.005	0.03	0.05	209
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.6	61.6	< 0.005	0.01	0.02	64.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.1	21.1	< 0.005	< 0.005	0.01	21.2
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	33.2	33.2	< 0.005	< 0.005	0.01	34.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	< 0.005	10.7

3.18. 7-Electrical & Instrumentation (2038) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.25	16.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,339	3,339	0.14	0.03	—	3,350
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.25	16.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,339	3,339	0.14	0.03	—	3,350
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.36	9.89	0.02	0.04	—	0.04	0.04	—	0.04	—	2,019	2,019	0.08	0.02	—	2,026
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.25	1.81	< 0.005	0.01	—	0.01	0.01	—	0.01	—	334	334	0.01	< 0.005	—	335
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.63	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	219	219	< 0.005	< 0.005	0.21	220
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	332	332	0.01	0.05	0.20	346

Hauling	< 0.005	0.10	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	0.08	107
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.60	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	209	209	< 0.005	< 0.005	0.01	210
Vendor	0.01	0.36	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	332	332	0.01	0.05	0.01	346
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	< 0.005	107
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.35	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	127	127	< 0.005	< 0.005	0.05	128
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	201	201	< 0.005	0.03	0.05	209
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.6	61.6	< 0.005	0.01	0.02	64.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.1	21.1	< 0.005	< 0.005	0.01	21.2
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	33.2	33.2	< 0.005	< 0.005	0.01	34.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	< 0.005	10.7

3.19. 7-Electrical & Instrumentation (2039) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.25	16.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,339	3,339	0.14	0.03	—	3,350
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

SCG-VCM Project -Avocado Site- Criteria Pollutants - Overlapping Phases Detailed Report, 8/19/2025

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.38	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	78.4	78.4	< 0.005	< 0.005	—	78.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.0	13.0	< 0.005	< 0.005	—	13.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.57	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	208	208	< 0.005	< 0.005	< 0.005	208
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	323	323	0.01	0.05	< 0.005	338
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	100	100	< 0.005	0.02	< 0.005	105
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.91	4.91	< 0.005	< 0.005	< 0.005	4.93
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.59	7.59	< 0.005	< 0.005	< 0.005	7.93
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.35	2.35	< 0.005	< 0.005	< 0.005	2.46
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.82
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.31
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.39	0.39	< 0.005	< 0.005	< 0.005	0.41

3.20. 7-Electrical & Instrumentation (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.25	16.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,339	3,339	0.14	0.03	—	3,350
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.38	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	78.4	78.4	< 0.005	< 0.005	—	78.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.0	13.0	< 0.005	< 0.005	—	13.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.57	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	208	208	< 0.005	< 0.005	< 0.005	208
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	323	323	0.01	0.05	< 0.005	338
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	100	100	< 0.005	0.02	< 0.005	105

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.91	4.91	< 0.005	< 0.005	< 0.005	4.93
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.59	7.59	< 0.005	< 0.005	< 0.005	7.93
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.35	2.35	< 0.005	< 0.005	< 0.005	2.46
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.82
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.31
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.39	0.39	< 0.005	< 0.005	< 0.005	0.41

3.21. 11-Post Construction / Site Restoration (2039) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.43	0.36	0.01	0.03	0.52	0.54	0.03	0.15	0.17	—	1,402	1,402	0.02	0.22	0.97	1,469
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.81	9.81	< 0.005	< 0.005	< 0.005	9.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	84.5	84.5	< 0.005	0.01	0.03	88.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.62	1.62	< 0.005	< 0.005	< 0.005	1.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.0	14.0	< 0.005	< 0.005	< 0.005	14.7

3.22. 11-Post Construction / Site Restoration (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.43	0.36	0.01	0.03	0.52	0.54	0.03	0.15	0.17	—	1,402	1,402	0.02	0.22	0.97	1,469
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.81	9.81	< 0.005	< 0.005	< 0.005	9.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	84.5	84.5	< 0.005	0.01	0.03	88.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.62	1.62	< 0.005	< 0.005	< 0.005	1.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.0	14.0	< 0.005	< 0.005	< 0.005	14.7

3.23. 2-Road Widening & Utilities (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	3.28	31.1	0.05	0.12	—	0.12	0.12	—	0.12	—	5,911	5,911	0.24	0.05	—	5,932
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.60	5.68	0.01	0.02	—	0.02	0.02	—	0.02	—	979	979	0.04	0.01	—	982
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.08	1.38	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	424	424	0.01	< 0.005	0.62	426
Vendor	0.01	0.28	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	271	271	< 0.005	0.04	0.26	283
Hauling	0.06	4.61	1.12	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,457	4,457	0.05	0.72	4.98	4,678
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.16	0.10	1.31	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	405	405	0.01	< 0.005	0.02	407
Vendor	0.01	0.29	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	271	271	< 0.005	0.04	0.01	283
Hauling	0.06	4.79	1.13	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,458	4,458	0.05	0.72	0.13	4,674
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.31	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	98.3	98.3	< 0.005	< 0.005	0.06	98.7
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	65.1	65.1	< 0.005	0.01	0.03	68.2
Hauling	0.01	1.16	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,073	1,073	0.01	0.17	0.52	1,125
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.01	16.3
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	< 0.005	11.3
Hauling	< 0.005	0.21	0.05	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	178	178	< 0.005	0.03	0.09	186

3.24. 2-Road Widening & Utilities (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
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

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	3.28	31.1	0.05	0.12	—	0.12	0.12	—	0.12	—	5,911	5,911	0.24	0.05	—	5,932
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.60	5.68	0.01	0.02	—	0.02	0.02	—	0.02	—	979	979	0.04	0.01	—	982
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.08	1.38	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	424	424	0.01	< 0.005	0.62	426
Vendor	0.01	0.28	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	271	271	< 0.005	0.04	0.26	283
Hauling	0.06	4.61	1.12	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,457	4,457	0.05	0.72	4.98	4,678
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.10	1.31	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	405	405	0.01	< 0.005	0.02	407
Vendor	0.01	0.29	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	271	271	< 0.005	0.04	0.01	283
Hauling	0.06	4.79	1.13	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,458	4,458	0.05	0.72	0.13	4,674
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.31	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	98.3	98.3	< 0.005	< 0.005	0.06	98.7
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	65.1	65.1	< 0.005	0.01	0.03	68.2
Hauling	0.01	1.16	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,073	1,073	0.01	0.17	0.52	1,125
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.01	16.3
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	< 0.005	11.3

Hauling	< 0.005	0.21	0.05	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	178	178	< 0.005	0.03	0.09	186
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3.25. 2-Road Widening & Utilities (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	4.34	41.3	0.07	0.15	—	0.15	0.15	—	0.15	—	7,834	7,834	0.32	0.06	—	7,860
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.79	7.53	0.01	0.03	—	0.03	0.03	—	0.03	—	1,297	1,297	0.05	0.01	—	1,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.07	1.30	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	419	419	0.01	< 0.005	0.54	421
Vendor	0.01	0.27	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	262	262	< 0.005	0.04	0.22	274
Hauling	0.06	4.46	1.08	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,358	4,358	0.05	0.68	4.35	4,567
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	401	401	0.01	< 0.005	0.01	403
Vendor	0.01	0.29	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	262	262	< 0.005	0.04	0.01	274
Hauling	0.06	4.64	1.09	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,359	4,359	0.05	0.68	0.11	4,564
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.39	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	129	129	< 0.005	< 0.005	0.07	129
Vendor	< 0.005	0.09	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	83.5	83.5	< 0.005	0.01	0.03	87.3
Hauling	0.02	1.47	0.35	0.01	0.02	0.49	0.51	0.02	0.14	0.16	—	1,390	1,390	0.01	0.22	0.60	1,456
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.3	21.3	< 0.005	< 0.005	0.01	21.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	< 0.005	14.5
Hauling	< 0.005	0.27	0.06	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	230	230	< 0.005	0.04	0.10	241

3.26. 2-Road Widening & Utilities (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	4.34	41.3	0.07	0.15	—	0.15	0.15	—	0.15	—	7,834	7,834	0.32	0.06	—	7,860
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.79	7.53	0.01	0.03	—	0.03	0.03	—	0.03	—	1,297	1,297	0.05	0.01	—	1,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.07	1.30	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	419	419	0.01	< 0.005	0.54	421
Vendor	0.01	0.27	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	262	262	< 0.005	0.04	0.22	274
Hauling	0.06	4.46	1.08	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,358	4,358	0.05	0.68	4.35	4,567
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	401	401	0.01	< 0.005	0.01	403
Vendor	0.01	0.29	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	262	262	< 0.005	0.04	0.01	274
Hauling	0.06	4.64	1.09	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,359	4,359	0.05	0.68	0.11	4,564

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.39	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	129	129	< 0.005	< 0.005	0.07	129
Vendor	< 0.005	0.09	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	83.5	83.5	< 0.005	0.01	0.03	87.3
Hauling	0.02	1.47	0.35	0.01	0.02	0.49	0.51	0.02	0.14	0.16	—	1,390	1,390	0.01	0.22	0.60	1,456
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.3	21.3	< 0.005	< 0.005	0.01	21.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	< 0.005	14.5
Hauling	< 0.005	0.27	0.06	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	230	230	< 0.005	0.04	0.10	241

3.27. A3-Gas Pipeline (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	5.21	42.9	0.08	0.16	—	0.16	0.16	—	0.16	—	8,793	8,793	0.36	0.07	—	8,823
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.30	2.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	506	506	0.02	< 0.005	—	508
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.01	0.05	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	83.8	83.8	< 0.005	< 0.005	—	84.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.55	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	168	168	< 0.005	< 0.005	0.25	169
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	45.1	45.1	< 0.005	0.01	0.04	47.2
Hauling	0.01	0.92	0.23	0.01	0.01	0.30	0.32	0.01	0.09	0.10	—	881	881	0.01	0.14	0.98	925
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.32	9.32	< 0.005	< 0.005	0.01	9.37
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.60	2.60	< 0.005	< 0.005	< 0.005	2.72
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	50.7	50.7	< 0.005	0.01	0.02	53.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.55
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.43	0.43	< 0.005	< 0.005	< 0.005	0.45
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.39	8.39	< 0.005	< 0.005	< 0.005	8.80

3.28. A3-Gas Pipeline (2035) - Mitigated

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

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

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Off-Road Equipment	0.82	5.21	42.9	0.08	0.16	—	0.16	0.16	—	0.16	—	8,793	8,793	0.36	0.07	—	8,823
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.30	2.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	506	506	0.02	< 0.005	—	508
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	83.8	83.8	< 0.005	< 0.005	—	84.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.55	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	168	168	< 0.005	< 0.005	0.25	169
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	45.1	45.1	< 0.005	0.01	0.04	47.2
Hauling	0.01	0.92	0.23	0.01	0.01	0.30	0.32	0.01	0.09	0.10	—	881	881	0.01	0.14	0.98	925
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.32	9.32	< 0.005	< 0.005	0.01	9.37
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.60	2.60	< 0.005	< 0.005	< 0.005	2.72
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	50.7	50.7	< 0.005	0.01	0.02	53.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.55
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.43	0.43	< 0.005	< 0.005	< 0.005	0.45
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.39	8.39	< 0.005	< 0.005	< 0.005	8.80

3.29. A4-Electrical Interconnect (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.43	0.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	115	115	< 0.005	< 0.005	—	115
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.0	19.0	< 0.005	< 0.005	—	19.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.49	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	159	159	< 0.005	< 0.005	0.01	160
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.01	0.59	0.14	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	551	551	0.01	0.09	0.01	577
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	19.3	19.3	< 0.005	< 0.005	0.01	19.4
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	42.1	42.1	< 0.005	0.01	0.02	44.0
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.4	66.4	< 0.005	0.01	0.03	69.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.20	3.20	< 0.005	< 0.005	< 0.005	3.21
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.97	6.97	< 0.005	< 0.005	< 0.005	7.28
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	< 0.005	11.5

3.30. A4-Electrical Interconnect (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.02	0.43	0.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	115	115	< 0.005	< 0.005	—	115
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.0	19.0	< 0.005	< 0.005	—	19.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.49	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	159	159	< 0.005	< 0.005	0.01	160
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.01	0.59	0.14	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	551	551	0.01	0.09	0.01	577
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	19.3	19.3	< 0.005	< 0.005	0.01	19.4
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	42.1	42.1	< 0.005	0.01	0.02	44.0
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.4	66.4	< 0.005	0.01	0.03	69.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.20	3.20	< 0.005	< 0.005	< 0.005	3.21
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.97	6.97	< 0.005	< 0.005	< 0.005	7.28
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	< 0.005	11.5

3.31. 8-Paving (2039) - Unmitigated

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

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Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.1	52.1	< 0.005	< 0.005	—	52.2
Paving	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.62	8.62	< 0.005	< 0.005	—	8.65
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.35	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	127	127	< 0.005	< 0.005	< 0.005	127

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.42	0.33	0.01	0.02	0.50	0.52	0.02	0.14	0.16	—	1,347	1,347	0.01	0.21	0.02	1,410
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.1	15.1	< 0.005	< 0.005	0.01	15.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	159	159	< 0.005	0.02	0.05	166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.49	2.49	< 0.005	< 0.005	< 0.005	2.50
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.01	27.5

3.32. 8-Paving (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.1	52.1	< 0.005	< 0.005	—	52.2

Paving	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.62	8.62	< 0.005	< 0.005	—	8.65
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.35	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	127	127	< 0.005	< 0.005	< 0.005	127
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.42	0.33	0.01	0.02	0.50	0.52	0.02	0.14	0.16	—	1,347	1,347	0.01	0.21	0.02	1,410
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.1	15.1	< 0.005	< 0.005	0.01	15.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	159	159	< 0.005	0.02	0.05	166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.49	2.49	< 0.005	< 0.005	< 0.005	2.50
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.01	27.5

3.33. 9-Painting/Insulation (2039) - Unmitigated

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

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Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	—	—	—	< 0.005	—	—	—	—	—	—	—	36.2	36.2	< 0.005	< 0.005	—	36.3
Architect ural Coatings	4.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	—	—	—	< 0.005	—	—	—	—	—	—	—	36.2	36.2	< 0.005	< 0.005	—	36.3
Architect ural Coatings	4.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	—	—	—	< 0.005	—	—	—	—	—	—	—	4.16	4.16	< 0.005	< 0.005	—	4.18
Architect ural Coatings	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	—	—	—	< 0.005	—	—	—	—	—	—	—	0.69	0.69	< 0.005	< 0.005	—	0.69

Architectural	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.1	24.1	< 0.005	< 0.005	0.02	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.02	0.25	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,010	1,010	0.01	0.16	0.70	1,058
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.1	23.1	< 0.005	< 0.005	< 0.005	23.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.06	0.25	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,010	1,010	0.01	0.16	0.02	1,057
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.67	2.67	< 0.005	< 0.005	< 0.005	2.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	116	116	< 0.005	0.02	0.03	122
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.44
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.2	19.2	< 0.005	< 0.005	0.01	20.1

3.34. 9-Painting/Insulation (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	—	—	—	< 0.005	—	—	—	—	—	—	—	36.2	36.2	< 0.005	< 0.005	—	36.3
Architectural Coatings	4.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	—	—	—	< 0.005	—	—	—	—	—	—	—	36.2	36.2	< 0.005	< 0.005	—	36.3
Architectural Coatings	4.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	—	—	—	< 0.005	—	—	—	—	—	—	—	4.16	4.16	< 0.005	< 0.005	—	4.18
Architectural Coatings	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	—	—	—	< 0.005	—	—	—	—	—	—	—	0.69	0.69	< 0.005	< 0.005	—	0.69
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.1	24.1	< 0.005	< 0.005	0.02	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.02	0.25	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,010	1,010	0.01	0.16	0.70	1,058
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.1	23.1	< 0.005	< 0.005	< 0.005	23.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.06	0.25	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,010	1,010	0.01	0.16	0.02	1,057
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.67	2.67	< 0.005	< 0.005	< 0.005	2.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	116	116	< 0.005	0.02	0.03	122
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.44
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.2	19.2	< 0.005	< 0.005	0.01	20.1

3.35. 5-Trenching/Undergrounds (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.13	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.96	8.96	< 0.005	< 0.005	—	8.99
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.84	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	281	281	< 0.005	< 0.005	0.31	282
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.3	42.3	< 0.005	0.01	0.03	44.3
Hauling	0.02	1.05	0.26	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,039	1,039	0.01	0.17	0.92	1,090
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.05	0.80	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	269	269	0.01	< 0.005	0.01	270
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.4	42.4	< 0.005	0.01	< 0.005	44.3
Hauling	0.01	1.09	0.26	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,039	1,039	0.01	0.17	0.02	1,089
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.0	43.0	< 0.005	< 0.005	0.02	43.2
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	< 0.005	7.04
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	165	165	< 0.005	0.03	0.06	173
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.12	7.12	< 0.005	< 0.005	< 0.005	7.15
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.17
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.3	27.3	< 0.005	< 0.005	0.01	28.7

3.36. 5-Trenching/Undergrounds (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.13	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.96	8.96	< 0.005	< 0.005	—	8.99
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.84	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	281	281	< 0.005	< 0.005	0.31	282
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.3	42.3	< 0.005	0.01	0.03	44.3
Hauling	0.02	1.05	0.26	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,039	1,039	0.01	0.17	0.92	1,090
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.80	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	269	269	0.01	< 0.005	0.01	270
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.4	42.4	< 0.005	0.01	< 0.005	44.3
Hauling	0.01	1.09	0.26	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,039	1,039	0.01	0.17	0.02	1,089
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.0	43.0	< 0.005	< 0.005	0.02	43.2
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	< 0.005	7.04
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	165	165	< 0.005	0.03	0.06	173
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.12	7.12	< 0.005	< 0.005	< 0.005	7.15
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.17

Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.3	27.3	< 0.005	< 0.005	0.01	28.7
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3.37. 3-Mass Excavation and Cut Disposal (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.23	17.6	0.03	0.06	—	0.06	0.06	—	0.06	—	2,906	2,906	0.12	0.02	—	2,916
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.41	3.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	481	481	0.02	< 0.005	—	483
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.86	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	277	277	< 0.005	< 0.005	0.35	279
Vendor	0.01	0.54	0.21	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	523	523	0.01	0.08	0.44	547
Hauling	0.11	8.19	1.99	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	8,009	8,009	0.08	1.26	8.00	8,393
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.06	0.82	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	265	265	0.01	< 0.005	0.01	266
Vendor	0.01	0.57	0.22	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	524	524	0.01	0.08	0.01	547
Hauling	0.11	8.52	2.01	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	8,011	8,011	0.08	1.26	0.21	8,388
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.32	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	106	106	< 0.005	< 0.005	0.06	107
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	208	208	< 0.005	0.03	0.07	217
Hauling	0.04	3.37	0.79	0.03	0.05	1.12	1.18	0.05	0.32	0.37	—	3,182	3,182	0.03	0.50	1.37	3,333
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	17.6	17.6	< 0.005	< 0.005	0.01	17.7
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.4	34.4	< 0.005	0.01	0.01	36.0
Hauling	0.01	0.62	0.14	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	527	527	0.01	0.08	0.23	552

3.38. 3-Mass Excavation and Cut Disposal (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.23	17.6	0.03	0.06	—	0.06	0.06	—	0.06	—	2,906	2,906	0.12	0.02	—	2,916
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.41	3.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	481	481	0.02	< 0.005	—	483
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.86	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	277	277	< 0.005	< 0.005	0.35	279
Vendor	0.01	0.54	0.21	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	523	523	0.01	0.08	0.44	547
Hauling	0.11	8.19	1.99	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	8,009	8,009	0.08	1.26	8.00	8,393
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.06	0.82	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	265	265	0.01	< 0.005	0.01	266
Vendor	0.01	0.57	0.22	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	524	524	0.01	0.08	0.01	547
Hauling	0.11	8.52	2.01	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	8,011	8,011	0.08	1.26	0.21	8,388

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.32	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	106	106	< 0.005	< 0.005	0.06	107
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	208	208	< 0.005	0.03	0.07	217
Hauling	0.04	3.37	0.79	0.03	0.05	1.12	1.18	0.05	0.32	0.37	—	3,182	3,182	0.03	0.50	1.37	3,333
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	17.6	17.6	< 0.005	< 0.005	0.01	17.7
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.4	34.4	< 0.005	0.01	0.01	36.0
Hauling	0.01	0.62	0.14	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	527	527	0.01	0.08	0.23	552

3.39. 3-Mass Excavation and Cut Disposal (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.22	1.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	286	286	0.01	< 0.005	—	287
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.01	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.4	47.4	< 0.005	< 0.005	—	47.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.78	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	263	263	< 0.005	< 0.005	0.01	264
Vendor	0.01	0.55	0.21	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	508	508	0.01	0.08	0.01	532
Hauling	0.11	8.24	1.95	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	7,853	7,853	0.08	1.26	0.18	8,230
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.9	19.9	< 0.005	< 0.005	0.01	20.8
Hauling	< 0.005	0.32	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	307	307	< 0.005	0.05	0.12	322
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.72
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.29	3.29	< 0.005	< 0.005	< 0.005	3.45
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.9	50.9	< 0.005	0.01	0.02	53.3

3.40. 3-Mass Excavation and Cut Disposal (2037) - Mitigated

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

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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.22	1.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	286	286	0.01	< 0.005	—	287
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.4	47.4	< 0.005	< 0.005	—	47.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.78	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	263	263	< 0.005	< 0.005	0.01	264
Vendor	0.01	0.55	0.21	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	508	508	0.01	0.08	0.01	532
Hauling	0.11	8.24	1.95	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	7,853	7,853	0.08	1.26	0.18	8,230
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.9	19.9	< 0.005	< 0.005	0.01	20.8
Hauling	< 0.005	0.32	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	307	307	< 0.005	0.05	0.12	322
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.72
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.29	3.29	< 0.005	< 0.005	< 0.005	3.45
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.9	50.9	< 0.005	0.01	0.02	53.3

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
12-Decomissioning Demolition	Demolition	6/21/2040	9/24/2040	5.00	68.0	—
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Site Preparation	7/2/2035	8/30/2035	5.00	44.0	—
A1-Site Assessment	Site Preparation	7/3/2034	7/8/2034	5.00	5.00	—
A2-Soil Remediation	Site Preparation	7/2/2035	7/30/2035	5.00	21.0	—

4-Foundations	Building Construction	1/21/2037	9/16/2037	5.00	171	—
10-Commissioning / Startup and Testing	Building Construction	1/13/2039	6/21/2039	5.00	114	—
6-Equipment , Structural Steel & Building Erection, Piping	Building Construction	5/22/2037	3/29/2038	5.00	222	—
7-Electrical & Instrumentation	Building Construction	2/26/2038	1/12/2039	5.00	229	—
11-Post Construction / Site Restoration	Building Construction	6/22/2039	7/21/2039	5.00	22.0	—
2-Road Widening & Utilities	Building Construction	8/31/2035	6/11/2036	5.00	204	—
A3-Gas Pipeline	Building Construction	7/2/2035	7/30/2035	5.00	21.0	—
A4-Electrical Interconnect	Building Construction	1/30/2036	3/31/2036	5.00	44.0	—
8-Paving	Paving	1/13/2039	3/14/2039	5.00	43.0	—
9-Painting/Insulation	Architectural Coating	2/11/2039	4/11/2039	5.00	42.0	—
5-Trenching/Underground s	Trenching	8/17/2037	11/4/2037	5.00	58.0	—
3-Mass Excavation and Cut Disposal	Trenching	6/12/2036	1/20/2037	5.00	159	—

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
12-Decomissioning Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
12-Decomissioning Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
12-Decomissioning Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
12-Decomissioning Demolition	Aerial Lifts	Electric	Average	1.00	8.00	46.0	0.31

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12-Decomissioning Demolition	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
12-Decomissioning Demolition	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
12-Decomissioning Demolition	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
12-Decomissioning Demolition	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
12-Decomissioning Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	225	0.37
12-Decomissioning Demolition	Welders	Electric	Average	3.00	8.00	46.0	0.45
12-Decomissioning Demolition	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38

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A1-Site Assessment	Tractors/Loaders/Back	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A2-Soil Remediation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A2-Soil Remediation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A2-Soil Remediation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A2-Soil Remediation	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
4-Foundations	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
4-Foundations	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	170	0.40
10-Commissioning / Startup and Testing	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
10-Commissioning / Startup and Testing	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
10-Commissioning / Startup and Testing	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
10-Commissioning / Startup and Testing	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
10-Commissioning / Startup and Testing	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
10-Commissioning / Startup and Testing	Welders	Electric	Average	3.00	8.00	46.0	0.45
10-Commissioning / Startup and Testing	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
10-Commissioning / Startup and Testing	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
10-Commissioning / Startup and Testing	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31

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6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
6-Equipment , Structural Steel & Building Erection, Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	122	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Electric	Average	5.00	8.00	46.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	67.0	0.31

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6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Electric	Average	5.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
7-Electrical & Instrumentation	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
7-Electrical & Instrumentation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
7-Electrical & Instrumentation	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
7-Electrical & Instrumentation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
2-Road Widening & Utilities	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	8.00	500	0.29
2-Road Widening & Utilities	Excavators	Diesel	Tier 4 Final	2.00	8.00	346	0.38
2-Road Widening & Utilities	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
2-Road Widening & Utilities	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
2-Road Widening & Utilities	Rollers	Diesel	Tier 4 Final	2.00	8.00	125	0.38

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2-Road Widening & Utilities	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
2-Road Widening & Utilities	Plate Compactors	Diesel	Tier 4 Final	1.00	8.00	249	0.43
2-Road Widening & Utilities	Scrapers	Diesel	Tier 4 Final	6.00	8.00	570	0.48
2-Road Widening & Utilities	Pavers	Diesel	Tier 4 Final	1.00	8.00	173	0.42
A3-Gas Pipeline	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A3-Gas Pipeline	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
A3-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	2.00	8.00	319	0.42
A3-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	109	0.42
A3-Gas Pipeline	Welders	Diesel	Tier 4 Final	3.00	8.00	24.0	0.45
A3-Gas Pipeline	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A3-Gas Pipeline	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A3-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
A4-Electrical Interconnect	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
A4-Electrical Interconnect	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
A4-Electrical Interconnect	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	49.0	0.74
8-Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
9-Painting/Insulation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
5-Trenching/Undergro unds	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
5-Trenching/Undergro unds	Pumps	Diesel	Tier 4 Final	2.00	8.00	11.0	0.74
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37

3-Mass Excavation and Cut Disposal	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
3-Mass Excavation and Cut Disposal	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
3-Mass Excavation and Cut Disposal	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	180	0.37
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
3-Mass Excavation and Cut Disposal	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	125	0.40
3-Mass Excavation and Cut Disposal	Plate Compactors	Diesel	Tier 4 Final	1.00	8.00	249	0.43
3-Mass Excavation and Cut Disposal	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
3-Mass Excavation and Cut Disposal	Excavators	Diesel	Tier 4 Final	2.00	8.00	346	0.38

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
12-Decomissioning Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
12-Decomissioning Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
12-Decomissioning Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
12-Decomissioning Demolition	Aerial Lifts	Electric	Average	1.00	8.00	46.0	0.31
12-Decomissioning Demolition	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
12-Decomissioning Demolition	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20

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12-Decomissioning Demolition	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
12-Decomissioning Demolition	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
12-Decomissioning Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	225	0.37
12-Decomissioning Demolition	Welders	Electric	Average	3.00	8.00	46.0	0.45
12-Decomissioning Demolition	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
A1-Site Assessment	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A2-Soil Remediation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38

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A2-Soil Remediation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A2-Soil Remediation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A2-Soil Remediation	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
4-Foundations	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
4-Foundations	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	170	0.40
10-Commissioning / Startup and Testing	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
10-Commissioning / Startup and Testing	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
10-Commissioning / Startup and Testing	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
10-Commissioning / Startup and Testing	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
10-Commissioning / Startup and Testing	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
10-Commissioning / Startup and Testing	Welders	Electric	Average	3.00	8.00	46.0	0.45
10-Commissioning / Startup and Testing	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
10-Commissioning / Startup and Testing	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
10-Commissioning / Startup and Testing	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31

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6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
6-Equipment , Structural Steel & Building Erection, Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	122	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Electric	Average	5.00	8.00	46.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	67.0	0.31

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6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Electric	Average	5.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
7-Electrical & Instrumentation	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
7-Electrical & Instrumentation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
7-Electrical & Instrumentation	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
7-Electrical & Instrumentation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
2-Road Widening & Utilities	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	8.00	500	0.29
2-Road Widening & Utilities	Excavators	Diesel	Tier 4 Final	2.00	8.00	346	0.38
2-Road Widening & Utilities	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
2-Road Widening & Utilities	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
2-Road Widening & Utilities	Rollers	Diesel	Tier 4 Final	2.00	8.00	125	0.38

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2-Road Widening & Utilities	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
2-Road Widening & Utilities	Plate Compactors	Diesel	Tier 4 Final	1.00	8.00	249	0.43
2-Road Widening & Utilities	Scrapers	Diesel	Tier 4 Final	6.00	8.00	570	0.48
2-Road Widening & Utilities	Pavers	Diesel	Tier 4 Final	1.00	8.00	173	0.42
A3-Gas Pipeline	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A3-Gas Pipeline	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
A3-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	2.00	8.00	319	0.42
A3-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	109	0.42
A3-Gas Pipeline	Welders	Diesel	Tier 4 Final	3.00	8.00	24.0	0.45
A3-Gas Pipeline	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A3-Gas Pipeline	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A3-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
A4-Electrical Interconnect	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
A4-Electrical Interconnect	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
A4-Electrical Interconnect	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	49.0	0.74
8-Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
9-Painting/Insulation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
5-Trenching/Undergro unds	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
5-Trenching/Undergro unds	Pumps	Diesel	Tier 4 Final	2.00	8.00	11.0	0.74
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37

3-Mass Excavation and Cut Disposal	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
3-Mass Excavation and Cut Disposal	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
3-Mass Excavation and Cut Disposal	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	180	0.37
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
3-Mass Excavation and Cut Disposal	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	125	0.40
3-Mass Excavation and Cut Disposal	Plate Compactors	Diesel	Tier 4 Final	1.00	8.00	249	0.43
3-Mass Excavation and Cut Disposal	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
3-Mass Excavation and Cut Disposal	Excavators	Diesel	Tier 4 Final	2.00	8.00	346	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
4-Foundations	—	—	—	—
4-Foundations	Worker	68.0	10.0	LDA,LDT1,LDT2
4-Foundations	Vendor	16.0	10.0	HHDT,MHDT
4-Foundations	Hauling	10.0	41.0	HHDT
4-Foundations	Onsite truck	—	—	HHDT
5-Trenching/Undergrounds	—	—	—	—
5-Trenching/Undergrounds	Worker	46.0	10.0	LDA,LDT1,LDT2
5-Trenching/Undergrounds	Vendor	2.00	10.0	HHDT,MHDT
5-Trenching/Undergrounds	Hauling	9.00	46.0	HHDT

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5-Trenching/Undergrounds	Onsite truck	—	—	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	—	—	—	—
6-Equipment , Structural Steel & Building Erection, Piping	Worker	78.0	10.0	LDA,LDT1,LDT2
6-Equipment , Structural Steel & Building Erection, Piping	Vendor	22.0	10.0	HHDT,MHDT
6-Equipment , Structural Steel & Building Erection, Piping	Hauling	1.00	41.0	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	Onsite truck	—	—	HHDT
7-Electrical & Instrumentation	—	—	—	—
7-Electrical & Instrumentation	Worker	36.0	10.0	LDA,LDT1,LDT2
7-Electrical & Instrumentation	Vendor	16.0	10.0	HHDT,MHDT
7-Electrical & Instrumentation	Hauling	1.00	41.0	HHDT
7-Electrical & Instrumentation	Onsite truck	—	—	HHDT
8-Paving	—	—	—	—
8-Paving	Worker	22.0	10.0	LDA,LDT1,LDT2
8-Paving	Vendor	—	10.0	HHDT,MHDT
8-Paving	Hauling	12.0	46.0	HHDT
8-Paving	Onsite truck	—	—	HHDT
12-Decomissioning Demolition	—	—	—	—
12-Decomissioning Demolition	Worker	28.0	10.0	LDA,LDT1,LDT2
12-Decomissioning Demolition	Vendor	18.0	10.0	HHDT,MHDT
12-Decomissioning Demolition	Hauling	3.00	20.0	HHDT
12-Decomissioning Demolition	Onsite truck	—	—	HHDT
10-Commissioning / Startup and Testing	—	—	—	—
10-Commissioning / Startup and Testing	Worker	28.0	10.0	LDA,LDT1,LDT2

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10-Commissioning / Startup and Testing	Vendor	12.0	10.0	HHDT,MHDT
10-Commissioning / Startup and Testing	Hauling	3.00	41.0	HHDT
10-Commissioning / Startup and Testing	Onsite truck	—	—	HHDT
9-Painting/Insulation	—	—	—	—
9-Painting/Insulation	Worker	4.00	10.0	LDA,LDT1,LDT2
9-Painting/Insulation	Vendor	—	10.0	HHDT,MHDT
9-Painting/Insulation	Hauling	9.00	46.0	HHDT
9-Painting/Insulation	Onsite truck	—	—	HHDT
11-Post Construction / Site Restoration	—	—	—	—
11-Post Construction / Site Restoration	Worker	28.0	10.0	LDA,LDT1,LDT2
11-Post Construction / Site Restoration	Vendor	0.00	0.00	HHDT,MHDT
11-Post Construction / Site Restoration	Hauling	14.0	41.0	HHDT
11-Post Construction / Site Restoration	Onsite truck	—	—	HHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	—	—	—	—
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Worker	35.0	10.0	LDA,LDT1,LDT2
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Vendor	8.00	10.0	HHDT,MHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Hauling	11.0	45.0	HHDT

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1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Onsite truck	—	—	HHDT
2-Road Widening & Utilities	—	—	—	—
2-Road Widening & Utilities	Worker	68.0	10.0	LDA,LDT1,LDT2
2-Road Widening & Utilities	Vendor	12.0	10.0	HHDT,MHDT
2-Road Widening & Utilities	Hauling	37.0	46.0	HHDT
2-Road Widening & Utilities	Onsite truck	—	—	HHDT
3-Mass Excavation and Cut Disposal	—	—	—	—
3-Mass Excavation and Cut Disposal	Worker	45.0	10.0	LDA,LDT1,LDT2
3-Mass Excavation and Cut Disposal	Vendor	24.0	10.0	HHDT,MHDT
3-Mass Excavation and Cut Disposal	Hauling	68.0	46.0	HHDT
3-Mass Excavation and Cut Disposal	Onsite truck	—	—	HHDT
A1-Site Assessment	—	—	—	—
A1-Site Assessment	Worker	6.00	10.0	LDA,LDT1,LDT2
A1-Site Assessment	Vendor	4.00	10.0	HHDT,MHDT
A1-Site Assessment	Hauling	0.00	46.0	HHDT
A1-Site Assessment	Onsite truck	—	—	HHDT
A2-Soil Remediation	—	—	—	—
A2-Soil Remediation	Worker	16.0	10.0	LDA,LDT1,LDT2
A2-Soil Remediation	Vendor	8.00	10.0	HHDT,MHDT
A2-Soil Remediation	Hauling	20.0	46.0	HHDT
A2-Soil Remediation	Onsite truck	—	—	HHDT
A3-Gas Pipeline	—	—	—	—
A3-Gas Pipeline	Worker	27.0	10.0	LDA,LDT1,LDT2
A3-Gas Pipeline	Vendor	2.00	10.0	HHDT,MHDT
A3-Gas Pipeline	Hauling	8.00	42.0	HHDT
A3-Gas Pipeline	Onsite truck	—	—	HHDT
A4-Electrical Interconnect	—	—	—	—

A4-Electrical Interconnect	Worker	27.0	10.0	LDA,LDT1,LDT2
A4-Electrical Interconnect	Vendor	16.0	10.0	HHDT,MHDT
A4-Electrical Interconnect	Hauling	5.00	43.0	HHDT
A4-Electrical Interconnect	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
4-Foundations	—	—	—	—
4-Foundations	Worker	68.0	10.0	LDA,LDT1,LDT2
4-Foundations	Vendor	16.0	10.0	HHDT,MHDT
4-Foundations	Hauling	10.0	41.0	HHDT
4-Foundations	Onsite truck	—	—	HHDT
5-Trenching/Undergrounds	—	—	—	—
5-Trenching/Undergrounds	Worker	46.0	10.0	LDA,LDT1,LDT2
5-Trenching/Undergrounds	Vendor	2.00	10.0	HHDT,MHDT
5-Trenching/Undergrounds	Hauling	9.00	46.0	HHDT
5-Trenching/Undergrounds	Onsite truck	—	—	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	—	—	—	—
6-Equipment , Structural Steel & Building Erection, Piping	Worker	78.0	10.0	LDA,LDT1,LDT2
6-Equipment , Structural Steel & Building Erection, Piping	Vendor	22.0	10.0	HHDT,MHDT
6-Equipment , Structural Steel & Building Erection, Piping	Hauling	1.00	41.0	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	Onsite truck	—	—	HHDT
7-Electrical & Instrumentation	—	—	—	—
7-Electrical & Instrumentation	Worker	36.0	10.0	LDA,LDT1,LDT2
7-Electrical & Instrumentation	Vendor	16.0	10.0	HHDT,MHDT

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7-Electrical & Instrumentation	Hauling	1.00	41.0	HHDT
7-Electrical & Instrumentation	Onsite truck	—	—	HHDT
8-Paving	—	—	—	—
8-Paving	Worker	22.0	10.0	LDA,LDT1,LDT2
8-Paving	Vendor	—	10.0	HHDT,MHDT
8-Paving	Hauling	12.0	46.0	HHDT
8-Paving	Onsite truck	—	—	HHDT
12-Decomissioning Demolition	—	—	—	—
12-Decomissioning Demolition	Worker	28.0	10.0	LDA,LDT1,LDT2
12-Decomissioning Demolition	Vendor	18.0	10.0	HHDT,MHDT
12-Decomissioning Demolition	Hauling	3.00	20.0	HHDT
12-Decomissioning Demolition	Onsite truck	—	—	HHDT
10-Commissioning / Startup and Testing	—	—	—	—
10-Commissioning / Startup and Testing	Worker	28.0	10.0	LDA,LDT1,LDT2
10-Commissioning / Startup and Testing	Vendor	12.0	10.0	HHDT,MHDT
10-Commissioning / Startup and Testing	Hauling	3.00	41.0	HHDT
10-Commissioning / Startup and Testing	Onsite truck	—	—	HHDT
9-Painting/Insulation	—	—	—	—
9-Painting/Insulation	Worker	4.00	10.0	LDA,LDT1,LDT2
9-Painting/Insulation	Vendor	—	10.0	HHDT,MHDT
9-Painting/Insulation	Hauling	9.00	46.0	HHDT
9-Painting/Insulation	Onsite truck	—	—	HHDT
11-Post Construction / Site Restoration	—	—	—	—
11-Post Construction / Site Restoration	Worker	28.0	10.0	LDA,LDT1,LDT2

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11-Post Construction / Site Restoration	Vendor	0.00	0.00	HHDT,MHDT
11-Post Construction / Site Restoration	Hauling	14.0	41.0	HHDT
11-Post Construction / Site Restoration	Onsite truck	—	—	HHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	—	—	—	—
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Worker	35.0	10.0	LDA,LDT1,LDT2
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Vendor	8.00	10.0	HHDT,MHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Hauling	11.0	45.0	HHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Onsite truck	—	—	HHDT
2-Road Widening & Utilities	—	—	—	—
2-Road Widening & Utilities	Worker	68.0	10.0	LDA,LDT1,LDT2
2-Road Widening & Utilities	Vendor	12.0	10.0	HHDT,MHDT
2-Road Widening & Utilities	Hauling	37.0	46.0	HHDT
2-Road Widening & Utilities	Onsite truck	—	—	HHDT
3-Mass Excavation and Cut Disposal	—	—	—	—
3-Mass Excavation and Cut Disposal	Worker	45.0	10.0	LDA,LDT1,LDT2
3-Mass Excavation and Cut Disposal	Vendor	24.0	10.0	HHDT,MHDT
3-Mass Excavation and Cut Disposal	Hauling	68.0	46.0	HHDT
3-Mass Excavation and Cut Disposal	Onsite truck	—	—	HHDT
A1-Site Assessment	—	—	—	—
A1-Site Assessment	Worker	6.00	10.0	LDA,LDT1,LDT2

A1-Site Assessment	Vendor	4.00	10.0	HHDT,MHDT
A1-Site Assessment	Hauling	0.00	46.0	HHDT
A1-Site Assessment	Onsite truck	—	—	HHDT
A2-Soil Remediation	—	—	—	—
A2-Soil Remediation	Worker	16.0	10.0	LDA,LDT1,LDT2
A2-Soil Remediation	Vendor	8.00	10.0	HHDT,MHDT
A2-Soil Remediation	Hauling	20.0	46.0	HHDT
A2-Soil Remediation	Onsite truck	—	—	HHDT
A3-Gas Pipeline	—	—	—	—
A3-Gas Pipeline	Worker	27.0	10.0	LDA,LDT1,LDT2
A3-Gas Pipeline	Vendor	2.00	10.0	HHDT,MHDT
A3-Gas Pipeline	Hauling	8.00	42.0	HHDT
A3-Gas Pipeline	Onsite truck	—	—	HHDT
A4-Electrical Interconnect	—	—	—	—
A4-Electrical Interconnect	Worker	27.0	10.0	LDA,LDT1,LDT2
A4-Electrical Interconnect	Vendor	16.0	10.0	HHDT,MHDT
A4-Electrical Interconnect	Hauling	5.00	43.0	HHDT
A4-Electrical Interconnect	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
9-Painting/Insulation	0.00	0.00	34,524	11,508	20,626

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
12-Decommissioning Demolition	0.00	0.00	0.00	19,000	—
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	—	—	44.0	0.00	—
A1-Site Assessment	—	—	0.00	0.00	—
A2-Soil Remediation	—	—	0.00	0.00	—
8-Paving	0.00	0.00	0.00	0.00	7.89

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Office Building	0.00	0%
Other Asphalt Surfaces	7.89	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2035	0.00	532	0.03	< 0.005
2036	0.00	532	0.03	< 0.005
2037	1,141	532	0.03	< 0.005
2038	1,481	532	0.03	< 0.005
2039	1,149	532	0.03	< 0.005
2040	553	532	0.03	< 0.005
2034	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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5.18.2.2. Mitigated

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

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.6	annual days of extreme heat
Extreme Precipitation	5.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	11.5	annual hectares burned

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

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

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

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

6.2. Initial Climate Risk Scores

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

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

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

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

6.3. Adjusted Climate Risk Scores

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

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	26.8
AQ-PM	16.7
AQ-DPM	10.5
Drinking Water	44.8
Lead Risk Housing	57.6
Pesticides	88.4
Toxic Releases	14.3
Traffic	75.0
Effect Indicators	—
CleanUp Sites	71.9
Groundwater	67.0
Haz Waste Facilities/Generators	76.4
Impaired Water Bodies	90.1
Solid Waste	80.0
Sensitive Population	—
Asthma	54.1
Cardio-vascular	19.2
Low Birth Weights	—

Socioeconomic Factor Indicators	—
Education	—
Housing	78.5
Linguistic	—
Poverty	27.3
Unemployment	—

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—

Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	0.0
Asthma ER Admissions	53.7
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.0
Cognitively Disabled	9.6
Physically Disabled	12.2
Heart Attack ER Admissions	59.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	0.0
Physical Health Not Good	0.0
Stroke	0.0

Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	67.7
SLR Inundation Area	33.8
Children	72.4
Elderly	24.3
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	18.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	87.4
Traffic Density	0.0
Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

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

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project Specific
Construction: Off-Road Equipment	Project Specific
Construction: Trips and VMT	Project specific
Construction: Dust From Material Movement	Project specific

ATTACHMENT A.3 – GHG EMISSIONS

SCG-VCM Project -Avocado Site- GHGs - Individual Phase Detailed Report

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- 3.34. 9-Painting/Insulation (2039) - Mitigated
- 3.35. 5-Trenching/Undergrounds (2037) - Unmitigated
- 3.36. 5-Trenching/Undergrounds (2037) - Mitigated
- 3.37. 3-Mass Excavation and Cut Disposal (2036) - Unmitigated
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- 3.40. 3-Mass Excavation and Cut Disposal (2037) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

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5.5. Architectural Coatings

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5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

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5.18.2.1. Unmitigated

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	SCG-VCM Project -Avocado Site- GHGs - Individual Phase
Construction Start Date	5/1/2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.20
Precipitation (days)	2.20
Location	1275 W Main St, Ventura, CA 93001, USA
County	Ventura
City	Unincorporated
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3406
EDFZ	8
Electric Utility	Southern California Edison
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
General Heavy Industry	5.46	1000sqft	0.13	5,459	0.00	—	—	—

General Heavy Industry	10.5	1000sqft	0.24	10,458	0.00	—	—	—
General Heavy Industry	2.02	1000sqft	0.05	2,016	0.00	—	—	—
General Heavy Industry	0.44	1000sqft	0.01	442	0.00	—	—	—
General Office Building	4.64	1000sqft	0.11	4,641	0.00	—	—	—
Other Asphalt Surfaces	344	1000sqft	7.89	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.38	25.8	132	0.27	0.56	5.05	5.48	0.56	1.95	2.39	—	29,709	29,709	1.05	1.40	8.79	30,029
Mit.	5.38	25.8	132	0.27	0.56	5.05	5.48	0.56	1.95	2.39	—	29,709	29,709	1.05	1.40	8.79	30,029
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.95	23.2	139	0.29	0.59	3.35	3.65	0.59	0.92	1.30	—	31,591	31,591	1.11	1.40	0.23	31,939
Mit.	5.95	23.2	139	0.29	0.59	3.35	3.65	0.59	0.92	1.30	—	31,591	31,591	1.11	1.40	0.23	31,939
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.28	12.3	61.7	0.15	0.30	2.07	2.37	0.30	0.57	0.87	—	16,081	16,081	0.50	0.87	2.26	16,354
Mit.	1.28	12.3	61.7	0.15	0.30	2.07	2.37	0.30	0.57	0.87	—	16,081	16,081	0.50	0.87	2.26	16,354
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.23	2.25	11.3	0.03	0.06	0.38	0.43	0.06	0.10	0.16	—	2,662	2,662	0.08	0.14	0.37	2,708
Mit.	0.23	2.25	11.3	0.03	0.06	0.38	0.43	0.06	0.10	0.16	—	2,662	2,662	0.08	0.14	0.37	2,708
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	0.05	0.26	2.43	< 0.005	0.01	0.08	0.08	0.01	0.02	0.03	—	452	452	0.02	0.02	0.16	458
2035	2.66	18.6	132	0.27	0.56	5.05	5.48	0.56	1.95	2.39	—	29,709	29,709	1.05	0.97	6.22	30,029
2036	2.66	18.4	132	0.27	0.56	3.35	3.65	0.56	0.92	1.22	—	29,596	29,596	1.05	1.40	8.79	29,904
2037	2.10	25.8	87.0	0.19	0.33	2.70	3.04	0.33	0.69	1.03	—	20,236	20,236	0.68	0.72	4.40	20,471
2038	0.78	9.75	35.0	0.07	0.12	0.43	0.55	0.12	0.11	0.23	—	7,250	7,250	0.28	0.12	0.49	7,293

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2039	5.38	11.2	23.6	0.06	0.10	0.81	0.91	0.10	0.22	0.31	—	5,775	5,775	0.18	0.27	1.19	5,862
2040	0.44	6.97	19.3	0.04	0.07	0.58	0.65	0.07	0.13	0.20	—	4,186	4,186	0.15	0.11	0.36	4,222
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
2035	2.66	18.8	132	0.27	0.56	2.12	2.68	0.56	0.57	1.13	—	29,692	29,692	1.05	0.97	0.15	30,007
2036	2.86	23.2	139	0.29	0.59	3.35	3.65	0.59	0.92	1.30	—	31,591	31,591	1.11	1.40	0.23	31,939
2037	1.10	14.5	47.2	0.14	0.30	3.35	3.65	0.30	0.92	1.22	—	15,941	15,941	0.39	1.40	0.20	16,367
2038	1.73	22.3	75.0	0.15	0.27	1.43	1.70	0.27	0.36	0.63	—	16,029	16,029	0.59	0.37	0.05	16,153
2039	5.95	12.9	35.0	0.08	0.13	1.47	1.60	0.13	0.39	0.52	—	7,683	7,683	0.28	0.49	0.06	7,834
2040	—	—	—	—	—	—	—	—	—	—	—	4.33	4.33	< 0.005	< 0.005	—	4.35
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	< 0.005	< 0.005	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.18	6.18	< 0.005	< 0.005	< 0.005	6.25
2035	0.80	5.94	39.4	0.08	0.17	1.02	1.19	0.17	0.35	0.52	—	9,044	9,044	0.32	0.31	0.82	9,144
2036	1.28	12.3	61.7	0.15	0.30	2.07	2.37	0.30	0.57	0.87	—	16,081	16,081	0.50	0.87	2.26	16,354
2037	0.95	11.7	40.6	0.09	0.16	1.14	1.30	0.16	0.30	0.45	—	9,296	9,296	0.32	0.33	0.83	9,402
2038	0.63	8.06	28.0	0.06	0.10	0.43	0.53	0.10	0.11	0.21	—	5,894	5,894	0.22	0.12	0.22	5,934
2039	0.80	3.48	8.09	0.02	0.03	0.30	0.34	0.03	0.08	0.11	—	2,010	2,010	0.06	0.10	0.18	2,040
2040	0.08	1.30	3.60	0.01	0.01	0.11	0.12	0.01	0.02	0.04	—	779	779	0.03	0.02	0.03	785
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.02	1.02	< 0.005	< 0.005	< 0.005	1.04
2035	0.15	1.08	7.20	0.01	0.03	0.19	0.22	0.03	0.06	0.09	—	1,497	1,497	0.05	0.05	0.14	1,514
2036	0.23	2.25	11.3	0.03	0.06	0.38	0.43	0.06	0.10	0.16	—	2,662	2,662	0.08	0.14	0.37	2,708
2037	0.17	2.14	7.40	0.02	0.03	0.21	0.24	0.03	0.05	0.08	—	1,539	1,539	0.05	0.05	0.14	1,557
2038	0.12	1.47	5.12	0.01	0.02	0.08	0.10	0.02	0.02	0.04	—	976	976	0.04	0.02	0.04	982
2039	0.15	0.64	1.48	< 0.005	0.01	0.06	0.06	0.01	0.01	0.02	—	333	333	0.01	0.02	0.03	338
2040	0.02	0.24	0.66	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	129	129	< 0.005	< 0.005	< 0.005	130

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	0.05	0.26	2.43	< 0.005	0.01	0.08	0.08	0.01	0.02	0.03	—	452	452	0.02	0.02	0.16	458
2035	2.66	18.6	132	0.27	0.56	5.05	5.48	0.56	1.95	2.39	—	29,709	29,709	1.05	0.97	6.22	30,029
2036	2.66	18.4	132	0.27	0.56	3.35	3.65	0.56	0.92	1.22	—	29,596	29,596	1.05	1.40	8.79	29,904
2037	2.10	25.8	87.0	0.19	0.33	2.70	3.04	0.33	0.69	1.03	—	20,236	20,236	0.68	0.72	4.40	20,471
2038	0.78	9.75	35.0	0.07	0.12	0.43	0.55	0.12	0.11	0.23	—	7,250	7,250	0.28	0.12	0.49	7,293
2039	5.38	11.2	23.6	0.06	0.10	0.81	0.91	0.10	0.22	0.31	—	5,775	5,775	0.18	0.27	1.19	5,862
2040	0.44	6.97	19.3	0.04	0.07	0.58	0.65	0.07	0.13	0.20	—	4,186	4,186	0.15	0.11	0.36	4,222
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
2035	2.66	18.8	132	0.27	0.56	2.12	2.68	0.56	0.57	1.13	—	29,692	29,692	1.05	0.97	0.15	30,007
2036	2.86	23.2	139	0.29	0.59	3.35	3.65	0.59	0.92	1.30	—	31,591	31,591	1.11	1.40	0.23	31,939
2037	1.10	14.5	47.2	0.14	0.30	3.35	3.65	0.30	0.92	1.22	—	15,941	15,941	0.39	1.40	0.20	16,367
2038	1.73	22.3	75.0	0.15	0.27	1.43	1.70	0.27	0.36	0.63	—	16,029	16,029	0.59	0.37	0.05	16,153
2039	5.95	12.9	35.0	0.08	0.13	1.47	1.60	0.13	0.39	0.52	—	7,683	7,683	0.28	0.49	0.06	7,834
2040	—	—	—	—	—	—	—	—	—	—	—	4.33	4.33	< 0.005	< 0.005	—	4.35
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	< 0.005	< 0.005	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.18	6.18	< 0.005	< 0.005	< 0.005	6.25
2035	0.80	5.94	39.4	0.08	0.17	1.02	1.19	0.17	0.35	0.52	—	9,044	9,044	0.32	0.31	0.82	9,144
2036	1.28	12.3	61.7	0.15	0.30	2.07	2.37	0.30	0.57	0.87	—	16,081	16,081	0.50	0.87	2.26	16,354
2037	0.95	11.7	40.6	0.09	0.16	1.14	1.30	0.16	0.30	0.45	—	9,296	9,296	0.32	0.33	0.83	9,402
2038	0.63	8.06	28.0	0.06	0.10	0.43	0.53	0.10	0.11	0.21	—	5,894	5,894	0.22	0.12	0.22	5,934

2039	0.80	3.48	8.09	0.02	0.03	0.30	0.34	0.03	0.08	0.11	—	2,010	2,010	0.06	0.10	0.18	2,040
2040	0.08	1.30	3.60	0.01	0.01	0.11	0.12	0.01	0.02	0.04	—	779	779	0.03	0.02	0.03	785
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.02	1.02	< 0.005	< 0.005	< 0.005	1.04
2035	0.15	1.08	7.20	0.01	0.03	0.19	0.22	0.03	0.06	0.09	—	1,497	1,497	0.05	0.05	0.14	1,514
2036	0.23	2.25	11.3	0.03	0.06	0.38	0.43	0.06	0.10	0.16	—	2,662	2,662	0.08	0.14	0.37	2,708
2037	0.17	2.14	7.40	0.02	0.03	0.21	0.24	0.03	0.05	0.08	—	1,539	1,539	0.05	0.05	0.14	1,557
2038	0.12	1.47	5.12	0.01	0.02	0.08	0.10	0.02	0.02	0.04	—	976	976	0.04	0.02	0.04	982
2039	0.15	0.64	1.48	< 0.005	0.01	0.06	0.06	0.01	0.01	0.02	—	333	333	0.01	0.02	0.03	338
2040	0.02	0.24	0.66	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	129	129	< 0.005	< 0.005	< 0.005	130

3. Construction Emissions Details

3.1. 12-Decommissioning Demolition (2040) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	6.41	18.7	0.04	0.06	—	0.06	0.06	—	0.06	—	3,512	3,512	0.14	0.03	—	3,525
Demolition	—	—	—	—	—	0.18	0.18	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.07	1.19	3.48	0.01	0.01	—	0.01	0.01	—	0.01	—	654	654	0.03	0.01	—	657
Demolition	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.22	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	108	108	< 0.005	< 0.005	—	109
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.45	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	168	168	< 0.005	< 0.005	0.12	168
Vendor	0.01	0.37	0.15	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	355	355	< 0.005	0.05	0.15	371
Hauling	< 0.005	0.17	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	147	147	< 0.005	0.02	0.09	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.1	30.1	< 0.005	< 0.005	0.01	30.2
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	66.1	66.1	< 0.005	0.01	0.01	69.2
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.3	27.3	< 0.005	< 0.005	0.01	28.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.98	4.98	< 0.005	< 0.005	< 0.005	5.01
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	< 0.005	11.5
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.53	4.53	< 0.005	< 0.005	< 0.005	4.74

3.2. 12-Decommissioning Demolition (2040) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	6.41	18.7	0.04	0.06	—	0.06	0.06	—	0.06	—	3,512	3,512	0.14	0.03	—	3,525
Demolition	—	—	—	—	—	0.18	0.18	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.19	3.48	0.01	0.01	—	0.01	0.01	—	0.01	—	654	654	0.03	0.01	—	657
Demolition	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.22	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	108	108	< 0.005	< 0.005	—	109
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.45	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	168	168	< 0.005	< 0.005	0.12	168
Vendor	0.01	0.37	0.15	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	355	355	< 0.005	0.05	0.15	371
Hauling	< 0.005	0.17	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	147	147	< 0.005	0.02	0.09	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.1	30.1	< 0.005	< 0.005	0.01	30.2
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	66.1	66.1	< 0.005	0.01	0.01	69.2
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.3	27.3	< 0.005	< 0.005	0.01	28.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.98	4.98	< 0.005	< 0.005	< 0.005	5.01
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	< 0.005	11.5
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.53	4.53	< 0.005	< 0.005	< 0.005	4.74

3.3. 1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	3.99	30.8	0.06	0.11	—	0.11	0.11	—	0.11	—	5,980	5,980	0.24	0.05	—	6,001
Dust From Material Movement	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.48	3.71	0.01	0.01	—	0.01	0.01	—	0.01	—	721	721	0.03	0.01	—	723
Dust From Material Movement	—	—	—	—	—	0.33	0.33	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	119	119	< 0.005	< 0.005	—	120
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.71	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	218	218	< 0.005	< 0.005	0.32	219
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.02	1.34	0.33	0.01	0.02	0.45	0.47	0.02	0.13	0.15	—	1,297	1,297	0.01	0.21	1.45	1,361
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.3	25.3	< 0.005	< 0.005	0.02	25.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.7	21.7	< 0.005	< 0.005	0.01	22.8
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	156	156	< 0.005	0.03	0.08	164
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.19	4.19	< 0.005	< 0.005	< 0.005	4.21
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.60	3.60	< 0.005	< 0.005	< 0.005	3.77
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.9	25.9	< 0.005	< 0.005	0.01	27.1

3.4. 1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	3.99	30.8	0.06	0.11	—	0.11	0.11	—	0.11	—	5,980	5,980	0.24	0.05	—	6,001
Dust From Material Movement	—	—	—	—	—	2.76	2.76	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.48	3.71	0.01	0.01	—	0.01	0.01	—	0.01	—	721	721	0.03	0.01	—	723

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Dust From Material Movement	—	—	—	—	—	0.33	0.33	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	119	119	< 0.005	< 0.005	—	120
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.71	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	218	218	< 0.005	< 0.005	0.32	219
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.02	1.34	0.33	0.01	0.02	0.45	0.47	0.02	0.13	0.15	—	1,297	1,297	0.01	0.21	1.45	1,361
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.3	25.3	< 0.005	< 0.005	0.02	25.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.7	21.7	< 0.005	< 0.005	0.01	22.8
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	156	156	< 0.005	0.03	0.08	164
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.19	4.19	< 0.005	< 0.005	< 0.005	4.21
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.60	3.60	< 0.005	< 0.005	< 0.005	3.77
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.9	25.9	< 0.005	< 0.005	0.01	27.1

3.5. A1-Site Assessment (2034) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.16	2.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	321	321	0.01	< 0.005	—	322
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.40	4.40	< 0.005	< 0.005	—	4.42
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	37.8	37.8	< 0.005	< 0.005	0.06	38.0
Vendor	< 0.005	0.10	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	93.3	93.3	< 0.005	0.01	0.10	97.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.50
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.34
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. A1-Site Assessment (2034) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.16	2.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	321	321	0.01	< 0.005	—	322

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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.40	4.40	< 0.005	< 0.005	—	4.42
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.73	0.73	< 0.005	< 0.005	—	0.73
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	37.8	37.8	< 0.005	< 0.005	0.06	38.0
Vendor	< 0.005	0.10	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	93.3	93.3	< 0.005	0.01	0.10	97.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.50
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.34
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. A2-Soil Remediation (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	3.71	22.1	0.04	0.08	—	0.08	0.08	—	0.08	—	4,331	4,331	0.18	0.04	—	4,345
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.02	0.21	1.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.32	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	99.7	99.7	< 0.005	< 0.005	0.15	100
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.03	2.49	0.60	0.02	0.04	0.83	0.87	0.04	0.23	0.27	—	2,409	2,409	0.02	0.39	2.69	2,529
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.53	5.53	< 0.005	< 0.005	< 0.005	5.55
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	< 0.005	10.9
Hauling	< 0.005	0.15	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	139	139	< 0.005	0.02	0.07	145
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.92

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.80
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.0	23.0	< 0.005	< 0.005	0.01	24.1

3.8. A2-Soil Remediation (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	3.71	22.1	0.04	0.08	—	0.08	0.08	—	0.08	—	4,331	4,331	0.18	0.04	—	4,345
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.21	1.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4

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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.32	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	99.7	99.7	< 0.005	< 0.005	0.15	100
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.03	2.49	0.60	0.02	0.04	0.83	0.87	0.04	0.23	0.27	—	2,409	2,409	0.02	0.39	2.69	2,529
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.53	5.53	< 0.005	< 0.005	< 0.005	5.55
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	< 0.005	10.9
Hauling	< 0.005	0.15	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	139	139	< 0.005	0.02	0.07	145
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.92
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.80
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.0	23.0	< 0.005	< 0.005	0.01	24.1

3.9. 4-Foundations (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,918	7,918	0.32	0.06	—	7,945
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,918	7,918	0.32	0.06	—	7,945
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	4.64	20.1	0.04	0.07	—	0.07	0.07	—	0.07	—	3,710	3,710	0.15	0.03	—	3,722
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.85	3.66	0.01	0.01	—	0.01	0.01	—	0.01	—	614	614	0.02	< 0.005	—	616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.07	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	415	415	0.01	< 0.005	0.46	417
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.24	354
Hauling	0.02	1.05	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,031	1,031	0.01	0.17	0.91	1,081
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.15	0.08	1.18	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	397	397	0.01	< 0.005	0.01	399
Vendor	0.01	0.37	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.01	355
Hauling	0.01	1.10	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,031	1,031	0.01	0.17	0.02	1,080
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.55	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	187	187	< 0.005	< 0.005	0.09	188
Vendor	< 0.005	0.17	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	159	159	< 0.005	0.02	0.05	166
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.17	0.18	0.01	0.05	0.06	—	483	483	0.01	0.08	0.18	506
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	31.0	31.0	< 0.005	< 0.005	0.02	31.2
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.01	27.5
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	79.9	79.9	< 0.005	0.01	0.03	83.8

3.10. 4-Foundations (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,918	7,918	0.32	0.06	—	7,945
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,918	7,918	0.32	0.06	—	7,945
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

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	4.64	20.1	0.04	0.07	—	0.07	0.07	—	0.07	—	3,710	3,710	0.15	0.03	—	3,722
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.85	3.66	0.01	0.01	—	0.01	0.01	—	0.01	—	614	614	0.02	< 0.005	—	616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.07	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	415	415	0.01	< 0.005	0.46	417
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.24	354
Hauling	0.02	1.05	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,031	1,031	0.01	0.17	0.91	1,081
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.08	1.18	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	397	397	0.01	< 0.005	0.01	399
Vendor	0.01	0.37	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.01	355
Hauling	0.01	1.10	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,031	1,031	0.01	0.17	0.02	1,080
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.55	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	187	187	< 0.005	< 0.005	0.09	188
Vendor	< 0.005	0.17	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	159	159	< 0.005	0.02	0.05	166
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.17	0.18	0.01	0.05	0.06	—	483	483	0.01	0.08	0.18	506
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	31.0	31.0	< 0.005	< 0.005	0.02	31.2
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.01	27.5

Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	79.9	79.9	< 0.005	0.01	0.03	83.8
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3.11. 10-Commissioning / Startup and Testing (2039) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	2.45	6.24	0.01	0.02	—	0.02	0.02	—	0.02	—	1,132	1,132	0.05	0.01	—	1,136
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.45	1.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	187	187	0.01	< 0.005	—	188
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.01	0.25	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	242	242	< 0.005	0.04	0.12	253
Hauling	< 0.005	0.31	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	301	301	< 0.005	0.05	0.21	315
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.45	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	162	162	< 0.005	< 0.005	< 0.005	162
Vendor	0.01	0.27	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	243	243	< 0.005	0.04	< 0.005	253
Hauling	< 0.005	0.32	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	301	301	< 0.005	0.05	0.01	315
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.14	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	50.8	50.8	< 0.005	< 0.005	0.02	51.0
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	75.7	75.7	< 0.005	0.01	0.02	79.1
Hauling	< 0.005	0.10	0.02	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	93.9	93.9	< 0.005	0.01	0.03	98.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.41	8.41	< 0.005	< 0.005	< 0.005	8.45
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	< 0.005	13.1
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	< 0.005	16.3

3.12. 10-Commissioning / Startup and Testing (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	2.45	6.24	0.01	0.02	—	0.02	0.02	—	0.02	—	1,132	1,132	0.05	0.01	—	1,136
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.45	1.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	187	187	0.01	< 0.005	—	188
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.01	0.25	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	242	242	< 0.005	0.04	0.12	253
Hauling	< 0.005	0.31	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	301	301	< 0.005	0.05	0.21	315
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.45	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	162	162	< 0.005	< 0.005	< 0.005	162
Vendor	0.01	0.27	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	243	243	< 0.005	0.04	< 0.005	253
Hauling	< 0.005	0.32	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	301	301	< 0.005	0.05	0.01	315

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.14	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	50.8	50.8	< 0.005	< 0.005	0.02	51.0
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	75.7	75.7	< 0.005	0.01	0.02	79.1
Hauling	< 0.005	0.10	0.02	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	93.9	93.9	< 0.005	0.01	0.03	98.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.41	8.41	< 0.005	< 0.005	< 0.005	8.45
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	< 0.005	13.1
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	< 0.005	16.3

3.13. 6-Equipment , Structural Steel & Building Erection, Piping (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	4.91	16.8	0.03	0.06	—	0.06	0.06	—	0.06	—	3,136	3,136	0.13	0.03	—	3,147

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.90	3.07	0.01	0.01	—	0.01	0.01	—	0.01	—	519	519	0.02	< 0.005	—	521
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.08	1.42	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	476	476	0.01	0.01	0.53	478
Vendor	0.01	0.48	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.33	487
Hauling	0.01	0.68	0.13	0.01	0.01	0.27	0.28	0.01	0.07	0.09	—	733	733	0.01	0.12	0.66	768
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.09	1.35	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	456	456	0.01	0.01	0.01	457
Vendor	0.01	0.51	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.01	488
Hauling	0.01	0.70	0.13	0.01	0.01	0.27	0.28	0.01	0.07	0.09	—	733	733	0.01	0.12	0.02	768
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.59	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	201	201	< 0.005	< 0.005	0.10	202
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	204	204	< 0.005	0.03	0.06	214
Hauling	< 0.005	0.31	0.06	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	321	321	< 0.005	0.05	0.12	337
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	33.3	33.3	< 0.005	< 0.005	0.02	33.4
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	33.8	33.8	< 0.005	0.01	0.01	35.4
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	53.2	53.2	< 0.005	0.01	0.02	55.7

3.14. 6-Equipment , Structural Steel & Building Erection, Piping (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	4.91	16.8	0.03	0.06	—	0.06	0.06	—	0.06	—	3,136	3,136	0.13	0.03	—	3,147
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.90	3.07	0.01	0.01	—	0.01	0.01	—	0.01	—	519	519	0.02	< 0.005	—	521
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.08	1.42	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	476	476	0.01	0.01	0.53	478
Vendor	0.01	0.48	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.33	487

Hauling	0.01	0.68	0.13	0.01	0.01	0.27	0.28	0.01	0.07	0.09	—	733	733	0.01	0.12	0.66	768
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.09	1.35	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	456	456	0.01	0.01	0.01	457
Vendor	0.01	0.51	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.01	488
Hauling	0.01	0.70	0.13	0.01	0.01	0.27	0.28	0.01	0.07	0.09	—	733	733	0.01	0.12	0.02	768
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.59	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	201	201	< 0.005	< 0.005	0.10	202
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	204	204	< 0.005	0.03	0.06	214
Hauling	< 0.005	0.31	0.06	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	321	321	< 0.005	0.05	0.12	337
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	33.3	33.3	< 0.005	< 0.005	0.02	33.4
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	33.8	33.8	< 0.005	0.01	0.01	35.4
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	53.2	53.2	< 0.005	0.01	0.02	55.7

3.15. 6-Equipment , Structural Steel & Building Erection, Piping (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,179
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.93	6.61	0.01	0.02	—	0.02	0.02	—	0.02	—	1,232	1,232	0.05	0.01	—	1,236
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.35	1.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	204	204	0.01	< 0.005	—	205
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.29	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	453	453	0.01	0.01	0.01	455
Vendor	0.01	0.50	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	456	456	0.01	0.07	0.01	476
Hauling	0.01	0.70	0.12	0.01	0.01	0.27	0.28	0.01	0.07	0.09	—	724	724	0.01	0.12	0.01	759
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.22	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	78.6	78.6	< 0.005	< 0.005	0.03	79.0
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	78.6	78.6	< 0.005	0.01	0.02	82.0
Hauling	< 0.005	0.12	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	125	125	< 0.005	0.02	0.04	131
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.01	13.1
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	< 0.005	13.6
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.6	20.6	< 0.005	< 0.005	0.01	21.6

3.16. 6-Equipment , Structural Steel & Building Erection, Piping (2038) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,179
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.93	6.61	0.01	0.02	—	0.02	0.02	—	0.02	—	1,232	1,232	0.05	0.01	—	1,236
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.35	1.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	204	204	0.01	< 0.005	—	205
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.29	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	453	453	0.01	0.01	0.01	455
Vendor	0.01	0.50	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	456	456	0.01	0.07	0.01	476
Hauling	0.01	0.70	0.12	0.01	0.01	0.27	0.28	0.01	0.07	0.09	—	724	724	0.01	0.12	0.01	759

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.22	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	78.6	78.6	< 0.005	< 0.005	0.03	79.0
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	78.6	78.6	< 0.005	0.01	0.02	82.0
Hauling	< 0.005	0.12	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	125	125	< 0.005	0.02	0.04	131
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.01	13.1
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	< 0.005	13.6
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.6	20.6	< 0.005	< 0.005	0.01	21.6

3.17. 7-Electrical & Instrumentation (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	5.60	20.7	0.04	0.07	—	0.07	0.07	—	0.07	—	3,987	3,987	0.16	0.03	—	4,001

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.02	3.78	0.01	0.01	—	0.01	0.01	—	0.01	—	660	660	0.03	0.01	—	662
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.63	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	219	219	< 0.005	< 0.005	0.21	220
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	332	332	0.01	0.05	0.20	346
Hauling	< 0.005	0.10	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	0.08	107
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.60	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	209	209	< 0.005	< 0.005	0.01	210
Vendor	0.01	0.36	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	332	332	0.01	0.05	0.01	346
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	< 0.005	107
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.35	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	127	127	< 0.005	< 0.005	0.05	128
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	201	201	< 0.005	0.03	0.05	209
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.6	61.6	< 0.005	0.01	0.02	64.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.1	21.1	< 0.005	< 0.005	0.01	21.2
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	33.2	33.2	< 0.005	< 0.005	0.01	34.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	< 0.005	10.7

3.18. 7-Electrical & Instrumentation (2038) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	5.60	20.7	0.04	0.07	—	0.07	0.07	—	0.07	—	3,987	3,987	0.16	0.03	—	4,001
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.02	3.78	0.01	0.01	—	0.01	0.01	—	0.01	—	660	660	0.03	0.01	—	662
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.63	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	219	219	< 0.005	< 0.005	0.21	220
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	332	332	0.01	0.05	0.20	346

Hauling	< 0.005	0.10	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	0.08	107
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.60	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	209	209	< 0.005	< 0.005	0.01	210
Vendor	0.01	0.36	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	332	332	0.01	0.05	0.01	346
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	102	102	< 0.005	0.02	< 0.005	107
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.35	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	127	127	< 0.005	< 0.005	0.05	128
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	201	201	< 0.005	0.03	0.05	209
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.6	61.6	< 0.005	0.01	0.02	64.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.1	21.1	< 0.005	< 0.005	0.01	21.2
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	33.2	33.2	< 0.005	< 0.005	0.01	34.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	< 0.005	10.7

3.19. 7-Electrical & Instrumentation (2039) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.22	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	155	155	0.01	< 0.005	—	155
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.6	25.6	< 0.005	< 0.005	—	25.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.57	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	208	208	< 0.005	< 0.005	< 0.005	208
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	323	323	0.01	0.05	< 0.005	338
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	100	100	< 0.005	0.02	< 0.005	105
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.91	4.91	< 0.005	< 0.005	< 0.005	4.93
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.59	7.59	< 0.005	< 0.005	< 0.005	7.93
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.35	2.35	< 0.005	< 0.005	< 0.005	2.46
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.82
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.31
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.39	0.39	< 0.005	< 0.005	< 0.005	0.41

3.20. 7-Electrical & Instrumentation (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.22	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	155	155	0.01	< 0.005	—	155
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.6	25.6	< 0.005	< 0.005	—	25.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.57	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	208	208	< 0.005	< 0.005	< 0.005	208
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	323	323	0.01	0.05	< 0.005	338
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	100	100	< 0.005	0.02	< 0.005	105

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.91	4.91	< 0.005	< 0.005	< 0.005	4.93
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.59	7.59	< 0.005	< 0.005	< 0.005	7.93
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.35	2.35	< 0.005	< 0.005	< 0.005	2.46
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.81	0.81	< 0.005	< 0.005	< 0.005	0.82
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.31
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.39	0.39	< 0.005	< 0.005	< 0.005	0.41

3.21. 11-Post Construction / Site Restoration (2039) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.43	0.36	0.01	0.03	0.52	0.54	0.03	0.15	0.17	—	1,402	1,402	0.02	0.22	0.97	1,469
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.81	9.81	< 0.005	< 0.005	< 0.005	9.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	84.5	84.5	< 0.005	0.01	0.03	88.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.62	1.62	< 0.005	< 0.005	< 0.005	1.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.0	14.0	< 0.005	< 0.005	< 0.005	14.7

3.22. 11-Post Construction / Site Restoration (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.43	0.36	0.01	0.03	0.52	0.54	0.03	0.15	0.17	—	1,402	1,402	0.02	0.22	0.97	1,469
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.81	9.81	< 0.005	< 0.005	< 0.005	9.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	84.5	84.5	< 0.005	0.01	0.03	88.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.62	1.62	< 0.005	< 0.005	< 0.005	1.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.0	14.0	< 0.005	< 0.005	< 0.005	14.7

3.23. 2-Road Widening & Utilities (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	3.28	31.1	0.05	0.12	—	0.12	0.12	—	0.12	—	5,911	5,911	0.24	0.05	—	5,932
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.60	5.68	0.01	0.02	—	0.02	0.02	—	0.02	—	979	979	0.04	0.01	—	982
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.08	1.38	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	424	424	0.01	< 0.005	0.62	426
Vendor	0.01	0.28	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	271	271	< 0.005	0.04	0.26	283
Hauling	0.06	4.61	1.12	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,457	4,457	0.05	0.72	4.98	4,678
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.16	0.10	1.31	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	405	405	0.01	< 0.005	0.02	407
Vendor	0.01	0.29	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	271	271	< 0.005	0.04	0.01	283
Hauling	0.06	4.79	1.13	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,458	4,458	0.05	0.72	0.13	4,674
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.31	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	98.3	98.3	< 0.005	< 0.005	0.06	98.7
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	65.1	65.1	< 0.005	0.01	0.03	68.2
Hauling	0.01	1.16	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,073	1,073	0.01	0.17	0.52	1,125
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.01	16.3
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	< 0.005	11.3
Hauling	< 0.005	0.21	0.05	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	178	178	< 0.005	0.03	0.09	186

3.24. 2-Road Widening & Utilities (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
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

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	3.28	31.1	0.05	0.12	—	0.12	0.12	—	0.12	—	5,911	5,911	0.24	0.05	—	5,932
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.60	5.68	0.01	0.02	—	0.02	0.02	—	0.02	—	979	979	0.04	0.01	—	982
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.08	1.38	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	424	424	0.01	< 0.005	0.62	426
Vendor	0.01	0.28	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	271	271	< 0.005	0.04	0.26	283
Hauling	0.06	4.61	1.12	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,457	4,457	0.05	0.72	4.98	4,678
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.10	1.31	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	405	405	0.01	< 0.005	0.02	407
Vendor	0.01	0.29	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	271	271	< 0.005	0.04	0.01	283
Hauling	0.06	4.79	1.13	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,458	4,458	0.05	0.72	0.13	4,674
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.31	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	98.3	98.3	< 0.005	< 0.005	0.06	98.7
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	65.1	65.1	< 0.005	0.01	0.03	68.2
Hauling	0.01	1.16	0.27	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,073	1,073	0.01	0.17	0.52	1,125
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.01	16.3
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	< 0.005	11.3

Hauling	< 0.005	0.21	0.05	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	178	178	< 0.005	0.03	0.09	186
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3.25. 2-Road Widening & Utilities (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	4.34	41.3	0.07	0.15	—	0.15	0.15	—	0.15	—	7,834	7,834	0.32	0.06	—	7,860
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.79	7.53	0.01	0.03	—	0.03	0.03	—	0.03	—	1,297	1,297	0.05	0.01	—	1,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.07	1.30	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	419	419	0.01	< 0.005	0.54	421
Vendor	0.01	0.27	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	262	262	< 0.005	0.04	0.22	274
Hauling	0.06	4.46	1.08	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,358	4,358	0.05	0.68	4.35	4,567
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	401	401	0.01	< 0.005	0.01	403
Vendor	0.01	0.29	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	262	262	< 0.005	0.04	0.01	274
Hauling	0.06	4.64	1.09	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,359	4,359	0.05	0.68	0.11	4,564
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.39	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	129	129	< 0.005	< 0.005	0.07	129
Vendor	< 0.005	0.09	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	83.5	83.5	< 0.005	0.01	0.03	87.3
Hauling	0.02	1.47	0.35	0.01	0.02	0.49	0.51	0.02	0.14	0.16	—	1,390	1,390	0.01	0.22	0.60	1,456
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.3	21.3	< 0.005	< 0.005	0.01	21.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	< 0.005	14.5
Hauling	< 0.005	0.27	0.06	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	230	230	< 0.005	0.04	0.10	241

3.26. 2-Road Widening & Utilities (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	13.6	129	0.23	0.48	—	0.48	0.48	—	0.48	—	24,558	24,558	1.00	0.20	—	24,642
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	4.34	41.3	0.07	0.15	—	0.15	0.15	—	0.15	—	7,834	7,834	0.32	0.06	—	7,860
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.79	7.53	0.01	0.03	—	0.03	0.03	—	0.03	—	1,297	1,297	0.05	0.01	—	1,301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.07	1.30	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	419	419	0.01	< 0.005	0.54	421
Vendor	0.01	0.27	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	262	262	< 0.005	0.04	0.22	274
Hauling	0.06	4.46	1.08	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,358	4,358	0.05	0.68	4.35	4,567
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	401	401	0.01	< 0.005	0.01	403
Vendor	0.01	0.29	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	262	262	< 0.005	0.04	0.01	274
Hauling	0.06	4.64	1.09	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	4,359	4,359	0.05	0.68	0.11	4,564

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.39	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	129	129	< 0.005	< 0.005	0.07	129
Vendor	< 0.005	0.09	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	83.5	83.5	< 0.005	0.01	0.03	87.3
Hauling	0.02	1.47	0.35	0.01	0.02	0.49	0.51	0.02	0.14	0.16	—	1,390	1,390	0.01	0.22	0.60	1,456
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.3	21.3	< 0.005	< 0.005	0.01	21.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	< 0.005	14.5
Hauling	< 0.005	0.27	0.06	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	230	230	< 0.005	0.04	0.10	241

3.27. A3-Gas Pipeline (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	5.21	42.9	0.08	0.16	—	0.16	0.16	—	0.16	—	8,793	8,793	0.36	0.07	—	8,823
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.30	2.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	506	506	0.02	< 0.005	—	508
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.05	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	83.8	83.8	< 0.005	< 0.005	—	84.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.55	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	168	168	< 0.005	< 0.005	0.25	169
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	45.1	45.1	< 0.005	0.01	0.04	47.2
Hauling	0.01	0.92	0.23	0.01	0.01	0.30	0.32	0.01	0.09	0.10	—	881	881	0.01	0.14	0.98	925
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.32	9.32	< 0.005	< 0.005	0.01	9.37
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.60	2.60	< 0.005	< 0.005	< 0.005	2.72
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	50.7	50.7	< 0.005	0.01	0.02	53.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.55
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.43	0.43	< 0.005	< 0.005	< 0.005	0.45
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.39	8.39	< 0.005	< 0.005	< 0.005	8.80

3.28. A3-Gas Pipeline (2035) - Mitigated

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

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

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Off-Road Equipment	0.82	5.21	42.9	0.08	0.16	—	0.16	0.16	—	0.16	—	8,793	8,793	0.36	0.07	—	8,823
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.30	2.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	506	506	0.02	< 0.005	—	508
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	83.8	83.8	< 0.005	< 0.005	—	84.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.55	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	168	168	< 0.005	< 0.005	0.25	169
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	45.1	45.1	< 0.005	0.01	0.04	47.2
Hauling	0.01	0.92	0.23	0.01	0.01	0.30	0.32	0.01	0.09	0.10	—	881	881	0.01	0.14	0.98	925
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.32	9.32	< 0.005	< 0.005	0.01	9.37
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.60	2.60	< 0.005	< 0.005	< 0.005	2.72
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	50.7	50.7	< 0.005	0.01	0.02	53.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.55
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.43	0.43	< 0.005	< 0.005	< 0.005	0.45
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.39	8.39	< 0.005	< 0.005	< 0.005	8.80

3.29. A4-Electrical Interconnect (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.43	0.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	115	115	< 0.005	< 0.005	—	115
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.0	19.0	< 0.005	< 0.005	—	19.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.49	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	159	159	< 0.005	< 0.005	0.01	160
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.01	0.59	0.14	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	551	551	0.01	0.09	0.01	577
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	19.3	19.3	< 0.005	< 0.005	0.01	19.4
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	42.1	42.1	< 0.005	0.01	0.02	44.0
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.4	66.4	< 0.005	0.01	0.03	69.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.20	3.20	< 0.005	< 0.005	< 0.005	3.21
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.97	6.97	< 0.005	< 0.005	< 0.005	7.28
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	< 0.005	11.5

3.30. A4-Electrical Interconnect (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.43	0.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	115	115	< 0.005	< 0.005	—	115
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.0	19.0	< 0.005	< 0.005	—	19.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.49	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	159	159	< 0.005	< 0.005	0.01	160
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.01	0.59	0.14	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	551	551	0.01	0.09	0.01	577
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	19.3	19.3	< 0.005	< 0.005	0.01	19.4
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	42.1	42.1	< 0.005	0.01	0.02	44.0
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.4	66.4	< 0.005	0.01	0.03	69.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.20	3.20	< 0.005	< 0.005	< 0.005	3.21
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.97	6.97	< 0.005	< 0.005	< 0.005	7.28
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	< 0.005	11.5

3.31. 8-Paving (2039) - Unmitigated

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

SCG-VCM Project -Avocado Site- GHGs - Individual Phase Detailed Report, 8/19/2025

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.1	52.1	< 0.005	< 0.005	—	52.2
Paving	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.62	8.62	< 0.005	< 0.005	—	8.65
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.35	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	127	127	< 0.005	< 0.005	< 0.005	127

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.42	0.33	0.01	0.02	0.50	0.52	0.02	0.14	0.16	—	1,347	1,347	0.01	0.21	0.02	1,410
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.1	15.1	< 0.005	< 0.005	0.01	15.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	159	159	< 0.005	0.02	0.05	166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.49	2.49	< 0.005	< 0.005	< 0.005	2.50
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.01	27.5

3.32. 8-Paving (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.1	52.1	< 0.005	< 0.005	—	52.2

Paving	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.62	8.62	< 0.005	< 0.005	—	8.65
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.35	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	127	127	< 0.005	< 0.005	< 0.005	127
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.42	0.33	0.01	0.02	0.50	0.52	0.02	0.14	0.16	—	1,347	1,347	0.01	0.21	0.02	1,410
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.1	15.1	< 0.005	< 0.005	0.01	15.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	159	159	< 0.005	0.02	0.05	166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.49	2.49	< 0.005	< 0.005	< 0.005	2.50
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.01	27.5

3.33. 9-Painting/Insulation (2039) - Unmitigated

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

SCG-VCM Project -Avocado Site- GHGs - Individual Phase Detailed Report, 8/19/2025

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.76	2.62	0.01	0.01	—	0.01	0.01	—	0.01	—	400	400	0.02	< 0.005	—	401
Architect ural Coatings	4.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.76	2.62	0.01	0.01	—	0.01	0.01	—	0.01	—	400	400	0.02	< 0.005	—	401
Architect ural Coatings	4.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.20	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.0	46.0	< 0.005	< 0.005	—	46.1
Architect ural Coatings	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.61	7.61	< 0.005	< 0.005	—	7.64

Architectural	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.1	24.1	< 0.005	< 0.005	0.02	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.02	0.25	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,010	1,010	0.01	0.16	0.70	1,058
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.1	23.1	< 0.005	< 0.005	< 0.005	23.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.06	0.25	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,010	1,010	0.01	0.16	0.02	1,057
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.67	2.67	< 0.005	< 0.005	< 0.005	2.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	116	116	< 0.005	0.02	0.03	122
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.44
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.2	19.2	< 0.005	< 0.005	0.01	20.1

3.34. 9-Painting/Insulation (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.76	2.62	0.01	0.01	—	0.01	0.01	—	0.01	—	400	400	0.02	< 0.005	—	401
Architectural Coatings	4.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.76	2.62	0.01	0.01	—	0.01	0.01	—	0.01	—	400	400	0.02	< 0.005	—	401
Architectural Coatings	4.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.20	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.0	46.0	< 0.005	< 0.005	—	46.1
Architectural Coatings	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.61	7.61	< 0.005	< 0.005	—	7.64
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.1	24.1	< 0.005	< 0.005	0.02	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.02	0.25	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,010	1,010	0.01	0.16	0.70	1,058
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.1	23.1	< 0.005	< 0.005	< 0.005	23.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.06	0.25	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,010	1,010	0.01	0.16	0.02	1,057
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.67	2.67	< 0.005	< 0.005	< 0.005	2.69
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	116	116	< 0.005	0.02	0.03	122
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.44
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.2	19.2	< 0.005	< 0.005	0.01	20.1

3.35. 5-Trenching/Undergrounds (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.13	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.96	8.96	< 0.005	< 0.005	—	8.99
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.84	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	281	281	< 0.005	< 0.005	0.31	282
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.3	42.3	< 0.005	0.01	0.03	44.3
Hauling	0.02	1.05	0.26	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,039	1,039	0.01	0.17	0.92	1,090
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.05	0.80	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	269	269	0.01	< 0.005	0.01	270
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.4	42.4	< 0.005	0.01	< 0.005	44.3
Hauling	0.01	1.09	0.26	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,039	1,039	0.01	0.17	0.02	1,089
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.0	43.0	< 0.005	< 0.005	0.02	43.2
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	< 0.005	7.04
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	165	165	< 0.005	0.03	0.06	173
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.12	7.12	< 0.005	< 0.005	< 0.005	7.15
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.17
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.3	27.3	< 0.005	< 0.005	0.01	28.7

3.36. 5-Trenching/Undergrounds (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.13	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.96	8.96	< 0.005	< 0.005	—	8.99
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.84	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	281	281	< 0.005	< 0.005	0.31	282
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.3	42.3	< 0.005	0.01	0.03	44.3
Hauling	0.02	1.05	0.26	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,039	1,039	0.01	0.17	0.92	1,090
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.80	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	269	269	0.01	< 0.005	0.01	270
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	42.4	42.4	< 0.005	0.01	< 0.005	44.3
Hauling	0.01	1.09	0.26	0.01	0.02	0.37	0.39	0.02	0.11	0.12	—	1,039	1,039	0.01	0.17	0.02	1,089
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.0	43.0	< 0.005	< 0.005	0.02	43.2
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	< 0.005	7.04
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	165	165	< 0.005	0.03	0.06	173
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.12	7.12	< 0.005	< 0.005	< 0.005	7.15
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.17

Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.3	27.3	< 0.005	< 0.005	0.01	28.7
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3.37. 3-Mass Excavation and Cut Disposal (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.23	17.6	0.03	0.06	—	0.06	0.06	—	0.06	—	2,906	2,906	0.12	0.02	—	2,916
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.41	3.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	481	481	0.02	< 0.005	—	483
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.86	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	277	277	< 0.005	< 0.005	0.35	279
Vendor	0.01	0.54	0.21	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	523	523	0.01	0.08	0.44	547
Hauling	0.11	8.19	1.99	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	8,009	8,009	0.08	1.26	8.00	8,393
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.06	0.82	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	265	265	0.01	< 0.005	0.01	266
Vendor	0.01	0.57	0.22	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	524	524	0.01	0.08	0.01	547
Hauling	0.11	8.52	2.01	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	8,011	8,011	0.08	1.26	0.21	8,388
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.32	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	106	106	< 0.005	< 0.005	0.06	107
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	208	208	< 0.005	0.03	0.07	217
Hauling	0.04	3.37	0.79	0.03	0.05	1.12	1.18	0.05	0.32	0.37	—	3,182	3,182	0.03	0.50	1.37	3,333
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	17.6	17.6	< 0.005	< 0.005	0.01	17.7
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.4	34.4	< 0.005	0.01	0.01	36.0
Hauling	0.01	0.62	0.14	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	527	527	0.01	0.08	0.23	552

3.38. 3-Mass Excavation and Cut Disposal (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.23	17.6	0.03	0.06	—	0.06	0.06	—	0.06	—	2,906	2,906	0.12	0.02	—	2,916
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.41	3.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	481	481	0.02	< 0.005	—	483
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.86	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	277	277	< 0.005	< 0.005	0.35	279
Vendor	0.01	0.54	0.21	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	523	523	0.01	0.08	0.44	547
Hauling	0.11	8.19	1.99	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	8,009	8,009	0.08	1.26	8.00	8,393
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.06	0.82	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	265	265	0.01	< 0.005	0.01	266
Vendor	0.01	0.57	0.22	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	524	524	0.01	0.08	0.01	547
Hauling	0.11	8.52	2.01	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	8,011	8,011	0.08	1.26	0.21	8,388

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.32	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	106	106	< 0.005	< 0.005	0.06	107
Vendor	0.01	0.22	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	208	208	< 0.005	0.03	0.07	217
Hauling	0.04	3.37	0.79	0.03	0.05	1.12	1.18	0.05	0.32	0.37	—	3,182	3,182	0.03	0.50	1.37	3,333
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	17.6	17.6	< 0.005	< 0.005	0.01	17.7
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.4	34.4	< 0.005	0.01	0.01	36.0
Hauling	0.01	0.62	0.14	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	527	527	0.01	0.08	0.23	552

3.39. 3-Mass Excavation and Cut Disposal (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.22	1.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	286	286	0.01	< 0.005	—	287
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.4	47.4	< 0.005	< 0.005	—	47.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.78	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	263	263	< 0.005	< 0.005	0.01	264
Vendor	0.01	0.55	0.21	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	508	508	0.01	0.08	0.01	532
Hauling	0.11	8.24	1.95	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	7,853	7,853	0.08	1.26	0.18	8,230
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.9	19.9	< 0.005	< 0.005	0.01	20.8
Hauling	< 0.005	0.32	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	307	307	< 0.005	0.05	0.12	322
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.72
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.29	3.29	< 0.005	< 0.005	< 0.005	3.45
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.9	50.9	< 0.005	0.01	0.02	53.3

3.40. 3-Mass Excavation and Cut Disposal (2037) - Mitigated

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

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

SCG-VCM Project -Avocado Site- GHGs - Individual Phase Detailed Report, 8/19/2025

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	5.60	44.3	0.07	0.16	—	0.16	0.16	—	0.16	—	7,315	7,315	0.30	0.06	—	7,340
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.22	1.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	286	286	0.01	< 0.005	—	287
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.4	47.4	< 0.005	< 0.005	—	47.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.05	0.78	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	263	263	< 0.005	< 0.005	0.01	264
Vendor	0.01	0.55	0.21	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	508	508	0.01	0.08	0.01	532
Hauling	0.11	8.24	1.95	0.07	0.14	2.83	2.97	0.14	0.79	0.93	—	7,853	7,853	0.08	1.26	0.18	8,230
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.9	19.9	< 0.005	< 0.005	0.01	20.8
Hauling	< 0.005	0.32	0.08	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	307	307	< 0.005	0.05	0.12	322
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.72
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.29	3.29	< 0.005	< 0.005	< 0.005	3.45
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.9	50.9	< 0.005	0.01	0.02	53.3

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
12-Decomissioning Demolition	Demolition	6/21/2040	9/24/2040	5.00	68.0	—
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Site Preparation	7/2/2035	8/30/2035	5.00	44.0	—
A1-Site Assessment	Site Preparation	7/3/2034	7/8/2034	5.00	5.00	—
A2-Soil Remediation	Site Preparation	7/2/2035	7/30/2035	5.00	21.0	—

4-Foundations	Building Construction	1/21/2037	9/16/2037	5.00	171	—
10-Commissioning / Startup and Testing	Building Construction	1/13/2039	6/21/2039	5.00	114	—
6-Equipment , Structural Steel & Building Erection, Piping	Building Construction	5/22/2037	3/29/2038	5.00	222	—
7-Electrical & Instrumentation	Building Construction	2/26/2038	1/12/2039	5.00	229	—
11-Post Construction / Site Restoration	Building Construction	6/22/2039	7/21/2039	5.00	22.0	—
2-Road Widening & Utilities	Building Construction	8/31/2035	6/11/2036	5.00	204	—
A3-Gas Pipeline	Building Construction	7/2/2035	7/30/2035	5.00	21.0	—
A4-Electrical Interconnect	Building Construction	1/30/2036	3/31/2036	5.00	44.0	—
8-Paving	Paving	1/13/2039	3/14/2039	5.00	43.0	—
9-Painting/Insulation	Architectural Coating	2/11/2039	4/11/2039	5.00	42.0	—
5-Trenching/Underground s	Trenching	8/17/2037	11/4/2037	5.00	58.0	—
3-Mass Excavation and Cut Disposal	Trenching	6/12/2036	1/20/2037	5.00	159	—

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
12-Decomissioning Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
12-Decomissioning Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
12-Decomissioning Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
12-Decomissioning Demolition	Aerial Lifts	Electric	Average	1.00	8.00	46.0	0.31

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12-Decomissioning Demolition	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
12-Decomissioning Demolition	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
12-Decomissioning Demolition	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
12-Decomissioning Demolition	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
12-Decomissioning Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	225	0.37
12-Decomissioning Demolition	Welders	Electric	Average	3.00	8.00	46.0	0.45
12-Decomissioning Demolition	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38

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A1-Site Assessment	Tractors/Loaders/Back	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A2-Soil Remediation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A2-Soil Remediation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A2-Soil Remediation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A2-Soil Remediation	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	225	0.37
4-Foundations	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
4-Foundations	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
4-Foundations	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
4-Foundations	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
4-Foundations	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	10.0	0.48
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
4-Foundations	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
4-Foundations	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	170	0.40
10-Commissioning / Startup and Testing	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
10-Commissioning / Startup and Testing	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
10-Commissioning / Startup and Testing	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
10-Commissioning / Startup and Testing	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
10-Commissioning / Startup and Testing	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45

10-Commissioning / Startup and Testing	Welders	Electric	Average	3.00	8.00	46.0	0.45
10-Commissioning / Startup and Testing	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
10-Commissioning / Startup and Testing	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
10-Commissioning / Startup and Testing	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
6-Equipment , Structural Steel & Building Erection, Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	122	0.20

6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Electric	Average	5.00	8.00	46.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	67.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Electric	Average	5.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
6-Equipment , Structural Steel & Building Erection, Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
7-Electrical & Instrumentation	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
7-Electrical & Instrumentation	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74

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7-Electrical & Instrumentation	Tractors/Loaders/Back	Diesel	Tier 4 Final	2.00	7.00	225	0.37
7-Electrical & Instrumentation	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
7-Electrical & Instrumentation	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
7-Electrical & Instrumentation	Welders	Electric	Average	5.00	8.00	46.0	0.45
7-Electrical & Instrumentation	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
7-Electrical & Instrumentation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
2-Road Widening & Utilities	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	8.00	500	0.29
2-Road Widening & Utilities	Excavators	Diesel	Tier 4 Final	2.00	8.00	346	0.38
2-Road Widening & Utilities	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
2-Road Widening & Utilities	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
2-Road Widening & Utilities	Rollers	Diesel	Tier 4 Final	2.00	8.00	125	0.38
2-Road Widening & Utilities	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
2-Road Widening & Utilities	Plate Compactors	Diesel	Tier 4 Final	1.00	8.00	249	0.43
2-Road Widening & Utilities	Scrapers	Diesel	Tier 4 Final	6.00	8.00	570	0.48

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2-Road Widening & Utilities	Pavers	Diesel	Tier 4 Final	1.00	8.00	173	0.42
A3-Gas Pipeline	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A3-Gas Pipeline	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
A3-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	2.00	8.00	319	0.42
A3-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	109	0.42
A3-Gas Pipeline	Welders	Diesel	Tier 4 Final	3.00	8.00	24.0	0.45
A3-Gas Pipeline	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A3-Gas Pipeline	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A3-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
A4-Electrical Interconnect	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
A4-Electrical Interconnect	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
A4-Electrical Interconnect	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	49.0	0.74
8-Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
9-Painting/Insulation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
9-Painting/Insulation	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
5-Trenching/Undergro unds	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
5-Trenching/Undergro unds	Pumps	Diesel	Tier 4 Final	2.00	8.00	11.0	0.74
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
3-Mass Excavation and Cut Disposal	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
3-Mass Excavation and Cut Disposal	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48

3-Mass Excavation and Cut Disposal	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	180	0.37
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
3-Mass Excavation and Cut Disposal	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	125	0.40
3-Mass Excavation and Cut Disposal	Plate Compactors	Diesel	Tier 4 Final	1.00	8.00	249	0.43
3-Mass Excavation and Cut Disposal	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
3-Mass Excavation and Cut Disposal	Excavators	Diesel	Tier 4 Final	2.00	8.00	346	0.38

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
12-Decomissioning Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
12-Decomissioning Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
12-Decomissioning Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
12-Decomissioning Demolition	Aerial Lifts	Electric	Average	1.00	8.00	46.0	0.31
12-Decomissioning Demolition	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
12-Decomissioning Demolition	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
12-Decomissioning Demolition	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
12-Decomissioning Demolition	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74

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12-Decomissioning Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	225	0.37
12-Decomissioning Demolition	Welders	Electric	Average	3.00	8.00	46.0	0.45
12-Decomissioning Demolition	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
A1-Site Assessment	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A2-Soil Remediation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A2-Soil Remediation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A2-Soil Remediation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A2-Soil Remediation	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74

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4-Foundations	Tractors/Loaders/Back	Diesel	Tier 4 Final	1.00	7.00	225	0.37
4-Foundations	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
4-Foundations	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
4-Foundations	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
4-Foundations	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
4-Foundations	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	10.0	0.48
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
4-Foundations	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
4-Foundations	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	170	0.40
10-Commissioning / Startup and Testing	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
10-Commissioning / Startup and Testing	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
10-Commissioning / Startup and Testing	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
10-Commissioning / Startup and Testing	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
10-Commissioning / Startup and Testing	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
10-Commissioning / Startup and Testing	Welders	Electric	Average	3.00	8.00	46.0	0.45
10-Commissioning / Startup and Testing	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
10-Commissioning / Startup and Testing	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48

10-Commissioning / Startup and Testing	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
6-Equipment , Structural Steel & Building Erection, Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	122	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Electric	Average	5.00	8.00	46.0	0.45

6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	67.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Electric	Average	5.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
6-Equipment , Structural Steel & Building Erection, Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
7-Electrical & Instrumentation	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
7-Electrical & Instrumentation	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
7-Electrical & Instrumentation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
7-Electrical & Instrumentation	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
7-Electrical & Instrumentation	Forklifts	Electric	Average	1.00	8.00	82.0	0.20

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7-Electrical & Instrumentation	Welders	Electric	Average	5.00	8.00	46.0	0.45
7-Electrical & Instrumentation	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
7-Electrical & Instrumentation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
2-Road Widening & Utilities	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	8.00	500	0.29
2-Road Widening & Utilities	Excavators	Diesel	Tier 4 Final	2.00	8.00	346	0.38
2-Road Widening & Utilities	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
2-Road Widening & Utilities	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
2-Road Widening & Utilities	Rollers	Diesel	Tier 4 Final	2.00	8.00	125	0.38
2-Road Widening & Utilities	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
2-Road Widening & Utilities	Plate Compactors	Diesel	Tier 4 Final	1.00	8.00	249	0.43
2-Road Widening & Utilities	Scrapers	Diesel	Tier 4 Final	6.00	8.00	570	0.48
2-Road Widening & Utilities	Pavers	Diesel	Tier 4 Final	1.00	8.00	173	0.42
A3-Gas Pipeline	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A3-Gas Pipeline	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	363	0.40
A3-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	2.00	8.00	319	0.42
A3-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	109	0.42

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A3-Gas Pipeline	Welders	Diesel	Tier 4 Final	3.00	8.00	24.0	0.45
A3-Gas Pipeline	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A3-Gas Pipeline	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A3-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
A4-Electrical Interconnect	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
A4-Electrical Interconnect	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
A4-Electrical Interconnect	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	49.0	0.74
8-Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
9-Painting/Insulation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
9-Painting/Insulation	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
5-Trenching/Undergro unds	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
5-Trenching/Undergro unds	Pumps	Diesel	Tier 4 Final	2.00	8.00	11.0	0.74
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
3-Mass Excavation and Cut Disposal	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
3-Mass Excavation and Cut Disposal	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
3-Mass Excavation and Cut Disposal	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	180	0.37
3-Mass Excavation and Cut Disposal	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
3-Mass Excavation and Cut Disposal	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	125	0.40
3-Mass Excavation and Cut Disposal	Plate Compactors	Diesel	Tier 4 Final	1.00	8.00	249	0.43

3-Mass Excavation and Cut Disposal	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
3-Mass Excavation and Cut Disposal	Excavators	Diesel	Tier 4 Final	2.00	8.00	346	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
4-Foundations	—	—	—	—
4-Foundations	Worker	68.0	10.0	LDA,LDT1,LDT2
4-Foundations	Vendor	16.0	10.0	HHDT,MHDT
4-Foundations	Hauling	10.0	41.0	HHDT
4-Foundations	Onsite truck	—	—	HHDT
5-Trenching/Undergrounds	—	—	—	—
5-Trenching/Undergrounds	Worker	46.0	10.0	LDA,LDT1,LDT2
5-Trenching/Undergrounds	Vendor	2.00	10.0	HHDT,MHDT
5-Trenching/Undergrounds	Hauling	9.00	46.0	HHDT
5-Trenching/Undergrounds	Onsite truck	—	—	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	—	—	—	—
6-Equipment , Structural Steel & Building Erection, Piping	Worker	78.0	10.0	LDA,LDT1,LDT2
6-Equipment , Structural Steel & Building Erection, Piping	Vendor	22.0	10.0	HHDT,MHDT
6-Equipment , Structural Steel & Building Erection, Piping	Hauling	1.00	295	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	Onsite truck	—	—	HHDT
7-Electrical & Instrumentation	—	—	—	—
7-Electrical & Instrumentation	Worker	36.0	10.0	LDA,LDT1,LDT2

7-Electrical & Instrumentation	Vendor	16.0	10.0	HHDT,MHDT
7-Electrical & Instrumentation	Hauling	1.00	41.0	HHDT
7-Electrical & Instrumentation	Onsite truck	—	—	HHDT
8-Paving	—	—	—	—
8-Paving	Worker	22.0	10.0	LDA,LDT1,LDT2
8-Paving	Vendor	—	10.0	HHDT,MHDT
8-Paving	Hauling	12.0	46.0	HHDT
8-Paving	Onsite truck	—	—	HHDT
12-Decomissioning Demolition	—	—	—	—
12-Decomissioning Demolition	Worker	28.0	10.0	LDA,LDT1,LDT2
12-Decomissioning Demolition	Vendor	18.0	10.0	HHDT,MHDT
12-Decomissioning Demolition	Hauling	3.00	20.0	HHDT
12-Decomissioning Demolition	Onsite truck	—	—	HHDT
10-Commissioning / Startup and Testing	—	—	—	—
10-Commissioning / Startup and Testing	Worker	28.0	10.0	LDA,LDT1,LDT2
10-Commissioning / Startup and Testing	Vendor	12.0	10.0	HHDT,MHDT
10-Commissioning / Startup and Testing	Hauling	3.00	41.0	HHDT
10-Commissioning / Startup and Testing	Onsite truck	—	—	HHDT
9-Painting/Insulation	—	—	—	—
9-Painting/Insulation	Worker	4.00	10.0	LDA,LDT1,LDT2
9-Painting/Insulation	Vendor	—	10.0	HHDT,MHDT
9-Painting/Insulation	Hauling	9.00	46.0	HHDT
9-Painting/Insulation	Onsite truck	—	—	HHDT
11-Post Construction / Site Restoration	—	—	—	—

11-Post Construction / Site Restoration	Worker	28.0	10.0	LDA,LDT1,LDT2
11-Post Construction / Site Restoration	Vendor	0.00	0.00	HHDT,MHDT
11-Post Construction / Site Restoration	Hauling	14.0	41.0	HHDT
11-Post Construction / Site Restoration	Onsite truck	—	—	HHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	—	—	—	—
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Worker	35.0	10.0	LDA,LDT1,LDT2
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Vendor	8.00	10.0	HHDT,MHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Hauling	11.0	45.0	HHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Onsite truck	—	—	HHDT
2-Road Widening & Utilities	—	—	—	—
2-Road Widening & Utilities	Worker	68.0	10.0	LDA,LDT1,LDT2
2-Road Widening & Utilities	Vendor	12.0	10.0	HHDT,MHDT
2-Road Widening & Utilities	Hauling	37.0	46.0	HHDT
2-Road Widening & Utilities	Onsite truck	—	—	HHDT
3-Mass Excavation and Cut Disposal	—	—	—	—
3-Mass Excavation and Cut Disposal	Worker	45.0	10.0	LDA,LDT1,LDT2
3-Mass Excavation and Cut Disposal	Vendor	24.0	10.0	HHDT,MHDT
3-Mass Excavation and Cut Disposal	Hauling	68.0	46.0	HHDT
3-Mass Excavation and Cut Disposal	Onsite truck	—	—	HHDT
A1-Site Assessment	—	—	—	—

A1-Site Assessment	Worker	6.00	10.0	LDA,LDT1,LDT2
A1-Site Assessment	Vendor	4.00	10.0	HHDT,MHDT
A1-Site Assessment	Hauling	0.00	46.0	HHDT
A1-Site Assessment	Onsite truck	—	—	HHDT
A2-Soil Remediation	—	—	—	—
A2-Soil Remediation	Worker	16.0	10.0	LDA,LDT1,LDT2
A2-Soil Remediation	Vendor	8.00	10.0	HHDT,MHDT
A2-Soil Remediation	Hauling	20.0	46.0	HHDT
A2-Soil Remediation	Onsite truck	—	—	HHDT
A3-Gas Pipeline	—	—	—	—
A3-Gas Pipeline	Worker	27.0	10.0	LDA,LDT1,LDT2
A3-Gas Pipeline	Vendor	2.00	10.0	HHDT,MHDT
A3-Gas Pipeline	Hauling	8.00	42.0	HHDT
A3-Gas Pipeline	Onsite truck	—	—	HHDT
A4-Electrical Interconnect	—	—	—	—
A4-Electrical Interconnect	Worker	27.0	10.0	LDA,LDT1,LDT2
A4-Electrical Interconnect	Vendor	16.0	10.0	HHDT,MHDT
A4-Electrical Interconnect	Hauling	5.00	43.0	HHDT
A4-Electrical Interconnect	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
4-Foundations	—	—	—	—
4-Foundations	Worker	68.0	10.0	LDA,LDT1,LDT2
4-Foundations	Vendor	16.0	10.0	HHDT,MHDT
4-Foundations	Hauling	10.0	41.0	HHDT
4-Foundations	Onsite truck	—	—	HHDT
5-Trenching/Undergrounds	—	—	—	—

5-Trenching/Undergrounds	Worker	46.0	10.0	LDA,LDT1,LDT2
5-Trenching/Undergrounds	Vendor	2.00	10.0	HHDT,MHDT
5-Trenching/Undergrounds	Hauling	9.00	46.0	HHDT
5-Trenching/Undergrounds	Onsite truck	—	—	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	—	—	—	—
6-Equipment , Structural Steel & Building Erection, Piping	Worker	78.0	10.0	LDA,LDT1,LDT2
6-Equipment , Structural Steel & Building Erection, Piping	Vendor	22.0	10.0	HHDT,MHDT
6-Equipment , Structural Steel & Building Erection, Piping	Hauling	1.00	295	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	Onsite truck	—	—	HHDT
7-Electrical & Instrumentation	—	—	—	—
7-Electrical & Instrumentation	Worker	36.0	10.0	LDA,LDT1,LDT2
7-Electrical & Instrumentation	Vendor	16.0	10.0	HHDT,MHDT
7-Electrical & Instrumentation	Hauling	1.00	41.0	HHDT
7-Electrical & Instrumentation	Onsite truck	—	—	HHDT
8-Paving	—	—	—	—
8-Paving	Worker	22.0	10.0	LDA,LDT1,LDT2
8-Paving	Vendor	—	10.0	HHDT,MHDT
8-Paving	Hauling	12.0	46.0	HHDT
8-Paving	Onsite truck	—	—	HHDT
12-Decomissioning Demolition	—	—	—	—
12-Decomissioning Demolition	Worker	28.0	10.0	LDA,LDT1,LDT2
12-Decomissioning Demolition	Vendor	18.0	10.0	HHDT,MHDT
12-Decomissioning Demolition	Hauling	3.00	20.0	HHDT
12-Decomissioning Demolition	Onsite truck	—	—	HHDT
10-Commissioning / Startup and Testing	—	—	—	—

10-Commissioning / Startup and Testing	Worker	28.0	10.0	LDA,LDT1,LDT2
10-Commissioning / Startup and Testing	Vendor	12.0	10.0	HHDT,MHDT
10-Commissioning / Startup and Testing	Hauling	3.00	41.0	HHDT
10-Commissioning / Startup and Testing	Onsite truck	—	—	HHDT
9-Painting/Insulation	—	—	—	—
9-Painting/Insulation	Worker	4.00	10.0	LDA,LDT1,LDT2
9-Painting/Insulation	Vendor	—	10.0	HHDT,MHDT
9-Painting/Insulation	Hauling	9.00	46.0	HHDT
9-Painting/Insulation	Onsite truck	—	—	HHDT
11-Post Construction / Site Restoration	—	—	—	—
11-Post Construction / Site Restoration	Worker	28.0	10.0	LDA,LDT1,LDT2
11-Post Construction / Site Restoration	Vendor	0.00	0.00	HHDT,MHDT
11-Post Construction / Site Restoration	Hauling	14.0	41.0	HHDT
11-Post Construction / Site Restoration	Onsite truck	—	—	HHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	—	—	—	—
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Worker	35.0	10.0	LDA,LDT1,LDT2
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Vendor	8.00	10.0	HHDT,MHDT
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Hauling	11.0	45.0	HHDT

1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	Onsite truck	—	—	HHDT
2-Road Widening & Utilities	—	—	—	—
2-Road Widening & Utilities	Worker	68.0	10.0	LDA,LDT1,LDT2
2-Road Widening & Utilities	Vendor	12.0	10.0	HHDT,MHDT
2-Road Widening & Utilities	Hauling	37.0	46.0	HHDT
2-Road Widening & Utilities	Onsite truck	—	—	HHDT
3-Mass Excavation and Cut Disposal	—	—	—	—
3-Mass Excavation and Cut Disposal	Worker	45.0	10.0	LDA,LDT1,LDT2
3-Mass Excavation and Cut Disposal	Vendor	24.0	10.0	HHDT,MHDT
3-Mass Excavation and Cut Disposal	Hauling	68.0	46.0	HHDT
3-Mass Excavation and Cut Disposal	Onsite truck	—	—	HHDT
A1-Site Assessment	—	—	—	—
A1-Site Assessment	Worker	6.00	10.0	LDA,LDT1,LDT2
A1-Site Assessment	Vendor	4.00	10.0	HHDT,MHDT
A1-Site Assessment	Hauling	0.00	46.0	HHDT
A1-Site Assessment	Onsite truck	—	—	HHDT
A2-Soil Remediation	—	—	—	—
A2-Soil Remediation	Worker	16.0	10.0	LDA,LDT1,LDT2
A2-Soil Remediation	Vendor	8.00	10.0	HHDT,MHDT
A2-Soil Remediation	Hauling	20.0	46.0	HHDT
A2-Soil Remediation	Onsite truck	—	—	HHDT
A3-Gas Pipeline	—	—	—	—
A3-Gas Pipeline	Worker	27.0	10.0	LDA,LDT1,LDT2
A3-Gas Pipeline	Vendor	2.00	10.0	HHDT,MHDT
A3-Gas Pipeline	Hauling	8.00	42.0	HHDT
A3-Gas Pipeline	Onsite truck	—	—	HHDT
A4-Electrical Interconnect	—	—	—	—

A4-Electrical Interconnect	Worker	27.0	10.0	LDA,LDT1,LDT2
A4-Electrical Interconnect	Vendor	16.0	10.0	HHDT,MHDT
A4-Electrical Interconnect	Hauling	5.00	43.0	HHDT
A4-Electrical Interconnect	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
9-Painting/Insulation	0.00	0.00	34,524	11,508	20,626

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
12-Decomissioning Demolition	0.00	0.00	0.00	19,000	—
1-Offsite Laydown Development + Facility Clearing, Grubbing, Initial Site Excavation	—	—	44.0	0.00	—
A1-Site Assessment	—	—	0.00	0.00	—
A2-Soil Remediation	—	—	0.00	0.00	—
8-Paving	0.00	0.00	0.00	0.00	7.89

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Office Building	0.00	0%
Other Asphalt Surfaces	7.89	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2035	0.00	532	0.03	< 0.005
2036	0.00	532	0.03	< 0.005
2037	1,238	532	0.03	< 0.005
2038	2,196	532	0.03	< 0.005
2039	1,864	532	0.03	< 0.005
2040	553	532	0.03	< 0.005
2034	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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5.18.2.2. Mitigated

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

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.6	annual days of extreme heat
Extreme Precipitation	5.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	11.5	annual hectares burned

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

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

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

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

6.2. Initial Climate Risk Scores

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

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

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

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

6.3. Adjusted Climate Risk Scores

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

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	26.8
AQ-PM	16.7
AQ-DPM	10.5
Drinking Water	44.8
Lead Risk Housing	57.6

Pesticides	88.4
Toxic Releases	14.3
Traffic	75.0
Effect Indicators	—
CleanUp Sites	71.9
Groundwater	67.0
Haz Waste Facilities/Generators	76.4
Impaired Water Bodies	90.1
Solid Waste	80.0
Sensitive Population	—
Asthma	54.1
Cardio-vascular	19.2
Low Birth Weights	—
Socioeconomic Factor Indicators	—
Education	—
Housing	78.5
Linguistic	—
Poverty	27.3
Unemployment	—

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—

Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	0.0
Asthma ER Admissions	53.7
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0

Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.0
Cognitively Disabled	9.6
Physically Disabled	12.2
Heart Attack ER Admissions	59.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	0.0
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	67.7
SLR Inundation Area	33.8
Children	72.4
Elderly	24.3
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	18.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	87.4
Traffic Density	0.0

Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

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

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project Specific
Construction: Off-Road Equipment	Project Specific
Construction: Trips and VMT	Project specific

Construction: Dust From Material Movement	Project specific
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