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PACIFICORP

Lassen Substation

Amendment

Proponent's Environmental Assessment
for the Application of PacifiCorp (U 901 E)
for a Permit to Construct the Lassen Substation Project

PROJECT NUMBER:
136412

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POWER ENGINEERS

Proponent's Environmental Assessment for the Application of PacifiCorp (U 901 E) for a Permit to Construct the Lassen Substation Project

Amendment

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LASSEN SUBSTATION PROJECT

Revised Project Description/Impact Analysis
Underground Distribution Line Crossing of Interstate 5

1.0 PURPOSE OF THIS DOCUMENT

This document assesses the environmental impact(s) of the proposed revisions to the Lassen Substation Project (proposed Project or Project) and the impact analysis provided in the Proponent's Environmental Assessment (PEA) dated October 2015 (2015 PEA) .

A single component of the Project description is proposed for modification within this document. The proposed Project included the reconductoring of an existing underground distribution line changing it from underground to a new overhead crossing of Interstate 5 (I-5) at West Jessie Street. The revised Project involves undergrounding this distribution line at this same location but within new underground conduits. The existing underground distribution line at this location would still be removed from existing Caltrans culverts. The remaining components of the Project would remain the same and are described briefly below in section 2.0.

The purpose of this document is to evaluate whether the revised Project would result in any new or substantially greater significant environmental impacts or require any new mitigation measures not identified in the 2015 PEA. As verified in this document, the analyses and the conclusions in the 2015 PEA remain current and valid. No change has occurred with the revised Project relative to circumstances surrounding the proposed Project that would result in new environmental effects. In addition, no new information has become available that shows that the Project would result in new or more severe environmental effects which have not already been analyzed in the 2015 PEA; therefore, no new mitigation measures would be necessary.

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2.0 SUMMARY OF THE ORIGINAL PROPOSED PROJECT

2.1 Project Location

The proposed Project is located in the City of Mt. Shasta and Siskiyou County. The existing Mt. Shasta Substation and proposed Lassen Substation sites are both located west of I-5, in the south central portion of Siskiyou County. The Lassen Substation site is mapped in Township 40 North, Range 04 West, Section 21 northwest quadrant, of the City of Mt. Shasta Quadrangle of the U.S. Geological Survey's (USGS) 7.5-Minute Topographic Series.

Land uses in the vicinity of the existing and proposed substation sites and along the existing Line 2 are primarily rural residential, agricultural, and forest-related. The physical address for the proposed Lassen Substation site is 504 South Old Stage Road, Mt. Shasta, California. PacifiCorp also owns the adjacent property located at 506 South Old Stage Road. This site would be used as the material laydown yard during construction of the proposed Project, to reduce construction-related vehicle traffic on local roads. The overhead and underground distribution line locations are located in Siskiyou County and extend into the City of Mt. Shasta. The area in the vicinity of the distribution line upgrade consist of residences, a mobile home park, a hotel, a senior apartment community, undeveloped land, I-5, a power substation, a gasoline station, and commercial buildings. The proposed 1.5 mile reconstruction of the existing transmission line and the overhead and underground distribution line locations are within existing easements held by PacifiCorp.

2.2 Project Description

As described in the 2015 PEA, the proposed Project consists of removing the existing Mt. Shasta Substation and replacing it with a new substation, Lassen Substation, on a site adjacent to the existing Mt. Shasta Substation. The Project also consists of transmission line upgrades along Line 2 and the upgrade of two existing distribution lines. The existing Mt. Shasta substation would be removed once the Lassen Substation is operational.

As part of the proposed Project, 36 existing wood poles along the existing 69 kilovolt (kV) transmission line (Line 2, approximately 1.5 linear miles), that transports bulk electrical power into and from the existing Mt. Shasta Substation, would be upgraded to a higher pole class to remove and avoid sag in the transmission line and to comply with the California Code of Regulations, Title 8 and California Public Utilities Commission (CPUC) General Order 95 (GO-95) "Rules for Overhead Electric Line Construction," load requirements. The transmission line would initially operate at 69 kV, but would be constructed to 115 kV transmission line standards. The proposed Project would increase capacity to meet current and future projected demand.

The proposed Project also includes upgrades to the existing distribution system to meet current capacity requirements and to meet future load growth. The distribution system would be upgraded from a 4.16 kV line to a 12.47 kV line. The distribution line would be partially reconductored and the 12.47 kV distribution system would be reconnected in a new configuration to receive supply from three breakers at the proposed Lassen Substation. As part of the distribution line upgrade, approximately 1,200 feet of underground cable would be installed to increase capacity of an existing underground line.

PacifiCorp is proposing to:

- Construct a new Lassen Substation.
- Replace 36 transmission wood poles on Line 2 with upgraded wood poles framed for 115 kV and distribution underbuild.

- Install three new wood poles to connect the existing transmission system to the new Lassen Substation.
- Connect the existing transmission lines from the existing substation into the new substation through installation of 200 feet of overhead line.
- Connect the cable pulling vault to the existing distribution system through installation of three 300-foot underground conduits.
- Install three underground distribution circuits from cable pulling vault to a new underground/overhead transition pole.
- Reconductor two existing distribution lines.
- Install three 12.5 to 4.16 kV stepdown transformers on existing poles in Mt. Shasta.
- Install an underground cable approximately 1,200 feet to increase capacity of an existing underground line.
- Remove the existing Mt. Shasta Substation.

3.0 SUMMARY OF THE REVISED PROJECT

3.1 Project Location

The revised Project would occur in the same location as the proposed Project. The proposed Project is located in the City of Mt. Shasta and Siskiyou County. The existing Mt. Shasta Substation and proposed Lassen Substation sites are both located west of I-5, in the south central portion of Siskiyou County. Both the transmission and distribution lines to receive upgrades occur in Siskiyou County and extend into the City of Mt. Shasta.

The location of the proposed underground distribution line crossing I-5 at West Jessie Street from Pole 161406 to Pole 162400 occurs in the City of Mt. Shasta (refer to Figure 1 in Attachment A).

3.2 Underground Distribution Line Crossing 1-5

As part of the revised Project, PacifiCorp proposes to remove the existing underground circuit located in Caltrans culverts perpendicularly crossing under I-5 at West Jessie Street from Pole 161406 to Pole 162400 (refer to Figure 1 in Attachment A). PacifiCorp would then construct a new underground cable facility approximately 450 feet in length and adjacent to the existing crossing location. This new underground distribution line would consist of three #4/0 aluminum (Al) underground cables. The three underground distribution cables would be installed in a new six-inch conduit. The conduit would be designed to safely enclose and protect the cables that distribute power. A second six inch conduit would be installed immediately adjacent as a spare. The construction of the underground cable at this location would require an approximate 10-foot minimum easement from the Department of Transportation and PacifiCorp would need to obtain a highway underground drilling permit from Caltrans.

The revised Project consists of the following additional components:

- Install three #4/0 Al underground cables approximately 450 feet in length crossing under I-5 within a new six-inch conduit.
- Replace existing distribution poles 161406 and 162400.

The conduit would be installed from boring locations located on West Jessie Street to the west of I-5 and on West Jessie Street/Willow Street to the east of I-5, near Pole 161406 and Pole 162400, respectively (refer to Figure 1 in Attachment A). The length of the conduit would be approximately 450 feet and the size of the temporary work area during construction required for directional drilling operations would be approximately 50 feet by 100 feet or smaller. Slight excavation may be required; however, the volume of fill required would be minimal and is anticipated to be less than a cubic yard. Entry and exit pits, if needed, would each be approximately six feet by six feet with the respective drill holes anticipated to be approximately six inches). The boring locations would occur within existing concrete areas; the street and concrete areas would be restored to existing conditions once construction of the underground distribution line is complete.

The drilling process generally consists of locating a conduit pipe in a hole drilled along an underground arc between entry and exit pits, if needed, on each end of the distribution line using a bore machine, which is essentially a specialized drilling rig placed at a horizontal angle. The boring machine pushes and guides a drilling head connected to hollow pipe into the ground at a designated angle based on site conditions. Drilling mud and/or bentonite would be used to ensure that the hole around the conduit would be filled without voids. Based on the dimensions of the boring (six inches), the amount of drilling mud and/or bentonite would be minimal. As each joint of drill pipe advances into the ground through the drilled hole, a new pipe is added behind it. When the bore head and rod emerge on the opposite side of the crossing, a special cutter, called a back reamer, is attached and

pulled back through the pilot hole. The reamer bores out the pilot hole so that the pipe can be pulled through. Once the drilling is complete and the conduit is in place, the underground cables may be fed through the conduit.

Dewatering is not anticipated and therefore a dewatering plan is not required for the directional drilling and associated construction activities for installation of the underground distribution line.

The proposed overhead to underground transition structures would have the same configuration, height and size as the existing structures and would be located in the same general location as the existing structures. The existing wood structures would be removed in the same manner as described in the PEA for other wood pole removals.

The construction of the underground portion of the revised Project would proceed in accordance with the construction schedule outlined in the 2015 PEA which includes construction of the new Lassen Substation/demolition of the existing substation, pole removal/replacement, and upgrades to the existing transmission and distribution lines. As stated in the 2015 PEA, the overall construction schedule is expected to take approximately six to 12 months to complete. Construction of the underground distribution line is expected to take approximately one to two weeks. It is estimated that construction would require approximately four personnel utilizing one drill rig, back reamer, mud truck excavator vacuum trailer, and pipe reel trailer. It should be noted that additional personnel above what is listed in Table 3-5 of the 2015 PEA is not anticipated; rather, personnel will shift to the type of construction work being performed (installation of the underground distribution line verses installation of the overhead distribution line).

Construction equipment associated with the installation of the new underground distribution cable under I-5 is anticipated to be staged on West Jessie Street east of I-5 and West Jessie Street/Willow Street west of I-5 (Pole 161406 to Pole 162400).

3.3 Comparison of Proposed And Revised Project

The 2015 PEA evaluated the proposed Project; the revised Project would differ from the proposed Project in that the proposed overhead distribution line crossing I-5 is now proposed to cross under I-5. The existing underground distribution circuits in Caltrans culverts would still be removed.

The following discusses the modifications to the proposed Project and evaluates the revised Project's related environmental effects for the following resources:

- Aesthetics
- Agriculture and Forestry Resources
- Air Quality and Greenhouse Gas Emissions
- Biological Resources
- Cultural Resources
- Geology and Soils
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Mineral Resources
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation and Traffic
- Utilities and Service Systems

3.3.1 Aesthetics

As previously described, the revised Project involves the undergrounding of the distribution line adjacent to the current underground distribution line at I-5 and West Jessie Street. I-5 at this location is designated a Volcanic Legacy National Scenic Byway. Potential visual impacts would be associated with the presence of the new/or upgraded overhead to underground distribution structures located in the same area as the existing Poles 161406 and 162400, and the presence of equipment during construction. Other aesthetic impacts associated with the new Lassen Substation, demolition of the existing Mt. Shasta Substation, and transmission/distribution line upgrades as described in the 2015 PEA remain unchanged.

The proposed overhead to underground transition structures would have the same configuration and size as the existing structures (refer to Figures 2 and 3 in Attachment A) and would be located in the same area as the existing structures. The visual character of the revised Project would be compatible with the existing visual character of the corridor. Visual contrasts would be very weak, and would primarily be created as a result of the lighter color of the new structures. Form, line and texture structure contrasts would not occur. The vividness, intactness and unity of the existing corridor would remain the same, resulting in no alternation to visual quality. Resource change would be very low because the visual character of the Project would be compatible with the existing visual character of the corridor and the visual quality of the existing corridor would not be altered by the Project. Short term visual contrasts, however, would result from the construction of the revised Project.

Short term contrasts would be created as a result of vegetation removal and the presence of drilling equipment, such as the horizontal directional drilling boring rig unit, pipe reel, or other equipment. Short term landform contrasts would be created by soil exposure caused by entry point excavation and soil stockpiling. These contrasts would remain for the extent of the drilling process and until constructed surfaces such as asphalt or concrete paving are repaired or the vegetated area is re-established.

Views occurring from Viewpoint #10, Volcanic Legacy Byway-Northbound View from the Volcanic Legacy Byway, would be very brief (see Table 4.2-3 *Viewpoint Impact Summary* of the 2015 PEA; pages 75-76), because the new overhead to underground transition distribution structures would have the same configuration, height and size as the existing structures and would be located in the same general location as the existing structures; therefore, these structures would be identical in scale and dominance as the existing structures being viewed in the immediate foreground. Nearby residences would have long duration views; however, very weak contrasts would occur. Overall, it is anticipated that the average viewer response or visual impact created by the replacement of the transition structures and short term construction impacts would be low.

The impacts discussed as a result of the addition of a new overhead distribution line conductor and new structures described on page 77 (under criteria b and c) of the 2015 PEA would not occur as previously described. Additionally, the photo simulation from Viewpoint 10 as referenced in the PEA and as shown in Appendix A is not applicable to the revised Project as a result of the revised Project described in this document. The “Existing Conditions” shown in the photo simulation would be identical to the “Proposed Conditions,” and therefore, the photo simulation does not depict the revised Project, and is not applicable.

3.3.2 Agriculture and Forestry Resources

The 2015 PEA concluded that the proposed Project would not have any impact on agricultural land, agricultural activities, or forest resources, and would not result in the conversion of farmland to non-agricultural use. The proposed underground distribution line crossing under I-5 would not be located on lands currently used for agricultural production or involve the conversion of agricultural uses to

non-agricultural use. As such, the revised Project would not result in significant impacts and would not result in new impacts above those previously disclosed in the 2015 PEA and no mitigation is required.

3.3.3 Air Quality and Greenhouse Gas Emissions

Air Quality

The 2015 PEA concluded that the proposed Project would result in less than significant impacts on air quality relative to regional and local impacts and would not expose sensitive receptors to substantial pollutant concentrations or objectionable odors. Project construction would result in temporarily increased emissions of fugitive dust during grading activities. Fugitive dust emissions would be controlled through implementation of Applicant Proposed Measure (APM) AQ-1 and standard dust control measures, and would be less than significant.

In order to address the underground portion of the revised Project, the CalEEMod model was updated to include construction of the underground distribution line under I-5 (refer to Attachment B for updated CalEEMod model outputs). The assumptions in the model assume that construction of the underground portion of the revised Project is simultaneous with the other construction activities, to define a worst case.

Table 3.3.2-1 of the 2015 PEA has been revised (revisions are highlighted in yellow) to include emissions during construction of the underground distribution line crossing under I-5. As shown, implementation of the revised Project would not alter the significance conclusions in the 2015 PEA. The revised Project would not result in significant impacts relative to air quality and would not result in new impacts above those previously disclosed in the 2015 PEA and no additional mitigation is required.

TABLE 3.3.2-1 MAXIMUM DAILY CONSTRUCTION EMISSIONS, LBS/DAY

EMISSION SOURCE	EMISSIONS, LBS/DAY[1]					
	ROG	NOx	CO	SOx	PM_{10}	$PM_{2.5}$
House Demolition						
Heavy Equipment	3.72	44.59	20.48	0.05	1.81	1.62
Hauling	0.02	0.14	0.18	0.00	0.01	0.01
Construction Trucks	0.02	0.08	0.18	0.00	0.01	0.00
Worker Vehicles	0.07	0.09	1.02	0.00	0.10	0.03
Total Daily	3.83	44.90	21.86	0.05	1.93	1.66
Significance Threshold	250	250	2500	250	250	250
Above Threshold?	No	No	No	No	No	No
LASSEN SUBSTATION						
Construction Management						
Construction Trucks	0.02	0.08	0.18	0.00	0.01	0.00
Worker Vehicles	0.02	0.02	0.25	0.00	0.02	0.01
Total Daily	0.04	0.10	0.43	0.00	0.03	0.01
Significance Threshold	250	250	2500	250	250	250
Above Threshold?	No	No	No	No	No	No
Lassen Substation – Survey						
Construction Trucks	0.02	0.08	0.18	0.00	0.01	0.00
Worker Vehicles	0.05	0.07	0.76	0.00	0.08	0.02
Total Daily	0.07	0.15	0.94	0.00	0.09	0.02
Significance Threshold	250	250	2500	250	250	250
Above Threshold?	No	No	No	No	No	No

EMISSION SOURCE	EMISSIONS, LBS/DAY[1]					
	ROG	NOx	CO	SOx	PM_{10}	$PM_{2.5}$
Site Preparation/Grading						
Fugitive Dust	-	-	-	-	2.97	1.62
Heavy Equipment	5.26	58.65	32.58	0.06	2.58	2.37
Construction Trucks	0.02	0.08	0.18	0.00	0.01	0.00
Worker Vehicles	0.09	0.12	1.27	0.00	0.13	0.04
Total Daily	5.37	58.85	34.03	0.06	5.69	4.03
Significance Threshold	*250*	*250*	*2500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Material Haul						
Fugitive Dust	-	-	-	-	0.04	0.004
Heavy Equipment	3.24	38.28	16.73	0.03	1.67	1.53
Worker Vehicles	0.05	0.07	0.76	0.00	0.08	0.02
Total Daily	3.29	38.35	17.49	0.03	1.79	1.55
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Access Road Construction						
Fugitive Dust	-	-	-	-	2.97	1.62
Heavy Equipment	3.75	40.42	23.09	0.03	1.97	1.81
Construction Trucks	0.02	0.08	0.18	0.00	0.01	0.00
Worker Vehicles	0.05	0.07	0.76	0.00	0.08	0.02
Total Daily	3.82	40.57	24.03	0.03	5.03	3.45
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Concrete Placement and Framework						
Heavy Equipment	2.18	24.59	11.71	0.03	0.91	0.84
Construction Trucks	0.02	0.07	0.15	0.00	0.01	0.00
Worker Vehicles	0.08	0.10	1.10	0.00	0.13	0.04
Total Daily	2.28	24.76	12.96	0.03	1.05	0.88
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Steel Installation						
Heavy Equipment	2.16	24.19	10.86	0.03	1.07	0.99
Construction Trucks	1.48	7.07	15.03	0.02	0.71	0.29
Worker Vehicles	0.08	0.10	1.10	0.00	0.13	0.04
Total Daily	3.72	31.36	26.99	0.05	1.91	1.32
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Equipment Installation						
Heavy Equipment	1.13	12.90	6.36	0.01	0.65	0.60
Construction Trucks	1.48	7.07	15.03	0.02	0.71	0.29
Worker Vehicles	0.06	0.08	0.88	0.00	0.10	0.03
Total Daily	2.67	20.05	22.27	0.03	1.46	0.92
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Bus Work						
Heavy Equipment	1.50	12.79	7.19	0.01	0.62	0.59

EMISSION SOURCE	EMISSIONS, LBS/DAY[1]					
	ROG	NOx	CO	SOx	PM_{10}	$PM_{2.5}$
Construction Trucks	0.02	0.07	0.15	0.00	0.01	0.00
Worker Vehicles	0.06	0.08	0.88	0.00	0.10	0.03
Total Daily	1.58	12.94	8.22	0.01	0.73	0.62
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Testing and Energization						
Construction Trucks	0.02	0.07	0.15	0.00	0.01	0.00
Worker Vehicles	0.03	0.04	0.44	0.00	0.05	0.01
Total Daily	0.05	0.11	0.59	0.00	0.06	0.02
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Fencing						
Worker Vehicles	0.06	0.08	0.88	0.00	0.10	0.03
Total Daily	0.06	0.08	0.88	0.00	0.10	0.03
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Marshalling Yard						
Worker Vehicles	0.03	0.04	0.44	0.00	0.05	0.01
Total Daily	0.03	0.04	0.44	0.00	0.05	0.01
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Right-of-Way Restoration and Cleanup						
Fugitive Dust	-	-	-	-	2.94	1.61
Heavy Equipment	2.58	28.78	18.28	0.03	1.22	1.12
Worker Vehicles	0.06	0.08	0.88	0.00	0.10	0.03
Total Daily	2.64	28.86	19.16	0.03	4.26	2.76
Significance Threshold	*250*	*250*	*2500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
TRANSMISSION/DISTRIBUTION LINE CONSTRUCTION						
Construction Management						
Construction Trucks	0.02	0.08	0.18	0.00	0.01	0.00
Worker Vehicles	0.02	0.02	0.25	0.00	0.02	0.01
Total Daily	0.04	0.10	0.43	0.00	0.03	0.01
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Survey						
Construction Trucks	0.02	0.08	0.18	0.00	0.01	0.00
Worker Vehicles	0.06	0.07	0.76	0.00	0.08	0.02
Total Daily	0.08	0.15	0.94	0.00	0.09	0.02
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Access Road Construction						
Fugitive Dust	-	-	-	-	2.99	1.62
Heavy Equipment	3.75	40.42	23.09	0.03	1.97	1.81
Construction Trucks	0.02	0.08	0.18	0.00	0.01	0.00
Worker Vehicles	0.04	0.05	0.51	0.00	0.05	0.01

EMISSION SOURCE	EMISSIONS, LBS/DAY[1]					
	ROG	NOx	CO	SOx	PM_{10}	$PM_{2.5}$
Total Daily	3.81	40.55	23.78	0.03	5.02	3.44
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Auger Holes, Direct Imbed Poles						
Heavy Equipment	2.89	29.66	14.62	0.04	1.34	1.27
Worker Vehicles	0.08	0.10	1.10	0.00	0.13	0.04
Total Daily	2.97	29.76	15.72	0.04	1.47	1.31
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Material Haul						
Fugitive Dust	-	-	-	-	0.05	0.005
Heavy Equipment	3.24	38.28	16.73	0.03	1.67	1.53
Worker Vehicles	0.05	0.07	0.76	0.00	0.08	0.02
Total Daily	3.29	38.35	17.49	0.03	1.80	1.56
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Structure Assembly and Installation						
Heavy Equipment	3.27	36.88	17.57	0.05	1.37	1.26
Construction Trucks	1.48	7.07	15.03	0.02	0.71	0.29
Worker Vehicles	0.08	0.10	1.10	0.00	0.13	0.04
Total Daily	4.83	44.05	33.70	0.07	2.21	1.59
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Structure Erection						
Heavy Equipment	3.27	36.88	17.57	0.05	1.37	1.26
Construction Trucks	1.48	7.07	15.03	0.02	0.71	0.29
Worker Vehicles	0.08	0.10	1.10	0.00	0.13	0.04
Total Daily	4.83	44.05	33.70	0.07	2.21	1.59
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Underground Distribution Line						
Fugitive Dust	-	-	-	-	0.01	0.001
Heavy Equipment	0.85	8.83	7.27	0.01	0.53	0.49
Construction Trucks	0.02	0.07	0.15	0.00	0.01	0.00
Worker Vehicles	0.12	0.16	1.76	0.00	0.21	0.06
Total Daily	0.99	9.06	9.18	0.01	0.76	0.55
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Underground Distribution Line – I-5						
Fugitive Dust	-	-	-	-	0.01	0.001
Heavy Equipment	1.48	17.99	8.35	0.03	0.62	0.57
Construction Trucks	0.02	0.07	0.15	0.00	0.01	0.00
Worker Vehicles	0.12	0.16	1.76	0.00	0.21	0.06
Total Daily	1.62	18.22	10.26	0.03	0.85	0.63
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No

EMISSION SOURCE	EMISSIONS, LBS/DAY[1]					
	ROG	NOx	CO	SOx	PM_{10}	$PM_{2.5}$
Wire Installation						
Heavy Equipment	9.68	110.05	56.16	0.11	4.99	4.59
Construction Trucks	1.51	7.21	15.33	0.02	0.73	0.29
Worker Vehicles	0.12	0.16	1.76	0.00	0.21	0.06
Total Daily	11.31	117.42	73.25	0.13	5.93	4.94
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Right of Way Restoration and Cleanup						
Fugitive Dust	-	-	-	-	2.94	1.61
Heavy Equipment	2.58	28.78	18.28	0.03	1.22	1.12
Worker Vehicles	0.06	0.08	0.88	0.00	0.10	0.03
Total Daily	2.64	28.86	19.16	0.03	4.26	2.76
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
DEMOLITION OF MT. SHASTA SUBSTATION						
Equipment Removal						
Fugitive Dust	-	-	-	-	0.38	0.06
Heavy Equipment	2.14	24.92	12.23	0.03	1.05	0.96
Hauling	0.11	0.85	1.12	0.00	0.09	0.04
Worker Vehicles	0.06	0.08	0.88	0.00	0.10	0.03
Total Daily	2.31	25.85	14.23	0.03	1.62	1.09
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Foundation Removal						
Fugitive Dust	-	-	-	-	0.79	0.12
Heavy Equipment	2.97	32.20	17.70	0.04	1.49	1.37
Hauling	0.23	1.78	2.35	0.01	0.19	0.07
Worker Vehicles	0.06	0.08	0.88	0.00	0.10	0.03
Total Daily	3.26	34.06	20.93	0.05	2.57	1.59
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
Grading						
Fugitive Dust	-	-	-	-	2.96	1.62
Heavy Equipment	2.97	32.59	21.27	0.03	1.52	1.39
Worker Vehicles	0.06	0.08	0.88	0.00	0.10	0.03
Total Daily	3.03	32.67	22.15	0.03	4.58	3.04
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
MAXIMUM DAILY EMISSIONS						
2016	19.68	216.88	117.67	0.19	19.39	14.08
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No
2017	18.30	199.21	114.58	0.24	18.51	13.27
Significance Threshold	*250*	*250*	*2,500*	*250*	*250*	*250*
Above Threshold?	No	No	No	No	No	No

[1]Fugitive dust emissions from site preparation, grading, and underground distribution line construction have been based on the total size of the substation site (4.5 acres) for the substation; the total length of the transmission line (approximately 7,000 feet) times 50 feet for a total of eight acres; the total length of the distribution line (approximately 1,200 feet); and the size of the existing substation (0.5 acre).

Greenhouse Gas Emissions

The 2015 PEA concluded that the proposed Project would result in less than significant impacts related to greenhouse gas (GHG) emissions and would not result in a cumulatively considerable contribution of GHG emissions. It was concluded that, given the nature of the Project, the main source of GHGs would be from construction of the substation. Operational emissions would be minor in comparison with construction emissions.

In order to address the revised Project the CalEEMod model was updated to include construction of the underground distribution line under I-5 (updated CalEEMod model outputs are attached). The assumptions in the model include construction of the underground portion of the revised Project is simultaneous with the other construction activities, to define a worst case.

Table 3.3.2-2 of the 2015 PEA has been revised (revisions are highlighted in yellow) to include emissions during construction of the underground distribution line under I-5. As shown, implementation of the revised Project would not alter the significance conclusions in the 2015 PEA. The revised Project would not result in significant GHG emissions nor would it conflict with applicable plans, policies, or regulations for reducing emissions of GHGs; therefore, no impact would occur. The revised Project would not result in new impacts above those previously disclosed in the 2015 PEA and no additional mitigation is required.

TABLE 3.3.2-2 TOTAL CONSTRUCTION GHG EMISSIONS, METRIC TONS/YEAR

CO_2	CH_4	N_2O	CO_2E
1,862	0.4628	0.00	1,872

3.3.4 Biological Resources

Special Status Species

The 2015 PEA analyzed impacts to biological resources and concluded that the proposed Project could result in significant impacts to various special-status animal and plant species. POWER Engineers, Inc. (POWER) prepared a *Biological Resources Habitat Assessment* to evaluate impacts to special status species. Methods used to identify and describe biological resources in the Project area and the larger biological survey area (BSA) included a desktop pre-field investigation to review existing information for the region and reconnaissance-level habitat assessments of the BSA. The BSA is defined as the area within 250 feet of the existing and proposed substation, existing transmission/distribution lines, and within 50 feet of existing and temporary access roads.

Preliminary investigation included review of information obtained from literature searches, examinations of habitat as discernible from aerial photographs, and database searches including California Native Plant Society (CNPS) and the California Natural Diversity Database (CNDDB) records. To identify the existing and potential biological resources present in the vicinity of the proposed Project, a geographic information system (GIS) search was performed. This consisted of mapping baseline biological resource data (vegetation mapping, CNDDB records, and water resources).

POWER also conducted an initial reconnaissance-level biological resource survey on September 14, 15, and 16, 2014. A second reconnaissance-level survey was conducted on July 15 and 16, 2015 to account for updates in the Project ROW.

Though the CNDDB database search and reconnaissance-level biological resource surveys, it was determined that 25 sensitive plant species potentially occur within the BSA and 27 special-status wildlife species potentially occur within the BSA.

With implementation of the APMs BIO-1 through BIO-11 (which would minimize or avoid impacts to special-status animal and plant species) described in the 2015 PEA, impacts to special-status animal and plant species would be less than significant. The proposed underground distribution line is located in the same BSA evaluated in the 2015 PEA; therefore no additional field surveys are required. The disturbance area would be minimal in size; approximately 50 feet by 100 feet for the temporary work area and about six feet by six feet, if necessary, for any entry and exit pits. During construction any pits would be covered during times of inactivity in or near the entry or exit pits using plywood or other appropriate material and would be secured in place. The construction crew would remove the cover prior to beginning construction activities. An Environmental Monitor would inspect the pit or pits prior to commencing construction activities. In accordance with APM-6 in the 2015 PEA, Environmental Monitors would be assigned to the Project to ensure that impacts to special-status species, native vegetation, wildlife habitat, or unique resources are avoided to the fullest extent possible. Therefore, implementation of the revised Project would not result in new or more severe significant impacts relative to special-status animal and plant species and would not alter the significance conclusions in the 2015 PEA; therefore, no additional mitigation is required.

Vegetation Cover

The 2015 PEA analyzed vegetation clearing for access to pole sites and pole replacement and determined that there is the potential to remove plants that may provide forage and cover for wildlife species. Impacts associated with vegetation clearing would be minimized to the greatest extent feasible with AMP BIO-3. Removal of vegetation also increases the potential for post-construction erosion. Project APM BIO-4 would address erosion protection and would minimize the potential impacts related to post-construction erosion effects. Invasive plants may compete with native vegetation for resources, and may also change the local fire regime. Implementation of APM BIO-2 would minimize the potential for construction vehicles and equipment to carry non-native vegetation into the Project area. Implementation of APM BIO-5 and APM BIO-6, impacts related to vegetation removal would be less than significant.

Any vegetation clearing associated with construction of the underground distribution line would be minimal and result in similar impacts as the proposed Project; APMs BIO-2, BIO-3, BIO-4, BIO-5, and BIO-6 would reduce impacts related to vegetation removal to less than significant. Implementation of the revised Project would not result in new or more severe impacts relative to vegetation and would not alter the significance conclusions in the 2015 PEA; therefore, no additional mitigation is required.

Wetlands

The 2015 PEA analyzed impacts to water resources and concluded that the proposed Project would result in less than significant impacts to wetlands with implementation of mitigation. POWER prepared a *Jurisdictional Delineation Report* to evaluate impacts to wetlands. Prior to conducting the on-site field investigations, an inventory of readily available data was conducted and reviewed. Aerial photography, USGS topographic maps, National Wetland Inventory (NWI) maps, data from the National Hydrography Dataset (NHD), and Natural Resources Conservation Service (NRCS) soil surveys of the Project area were examined to determine areas of potential United States Army Corps of Engineers (USACE) jurisdiction and the locations of wetlands and waterways. On September 15 and 16, 2011 and on July 15 and 16, 2015, POWER biologists conducted a survey of potentially jurisdictional features adjacent to the proposed Lassen Substation site or crossed by the PacifiCorp ROW and proposed access routes anticipated to be used to access the ROW during construction of the Project area.

Through the delineation it was determined that permanent impacts to wetlands would consist of placing fill, in the form of new holes for poles and backfill materials, in wetlands or areas that are

deemed wetland mitigation areas. Installation of poles would result in permanent impacts of 28.58 square feet (0.0007 acre) in wetland areas.

Temporary impacts would result from ground disturbance for temporary access to pole sites and disturbance of wetlands during construction activities, including removal of the distribution line adjacent to Cold Creek in the Morgan-Merrill Wildlife Preserve, resulting in a temporary disturbance area of 1.978 acres (86,165.6 square feet) to wetlands. Construction vehicles and equipment could create ruts, or compress soils. Removal of wetland vegetation could alter wetland ecosystems and result in localized erosion, and filling of waters or wetlands downgradient through sedimentation.

Implementation of APM BIO-3, APM BIO-4, APM BIO-5, APM BIO-6, APM BIO-8, and APM BIO-10 would reduce temporary and permanent impacts to wetlands to less than significant.

For the revised Project, directional drilling for undergrounding of the distribution line between poles #161406 and #162400 would occur near the wetlands north and south of Hatchery Lane; however, the work areas would be located on paved streets (West Jessie Street) and drilling would be beneath I-5, which was constructed on a berm comprised of fill material and is not a wetland. Given the proximity of wetlands there is a potential for groundwater to be encountered during drilling operations, but as discussed in Hydrology and Water Quality below, potential impacts to groundwater discharging into nearby wetlands would be less than significant.

The construction materials and methods employed during the construction of an interstate highway, like Interstate 5, render the likelihood of any large cavity or void minimal. The risk of frackout is also minimal because the vertical elevation difference in the entry location to exit location is negligible which reduces the possibility of a significant pressure buildup which could push the drilling mud into any existing fissures or fractures . If, however, a slight amount of frackout did occur, the risk to the surrounding area is negligible because drilling mud is clay based and non-hazardous and the drill areas are not located in proximity to any sensitive area.

Implementation of the revised Project would not result in new or more severe impacts relative to wetlands and would not alter the significance conclusions in the 2015 PEA; therefore, no additional mitigation is required.

3.3.5 Cultural Resources

The 2015 PEA analyzed impacts to cultural resources associated with implementation of the proposed Project and concluded that the Project would not result in impacts to historical resources or archaeological and paleontological resources. Cultural resource records searches were conducted at the Northeast California Information Center (NEIC) in 2009, 2011 and 2014, and Native American coordination with the Native American Heritage Commission (NAHC) and various tribal authorities was conducted in 2011. A field survey of the proposed Lassen Substation location was conducted on July 29, 2011 and the linear survey of the pole replacement locations was conducted on Sept 14, 2011.. Surveys along transmission and distribution lines that extend into the City of Mt. Shasta east of I-5 were conducted on July 16 and 17, 2015. The latter survey area included the proposed underground distribution line location (refer to Figure 1 in Attachment A).

Based on the records searches and the field surveys, it was determined that there is some potential that subsurface historic-era resources or archaeological resources could be uncovered during construction. However, similar to the proposed Project area, the revised Project area has been previously disturbed. The boring locations would occur within existing concrete/paved areas that have previously been graded. In addition, the proposed overhead to underground transition structures would be located in the same area as the existing structures; therefore, it is unlikely that buried historic-era resources or archaeological resources would be uncovered during construction. It is not

anticipated that the revised Project would result in substantial adverse impact to subsurface historic-era resources or archaeological resources.

Record searches conducted for the Project did not identify previously documented resources containing human remains, nor was surface evidence of human remains identified during the reconnaissance surveys. No recorded graves or graveyards are known to occur within one mile of the Project site. The NAHC and local Native American tribal organizations did not report any known human burial locations in or near the Project area. These data suggest that it is unlikely that human remains, either historic or prehistoric, would be impacted by the revised Project, however, there is potential that such remains could be uncovered during construction. Should human remains be discovered during construction, the Project would be subject to the regulations of the California Health and Safety Code Section 7050.5, PRC Section 5097.98; therefore no impact would occur.

Paleontological research has shown that it is extremely unlikely that paleontological resources would be encountered during construction. Similar to the proposed Project, the revised Project is not anticipated to directly or indirectly destroy a unique paleontological resource or site or unique geological feature and no impact would occur.

The proposed underground distribution line is located in the same study area evaluated in the 2015 PEA and the entry and exit pits of the directional drilling is located more than 1,500 feet from any known cultural resource. Because the boring locations have previously been included in the surveys conducted by POWER archaeologists on July 29 and September 14, 2011 and July 16 and 17, 2015, no additional field surveys, record searches, or Native American coordination is required. For this reason, the revised Project would not result in significant impacts and would not result in new impacts above those previously disclosed in the 2015 PEA. No mitigation is required.

3.3.6 Geology and Soils

The 2015 PEA analyzed the geological, seismic, and soil conditions within the proposed Project area. The PEA identified areas of potential impact, including damage due to seismic ground shaking, seismic-related ground failure (liquefaction), lurching, and expansive soils. The 2015 PEA concluded that the proposed Project would not result in potentially significant impacts on the environment relative to geology and soils. The 2015 PEA also concluded that with implementation of the recommendations in the site-specific geotechnical investigation prepared for the proposed Project along with standard engineering practices, no significant geology and soil impacts would occur, including impacts related to unstable soil, expansive soil, soil erosion, and the loss of topsoil.

Construction of the revised Project would occur within the same study area as evaluated in the 2015 PEA and would be subject to similar geological, seismic and soil conditions. Similar to the proposed Project, the revised Project would be constructed in compliance with applicable construction codes and requirements intended to mitigate any adverse impacts resulting from ground sharking, ground failure, liquefaction, and expansive soils. Therefore, impacts resulting from seismic-related events would be less than significant. As stated above, due to the construction materials and methods employed during the construction of an interstate highway, like Interstate 5, the likelihood of any large cavity or void is minimal. In addition, the risk of frackout is minimal because the vertical elevation difference in the entry location to exit location is negligible which reduces the possibility of a significant pressure buildup which could push the drilling mud into any existing fissures or fractures.. If a slight amount of frackout did occur the risk, to the surrounding area is negligible because drilling mud is clay based and non-hazardous and the drill areas are not located in proximity to any sensitive area.

The proposed underground distribution line crossing under I-5 would not result in significant impacts relative to geology and soils and would not result in new impacts above those previously disclosed in the 2015 PEA and no additional mitigation is required.

Hazards and Hazardous Materials

The 2015 PEA evaluated effects associated with hazards and hazardous materials as a result of implementation of the proposed Project. A Phase I Environmental Site Assessment (Phase I ESA) was conducted in July 2015 to address APN 036-220-280 and APN 036-220-170, as well as the transmission line and distribution line upgrade locations associated within the proposed Project. Previous Phase I ESA reports were prepared in 2011 and 2014, respectively. The record searches and field reconnaissance performed in 2011 and 2014 did not identify any obvious potential on-site or off-site sources of recognized environmental conditions (RECs). The ESAs included reconnaissance visits to the two properties on-site, reviews of readily available literature and historic documentation of the properties, title reports, regulatory agency databases, searches for environmental cleanup liens, interviews with representatives of the local Environmental Health Department, and interviews with the current landowners. The 2015 PEA concluded that significant effects related to a release of hazardous materials would be less than significant with incorporation of APMs HAZ-1 through HAZ-3 and APM WQ-1.

During the construction phase of the revised Project, there is a limited risk of accidental release of hazardous materials such as gasoline, oil, or other fluids in the operation and maintenance of construction equipment. This risk was analyzed in the 2015 PEA and determined to be less than significant with implementation of APMs HAZ-1through APM HAZ-3 and APM WQ-1. Construction of the revised Project would also adhere to APMs HAZ-1 through HAZ-3 and WQ-1. Similar to the proposed Project, the revised Project would also be required to comply with applicable City, State, and federal regulations. Implementation of Project APMs and compliance with standard state and local construction requirements would reduce the risk of any damage or injury from potential hazards associated with construction activities to a less than significant level.

Construction of the revised Project would occur within the same study area as evaluated in the 2015 PEA and the July 2015 Phase I ESA. The proposed underground distribution line crossing under I-5 would not result in significant impacts relative to hazards and hazardous materials and would not result in new impacts above those previously disclosed in the 2015 PEA and no additional mitigation is required.

3.3.7 Hydrology and Water Quality

The 2015 PEA analyzed effects to hydrology and water quality associated with implementation of the proposed Project. The 2015 PEA determined that construction activities associated with the proposed Project could result in soil erosion that could adversely affect water quality and would require implementation of a Stormwater Pollution Prevention Plan (SWPPP) prior to commencement of ground-disturbing activities. As required by the State Water Resources Control Board (SWRCB), the SWPPP would outline measures to minimize or prevent erosion, sedimentation, or the release of pollutants into stormwater during construction of the Project. To minimize impacts related to erosion and discharge of pollutants, BMPs outlined in the SWPPP would be applied as required by NPDES General Construction Activity Storm Water Permit (refer to APM WQ-1). Implementation of BMPs identified in the SWPPP would ensure that the proposed Project would comply with federal, State, and local water pollution control regulations. Therefore, as stated in the 2015 PEA, the proposed Project would not violate any water quality standards or waste discharge requirements and impacts to water quality related to erosion during construction would be less than significant.

Similarly, the revised Project would occur in the same vicinity as the proposed Project and would be subject to the same hydrological conditions and would adhere to the SWPPP and APM's as described in the 2015 PEA. Therefore, implementation of the revised Project would not violate any water quality standards or waste discharge requirements. Impacts to water quality related to erosion during construction would be less than significant and no additional mitigation is required.

Directional drilling activities associated with the revised Project, between pole #161406 and pole #162400, has a slight potential of violating water quality standards or waste discharge requirements if spoils such as drilling mud or slurry escape the work site. To minimize this potential, BMPs identified in the SWPPP (e.g., sump pits at drill entrance and exit sites) would be implemented to retain the drilling mud returns on site until the material can be disposed of at an approved facility.

As stated above, due to the construction materials and methods employed during the construction of an interstate highway, like Interstate 5, the likelihood of any large cavity or void is minimal. In addition, the risk of frackout is minimal because the vertical elevation difference in the entry location to exit location is negligible which reduces the possibility of a significant pressure buildup which could push the drilling mud into any existing fissures or fractures.If a slight amount of frackout did occur the risk, to the surrounding area is negligible because drilling mud is clay based and non-hazardous and the drill areas are not located in proximity to any sensitive area.

Groundwater may be encountered during directional drilling operations. One of the functions of drilling mud is to stabilize the hole to prevent collapse; however, drilling mud also forms a barrier that lines the wall of the hole and prevents leakage of fluids into the surrounding soil formation. Therefore, impacts to water quality standards or to waste discharge standards resulting from directional drilling would be less than significant.

Implementation of the revised Project would not introduce a substantial increase of impermeable surfaces and would not include addition of impermeable surfaces.

Directional drilling operations would require the use of water, but water will be trucked in for these operations and will not require use of groundwater; thus directional drilling operations will not result in depletion of groundwater supplies, a net deficit of aquifer volume, or a lowering of the local water table.

Similar to the proposed Project, the revised Project would not alter the course of a stream or river within the Project site, or involve extensive grading operations or other activities that would alter the existing drainage or flooding pattern of the site. The Project area is not located within a 100-year flood hazard area; therefore, the revised Project would not place housing or other structures within a 100-year flood hazard area. Like the proposed Project, localized flooding within the Project site would not expose people or structures to a significant risk of loss, injury, or death.

No new or substantially more severe effects would occur with the revised Project and no additional mitigation measures are required.

3.3.8 Land Use and Planning

The 2015 PEA concluded that the proposed Project is consistent with Siskiyou County and City of Mt. Shasta General Plans and Zoning Ordinances, and that the proposed Project would not physically divide an established community, conflict with applicable plans or policies, or result in any other significant land use impacts. Construction of the revised Project would occur within the same study area as evaluated in the 2015 PEA. Implementation of the revised Project would not alter the significance conclusions and would not result in new impacts above those previously disclosed in the 2015 PEA and no mitigation is required.

3.3.9 Mineral Resources

The 2015 PEA concluded that the Project would not result in any significant impacts from the loss of availability of a known mineral resource or the loss of a locally-important mineral resource recovery site. Construction of the revised Project would occur within the same study area as evaluated in the 2015 PEA. Implementation of the revised Project would not alter the significance conclusions and would not result in new impacts above those previously disclosed in the 2015 PEA, no mitigation is required.

3.3.10 Noise

The 2015 PEA identified that noise impacts from temporary demolition and construction-related noise would occur within rural agricultural and residential areas, but would be within acceptable levels of local plans and ordinances; however, it concluded that those impacts would be less than significant. Construction of the underground distribution line would require minor excavation, earthwork activities and use of construction equipment that could result in infrequent periods of high noise. However, this noise would not be sustained and would occur only during the temporary construction period of approximately one to two weeks. Furthermore, no construction activities would occur in proximity to existing residential uses except between the hours of 7 a.m. and 5 p.m., Monday through Friday, or 8 a.m. to 5 p.m. on Saturdays resulting in a less than significant noise impact. The revised Project would not result in increased noise impacts or alter the significance conclusions above those previously disclosed in the 2015 PEA. Therefore, no additional mitigation is required.

3.3.11 Population and Housing

The 2015 PEA concluded that the proposed Project would not induce substantial growth, displace any existing housing units or people, and would not necessitate the construction of replacement housing elsewhere resulting in a less than significant impact on population and housing. The revised Project would be located in the same study area as evaluated in the 2015 PEA; similar to the proposed Project, the revised Project would not result in adverse effects to population and housing. There are no new impacts above those previously disclosed in the 2015 and no mitigation is required.

3.3.12 Public Services

The 2015 PEA concluded that the proposed Project would not result in adverse physical impacts associated with a need for new public safety, recreational, or educational facilities in order to maintain acceptable levels of service. The revised Project would be located in the same study area as evaluated in the 2015 PEA; similar to the proposed Project, the revised Project would not result in adverse effects to public services. There are no new impacts above those previously disclosed in the 2015 and no mitigation is required.

3.3.13 Recreation

Similar to the proposed Project in the 2015 PEA, the revised Project would not involve the addition of residential uses or induce substantial population growth, displace any existing housing units or people, and would not necessitate the construction of replacement housing elsewhere. As such, there would be no increase in the use of existing parks or the need to construct new recreational facilities. The revised Project would be located in the same study area as evaluated in the 2015 PEA; similar to the proposed Project, the revised Project would not result in adverse effects to recreational facilities. There are no new impacts above those previously disclosed in the 2015 and no mitigation is required.

3.3.14 Transportation/Traffic

The 2015 PEA analyzed effects to transportation/traffic and determined that construction of the proposed Project would not result in a substantial increase in traffic in relation to existing traffic load and capacity of the street system. Additionally, it would not affect pedestrian or bicycle paths or mass transit. As a result, impacts related to increased traffic during construction would be less than significant. Similar to the proposed Project, during construction of the revised Project, traffic would be generated as a result of required deliveries of materials and equipment to the proposed underground distribution construction site, staging areas, and pole sites. The construction of the underground portion of the revised Project would proceed in accordance with the construction schedule outlined in the 2015 PEA which includes construction of the new Lassen Substation/demolition of the existing substation, pole removal/replacement, and upgrades to the existing transmission and distribution lines. As stated in the 2015 PEA, the overall construction is expected to take approximately six to 12 months to complete. However, construction of the underground distribution line is expected to take approximately one to two weeks. It is estimated that construction would require approximately four personnel utilizing one drill rig, mud truck excavator vacuum trailer, and pipe reel trailer. It should be noted that additional personnel above what is listed in Table 3-5 of the 2015 PEA is not anticipated; rather, personnel will shift to the type of construction work being performed (installation of the underground distribution line verse installation of the overhead distribution line). Construction equipment associated with the installation of the new underground distribution cable under I-5 is anticipated to be staged on West Jessie Street east of I-5 and West Jessie Street/Willow Street west of I-5 (Pole 161406 to Pole 162400).

Assuming personnel commuted to and from the construction area in their own vehicles, this would equate to eight trips per day. Construction-generated traffic would be temporary (i.e., approximately one to four weeks for construction of the underground distribution line) and, therefore, would not result in long-term degradation in performance of any of the roadways in the vicinity of the revised Project. Therefore, the revised Project would not result in substantial traffic congestion and would not add a substantial number of trips to the roadways in the vicinity of the revised Project. As noted above, it is anticipated that crews would work concurrently whenever possible to construct the substation, and perform upgrades to the transmission and distribution lines and the estimated trips per day have been accounted for in the 2015 PEA. The proposed underground distribution line crossing under I-5 would not result in significant impacts related to increased traffic on area roadways and would not result in new impacts above those previously disclosed in the 2015 PEA and no mitigation is required.

Similar to the proposed Project, construction and operation of the revised Project would not impact air traffic patterns as: the Dunsmuir Municipal-Mott Airport is approximately four miles southeast of the proposed substation; the installation of the underground distribution line would be at ground level; and the transition wood poles are expected to be in the same general location and similar in height to the existing poles. The revised Project would not alter the configuration (alignment) of local roadways, introduce curves, or add intersections or other design features that could increase hazards due to design features nor would it create an incompatible use with transportation or traffic.

Construction staging would occur on West Jessie Street east of I-5 and West Jessie Street/Willow Street west of I-5 (Pole 161406 to Pole 162400). In general, these streets contain low levels of traffic and the revised Project would not pose safety hazards. Similar to the proposed Project, the revised Project would implement the Traffic Management Plan (APM-TT-1 as identified in the 2015 PEA) to be prepared prior to construction to ensure that local property owners/residents affected by construction shall be notified prior to the start of construction and construction activities shall be coordinated with local law enforcement and fire protection agencies. Emergency service providers shall be notified of the timing, location, and duration of construction activities. The proposed

underground distribution line crossing under I-5 would not result in significant impacts relative to traffic/transportation. There are no new impacts above those previously disclosed in the 2015 PEA and no additional mitigation is required.

3.3.15 Utilities/Service Systems

The 2015 PEA determined that the proposed Project would not result in additional demands on utility and/or service systems and impacts of the proposed Project would be less than significant. The revised Project would be located in the same study area as evaluated in the 2015 PEA; similar to the proposed Project, the revised Project would not result in additional demands on utility and/or service systems. The revised Project would not result in adverse effects to public services. There are no new impacts above those previously disclosed in the 2015 and no mitigation is required.

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ATTACHMENT A: FIGURES

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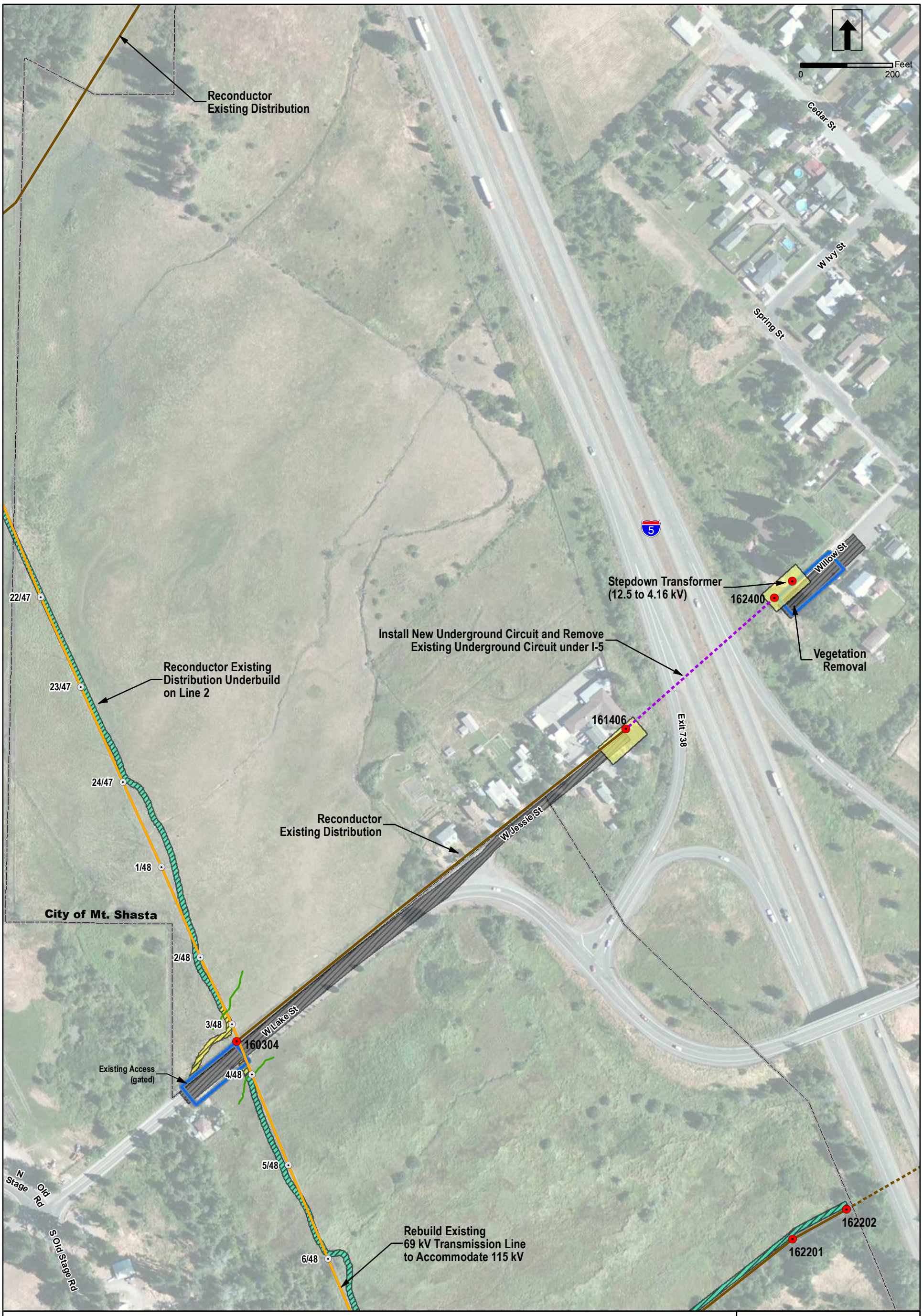

LEGEND

- DISTRIBUTION FEATURE
- TRANSMISSION STRUCTURE
- EXISTING TRANSMISSION LINE TO BE REBUILT
- EXISTING OVERHEAD DISTRIBUTION
- EXISTING UNDERGROUND
- PROPOSED UNDERGROUND DISTRIBUTION
- DIRECTION DRILLING EQUIPMENT DISTURBANCE AREA (100'X50')
- CITY LIMITS
- PULLING AND TENSIONING
- LIMITS OF DELINEATED WETLAND
- EXISTING ACCESS
- TEMPORARY ACCESS
- ENVIRONMENTALLY SENSITIVE ACCESS ROAD (TEMPORARY)

FIGURE 1
REVISED PROJECT

PACIFICORP
LASSEN SUBSTATION
PROJECT

Source: ArcGIS Imagery, 2010.

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Figure 2: Existing Transmission West of I-5

Figure 3: Existing Transmission East of I-5

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ATTACHMENT B: CalEEMod MODEL

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Lassen Substation Construction

Northeast Plateau Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	250.00	1000sqft	4.50	250,000.00	0
User Defined Industrial	8.00	User Defined Unit	8.00	348,480.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	73
Climate Zone	14			**Operational Year**	2017
Utility Company	PacifiCorp				
CO2 Intensity (lb/MWhr)	1656.39	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Grading - Based on project description

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	897720	0
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	0
tblConstructionPhase	NumDays	300.00	96.00
tblConstructionPhase	NumDays	300.00	48.00
tblConstructionPhase	NumDays	300.00	96.00

tblConstructionPhase	NumDays	300.00	48.00
tblConstructionPhase	NumDays	300.00	11.00
tblConstructionPhase	NumDays	300.00	23.00
tblConstructionPhase	NumDays	300.00	12.00
tblConstructionPhase	NumDays	300.00	21.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	30.00	48.00
tblConstructionPhase	NumDays	30.00	48.00
tblConstructionPhase	NumDays	30.00	48.00
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	30.00	63.00
tblConstructionPhase	NumDays	30.00	63.00
tblConstructionPhase	NumDays	30.00	48.00
tblConstructionPhase	NumDays	30.00	48.00
tblConstructionPhase	NumDays	20.00	48.00
tblConstructionPhase	NumDays	10.00	260.00
tblConstructionPhase	NumDays	10.00	9.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	10.00	11.00
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tblConstructionPhase	PhaseEndDate	10/5/2017	7/31/2017
tblConstructionPhase	PhaseEndDate	9/15/2017	8/15/2017
tblConstructionPhase	PhaseEndDate	9/15/2017	8/31/2017

tblConstructionPhase	PhaseEndDate	9/18/2017	8/31/2017
tblConstructionPhase	PhaseEndDate	10/30/2017	9/30/2017
tblConstructionPhase	PhaseEndDate	3/17/2017	1/10/2017
tblConstructionPhase	PhaseEndDate	7/31/2017	5/24/2017
tblConstructionPhase	PhaseEndDate	10/13/2017	9/30/2017
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tblConstructionPhase	PhaseEndDate	3/17/2017	1/10/2017
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tblConstructionPhase	PhaseEndDate	7/31/2017	3/17/2017
tblConstructionPhase	PhaseEndDate	9/29/2017	9/30/2017
tblConstructionPhase	PhaseEndDate	10/12/2017	10/13/2016
tblConstructionPhase	PhaseEndDate	10/16/2017	9/30/2017
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tblConstructionPhase	PhaseStartDate	9/1/2017	8/1/2017
tblConstructionPhase	PhaseStartDate	8/16/2017	8/1/2017
tblConstructionPhase	PhaseStartDate	9/1/2017	8/16/2017
tblConstructionPhase	PhaseStartDate	10/1/2017	9/1/2017
tblConstructionPhase	PhaseStartDate	1/11/2017	11/4/2016
tblConstructionPhase	PhaseStartDate	5/25/2017	3/18/2017
tblConstructionPhase	PhaseStartDate	10/1/2017	9/16/2017
tblConstructionPhase	PhaseStartDate	11/4/2016	10/14/2016
tblConstructionPhase	PhaseStartDate	1/11/2017	10/14/2016

tblConstructionPhase	PhaseStartDate	1/11/2017	11/4/2016
tblConstructionPhase	PhaseStartDate	1/11/2017	11/4/2016
tblConstructionPhase	PhaseStartDate	5/25/2017	1/11/2017
tblConstructionPhase	PhaseStartDate	10/1/2017	10/1/2016
tblConstructionPhase	PhaseStartDate	9/16/2017	9/1/2017
tblConstructionPhase	PhaseStartDate	10/1/2017	9/1/2017
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tblOffRoadEquipment	HorsePower	400.00	250.00
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tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00

tblTripsAndVMT	VendorTripNumber	98.00	99.00
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tblTripsAndVMT	WorkerTripNumber	15.00	16.00
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tblTripsAndVMT	WorkerTripNumber	15.00	8.00

tblTripsAndVMT	WorkerTripNumber	251.00	8.00
tblTripsAndVMT	WorkerTripNumber	18.00	4.00
tblTripsAndVMT	WorkerTripNumber	20.00	8.00
tblTripsAndVMT	WorkerTripNumber	18.00	2.00
tblTripsAndVMT	WorkerTripNumber	18.00	6.00
tblTripsAndVMT	WorkerTripNumber	18.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	4.00
tblTripsAndVMT	WorkerTripNumber	30.00	6.00
tblTripsAndVMT	WorkerTripNumber	25.00	10.00
tblTripsAndVMT	WorkerTripNumber	33.00	6.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	19.6773	216.8766	117.6674	0.1929	23.6393	9.8695	33.5088	12.6048	9.0799	21.6846	0.0000	19,910.5167	19,910.5167	5.8629	0.0000	20,033.6372
2017	18.2956	199.2136	114.5774	0.2355	23.6393	8.9968	32.6361	12.6048	8.2770	20.8818	0.0000	23,542.7667	23,542.7667	5.8567	0.0000	23,665.7564
Total	**37.9729**	**416.0902**	**232.2448**	**0.4284**	**47.2787**	**18.8663**	**66.1449**	**25.2095**	**17.3568**	**42.5663**	**0.0000**	**43,453.2834**	**43,453.2834**	**11.7195**	**0.0000**	**43,699.3935**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Year	lb/day										lb/day					
2016	19.6773	216.8766	117.6674	0.1929	9.5176	9.8695	19.3871	4.9952	9.0799	14.0751	0.0000	19,910.5167	19,910.5167	5.8629	0.0000	20,033.6371
2017	18.2956	199.2136	114.5774	0.2355	9.5176	8.9968	18.5144	4.9952	8.2770	13.2722	0.0000	23,542.7667	23,542.7667	5.8567	0.0000	23,665.7563
Total	**37.9729**	**416.0902**	**232.2448**	**0.4284**	**19.0352**	**18.8663**	**37.9014**	**9.9904**	**17.3568**	**27.3473**	**0.0000**	**43,453.2833**	**43,453.2833**	**11.7195**	**0.0000**	**43,699.3935**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**59.74**	**0.00**	**42.70**	**60.37**	**0.00**	**35.75**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	13.7601	2.5000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0565	0.0565	1.6000e-004		0.0598
Energy	0.0272	0.2471	0.2076	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.5351	296.5351	5.6800e-003	5.4400e-003	298.3397
Mobile	3.7180	12.0444	39.0971	0.0618	3.1383	0.1787	3.3170	0.8444	0.1642	1.0085		5,505.3903	5,505.3903	0.2414		5,510.4591
Total	**17.5053**	**12.2917**	**39.3315**	**0.0633**	**3.1383**	**0.1976**	**3.3359**	**0.8444**	**0.1830**	**1.0274**		**5,801.9818**	**5,801.9818**	**0.2472**	**5.4400e-003**	**5,808.8585**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	13.7601	2.5000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0565	0.0565	1.6000e-004		0.0598
Energy	0.0272	0.2471	0.2076	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.5351	296.5351	5.6800e-003	5.4400e-003	298.3397
Mobile	3.7180	12.0444	39.0971	0.0618	3.1383	0.1787	3.3170	0.8444	0.1642	1.0085		5,505.3903	5,505.3903	0.2414		5,510.4591
Total	**17.5053**	**12.2917**	**39.3315**	**0.0633**	**3.1383**	**0.1976**	**3.3359**	**0.8444**	**0.1830**	**1.0274**		**5,801.9818**	**5,801.9818**	**0.2472**	**5.4400e-003**	**5,808.8585**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Construction Management	Site Preparation	10/1/2016	9/30/2017	5	260	
2	Survey	Site Preparation	10/1/2016	10/13/2016	5	9	
3	Construction Management Transmission	Site Preparation	10/1/2016	9/30/2017	5	260	
4	Survey Transmission	Site Preparation	10/1/2016	10/13/2016	5	9	
5	Demolition	Demolition	10/14/2016	11/3/2016	5	15	
6	Access road Transmission	Grading	10/14/2016	1/10/2017	5	63	
7	Material Haul Transmission	Grading	10/14/2016	1/10/2017	5	63	
8	Lassen Substation Grading	Grading	11/4/2016	1/10/2017	5	48	
9	Material Haul	Grading	11/4/2016	1/10/2017	5	48	
10	Access Road Construction	Grading	11/4/2016	1/10/2017	5	48	
11	Auger Holes, Direct Embed Poles	Trenching	1/11/2017	3/17/2017	5	48	
12	Structure Assembly and Installation	Building Construction	1/11/2017	5/24/2017	5	96	
13	Concrete Placement and Formwork	Paving	1/11/2017	3/17/2017	5	48	
14	Distribution Line Underground	Grading	3/18/2017	5/24/2017	5	48	
15	Distribution Line Underground I5	Grading	3/18/2017	5/24/2017	5	48	

16	Steel Installation	Building Construction	3/18/2017	5/24/2017	5	48	
17	Structure Erection	Building Construction	3/18/2017	7/31/2017	5	96	
18	Equipment Installation	Building Construction	5/25/2017	7/31/2017	5	48	
19	Equipment Removal	Demolition	8/1/2017	8/31/2017	5	23	
20	Bus Work	Building Construction	8/1/2017	8/15/2017	5	11	
21	Wire Installation	Building Construction	8/1/2017	8/31/2017	5	23	
22	Testing and Energization	Building Construction	8/16/2017	8/31/2017	5	12	
23	Foundation Removal	Demolition	9/1/2017	9/15/2017	5	11	
24	Right-of-way Restoration and Cleanup	Site Preparation	9/1/2017	9/30/2017	5	21	
25	Right-of-way Restoration and Cleanup Transmission	Site Preparation	9/1/2017	9/30/2017	5	21	
26	Fencing	Building Construction	9/1/2017	9/30/2017	5	21	
27	Marshalling Yard	Site Preparation	9/15/2017	9/30/2017	5	11	
28	Grading	Grading	9/16/2017	9/30/2017	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Construction Management	Cranes	1	0.00	226	0.29
Construction Management	Forklifts	3	0.00	89	0.20
Construction Management	Generator Sets	1	0.00	84	0.74
Construction Management	Rubber Tired Dozers	3	0.00	255	0.40
Construction Management	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Construction Management	Welders	1	0.00	46	0.45
Survey	Pavers	2	0.00	125	0.42
Survey	Paving Equipment	2	0.00	130	0.36
Survey	Rollers	2	0.00	80	0.38

Survey	Rubber Tired Dozers	3	0.00	255	0.40
Survey	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Construction Management Transmission	Rubber Tired Dozers	3	0.00	255	0.40
Construction Management Transmission	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Survey Transmission	Rubber Tired Dozers	3	0.00	255	0.40
Survey Transmission	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Demolition	Concrete/Industrial Saws	1	0.00	81	0.73
Demolition	Crawler Tractors	1	10.00	208	0.43
Demolition	Excavators	1	10.00	162	0.38
Demolition	Off-Highway Trucks	2	10.00	400	0.38
Demolition	Rubber Tired Dozers	2	0.00	255	0.40
Access road Transmission	Excavators	2	0.00	162	0.38
Access road Transmission	Graders	1	10.00	174	0.41
Access road Transmission	Off-Highway Trucks	1	10.00	250	0.38
Access road Transmission	Rubber Tired Dozers	1	10.00	255	0.40
Access road Transmission	Scrapers	2	0.00	361	0.48
Access road Transmission	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Material Haul Transmission	Cranes	2	10.00	226	0.29
Material Haul Transmission	Excavators	2	0.00	162	0.38
Material Haul Transmission	Graders	1	0.00	174	0.41
Material Haul Transmission	Off-Highway Trucks	1	10.00	400	0.38
Material Haul Transmission	Rough Terrain Forklifts	1	10.00	100	0.40
Material Haul Transmission	Rubber Tired Dozers	1	0.00	255	0.40
Material Haul Transmission	Scrapers	2	0.00	361	0.48
Material Haul Transmission	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Lassen Substation Grading	Excavators	2	0.00	162	0.38
Lassen Substation Grading	Graders	1	0.00	174	0.41
Lassen Substation Grading	Off-Highway Trucks	2	10.00	400	0.38
Lassen Substation Grading	Off-Highway Trucks	1	10.00	250	0.38
Lassen Substation Grading	Rubber Tired Dozers	1	10.00	255	0.40

Lassen Substation Grading	Scrapers	2	0.00	361	0.48
Lassen Substation Grading	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Material Haul	Air Compressors	1	0.00	78	0.48
Material Haul	Cranes	2	10.00	226	0.29
Material Haul	Excavators	2	0.00	162	0.38
Material Haul	Graders	1	0.00	174	0.41
Material Haul	Off-Highway Trucks	1	10.00	400	0.38
Material Haul	Rough Terrain Forklifts	1	10.00	100	0.40
Material Haul	Rubber Tired Dozers	1	0.00	255	0.40
Material Haul	Scrapers	2	0.00	361	0.48
Material Haul	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Access Road Construction	Excavators	2	0.00	162	0.38
Access Road Construction	Graders	1	10.00	174	0.41
Access Road Construction	Off-Highway Trucks	1	10.00	250	0.38
Access Road Construction	Rubber Tired Dozers	1	10.00	255	0.40
Access Road Construction	Scrapers	2	0.00	361	0.48
Access Road Construction	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Auger Holes, Direct Embed Poles	Bore/Drill Rigs	1	10.00	205	0.50
Auger Holes, Direct Embed Poles	Off-Highway Trucks	1	10.00	250	0.38
Auger Holes, Direct Embed Poles	Off-Highway Trucks	1	10.00	250	0.38
Auger Holes, Direct Embed Poles	Pumps	1	10.00	84	0.74
Structure Assembly and Installation	Cranes	1	0.00	226	0.29
Structure Assembly and Installation	Forklifts	3	0.00	89	0.20
Structure Assembly and Installation	Generator Sets	1	0.00	84	0.74
Structure Assembly and Installation	Off-Highway Trucks	3	10.00	400	0.38
Structure Assembly and Installation	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Structure Assembly and Installation	Welders	1	0.00	46	0.45
Concrete Placement and Formwork	Excavators	2	0.00	162	0.38
Concrete Placement and Formwork	Graders	1	0.00	174	0.41
Concrete Placement and Formwork	Off-Highway Trucks	1	10.00	400	0.38

Concrete Placement and Formwork	Off-Highway Trucks	1	10.00	400	0.38
Concrete Placement and Formwork	Pavers	2	0.00	125	0.42
Concrete Placement and Formwork	Paving Equipment	2	0.00	130	0.36
Concrete Placement and Formwork	Rollers	2	0.00	80	0.38
Concrete Placement and Formwork	Rubber Tired Dozers	1	0.00	255	0.40
Concrete Placement and Formwork	Scrapers	2	0.00	361	0.48
Concrete Placement and Formwork	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Distribution Line Underground	Excavators	1	10.00	162	0.38
Distribution Line Underground	Graders	1	0.00	174	0.41
Distribution Line Underground	Rubber Tired Dozers	1	0.00	255	0.40
Distribution Line Underground	Scrapers	2	0.00	361	0.48
Distribution Line Underground	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Distribution Line Underground I5	Bore/Drill Rigs	1	10.00	205	0.50
Distribution Line Underground I5	Excavators	2	0.00	162	0.38
Distribution Line Underground I5	Graders	1	0.00	174	0.41
Distribution Line Underground I5	Off-Highway Trucks	1	10.00	400	0.38
Distribution Line Underground I5	Rubber Tired Dozers	1	0.00	255	0.40
Distribution Line Underground I5	Scrapers	2	0.00	361	0.48
Distribution Line Underground I5	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Steel Installation	Cranes	1	10.00	226	0.29
Steel Installation	Forklifts	1	10.00	89	0.20
Steel Installation	Generator Sets	1	0.00	84	0.74
Steel Installation	Off-Highway Trucks	1	10.00	400	0.38
Steel Installation	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Steel Installation	Welders	1	0.00	46	0.45
Structure Erection	Cranes	1	0.00	226	0.29
Structure Erection	Forklifts	3	0.00	89	0.20
Structure Erection	Generator Sets	1	0.00	84	0.74
Structure Erection	Off-Highway Trucks	3	10.00	400	0.38
Structure Erection	Tractors/Loaders/Backhoes	3	0.00	97	0.37

Structure Erection	Welders	1	0.00	46	0.45
Equipment Installation	Aerial Lifts	1	10.00	62	0.31
Equipment Installation	Cranes	1	10.00	226	0.29
Equipment Installation	Forklifts	1	10.00	89	0.20
Equipment Installation	Generator Sets	1	0.00	84	0.74
Equipment Installation	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Equipment Installation	Welders	1	0.00	46	0.45
Equipment Removal	Concrete/Industrial Saws	1	0.00	81	0.73
Equipment Removal	Cranes	1	10.00	226	0.29
Equipment Removal	Excavators	3	0.00	162	0.38
Equipment Removal	Off-Highway Trucks	1	10.00	400	0.38
Equipment Removal	Rough Terrain Forklifts	1	10.00	100	0.40
Equipment Removal	Rubber Tired Dozers	2	0.00	255	0.40
Bus Work	Aerial Lifts	1	10.00	62	0.31
Bus Work	Cranes	1	10.00	226	0.29
Bus Work	Forklifts	3	0.00	89	0.20
Bus Work	Generator Sets	1	0.00	84	0.74
Bus Work	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Bus Work	Welders	1	10.00	46	0.45
Wire Installation	Cranes	1	10.00	226	0.29
Wire Installation	Crawler Tractors	1	10.00	208	0.43
Wire Installation	Forklifts	3	0.00	89	0.20
Wire Installation	Generator Sets	1	0.00	84	0.74
Wire Installation	Off-Highway Trucks	3	10.00	400	0.38
Wire Installation	Other Construction Equipment	1	10.00	171	0.42
Wire Installation	Other Construction Equipment	2	10.00	171	0.42
Wire Installation	Other Construction Equipment	1	10.00	171	0.42
Wire Installation	Other Construction Equipment	1	10.00	171	0.42
Wire Installation	Other Construction Equipment	1	10.00	171	0.42
Wire Installation	Tractors/Loaders/Backhoes	3	0.00	97	0.37

Wire Installation	Welders	1	0.00	46	0.45
Testing and Energization	Cranes	1	0.00	226	0.29
Testing and Energization	Forklifts	3	0.00	89	0.20
Testing and Energization	Generator Sets	1	0.00	84	0.74
Testing and Energization	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Testing and Energization	Welders	1	0.00	46	0.45
Foundation Removal	Concrete/Industrial Saws	1	0.00	81	0.73
Foundation Removal	Excavators	3	0.00	162	0.38
Foundation Removal	Off-Highway Trucks	2	10.00	400	0.38
Foundation Removal	Rubber Tired Dozers	2	0.00	255	0.40
Foundation Removal	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Right-of-way Restoration and Cleanup	Off-Highway Trucks	1	10.00	400	0.38
Right-of-way Restoration and Cleanup	Rubber Tired Dozers	1	10.00	255	0.40
Right-of-way Restoration and Cleanup	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Right-of-way Restoration and Cleanup Transmission	Off-Highway Trucks	1	10.00	400	0.38
Right-of-way Restoration and Cleanup Transmission	Rubber Tired Dozers	1	10.00	255	0.40
Right-of-way Restoration and Cleanup Transmission	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Fencing	Cranes	1	0.00	226	0.29
Fencing	Forklifts	3	0.00	89	0.20
Fencing	Generator Sets	1	0.00	84	0.74
Fencing	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Fencing	Welders	1	0.00	46	0.45
Marshalling Yard	Rubber Tired Dozers	3	0.00	255	0.40
Marshalling Yard	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Grading	Excavators	2	0.00	162	0.38
Grading	Graders	1	0.00	174	0.41
Grading	Off-Highway Trucks	1	10.00	400	0.38
Grading	Rubber Tired Dozers	1	10.00	255	0.40
Grading	Scrapers	2	0.00	361	0.48
Grading	Tractors/Loaders/Backhoes	1	10.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Construction Management	12	2.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Survey	13	6.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Construction Management	7	2.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Survey Transmission	7	6.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	7	8.00	1.00	9.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Access road Transmission	9	4.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Material Haul Transmission	12	6.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Lassen Substation Grading	10	10.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Material Haul	13	6.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Access Road Construction	9	6.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Auger Holes, Direct Embed Poles	4	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Structure Assembly and Installation	12	10.00	99.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Placement and Formwork	16	10.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Line Underground	6	16.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Line Underground I5	10	16.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Steel Installation	8	10.00	99.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Structure Erection	12	10.00	99.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Equipment Installation	8	8.00	99.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Equipment Removal	9	8.00	0.00	99.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Bus Work	10	8.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Wire Installation	19	16.00	101.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Testing and Energization	9	4.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Foundation Removal	10	8.00	0.00	99.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Right-of-way Restoration and	6	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Right-of-way Restoration and	6	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Fencing	9	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Marshalling Yard	7	4.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

Grading		8	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Construction Management - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0183	0.0233	0.2548	3.4000e-004	0.0256	3.2000e-004	0.0259	6.7700e-003	2.9000e-004	7.0700e-003		27.7425	27.7425	2.1100e-003		27.7868
Total	**0.0363**	**0.1049**	**0.4311**	**5.5000e-004**	**0.0314**	**2.0200e-003**	**0.0334**	**8.4000e-003**	**1.8500e-003**	**0.0103**		**48.4091**	**48.4091**	**2.3100e-003**		**48.4576**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0183	0.0233	0.2548	3.4000e-004	0.0256	3.2000e-004	0.0259	6.7700e-003	2.9000e-004	7.0700e-003		27.7425	27.7425	2.1100e-003		27.7868
Total	**0.0363**	**0.1049**	**0.4311**	**5.5000e-004**	**0.0314**	**2.0200e-003**	**0.0334**	**8.4000e-003**	**1.8500e-003**	**0.0103**		**48.4091**	**48.4091**	**2.3100e-003**		**48.4576**

3.2 Construction Management - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0156	0.0204	0.2205	3.4000e-004	0.0256	3.0000e-004	0.0258	6.7700e-003	2.7000e-004	7.0500e-003		26.6406	26.6406	1.8800e-003		26.6801
Total	**0.0306**	**0.0919**	**0.3722**	**5.5000e-004**	**0.0314**	**1.6700e-003**	**0.0330**	**8.4000e-003**	**1.5300e-003**	**9.9400e-003**		**46.9499**	**46.9499**	**2.0600e-003**		**46.9931**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0156	0.0204	0.2205	3.4000e-004	0.0256	3.0000e-004	0.0258	6.7700e-003	2.7000e-004	7.0500e-003		26.6406	26.6406	1.8800e-003		26.6801
Total	**0.0306**	**0.0919**	**0.3722**	**5.5000e-004**	**0.0314**	**1.6700e-003**	**0.0330**	**8.4000e-003**	**1.5300e-003**	**9.9400e-003**		**46.9499**	**46.9499**	**2.0600e-003**		**46.9931**

3.3 Survey - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0548	0.0699	0.7643	1.0200e-003	0.0766	9.7000e-004	0.0776	0.0203	8.8000e-004	0.0212		83.2276	83.2276	6.3300e-003		83.3605
Total	**0.0728**	**0.1515**	**0.9407**	**1.2300e-003**	**0.0825**	**2.6700e-003**	**0.0851**	**0.0220**	**2.4400e-003**	**0.0244**		**103.8942**	**103.8942**	**6.5300e-003**		**104.0312**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0548	0.0699	0.7643	1.0200e-003	0.0766	9.7000e-004	0.0776	0.0203	8.8000e-004	0.0212		83.2276	83.2276	6.3300e-003		83.3605
Total	**0.0728**	**0.1515**	**0.9407**	**1.2300e-003**	**0.0825**	**2.6700e-003**	**0.0851**	**0.0220**	**2.4400e-003**	**0.0244**		**103.8942**	**103.8942**	**6.5300e-003**		**104.0312**

3.4 Construction Management Transmission - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0183	0.0233	0.2548	3.4000e-004	0.0256	3.2000e-004	0.0259	6.7700e-003	2.9000e-004	7.0700e-003		27.7425	27.7425	2.1100e-003		27.7868
Total	**0.0363**	**0.1049**	**0.4311**	**5.5000e-004**	**0.0314**	**2.0200e-003**	**0.0334**	**8.4000e-003**	**1.8500e-003**	**0.0103**		**48.4091**	**48.4091**	**2.3100e-003**		**48.4576**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0183	0.0233	0.2548	3.4000e-004	0.0256	3.2000e-004	0.0259	6.7700e-003	2.9000e-004	7.0700e-003		27.7425	27.7425	2.1100e-003		27.7868
Total	**0.0363**	**0.1049**	**0.4311**	**5.5000e-004**	**0.0314**	**2.0200e-003**	**0.0334**	**8.4000e-003**	**1.8500e-003**	**0.0103**		**48.4091**	**48.4091**	**2.3100e-003**		**48.4576**

3.4 Construction Management Transmission - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0156	0.0204	0.2205	3.4000e-004	0.0256	3.0000e-004	0.0258	6.7700e-003	2.7000e-004	7.0500e-003		26.6406	26.6406	1.8800e-003		26.6801
Total	**0.0306**	**0.0919**	**0.3722**	**5.5000e-004**	**0.0314**	**1.6700e-003**	**0.0330**	**8.4000e-003**	**1.5300e-003**	**9.9400e-003**		**46.9499**	**46.9499**	**2.0600e-003**		**46.9931**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0156	0.0204	0.2205	3.4000e-004	0.0256	3.0000e-004	0.0258	6.7700e-003	2.7000e-004	7.0500e-003		26.6406	26.6406	1.8800e-003		26.6801
Total	**0.0306**	**0.0919**	**0.3722**	**5.5000e-004**	**0.0314**	**1.6700e-003**	**0.0330**	**8.4000e-003**	**1.5300e-003**	**9.9400e-003**		**46.9499**	**46.9499**	**2.0600e-003**		**46.9931**

3.5 Survey Transmission - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0548	0.0699	0.7643	1.0200e-003	0.0766	9.7000e-004	0.0776	0.0203	8.8000e-004	0.0212		83.2276	83.2276	6.3300e-003		83.3605
Total	**0.0728**	**0.1515**	**0.9407**	**1.2300e-003**	**0.0825**	**2.6700e-003**	**0.0851**	**0.0220**	**2.4400e-003**	**0.0244**		**103.8942**	**103.8942**	**6.5300e-003**		**104.0312**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0548	0.0699	0.7643	1.0200e-003	0.0766	9.7000e-004	0.0776	0.0203	8.8000e-004	0.0212		83.2276	83.2276	6.3300e-003		83.3605
Total	**0.0728**	**0.1515**	**0.9407**	**1.2300e-003**	**0.0825**	**2.6700e-003**	**0.0851**	**0.0220**	**2.4400e-003**	**0.0244**		**103.8942**	**103.8942**	**6.5300e-003**		**104.0312**

3.6 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1368	0.0000	0.1368	0.0207	0.0000	0.0207			0.0000			0.0000
Off-Road	3.7249	44.5928	20.4756	0.0492		1.7558	1.7558		1.6154	1.6154		5,104.9189	5,104.9189	1.5398		5,137.2553
Total	**3.7249**	**44.5928**	**20.4756**	**0.0492**	**0.1368**	**1.7558**	**1.8927**	**0.0207**	**1.6154**	**1.6361**		**5,104.9189**	**5,104.9189**	**1.5398**		**5,137.2553**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0175	0.1368	0.1754	4.5000e-004	0.0105	2.6600e-003	0.0132	2.8800e-003	2.4500e-003	5.3300e-003		44.9366	44.9366	3.4000e-004		44.9438
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0730	0.0932	1.0191	1.3600e-003	0.1022	1.2900e-003	0.1035	0.0271	1.1800e-003	0.0283		110.9702	110.9702	8.4400e-003		111.1474
Total	**0.1086**	**0.3116**	**1.3708**	**2.0200e-003**	**0.1185**	**5.6500e-003**	**0.1242**	**0.0316**	**5.1900e-003**	**0.0368**		**176.5734**	**176.5734**	**8.9800e-003**		**176.7619**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0534	0.0000	0.0534	8.0800e-003	0.0000	8.0800e-003			0.0000			0.0000
Off-Road	3.7249	44.5928	20.4756	0.0492		1.7558	1.7558		1.6154	1.6154	0.0000	5,104.9189	5,104.9189	1.5398		5,137.2553
Total	**3.7249**	**44.5928**	**20.4756**	**0.0492**	**0.0534**	**1.7558**	**1.8092**	**8.0800e-003**	**1.6154**	**1.6235**	**0.0000**	**5,104.9189**	**5,104.9189**	**1.5398**		**5,137.2553**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0175	0.1368	0.1754	4.5000e-004	0.0105	2.6600e-003	0.0132	2.8800e-003	2.4500e-003	5.3300e-003		44.9366	44.9366	3.4000e-004		44.9438
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0730	0.0932	1.0191	1.3600e-003	0.1022	1.2900e-003	0.1035	0.0271	1.1800e-003	0.0283		110.9702	110.9702	8.4400e-003		111.1474
Total	**0.1086**	**0.3116**	**1.3708**	**2.0200e-003**	**0.1185**	**5.6500e-003**	**0.1242**	**0.0316**	**5.1900e-003**	**0.0368**		**176.5734**	**176.5734**	**8.9800e-003**		**176.7619**

3.7 Access road Transmission - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6623	0.0000	7.6623	4.1523	0.0000	4.1523			0.0000			0.0000
Off-Road	3.7548	40.4217	23.0852	0.0290		1.9707	1.9707		1.8131	1.8131		3,018.4242	3,018.4242	0.9105		3,037.5440
Total	**3.7548**	**40.4217**	**23.0852**	**0.0290**	**7.6623**	**1.9707**	**9.6330**	**4.1523**	**1.8131**	**5.9654**		**3,018.4242**	**3,018.4242**	**0.9105**		**3,037.5440**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0365	0.0466	0.5095	6.8000e-004	0.0511	6.5000e-004	0.0517	0.0136	5.9000e-004	0.0141		55.4851	55.4851	4.2200e-003		55.5737
Total	**0.0546**	**0.1282**	**0.6859**	**8.9000e-004**	**0.0569**	**2.3500e-003**	**0.0593**	**0.0152**	**2.1500e-003**	**0.0173**		**76.1517**	**76.1517**	**4.4200e-003**		**76.2444**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9883	0.0000	2.9883	1.6194	0.0000	1.6194			0.0000			0.0000

Off-Road	3.7548	40.4217	23.0852	0.0290		1.9707	1.9707		1.8131	1.8131	0.0000	3,018.4242	3,018.4242	0.9105		3,037.5440
Total	**3.7548**	**40.4217**	**23.0852**	**0.0290**	**2.9883**	**1.9707**	**4.9590**	**1.6194**	**1.8131**	**3.4325**	**0.0000**	**3,018.4242**	**3,018.4242**	**0.9105**		**3,037.5440**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0365	0.0466	0.5095	6.8000e-004	0.0511	6.5000e-004	0.0517	0.0136	5.9000e-004	0.0141		55.4851	55.4851	4.2200e-003		55.5737
Total	**0.0546**	**0.1282**	**0.6859**	**8.9000e-004**	**0.0569**	**2.3500e-003**	**0.0593**	**0.0152**	**2.1500e-003**	**0.0173**		**76.1517**	**76.1517**	**4.4200e-003**		**76.2444**

3.7 Access road Transmission - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6623	0.0000	7.6623	4.1523	0.0000	4.1523			0.0000			0.0000
Off-Road	3.5524	37.6905	22.1444	0.0290		1.8383	1.8383		1.6912	1.6912		2,970.8039	2,970.8039	0.9103		2,989.9192
Total	**3.5524**	**37.6905**	**22.1444**	**0.0290**	**7.6623**	**1.8383**	**9.5006**	**4.1523**	**1.6912**	**5.8436**		**2,970.8039**	**2,970.8039**	**0.9103**		**2,989.9192**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0312	0.0408	0.4409	6.8000e-004	0.0511	6.0000e-004	0.0517	0.0136	5.5000e-004	0.0141		53.2812	53.2812	3.7600e-003		53.3602
Total	**0.0461**	**0.1123**	**0.5927**	**8.9000e-004**	**0.0569**	**1.9700e-003**	**0.0589**	**0.0152**	**1.8100e-003**	**0.0170**		**73.5905**	**73.5905**	**3.9400e-003**		**73.6732**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9883	0.0000	2.9883	1.6194	0.0000	1.6194			0.0000			0.0000
Off-Road	3.5524	37.6905	22.1444	0.0290		1.8383	1.8383		1.6912	1.6912	0.0000	2,970.8039	2,970.8039	0.9103		2,989.9192
Total	**3.5524**	**37.6905**	**22.1444**	**0.0290**	**2.9883**	**1.8383**	**4.8266**	**1.6194**	**1.6912**	**3.3106**	**0.0000**	**2,970.8039**	**2,970.8039**	**0.9103**		**2,989.9192**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0312	0.0408	0.4409	6.8000e-004	0.0511	6.0000e-004	0.0517	0.0136	5.5000e-004	0.0141		53.2812	53.2812	3.7600e-003		53.3602
Total	**0.0461**	**0.1123**	**0.5927**	**8.9000e-004**	**0.0569**	**1.9700e-003**	**0.0589**	**0.0152**	**1.8100e-003**	**0.0170**		**73.5905**	**73.5905**	**3.9400e-003**		**73.6732**

3.8 Material Haul Transmission - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1347	0.0000	0.1347	0.0145	0.0000	0.0145			0.0000			0.0000
Off-Road	3.2434	38.2801	16.7264	0.0349		1.6675	1.6675		1.5341	1.5341		3,621.2981	3,621.2981	1.0923		3,644.2366
Total	**3.2434**	**38.2801**	**16.7264**	**0.0349**	**0.1347**	**1.6675**	**1.8022**	**0.0145**	**1.5341**	**1.5487**		**3,621.2981**	**3,621.2981**	**1.0923**		**3,644.2366**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0548	0.0699	0.7643	1.0200e-003	0.0766	9.7000e-004	0.0776	0.0203	8.8000e-004	0.0212		83.2276	83.2276	6.3300e-003		83.3605
Total	**0.0548**	**0.0699**	**0.7643**	**1.0200e-003**	**0.0766**	**9.7000e-004**	**0.0776**	**0.0203**	**8.8000e-004**	**0.0212**		**83.2276**	**83.2276**	**6.3300e-003**		**83.3605**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0525	0.0000	0.0525	5.6700e-003	0.0000	5.6700e-003			0.0000			0.0000
Off-Road	3.2434	38.2801	16.7264	0.0349		1.6675	1.6675		1.5341	1.5341	0.0000	3,621.2981	3,621.2981	1.0923		3,644.2366
Total	**3.2434**	**38.2801**	**16.7264**	**0.0349**	**0.0525**	**1.6675**	**1.7201**	**5.6700e-003**	**1.5341**	**1.5398**	**0.0000**	**3,621.2981**	**3,621.2981**	**1.0923**		**3,644.2366**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0548	0.0699	0.7643	1.0200e-003	0.0766	9.7000e-004	0.0776	0.0203	8.8000e-004	0.0212		83.2276	83.2276	6.3300e-003		83.3605
Total	**0.0548**	**0.0699**	**0.7643**	**1.0200e-003**	**0.0766**	**9.7000e-004**	**0.0776**	**0.0203**	**8.8000e-004**	**0.0212**		**83.2276**	**83.2276**	**6.3300e-003**		**83.3605**

3.8 Material Haul Transmission - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1347	0.0000	0.1347	0.0145	0.0000	0.0145			0.0000			0.0000
Off-Road	2.9489	34.5392	15.6733	0.0348		1.4739	1.4739		1.3560	1.3560		3,563.6141	3,563.6141	1.0919		3,586.5437
Total	**2.9489**	**34.5392**	**15.6733**	**0.0348**	**0.1347**	**1.4739**	**1.6086**	**0.0145**	**1.3560**	**1.3705**		**3,563.6141**	**3,563.6141**	**1.0919**		**3,586.5437**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0467	0.0613	0.6614	1.0200e-003	0.0766	8.9000e-004	0.0775	0.0203	8.2000e-004	0.0211		79.9218	79.9218	5.6400e-003		80.0403
Total	**0.0467**	**0.0613**	**0.6614**	**1.0200e-003**	**0.0766**	**8.9000e-004**	**0.0775**	**0.0203**	**8.2000e-004**	**0.0211**		**79.9218**	**79.9218**	**5.6400e-003**		**80.0403**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0525	0.0000	0.0525	5.6700e-003	0.0000	5.6700e-003			0.0000			0.0000

Off-Road	2.9489	34.5392	15.6733	0.0348		1.4739	1.4739		1.3560	1.3560	0.0000	3,563.6141	3,563.6141	1.0919		3,586.5437
Total	**2.9489**	**34.5392**	**15.6733**	**0.0348**	**0.0525**	**1.4739**	**1.5264**	**5.6700e-003**	**1.3560**	**1.3617**	**0.0000**	**3,563.6141**	**3,563.6141**	**1.0919**		**3,586.5437**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0467	0.0613	0.6614	1.0200e-003	0.0766	8.9000e-004	0.0775	0.0203	8.2000e-004	0.0211		79.9218	79.9218	5.6400e-003		80.0403
Total	**0.0467**	**0.0613**	**0.6614**	**1.0200e-003**	**0.0766**	**8.9000e-004**	**0.0775**	**0.0203**	**8.2000e-004**	**0.0211**		**79.9218**	**79.9218**	**5.6400e-003**		**80.0403**

3.9 Lassen Substation Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6270	0.0000	7.6270	4.1485	0.0000	4.1485			0.0000			0.0000
Off-Road	5.2620	58.6455	32.5766	0.0580		2.5786	2.5786		2.3723	2.3723		6,028.3735	6,028.3735	1.8184		6,066.5593
Total	**5.2620**	**58.6455**	**32.5766**	**0.0580**	**7.6270**	**2.5786**	**10.2057**	**4.1485**	**2.3723**	**6.5209**		**6,028.3735**	**6,028.3735**	**1.8184**		**6,066.5593**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0913	0.1165	1.2738	1.7000e-003	0.1277	1.6200e-003	0.1294	0.0339	1.4700e-003	0.0353		138.7127	138.7127	0.0106		138.9342
Total	**0.1093**	**0.1981**	**1.4502**	**1.9100e-003**	**0.1336**	**3.3200e-003**	**0.1369**	**0.0355**	**3.0300e-003**	**0.0385**		**159.3793**	**159.3793**	**0.0108**		**159.6049**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9745	0.0000	2.9745	1.6179	0.0000	1.6179			0.0000			0.0000
Off-Road	5.2620	58.6455	32.5766	0.0580		2.5786	2.5786		2.3723	2.3723	0.0000	6,028.3735	6,028.3735	1.8184		6,066.5593
Total	**5.2620**	**58.6455**	**32.5766**	**0.0580**	**2.9745**	**2.5786**	**5.5532**	**1.6179**	**2.3723**	**3.9903**	**0.0000**	**6,028.3735**	**6,028.3735**	**1.8184**		**6,066.5593**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0913	0.1165	1.2738	1.7000e-003	0.1277	1.6200e-003	0.1294	0.0339	1.4700e-003	0.0353		138.7127	138.7127	0.0106		138.9342
Total	**0.1093**	**0.1981**	**1.4502**	**1.9100e-003**	**0.1336**	**3.3200e-003**	**0.1369**	**0.0355**	**3.0300e-003**	**0.0385**		**159.3793**	**159.3793**	**0.0108**		**159.6049**

3.9 Lassen Substation Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6270	0.0000	7.6270	4.1485	0.0000	4.1485			0.0000			0.0000
Off-Road	4.9377	54.0295	30.8025	0.0580		2.3602	2.3602		2.1713	2.1713		5,932.2895	5,932.2895	1.8176		5,970.4600
Total	**4.9377**	**54.0295**	**30.8025**	**0.0580**	**7.6270**	**2.3602**	**9.9872**	**4.1485**	**2.1713**	**6.3199**		**5,932.2895**	**5,932.2895**	**1.8176**		**5,970.4600**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0779	0.1021	1.1023	1.7000e-003	0.1277	1.4900e-003	0.1292	0.0339	1.3600e-003	0.0352		133.2030	133.2030	9.4100e-003		133.4006
Total	**0.0929**	**0.1735**	**1.2540**	**1.9100e-003**	**0.1336**	**2.8600e-003**	**0.1364**	**0.0355**	**2.6200e-003**	**0.0381**		**153.5123**	**153.5123**	**9.5900e-003**		**153.7136**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9745	0.0000	2.9745	1.6179	0.0000	1.6179			0.0000			0.0000
Off-Road	4.9377	54.0295	30.8025	0.0580		2.3602	2.3602		2.1713	2.1713	0.0000	5,932.2895	5,932.2895	1.8176		5,970.4600
Total	**4.9377**	**54.0295**	**30.8025**	**0.0580**	**2.9745**	**2.3602**	**5.3347**	**1.6179**	**2.1713**	**3.7893**	**0.0000**	**5,932.2895**	**5,932.2895**	**1.8176**		**5,970.4600**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0779	0.1021	1.1023	1.7000e-003	0.1277	1.4900e-003	0.1292	0.0339	1.3600e-003	0.0352		133.2030	133.2030	9.4100e-003		133.4006
Total	**0.0929**	**0.1735**	**1.2540**	**1.9100e-003**	**0.1336**	**2.8600e-003**	**0.1364**	**0.0355**	**2.6200e-003**	**0.0381**		**153.5123**	**153.5123**	**9.5900e-003**		**153.7136**

3.10 Material Haul - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0994	0.0000	0.0994	0.0107	0.0000	0.0107			0.0000			0.0000
Off-Road	3.2434	38.2801	16.7264	0.0349		1.6675	1.6675		1.5341	1.5341		3,621.2981	3,621.2981	1.0923		3,644.2366
Total	**3.2434**	**38.2801**	**16.7264**	**0.0349**	**0.0994**	**1.6675**	**1.7670**	**0.0107**	**1.5341**	**1.5449**		**3,621.2981**	**3,621.2981**	**1.0923**		**3,644.2366**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0548	0.0699	0.7643	1.0200e-003	0.0766	9.7000e-004	0.0776	0.0203	8.8000e-004	0.0212		83.2276	83.2276	6.3300e-003		83.3605
Total	**0.0548**	**0.0699**	**0.7643**	**1.0200e-003**	**0.0766**	**9.7000e-004**	**0.0776**	**0.0203**	**8.8000e-004**	**0.0212**		**83.2276**	**83.2276**	**6.3300e-003**		**83.3605**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0388	0.0000	0.0388	4.1900e-003	0.0000	4.1900e-003			0.0000			0.0000

Off-Road	3.2434	38.2801	16.7264	0.0349		1.6675	1.6675		1.5341	1.5341	0.0000	3,621.2981	3,621.2981	1.0923		3,644.2366
Total	**3.2434**	**38.2801**	**16.7264**	**0.0349**	**0.0388**	**1.6675**	**1.7063**	**4.1900e-003**	**1.5341**	**1.5383**	**0.0000**	**3,621.2981**	**3,621.2981**	**1.0923**		**3,644.2366**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0548	0.0699	0.7643	1.0200e-003	0.0766	9.7000e-004	0.0776	0.0203	8.8000e-004	0.0212		83.2276	83.2276	6.3300e-003		83.3605
Total	**0.0548**	**0.0699**	**0.7643**	**1.0200e-003**	**0.0766**	**9.7000e-004**	**0.0776**	**0.0203**	**8.8000e-004**	**0.0212**		**83.2276**	**83.2276**	**6.3300e-003**		**83.3605**

3.10 Material Haul - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0994	0.0000	0.0994	0.0107	0.0000	0.0107			0.0000			0.0000
Off-Road	2.9489	34.5392	15.6733	0.0348		1.4739	1.4739		1.3560	1.3560		3,563.6141	3,563.6141	1.0919		3,586.5437
Total	**2.9489**	**34.5392**	**15.6733**	**0.0348**	**0.0994**	**1.4739**	**1.5733**	**0.0107**	**1.3560**	**1.3667**		**3,563.6141**	**3,563.6141**	**1.0919**		**3,586.5437**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0467	0.0613	0.6614	1.0200e-003	0.0766	8.9000e-004	0.0775	0.0203	8.2000e-004	0.0211		79.9218	79.9218	5.6400e-003		80.0403
Total	**0.0467**	**0.0613**	**0.6614**	**1.0200e-003**	**0.0766**	**8.9000e-004**	**0.0775**	**0.0203**	**8.2000e-004**	**0.0211**		**79.9218**	**79.9218**	**5.6400e-003**		**80.0403**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0388	0.0000	0.0388	4.1900e-003	0.0000	4.1900e-003			0.0000			0.0000
Off-Road	2.9489	34.5392	15.6733	0.0348		1.4739	1.4739		1.3560	1.3560	0.0000	3,563.6141	3,563.6141	1.0919		3,586.5437
Total	**2.9489**	**34.5392**	**15.6733**	**0.0348**	**0.0388**	**1.4739**	**1.5127**	**4.1900e-003**	**1.3560**	**1.3602**	**0.0000**	**3,563.6141**	**3,563.6141**	**1.0919**		**3,586.5437**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0467	0.0613	0.6614	1.0200e-003	0.0766	8.9000e-004	0.0775	0.0203	8.2000e-004	0.0211		79.9218	79.9218	5.6400e-003		80.0403
Total	**0.0467**	**0.0613**	**0.6614**	**1.0200e-003**	**0.0766**	**8.9000e-004**	**0.0775**	**0.0203**	**8.2000e-004**	**0.0211**		**79.9218**	**79.9218**	**5.6400e-003**		**80.0403**

3.11 Access Road Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6270	0.0000	7.6270	4.1485	0.0000	4.1485			0.0000			0.0000
Off-Road	3.7548	40.4217	23.0852	0.0290		1.9707	1.9707		1.8131	1.8131		3,018.4242	3,018.4242	0.9105		3,037.5440
Total	**3.7548**	**40.4217**	**23.0852**	**0.0290**	**7.6270**	**1.9707**	**9.5978**	**4.1485**	**1.8131**	**5.9616**		**3,018.4242**	**3,018.4242**	**0.9105**		**3,037.5440**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0548	0.0699	0.7643	1.0200e-003	0.0766	9.7000e-004	0.0776	0.0203	8.8000e-004	0.0212		83.2276	83.2276	6.3300e-003		83.3605
Total	**0.0728**	**0.1515**	**0.9407**	**1.2300e-003**	**0.0825**	**2.6700e-003**	**0.0851**	**0.0220**	**2.4400e-003**	**0.0244**		**103.8942**	**103.8942**	**6.5300e-003**		**104.0312**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9745	0.0000	2.9745	1.6179	0.0000	1.6179			0.0000			0.0000
Off-Road	3.7548	40.4217	23.0852	0.0290		1.9707	1.9707		1.8131	1.8131	0.0000	3,018.4242	3,018.4242	0.9105		3,037.5440
Total	**3.7548**	**40.4217**	**23.0852**	**0.0290**	**2.9745**	**1.9707**	**4.9453**	**1.6179**	**1.8131**	**3.4310**	**0.0000**	**3,018.4242**	**3,018.4242**	**0.9105**		**3,037.5440**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0181	0.0816	0.1764	2.1000e-004	5.8200e-003	1.7000e-003	7.5200e-003	1.6300e-003	1.5600e-003	3.1900e-003		20.6666	20.6666	2.0000e-004		20.6707
Worker	0.0548	0.0699	0.7643	1.0200e-003	0.0766	9.7000e-004	0.0776	0.0203	8.8000e-004	0.0212		83.2276	83.2276	6.3300e-003		83.3605
Total	**0.0728**	**0.1515**	**0.9407**	**1.2300e-003**	**0.0825**	**2.6700e-003**	**0.0851**	**0.0220**	**2.4400e-003**	**0.0244**		**103.8942**	**103.8942**	**6.5300e-003**		**104.0312**

3.11 Access Road Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6270	0.0000	7.6270	4.1485	0.0000	4.1485			0.0000			0.0000
Off-Road	3.5524	37.6905	22.1444	0.0290		1.8383	1.8383		1.6912	1.6912		2,970.8039	2,970.8039	0.9103		2,989.9192
Total	**3.5524**	**37.6905**	**22.1444**	**0.0290**	**7.6270**	**1.8383**	**9.4653**	**4.1485**	**1.6912**	**5.8398**		**2,970.8039**	**2,970.8039**	**0.9103**		**2,989.9192**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0467	0.0613	0.6614	1.0200e-003	0.0766	8.9000e-004	0.0775	0.0203	8.2000e-004	0.0211		79.9218	79.9218	5.6400e-003		80.0403
Total	**0.0617**	**0.1327**	**0.8131**	**1.2300e-003**	**0.0825**	**2.2600e-003**	**0.0847**	**0.0220**	**2.0800e-003**	**0.0240**		**100.2311**	**100.2311**	**5.8200e-003**		**100.3534**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9745	0.0000	2.9745	1.6179	0.0000	1.6179			0.0000			0.0000

Off-Road	3.5524	37.6905	22.1444	0.0290		1.8383	1.8383		1.6912	1.6912	0.0000	2,970.8039	2,970.8039	0.9103		2,989.9192
Total	**3.5524**	**37.6905**	**22.1444**	**0.0290**	**2.9745**	**1.8383**	**4.8128**	**1.6179**	**1.6912**	**3.3092**	**0.0000**	**2,970.8039**	**2,970.8039**	**0.9103**		**2,989.9192**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0467	0.0613	0.6614	1.0200e-003	0.0766	8.9000e-004	0.0775	0.0203	8.2000e-004	0.0211		79.9218	79.9218	5.6400e-003		80.0403
Total	**0.0617**	**0.1327**	**0.8131**	**1.2300e-003**	**0.0825**	**2.2600e-003**	**0.0847**	**0.0220**	**2.0800e-003**	**0.0240**		**100.2311**	**100.2311**	**5.8200e-003**		**100.3534**

3.12 Auger Holes, Direct Embed Poles - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8878	29.6591	14.6221	0.0394		1.3476	1.3476		1.2713	1.2713		3,967.9987	3,967.9987	1.0443		3,989.9293
Total	**2.8878**	**29.6591**	**14.6221**	**0.0394**		**1.3476**	**1.3476**		**1.2713**	**1.2713**		**3,967.9987**	**3,967.9987**	**1.0443**		**3,989.9293**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0779	0.1021	1.1023	1.7000e-003	0.1277	1.4900e-003	0.1292	0.0339	1.3600e-003	0.0352		133.2030	133.2030	9.4100e-003		133.4006
Total	**0.0779**	**0.1021**	**1.1023**	**1.7000e-003**	**0.1277**	**1.4900e-003**	**0.1292**	**0.0339**	**1.3600e-003**	**0.0352**		**133.2030**	**133.2030**	**9.4100e-003**		**133.4006**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8878	29.6591	14.6221	0.0394		1.3476	1.3476		1.2713	1.2713	0.0000	3,967.9987	3,967.9987	1.0443		3,989.9293
Total	**2.8878**	**29.6591**	**14.6221**	**0.0394**		**1.3476**	**1.3476**		**1.2713**	**1.2713**	**0.0000**	**3,967.9987**	**3,967.9987**	**1.0443**		**3,989.9293**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0779	0.1021	1.1023	1.7000e-003	0.1277	1.4900e-003	0.1292	0.0339	1.3600e-003	0.0352		133.2030	133.2030	9.4100e-003		133.4006
Total	**0.0779**	**0.1021**	**1.1023**	**1.7000e-003**	**0.1277**	**1.4900e-003**	**0.1292**	**0.0339**	**1.3600e-003**	**0.0352**		**133.2030**	**133.2030**	**9.4100e-003**		**133.4006**

3.13 Structure Assembly and Installation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2700	36.8788	17.5701	0.0493		1.3690	1.3690		1.2595	1.2595		5,040.9842	5,040.9842	1.5446		5,073.4197
Total	**3.2700**	**36.8788**	**17.5701**	**0.0493**		**1.3690**	**1.3690**		**1.2595**	**1.2595**		**5,040.9842**	**5,040.9842**	**1.5446**		**5,073.4197**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4822	7.0713	15.0254	0.0205	0.5759	0.1359	0.7118	0.1617	0.1248	0.2865		2,010.6226	2,010.6226	0.0174		2,010.9886
Worker	0.0779	0.1021	1.1023	1.7000e-003	0.1277	1.4900e-003	0.1292	0.0339	1.3600e-003	0.0352		133.2030	133.2030	9.4100e-003		133.4006
Total	**1.5601**	**7.1734**	**16.1276**	**0.0222**	**0.7037**	**0.1374**	**0.8410**	**0.1956**	**0.1261**	**0.3217**		**2,143.8256**	**2,143.8256**	**0.0268**		**2,144.3891**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2700	36.8788	17.5701	0.0493		1.3690	1.3690		1.2595	1.2595	0.0000	5,040.9842	5,040.9842	1.5446		5,073.4197
Total	**3.2700**	**36.8788**	**17.5701**	**0.0493**		**1.3690**	**1.3690**		**1.2595**	**1.2595**	**0.0000**	**5,040.9842**	**5,040.9842**	**1.5446**		**5,073.4197**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4822	7.0713	15.0254	0.0205	0.5759	0.1359	0.7118	0.1617	0.1248	0.2865		2,010.6226	2,010.6226	0.0174		2,010.9886
Worker	0.0779	0.1021	1.1023	1.7000e-003	0.1277	1.4900e-003	0.1292	0.0339	1.3600e-003	0.0352		133.2030	133.2030	9.4100e-003		133.4006
Total	**1.5601**	**7.1734**	**16.1276**	**0.0222**	**0.7037**	**0.1374**	**0.8410**	**0.1956**	**0.1261**	**0.3217**		**2,143.8256**	**2,143.8256**	**0.0268**		**2,144.3891**

3.14 Concrete Placement and Formwork - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1800	24.5859	11.7134	0.0329		0.9127	0.9127		0.8397	0.8397		3,360.6561	3,360.6561	1.0297		3,382.2798
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1800**	**24.5859**	**11.7134**	**0.0329**		**0.9127**	**0.9127**		**0.8397**	**0.8397**		**3,360.6561**	**3,360.6561**	**1.0297**		**3,382.2798**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0779	0.1021	1.1023	1.7000e-003	0.1277	1.4900e-003	0.1292	0.0339	1.3600e-003	0.0352		133.2030	133.2030	9.4100e-003		133.4006
Total	**0.0929**	**0.1735**	**1.2540**	**1.9100e-003**	**0.1336**	**2.8600e-003**	**0.1364**	**0.0355**	**2.6200e-003**	**0.0381**		**153.5123**	**153.5123**	**9.5900e-003**		**153.7136**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1800	24.5859	11.7134	0.0329		0.9127	0.9127		0.8397	0.8397	0.0000	3,360.6561	3,360.6561	1.0297		3,382.2798

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1800**	**24.5859**	**11.7134**	**0.0329**		**0.9127**	**0.9127**		**0.8397**	**0.8397**	**0.0000**	**3,360.6561**	**3,360.6561**	**1.0297**		**3,382.2798**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0779	0.1021	1.1023	1.7000e-003	0.1277	1.4900e-003	0.1292	0.0339	1.3600e-003	0.0352		133.2030	133.2030	9.4100e-003		133.4006
Total	**0.0929**	**0.1735**	**1.2540**	**1.9100e-003**	**0.1336**	**2.8600e-003**	**0.1364**	**0.0355**	**2.6200e-003**	**0.0381**		**153.5123**	**153.5123**	**9.5900e-003**		**153.7136**

3.15 Distribution Line Underground - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0305	0.0000	0.0305	3.2900e-003	0.0000	3.2900e-003			0.0000			0.0000
Off-Road	0.8488	8.8259	7.2686	0.0105		0.5332	0.5332		0.4905	0.4905		1,074.4084	1,074.4084	0.3292		1,081.3215
Total	**0.8488**	**8.8259**	**7.2686**	**0.0105**	**0.0305**	**0.5332**	**0.5637**	**3.2900e-003**	**0.4905**	**0.4938**		**1,074.4084**	**1,074.4084**	**0.3292**		**1,081.3215**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.1246	0.1633	1.7636	2.7100e-003	0.2044	2.3800e-003	0.2068	0.0542	2.1800e-003	0.0564		213.1248	213.1248	0.0151		213.4409
Total	**0.1396**	**0.2348**	**1.9154**	**2.9200e-003**	**0.2102**	**3.7500e-003**	**0.2139**	**0.0558**	**3.4400e-003**	**0.0593**		**233.4342**	**233.4342**	**0.0152**		**233.7539**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0119	0.0000	0.0119	1.2800e-003	0.0000	1.2800e-003			0.0000			0.0000
Off-Road	0.8488	8.8259	7.2686	0.0105		0.5332	0.5332		0.4905	0.4905	0.0000	1,074.4084	1,074.4084	0.3292		1,081.3215
Total	**0.8488**	**8.8259**	**7.2686**	**0.0105**	**0.0119**	**0.5332**	**0.5451**	**1.2800e-003**	**0.4905**	**0.4918**	**0.0000**	**1,074.4084**	**1,074.4084**	**0.3292**		**1,081.3215**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.1246	0.1633	1.7636	2.7100e-003	0.2044	2.3800e-003	0.2068	0.0542	2.1800e-003	0.0564		213.1248	213.1248	0.0151		213.4409
Total	**0.1396**	**0.2348**	**1.9154**	**2.9200e-003**	**0.2102**	**3.7500e-003**	**0.2139**	**0.0558**	**3.4400e-003**	**0.0593**		**233.4342**	**233.4342**	**0.0152**		**233.7539**

3.16 Distribution Line Underground I5 - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0305	0.0000	0.0305	3.2900e-003	0.0000	3.2900e-003			0.0000			0.0000
Off-Road	1.4820	17.9909	8.3472	0.0274		0.6201	0.6201		0.5705	0.5705		2,796.9509	2,796.9509	0.8570		2,814.9474
Total	**1.4820**	**17.9909**	**8.3472**	**0.0274**	**0.0305**	**0.6201**	**0.6506**	**3.2900e-003**	**0.5705**	**0.5738**		**2,796.9509**	**2,796.9509**	**0.8570**		**2,814.9474**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.1246	0.1633	1.7636	2.7100e-003	0.2044	2.3800e-003	0.2068	0.0542	2.1800e-003	0.0564		213.1248	213.1248	0.0151		213.4409
Total	**0.1396**	**0.2348**	**1.9154**	**2.9200e-003**	**0.2102**	**3.7500e-003**	**0.2139**	**0.0558**	**3.4400e-003**	**0.0593**		**233.4342**	**233.4342**	**0.0152**		**233.7539**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0119	0.0000	0.0119	1.2800e-003	0.0000	1.2800e-003			0.0000			0.0000
Off-Road	1.4820	17.9909	8.3472	0.0274		0.6201	0.6201		0.5705	0.5705	0.0000	2,796.9509	2,796.9509	0.8570		2,814.9474
Total	**1.4820**	**17.9909**	**8.3472**	**0.0274**	**0.0119**	**0.6201**	**0.6320**	**1.2800e-003**	**0.5705**	**0.5718**	**0.0000**	**2,796.9509**	**2,796.9509**	**0.8570**		**2,814.9474**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.1246	0.1633	1.7636	2.7100e-003	0.2044	2.3800e-003	0.2068	0.0542	2.1800e-003	0.0564		213.1248	213.1248	0.0151		213.4409
Total	**0.1396**	**0.2348**	**1.9154**	**2.9200e-003**	**0.2102**	**3.7500e-003**	**0.2139**	**0.0558**	**3.4400e-003**	**0.0593**		**233.4342**	**233.4342**	**0.0152**		**233.7539**

3.17 Steel Installation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1636	24.1922	10.8635	0.0254		1.0734	1.0734		0.9875	0.9875		2,597.1940	2,597.1940	0.7958		2,613.9053
Total	**2.1636**	**24.1922**	**10.8635**	**0.0254**		**1.0734**	**1.0734**		**0.9875**	**0.9875**		**2,597.1940**	**2,597.1940**	**0.7958**		**2,613.9053**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4822	7.0713	15.0254	0.0205	0.5759	0.1359	0.7118	0.1617	0.1248	0.2865		2,010.6226	2,010.6226	0.0174		2,010.9886
Worker	0.0779	0.1021	1.1023	1.7000e-003	0.1277	1.4900e-003	0.1292	0.0339	1.3600e-003	0.0352		133.2030	133.2030	9.4100e-003		133.4006
Total	**1.5601**	**7.1734**	**16.1276**	**0.0222**	**0.7037**	**0.1374**	**0.8410**	**0.1956**	**0.1261**	**0.3217**		**2,143.8256**	**2,143.8256**	**0.0268**		**2,144.3891**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1636	24.1922	10.8635	0.0254		1.0734	1.0734		0.9875	0.9875	0.0000	2,597.1940	2,597.1940	0.7958		2,613.9053

Total	**2.1636**	**24.1922**	**10.8635**	**0.0254**		**1.0734**	**1.0734**		**0.9875**	**0.9875**	**0.0000**	**2,597.1940**	**2,597.1940**	**0.7958**		**2,613.9053**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4822	7.0713	15.0254	0.0205	0.5759	0.1359	0.7118	0.1617	0.1248	0.2865		2,010.6226	2,010.6226	0.0174		2,010.9886
Worker	0.0779	0.1021	1.1023	1.7000e-003	0.1277	1.4900e-003	0.1292	0.0339	1.3600e-003	0.0352		133.2030	133.2030	9.4100e-003		133.4006
Total	**1.5601**	**7.1734**	**16.1276**	**0.0222**	**0.7037**	**0.1374**	**0.8410**	**0.1956**	**0.1261**	**0.3217**		**2,143.8256**	**2,143.8256**	**0.0268**		**2,144.3891**

3.18 Structure Erection - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2700	36.8788	17.5701	0.0493		1.3690	1.3690		1.2595	1.2595		5,040.9842	5,040.9842	1.5446		5,073.4197
Total	**3.2700**	**36.8788**	**17.5701**	**0.0493**		**1.3690**	**1.3690**		**1.2595**	**1.2595**		**5,040.9842**	**5,040.9842**	**1.5446**		**5,073.4197**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4822	7.0713	15.0254	0.0205	0.5759	0.1359	0.7118	0.1617	0.1248	0.2865		2,010.6226	2,010.6226	0.0174		2,010.9886
Worker	0.0779	0.1021	1.1023	1.7000e-003	0.1277	1.4900e-003	0.1292	0.0339	1.3600e-003	0.0352		133.2030	133.2030	9.4100e-003		133.4006
Total	**1.5601**	**7.1734**	**16.1276**	**0.0222**	**0.7037**	**0.1374**	**0.8410**	**0.1956**	**0.1261**	**0.3217**		**2,143.8256**	**2,143.8256**	**0.0268**		**2,144.3891**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2700	36.8788	17.5701	0.0493		1.3690	1.3690		1.2595	1.2595	0.0000	5,040.9842	5,040.9842	1.5446		5,073.4197
Total	**3.2700**	**36.8788**	**17.5701**	**0.0493**		**1.3690**	**1.3690**		**1.2595**	**1.2595**	**0.0000**	**5,040.9842**	**5,040.9842**	**1.5446**		**5,073.4197**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4822	7.0713	15.0254	0.0205	0.5759	0.1359	0.7118	0.1617	0.1248	0.2865		2,010.6226	2,010.6226	0.0174		2,010.9886
Worker	0.0779	0.1021	1.1023	1.7000e-003	0.1277	1.4900e-003	0.1292	0.0339	1.3600e-003	0.0352		133.2030	133.2030	9.4100e-003		133.4006
Total	**1.5601**	**7.1734**	**16.1276**	**0.0222**	**0.7037**	**0.1374**	**0.8410**	**0.1956**	**0.1261**	**0.3217**		**2,143.8256**	**2,143.8256**	**0.0268**		**2,144.3891**

3.19 Equipment Installation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1341	12.9008	6.3561	0.0110		0.6524	0.6524		0.6002	0.6002		1,128.0280	1,128.0280	0.3456		1,135.2861
Total	**1.1341**	**12.9008**	**6.3561**	**0.0110**		**0.6524**	**0.6524**		**0.6002**	**0.6002**		**1,128.0280**	**1,128.0280**	**0.3456**		**1,135.2861**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4822	7.0713	15.0254	0.0205	0.5759	0.1359	0.7118	0.1617	0.1248	0.2865		2,010.6226	2,010.6226	0.0174		2,010.9886
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**1.5445**	**7.1530**	**15.9072**	**0.0219**	**0.6781**	**0.1371**	**0.8152**	**0.1888**	**0.1259**	**0.3147**		**2,117.1850**	**2,117.1850**	**0.0250**		**2,117.7090**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1341	12.9008	6.3561	0.0110		0.6524	0.6524		0.6002	0.6002	0.0000	1,128.0280	1,128.0280	0.3456		1,135.2861
Total	**1.1341**	**12.9008**	**6.3561**	**0.0110**		**0.6524**	**0.6524**		**0.6002**	**0.6002**	**0.0000**	**1,128.0280**	**1,128.0280**	**0.3456**		**1,135.2861**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4822	7.0713	15.0254	0.0205	0.5759	0.1359	0.7118	0.1617	0.1248	0.2865		2,010.6226	2,010.6226	0.0174		2,010.9886
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**1.5445**	**7.1530**	**15.9072**	**0.0219**	**0.6781**	**0.1371**	**0.8152**	**0.1888**	**0.1259**	**0.3147**		**2,117.1850**	**2,117.1850**	**0.0250**		**2,117.7090**

3.20 Equipment Removal - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9718	0.0000	0.9718	0.1472	0.0000	0.1472			0.0000			0.0000
Off-Road	2.1389	24.9230	12.2279	0.0278		1.0452	1.0452		0.9616	0.9616		2,842.0666	2,842.0666	0.8708		2,860.3535
Total	**2.1389**	**24.9230**	**12.2279**	**0.0278**	**0.9718**	**1.0452**	**2.0170**	**0.1472**	**0.9616**	**1.1087**		**2,842.0666**	**2,842.0666**	**0.8708**		**2,860.3535**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1097	0.8511	1.1221	3.2000e-003	0.0754	0.0164	0.0918	0.0207	0.0151	0.0358		316.7484	316.7484	2.2900e-003		316.7964
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**0.1720**	**0.9328**	**2.0039**	**4.5600e-003**	**0.1776**	**0.0176**	**0.1952**	**0.0478**	**0.0162**	**0.0640**		**423.3108**	**423.3108**	**9.8200e-003**		**423.5169**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3790	0.0000	0.3790	0.0574	0.0000	0.0574			0.0000			0.0000

Off-Road	2.1389	24.9230	12.2279	0.0278		1.0452	1.0452		0.9616	0.9616	0.0000	2,842.0666	2,842.0666	0.8708		2,860.3535
Total	**2.1389**	**24.9230**	**12.2279**	**0.0278**	**0.3790**	**1.0452**	**1.4242**	**0.0574**	**0.9616**	**1.0190**	**0.0000**	**2,842.0666**	**2,842.0666**	**0.8708**		**2,860.3535**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1097	0.8511	1.1221	3.2000e-003	0.0754	0.0164	0.0918	0.0207	0.0151	0.0358		316.7484	316.7484	2.2900e-003		316.7964
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**0.1720**	**0.9328**	**2.0039**	**4.5600e-003**	**0.1776**	**0.0176**	**0.1952**	**0.0478**	**0.0162**	**0.0640**		**423.3108**	**423.3108**	**9.8200e-003**		**423.5169**

3.21 Bus Work - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4966	12.7937	7.1856	0.0123		0.6238	0.6238		0.5867	0.5867		1,192.0567	1,192.0567	0.3419		1,199.2368
Total	**1.4966**	**12.7937**	**7.1856**	**0.0123**		**0.6238**	**0.6238**		**0.5867**	**0.5867**		**1,192.0567**	**1,192.0567**	**0.3419**		**1,199.2368**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**0.0773**	**0.1531**	**1.0336**	**1.5700e-003**	**0.1080**	**2.5600e-003**	**0.1106**	**0.0287**	**2.3500e-003**	**0.0311**		**126.8717**	**126.8717**	**7.7100e-003**		**127.0335**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4966	12.7937	7.1856	0.0123		0.6238	0.6238		0.5867	0.5867	0.0000	1,192.0567	1,192.0567	0.3419		1,199.2368
Total	**1.4966**	**12.7937**	**7.1856**	**0.0123**		**0.6238**	**0.6238**		**0.5867**	**0.5867**	**0.0000**	**1,192.0567**	**1,192.0567**	**0.3419**		**1,199.2368**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**0.0773**	**0.1531**	**1.0336**	**1.5700e-003**	**0.1080**	**2.5600e-003**	**0.1106**	**0.0287**	**2.3500e-003**	**0.0311**		**126.8717**	**126.8717**	**7.7100e-003**		**127.0335**

3.22 Wire Installation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	9.6810	110.0482	56.1584	0.1120		4.9890	4.9890		4.5899	4.5899		11,459.5324	11,459.5324	3.5112		11,533.2671
Total	**9.6810**	**110.0482**	**56.1584**	**0.1120**		**4.9890**	**4.9890**		**4.5899**	**4.5899**		**11,459.5324**	**11,459.5324**	**3.5112**		**11,533.2671**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5121	7.2142	15.3289	0.0210	0.5876	0.1386	0.7262	0.1650	0.1273	0.2923		2,051.2412	2,051.2412	0.0178		2,051.6146
Worker	0.1246	0.1633	1.7636	2.7100e-003	0.2044	2.3800e-003	0.2068	0.0542	2.1800e-003	0.0564		213.1248	213.1248	0.0151		213.4409
Total	**1.6368**	**7.3775**	**17.0925**	**0.0237**	**0.7919**	**0.1410**	**0.9329**	**0.2192**	**0.1295**	**0.3487**		**2,264.3661**	**2,264.3661**	**0.0328**		**2,265.0555**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	9.6810	110.0482	56.1584	0.1120		4.9890	4.9890		4.5899	4.5899	0.0000	11,459.5324	11,459.5324	3.5112		11,533.2671
Total	**9.6810**	**110.0482**	**56.1584**	**0.1120**		**4.9890**	**4.9890**		**4.5899**	**4.5899**	**0.0000**	**11,459.5324**	**11,459.5324**	**3.5112**		**11,533.2671**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5121	7.2142	15.3289	0.0210	0.5876	0.1386	0.7262	0.1650	0.1273	0.2923		2,051.2412	2,051.2412	0.0178		2,051.6146
Worker	0.1246	0.1633	1.7636	2.7100e-003	0.2044	2.3800e-003	0.2068	0.0542	2.1800e-003	0.0564		213.1248	213.1248	0.0151		213.4409
Total	**1.6368**	**7.3775**	**17.0925**	**0.0237**	**0.7919**	**0.1410**	**0.9329**	**0.2192**	**0.1295**	**0.3487**		**2,264.3661**	**2,264.3661**	**0.0328**		**2,265.0555**

3.23 Testing and Energization - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0312	0.0408	0.4409	6.8000e-004	0.0511	6.0000e-004	0.0517	0.0136	5.5000e-004	0.0141		53.2812	53.2812	3.7600e-003		53.3602
Total	**0.0461**	**0.1123**	**0.5927**	**8.9000e-004**	**0.0569**	**1.9700e-003**	**0.0589**	**0.0152**	**1.8100e-003**	**0.0170**		**73.5905**	**73.5905**	**3.9400e-003**		**73.6732**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.0714	0.1518	2.1000e-004	5.8200e-003	1.3700e-003	7.1900e-003	1.6300e-003	1.2600e-003	2.8900e-003		20.3093	20.3093	1.8000e-004		20.3130
Worker	0.0312	0.0408	0.4409	6.8000e-004	0.0511	6.0000e-004	0.0517	0.0136	5.5000e-004	0.0141		53.2812	53.2812	3.7600e-003		53.3602
Total	**0.0461**	**0.1123**	**0.5927**	**8.9000e-004**	**0.0569**	**1.9700e-003**	**0.0589**	**0.0152**	**1.8100e-003**	**0.0170**		**73.5905**	**73.5905**	**3.9400e-003**		**73.6732**

3.24 Foundation Removal - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0320	0.0000	2.0320	0.3077	0.0000	0.3077			0.0000			0.0000
Off-Road	2.9719	32.1955	17.6980	0.0407		1.4850	1.4850		1.3662	1.3662		4,156.3185	4,156.3185	1.2735		4,183.0617
Total	**2.9719**	**32.1955**	**17.6980**	**0.0407**	**2.0320**	**1.4850**	**3.5170**	**0.3077**	**1.3662**	**1.6738**		**4,156.3185**	**4,156.3185**	**1.2735**		**4,183.0617**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2293	1.7796	2.3462	6.6900e-003	0.1577	0.0343	0.1920	0.0433	0.0315	0.0748		662.2920	662.2920	4.7900e-003		662.3925
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**0.2917**	**1.8613**	**3.2280**	**8.0500e-003**	**0.2599**	**0.0355**	**0.2954**	**0.0704**	**0.0326**	**0.1030**		**768.8544**	**768.8544**	**0.0123**		**769.1130**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7925	0.0000	0.7925	0.1200	0.0000	0.1200			0.0000			0.0000
Off-Road	2.9719	32.1955	17.6980	0.0407		1.4850	1.4850		1.3662	1.3662	0.0000	4,156.3185	4,156.3185	1.2735		4,183.0617
Total	**2.9719**	**32.1955**	**17.6980**	**0.0407**	**0.7925**	**1.4850**	**2.2775**	**0.1200**	**1.3662**	**1.4862**	**0.0000**	**4,156.3185**	**4,156.3185**	**1.2735**		**4,183.0617**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.2293	1.7796	2.3462	6.6900e-003	0.1577	0.0343	0.1920	0.0433	0.0315	0.0748		662.2920	662.2920	4.7900e-003		662.3925
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**0.2917**	**1.8613**	**3.2280**	**8.0500e-003**	**0.2599**	**0.0355**	**0.2954**	**0.0704**	**0.0326**	**0.1030**		**768.8544**	**768.8544**	**0.0123**		**769.1130**

3.25 Right-of-way Restoration and Cleanup - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.5276	0.0000	7.5276	4.1378	0.0000	4.1378			0.0000			0.0000
Off-Road	2.5779	28.7838	18.2824	0.0275		1.2224	1.2224		1.1246	1.1246		2,817.8390	2,817.8390	0.8634		2,835.9700
Total	**2.5779**	**28.7838**	**18.2824**	**0.0275**	**7.5276**	**1.2224**	**8.7500**	**4.1378**	**1.1246**	**5.2624**		**2,817.8390**	**2,817.8390**	**0.8634**		**2,835.9700**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**0.0623**	**0.0817**	**0.8818**	**1.3600e-003**	**0.1022**	**1.1900e-003**	**0.1034**	**0.0271**	**1.0900e-003**	**0.0282**		**106.5624**	**106.5624**	**7.5300e-003**		**106.7204**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9358	0.0000	2.9358	1.6137	0.0000	1.6137			0.0000			0.0000
Off-Road	2.5779	28.7838	18.2824	0.0275		1.2224	1.2224		1.1246	1.1246	0.0000	2,817.8390	2,817.8390	0.8634		2,835.9699
Total	**2.5779**	**28.7838**	**18.2824**	**0.0275**	**2.9358**	**1.2224**	**4.1582**	**1.6137**	**1.1246**	**2.7384**	**0.0000**	**2,817.8390**	**2,817.8390**	**0.8634**		**2,835.9699**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**0.0623**	**0.0817**	**0.8818**	**1.3600e-003**	**0.1022**	**1.1900e-003**	**0.1034**	**0.0271**	**1.0900e-003**	**0.0282**		**106.5624**	**106.5624**	**7.5300e-003**		**106.7204**

3.26 Right-of-way Restoration and Cleanup Transmission - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.5276	0.0000	7.5276	4.1378	0.0000	4.1378			0.0000			0.0000
Off-Road	2.5779	28.7838	18.2824	0.0275		1.2224	1.2224		1.1246	1.1246		2,817.8390	2,817.8390	0.8634		2,835.9700
Total	**2.5779**	**28.7838**	**18.2824**	**0.0275**	**7.5276**	**1.2224**	**8.7500**	**4.1378**	**1.1246**	**5.2624**		**2,817.8390**	**2,817.8390**	**0.8634**		**2,835.9700**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**0.0623**	**0.0817**	**0.8818**	**1.3600e-003**	**0.1022**	**1.1900e-003**	**0.1034**	**0.0271**	**1.0900e-003**	**0.0282**		**106.5624**	**106.5624**	**7.5300e-003**		**106.7204**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9358	0.0000	2.9358	1.6137	0.0000	1.6137			0.0000			0.0000

Off-Road	2.5779	28.7838	18.2824	0.0275		1.2224	1.2224		1.1246	1.1246	0.0000	2,817.8390	2,817.8390	0.8634		2,835.9699
Total	**2.5779**	**28.7838**	**18.2824**	**0.0275**	**2.9358**	**1.2224**	**4.1582**	**1.6137**	**1.1246**	**2.7384**	**0.0000**	**2,817.8390**	**2,817.8390**	**0.8634**		**2,835.9699**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**0.0623**	**0.0817**	**0.8818**	**1.3600e-003**	**0.1022**	**1.1900e-003**	**0.1034**	**0.0271**	**1.0900e-003**	**0.0282**		**106.5624**	**106.5624**	**7.5300e-003**		**106.7204**

3.27 Fencing - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**0.0623**	**0.0817**	**0.8818**	**1.3600e-003**	**0.1022**	**1.1900e-003**	**0.1034**	**0.0271**	**1.0900e-003**	**0.0282**		**106.5624**	**106.5624**	**7.5300e-003**		**106.7204**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**0.0623**	**0.0817**	**0.8818**	**1.3600e-003**	**0.1022**	**1.1900e-003**	**0.1034**	**0.0271**	**1.0900e-003**	**0.0282**		**106.5624**	**106.5624**	**7.5300e-003**		**106.7204**

3.28 Marshalling Yard - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0312	0.0408	0.4409	6.8000e-004	0.0511	6.0000e-004	0.0517	0.0136	5.5000e-004	0.0141		53.2812	53.2812	3.7600e-003		53.3602
Total	**0.0312**	**0.0408**	**0.4409**	**6.8000e-004**	**0.0511**	**6.0000e-004**	**0.0517**	**0.0136**	**5.5000e-004**	**0.0141**		**53.2812**	**53.2812**	**3.7600e-003**		**53.3602**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0312	0.0408	0.4409	6.8000e-004	0.0511	6.0000e-004	0.0517	0.0136	5.5000e-004	0.0141		53.2812	53.2812	3.7600e-003		53.3602
Total	**0.0312**	**0.0408**	**0.4409**	**6.8000e-004**	**0.0511**	**6.0000e-004**	**0.0517**	**0.0136**	**5.5000e-004**	**0.0141**		**53.2812**	**53.2812**	**3.7600e-003**		**53.3602**

3.29 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.5806	0.0000	7.5806	4.1435	0.0000	4.1435			0.0000			0.0000
Off-Road	2.9739	32.5886	21.2747	0.0314		1.5086	1.5086		1.3879	1.3879		3,215.6701	3,215.6701	0.9853		3,236.3609
Total	**2.9739**	**32.5886**	**21.2747**	**0.0314**	**7.5806**	**1.5086**	**9.0892**	**4.1435**	**1.3879**	**5.5314**		**3,215.6701**	**3,215.6701**	**0.9853**		**3,236.3609**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**0.0623**	**0.0817**	**0.8818**	**1.3600e-003**	**0.1022**	**1.1900e-003**	**0.1034**	**0.0271**	**1.0900e-003**	**0.0282**		**106.5624**	**106.5624**	**7.5300e-003**		**106.7204**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9565	0.0000	2.9565	1.6160	0.0000	1.6160			0.0000			0.0000

Off-Road	2.9739	32.5886	21.2747	0.0314		1.5086	1.5086		1.3879	1.3879	0.0000	3,215.6701	3,215.6701	0.9853		3,236.3609
Total	**2.9739**	**32.5886**	**21.2747**	**0.0314**	**2.9565**	**1.5086**	**4.4650**	**1.6160**	**1.3879**	**3.0038**	**0.0000**	**3,215.6701**	**3,215.6701**	**0.9853**		**3,236.3609**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0817	0.8818	1.3600e-003	0.1022	1.1900e-003	0.1034	0.0271	1.0900e-003	0.0282		106.5624	106.5624	7.5300e-003		106.7204
Total	**0.0623**	**0.0817**	**0.8818**	**1.3600e-003**	**0.1022**	**1.1900e-003**	**0.1034**	**0.0271**	**1.0900e-003**	**0.0282**		**106.5624**	**106.5624**	**7.5300e-003**		**106.7204**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.7180	12.0444	39.0971	0.0618	3.1383	0.1787	3.3170	0.8444	0.1642	1.0085		5,505.3903	5,505.3903	0.2414		5,510.4591
Unmitigated	3.7180	12.0444	39.0971	0.0618	3.1383	0.1787	3.3170	0.8444	0.1642	1.0085		5,505.3903	5,505.3903	0.2414		5,510.4591

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	375.00	375.00	375.00	1,448,800	1,448,800
User Defined Industrial	0.00	0.00	0.00		
Total	375.00	375.00	375.00	1,448,800	1,448,800

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-...	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
User Defined Industrial	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.287345	0.100576	0.160740	0.161612	0.115759	0.012096	0.012835	0.131392	0.003377	0.001210	0.006560	0.001783	0.004715

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0272	0.2471	0.2076	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.5351	296.5351	5.6800e-003	5.4400e-003	298.3397
NaturalGas Unmitigated	0.0272	0.2471	0.2076	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.5351	296.5351	5.6800e-003	5.4400e-003	298.3397

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	2520.55	0.0272	0.2471	0.2076	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.5351	296.5351	5.6800e-003	5.4400e-003	298.3397
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0272**	**0.2471**	**0.2076**	**1.4800e-003**		**0.0188**	**0.0188**		**0.0188**	**0.0188**		**296.5351**	**296.5351**	**5.6800e-003**	**5.4400e-003**	**298.3397**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	2.52055	0.0272	0.2471	0.2076	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.5351	296.5351	5.6800e-003	5.4400e-003	298.3397
Total		**0.0272**	**0.2471**	**0.2076**	**1.4800e-003**		**0.0188**	**0.0188**		**0.0188**	**0.0188**		**296.5351**	**296.5351**	**5.6800e-003**	**5.4400e-003**	**298.3397**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.7601	2.5000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0565	0.0565	1.6000e-004		0.0598
Unmitigated	13.7601	2.5000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0565	0.0565	1.6000e-004		0.0598

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.9500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.8075					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5900e-003	2.5000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0565	0.0565	1.6000e-004		0.0598
Total	**13.7600**	**2.5000e-004**	**0.0268**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**		**0.0565**	**0.0565**	**1.6000e-004**		**0.0598**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.9500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.8075					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	2.5900e-003	2.5000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0565	0.0565	1.6000e-004		0.0598
Total	**13.7600**	**2.5000e-004**	**0.0268**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**		**0.0565**	**0.0565**	**1.6000e-004**		**0.0598**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Lassen Substation Construction

Northeast Plateau Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	250.00	1000sqft	4.50	250,000.00	0
User Defined Industrial	8.00	User Defined Unit	8.00	348,480.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	73
Climate Zone	14			**Operational Year**	2017
Utility Company	PacifiCorp				
CO2 Intensity (lb/MWhr)	1656.39	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Grading - Based on project description

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	897720	0
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	0
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tblConstructionPhase	NumDays	300.00	48.00
tblConstructionPhase	NumDays	300.00	96.00

tblConstructionPhase	NumDays	300.00	48.00
tblConstructionPhase	NumDays	300.00	11.00
tblConstructionPhase	NumDays	300.00	23.00
tblConstructionPhase	NumDays	300.00	12.00
tblConstructionPhase	NumDays	300.00	21.00
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tblConstructionPhase	NumDays	30.00	48.00
tblConstructionPhase	NumDays	30.00	10.00
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tblConstructionPhase	NumDays	30.00	63.00
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tblConstructionPhase	NumDays	30.00	48.00
tblConstructionPhase	NumDays	20.00	48.00
tblConstructionPhase	NumDays	10.00	260.00
tblConstructionPhase	NumDays	10.00	9.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	10.00	11.00
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tblConstructionPhase	PhaseEndDate	7/31/2017	5/24/2017
tblConstructionPhase	PhaseEndDate	10/13/2017	9/30/2017
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tblConstructionPhase	PhaseEndDate	4/7/2017	1/10/2017
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tblConstructionPhase	PhaseEndDate	9/29/2017	9/30/2017
tblConstructionPhase	PhaseEndDate	10/12/2017	10/13/2016
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tblConstructionPhase	PhaseEndDate	10/30/2017	9/30/2017
tblConstructionPhase	PhaseEndDate	10/16/2017	9/30/2017
tblConstructionPhase	PhaseEndDate	10/12/2017	9/30/2017
tblConstructionPhase	PhaseEndDate	10/12/2017	10/13/2016
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tblConstructionPhase	PhaseStartDate	11/4/2016	10/14/2016
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tblGrading	AcresOfGrading	0.00	4.50
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tblLandUse	LotAcreage	0.00	8.00
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tblOffRoadEquipment	HorsePower	400.00	250.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

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tblOffRoadEquipment	UsageHours	8.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
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tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	10.00

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblProjectCharacteristics	WindSpeed	2.5	3.5
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	98.00	99.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00

tblTripsAndVMT	VendorTripNumber	98.00	99.00
tblTripsAndVMT	VendorTripNumber	98.00	99.00
tblTripsAndVMT	VendorTripNumber	98.00	99.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	98.00	1.00
tblTripsAndVMT	VendorTripNumber	98.00	101.00
tblTripsAndVMT	VendorTripNumber	98.00	1.00
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tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	30.00	2.00
tblTripsAndVMT	WorkerTripNumber	23.00	6.00
tblTripsAndVMT	WorkerTripNumber	251.00	10.00
tblTripsAndVMT	WorkerTripNumber	40.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	25.00	16.00
tblTripsAndVMT	WorkerTripNumber	251.00	10.00
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tblTripsAndVMT	WorkerTripNumber	251.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	8.00
tblTripsAndVMT	WorkerTripNumber	33.00	6.00
tblTripsAndVMT	WorkerTripNumber	251.00	8.00
tblTripsAndVMT	WorkerTripNumber	251.00	16.00
tblTripsAndVMT	WorkerTripNumber	251.00	4.00
tblTripsAndVMT	WorkerTripNumber	25.00	8.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00

tblTripsAndVMT	WorkerTripNumber	251.00	8.00
tblTripsAndVMT	WorkerTripNumber	18.00	4.00
tblTripsAndVMT	WorkerTripNumber	20.00	8.00
tblTripsAndVMT	WorkerTripNumber	18.00	2.00
tblTripsAndVMT	WorkerTripNumber	18.00	6.00
tblTripsAndVMT	WorkerTripNumber	18.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	4.00
tblTripsAndVMT	WorkerTripNumber	30.00	6.00
tblTripsAndVMT	WorkerTripNumber	25.00	10.00
tblTripsAndVMT	WorkerTripNumber	33.00	6.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.4883	5.3811	2.9249	4.8500e-003	0.6279	0.2429	0.8709	0.3342	0.2235	0.5577	0.0000	453.8643	453.8643	0.1334	0.0000	456.6652
2017	1.2084	10.8643	9.0528	0.0155	0.9705	0.4232	1.3937	0.4796	0.3902	0.8697	0.0000	1,407.9340	1,407.9340	0.3294	0.0000	1,414.8514
Total	**1.6967**	**16.2454**	**11.9777**	**0.0204**	**1.5984**	**0.6662**	**2.2646**	**0.8138**	**0.6137**	**1.4275**	**0.0000**	**1,861.7984**	**1,861.7984**	**0.4628**	**0.0000**	**1,871.5167**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Year	tons/yr										MT/yr					
2016	0.4883	5.3811	2.9249	4.8500e-003	0.2527	0.2429	0.4957	0.1324	0.2235	0.3559	0.0000	453.8638	453.8638	0.1334	0.0000	456.6647
2017	1.2084	10.8643	9.0528	0.0155	0.4618	0.4232	0.8850	0.2101	0.3902	0.6002	0.0000	1,407.9327	1,407.9327	0.3294	0.0000	1,414.8502
Total	**1.6967**	**16.2454**	**11.9777**	**0.0204**	**0.7145**	**0.6662**	**1.3807**	**0.3425**	**0.6137**	**0.9562**	**0.0000**	**1,861.7966**	**1,861.7966**	**0.4628**	**0.0000**	**1,871.5149**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**55.30**	**0.00**	**39.03**	**57.91**	**0.00**	**33.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.5110	2.0000e-005	2.4200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.8800e-003
Energy	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	937.5375	937.5375	0.0165	4.1200e-003	939.1606
Mobile	0.7571	2.3428	8.6194	0.0110	0.5472	0.0326	0.5798	0.1478	0.0299	0.1777	0.0000	889.7113	889.7113	0.0398	0.0000	890.5478
Waste						0.0000	0.0000		0.0000	0.0000	62.9272	0.0000	62.9272	3.7189	0.0000	141.0239
Water						0.0000	0.0000		0.0000	0.0000	18.3412	235.0323	253.3736	1.8879	0.0453	307.0733
Total	**3.2730**	**2.3879**	**8.6597**	**0.0113**	**0.5472**	**0.0360**	**0.5832**	**0.1478**	**0.0334**	**0.1812**	**81.2684**	**2,062.2858**	**2,143.5542**	**5.6632**	**0.0495**	**2,277.8105**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.5110	2.0000e-005	2.4200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.8800e-003
Energy	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	937.5375	937.5375	0.0165	4.1200e-003	939.1606
Mobile	0.7571	2.3428	8.6194	0.0110	0.5472	0.0326	0.5798	0.1478	0.0299	0.1777	0.0000	889.7113	889.7113	0.0398	0.0000	890.5478
Waste						0.0000	0.0000		0.0000	0.0000	62.9272	0.0000	62.9272	3.7189	0.0000	141.0239
Water						0.0000	0.0000		0.0000	0.0000	18.3412	235.0323	253.3736	1.8876	0.0453	307.0440
Total	**3.2730**	**2.3879**	**8.6597**	**0.0113**	**0.5472**	**0.0360**	**0.5832**	**0.1478**	**0.0334**	**0.1812**	**81.2684**	**2,062.2858**	**2,143.5542**	**5.6628**	**0.0494**	**2,277.7813**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.01**	**0.14**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Construction Management	Site Preparation	10/1/2016	9/30/2017	5	260	
2	Survey	Site Preparation	10/1/2016	10/13/2016	5	9	
3	Construction Management Transmission	Site Preparation	10/1/2016	9/30/2017	5	260	
4	Survey Transmission	Site Preparation	10/1/2016	10/13/2016	5	9	
5	Demolition	Demolition	10/14/2016	11/3/2016	5	15	
6	Access road Transmission	Grading	10/14/2016	1/10/2017	5	63	
7	Material Haul Transmission	Grading	10/14/2016	1/10/2017	5	63	
8	Lassen Substation Grading	Grading	11/4/2016	1/10/2017	5	48	
9	Material Haul	Grading	11/4/2016	1/10/2017	5	48	
10	Access Road Construction	Grading	11/4/2016	1/10/2017	5	48	

11	Auger Holes, Direct Embed Poles	Trenching	1/11/2017	3/17/2017	5	48	
12	Structure Assembly and Installation	Building Construction	1/11/2017	5/24/2017	5	96	
13	Concrete Placement and Formwork	Paving	1/11/2017	3/17/2017	5	48	
14	Distribution Line Underground	Grading	3/18/2017	5/24/2017	5	48	
15	Distribution Line Underground I5	Grading	3/18/2017	5/24/2017	5	48	
16	Steel Installation	Building Construction	3/18/2017	5/24/2017	5	48	
17	Structure Erection	Building Construction	3/18/2017	7/31/2017	5	96	
18	Equipment Installation	Building Construction	5/25/2017	7/31/2017	5	48	
19	Equipment Removal	Demolition	8/1/2017	8/31/2017	5	23	
20	Bus Work	Building Construction	8/1/2017	8/15/2017	5	11	
21	Wire Installation	Building Construction	8/1/2017	8/31/2017	5	23	
22	Testing and Energization	Building Construction	8/16/2017	8/31/2017	5	12	
23	Foundation Removal	Demolition	9/1/2017	9/15/2017	5	11	
24	Right-of-way Restoration and Cleanup	Site Preparation	9/1/2017	9/30/2017	5	21	
25	Right-of-way Restoration and Cleanup Transmission	Site Preparation	9/1/2017	9/30/2017	5	21	
26	Fencing	Building Construction	9/1/2017	9/30/2017	5	21	
27	Marshalling Yard	Site Preparation	9/15/2017	9/30/2017	5	11	
28	Grading	Grading	9/16/2017	9/30/2017	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Construction Management	Cranes	1	0.00	226	0.29
Construction Management	Forklifts	3	0.00	89	0.20
Construction Management	Generator Sets	1	0.00	84	0.74
Construction Management	Rubber Tired Dozers	3	0.00	255	0.40

Construction Management	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Construction Management	Welders	1	0.00	46	0.45
Survey	Pavers	2	0.00	125	0.42
Survey	Paving Equipment	2	0.00	130	0.36
Survey	Rollers	2	0.00	80	0.38
Survey	Rubber Tired Dozers	3	0.00	255	0.40
Survey	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Construction Management Transmission	Rubber Tired Dozers	3	0.00	255	0.40
Construction Management Transmission	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Survey Transmission	Rubber Tired Dozers	3	0.00	255	0.40
Survey Transmission	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Demolition	Concrete/Industrial Saws	1	0.00	81	0.73
Demolition	Crawler Tractors	1	10.00	208	0.43
Demolition	Excavators	1	10.00	162	0.38
Demolition	Off-Highway Trucks	2	10.00	400	0.38
Demolition	Rubber Tired Dozers	2	0.00	255	0.40
Access road Transmission	Excavators	2	0.00	162	0.38
Access road Transmission	Graders	1	10.00	174	0.41
Access road Transmission	Off-Highway Trucks	1	10.00	250	0.38
Access road Transmission	Rubber Tired Dozers	1	10.00	255	0.40
Access road Transmission	Scrapers	2	0.00	361	0.48
Access road Transmission	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Material Haul Transmission	Cranes	2	10.00	226	0.29
Material Haul Transmission	Excavators	2	0.00	162	0.38
Material Haul Transmission	Graders	1	0.00	174	0.41
Material Haul Transmission	Off-Highway Trucks	1	10.00	400	0.38
Material Haul Transmission	Rough Terrain Forklifts	1	10.00	100	0.40
Material Haul Transmission	Rubber Tired Dozers	1	0.00	255	0.40
Material Haul Transmission	Scrapers	2	0.00	361	0.48
Material Haul Transmission	Tractors/Loaders/Backhoes	2	0.00	97	0.37

Lassen Substation Grading	Excavators	2	0.00	162	0.38
Lassen Substation Grading	Graders	1	0.00	174	0.41
Lassen Substation Grading	Off-Highway Trucks	2	10.00	400	0.38
Lassen Substation Grading	Off-Highway Trucks	1	10.00	250	0.38
Lassen Substation Grading	Rubber Tired Dozers	1	10.00	255	0.40
Lassen Substation Grading	Scrapers	2	0.00	361	0.48
Lassen Substation Grading	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Material Haul	Air Compressors	1	0.00	78	0.48
Material Haul	Cranes	2	10.00	226	0.29
Material Haul	Excavators	2	0.00	162	0.38
Material Haul	Graders	1	0.00	174	0.41
Material Haul	Off-Highway Trucks	1	10.00	400	0.38
Material Haul	Rough Terrain Forklifts	1	10.00	100	0.40
Material Haul	Rubber Tired Dozers	1	0.00	255	0.40
Material Haul	Scrapers	2	0.00	361	0.48
Material Haul	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Access Road Construction	Excavators	2	0.00	162	0.38
Access Road Construction	Graders	1	10.00	174	0.41
Access Road Construction	Off-Highway Trucks	1	10.00	250	0.38
Access Road Construction	Rubber Tired Dozers	1	10.00	255	0.40
Access Road Construction	Scrapers	2	0.00	361	0.48
Access Road Construction	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Auger Holes, Direct Embed Poles	Bore/Drill Rigs	1	10.00	205	0.50
Auger Holes, Direct Embed Poles	Off-Highway Trucks	1	10.00	250	0.38
Auger Holes, Direct Embed Poles	Off-Highway Trucks	1	10.00	250	0.38
Auger Holes, Direct Embed Poles	Pumps	1	10.00	84	0.74
Structure Assembly and Installation	Cranes	1	0.00	226	0.29
Structure Assembly and Installation	Forklifts	3	0.00	89	0.20
Structure Assembly and Installation	Generator Sets	1	0.00	84	0.74
Structure Assembly and Installation	Off-Highway Trucks	3	10.00	400	0.38

Structure Assembly and Installation	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Structure Assembly and Installation	Welders	1	0.00	46	0.45
Concrete Placement and Formwork	Excavators	2	0.00	162	0.38
Concrete Placement and Formwork	Graders	1	0.00	174	0.41
Concrete Placement and Formwork	Off-Highway Trucks	1	10.00	400	0.38
Concrete Placement and Formwork	Off-Highway Trucks	1	10.00	400	0.38
Concrete Placement and Formwork	Pavers	2	0.00	125	0.42
Concrete Placement and Formwork	Paving Equipment	2	0.00	130	0.36
Concrete Placement and Formwork	Rollers	2	0.00	80	0.38
Concrete Placement and Formwork	Rubber Tired Dozers	1	0.00	255	0.40
Concrete Placement and Formwork	Scrapers	2	0.00	361	0.48
Concrete Placement and Formwork	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Distribution Line Underground	Excavators	1	10.00	162	0.38
Distribution Line Underground	Graders	1	0.00	174	0.41
Distribution Line Underground	Rubber Tired Dozers	1	0.00	255	0.40
Distribution Line Underground	Scrapers	2	0.00	361	0.48
Distribution Line Underground	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Distribution Line Underground I5	Bore/Drill Rigs	1	10.00	205	0.50
Distribution Line Underground I5	Excavators	2	0.00	162	0.38
Distribution Line Underground I5	Graders	1	0.00	174	0.41
Distribution Line Underground I5	Off-Highway Trucks	1	10.00	400	0.38
Distribution Line Underground I5	Rubber Tired Dozers	1	0.00	255	0.40
Distribution Line Underground I5	Scrapers	2	0.00	361	0.48
Distribution Line Underground I5	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Steel Installation	Cranes	1	10.00	226	0.29
Steel Installation	Forklifts	1	10.00	89	0.20
Steel Installation	Generator Sets	1	0.00	84	0.74
Steel Installation	Off-Highway Trucks	1	10.00	400	0.38
Steel Installation	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Steel Installation	Welders	1	0.00	46	0.45

Structure Erection	Cranes	1	0.00	226	0.29
Structure Erection	Forklifts	3	0.00	89	0.20
Structure Erection	Generator Sets	1	0.00	84	0.74
Structure Erection	Off-Highway Trucks	3	10.00	400	0.38
Structure Erection	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Structure Erection	Welders	1	0.00	46	0.45
Equipment Installation	Aerial Lifts	1	10.00	62	0.31
Equipment Installation	Cranes	1	10.00	226	0.29
Equipment Installation	Forklifts	1	10.00	89	0.20
Equipment Installation	Generator Sets	1	0.00	84	0.74
Equipment Installation	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Equipment Installation	Welders	1	0.00	46	0.45
Equipment Removal	Concrete/Industrial Saws	1	0.00	81	0.73
Equipment Removal	Cranes	1	10.00	226	0.29
Equipment Removal	Excavators	3	0.00	162	0.38
Equipment Removal	Off-Highway Trucks	1	10.00	400	0.38
Equipment Removal	Rough Terrain Forklifts	1	10.00	100	0.40
Equipment Removal	Rubber Tired Dozers	2	0.00	255	0.40
Bus Work	Aerial Lifts	1	10.00	62	0.31
Bus Work	Cranes	1	10.00	226	0.29
Bus Work	Forklifts	3	0.00	89	0.20
Bus Work	Generator Sets	1	0.00	84	0.74
Bus Work	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Bus Work	Welders	1	10.00	46	0.45
Wire Installation	Cranes	1	10.00	226	0.29
Wire Installation	Crawler Tractors	1	10.00	208	0.43
Wire Installation	Forklifts	3	0.00	89	0.20
Wire Installation	Generator Sets	1	0.00	84	0.74
Wire Installation	Off-Highway Trucks	3	10.00	400	0.38
Wire Installation	Other Construction Equipment	1	10.00	171	0.42

Wire Installation	Other Construction Equipment	2	10.00	171	0.42
Wire Installation	Other Construction Equipment	1	10.00	171	0.42
Wire Installation	Other Construction Equipment	1	10.00	171	0.42
Wire Installation	Other Construction Equipment	1	10.00	171	0.42
Wire Installation	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Wire Installation	Welders	1	0.00	46	0.45
Testing and Energization	Cranes	1	0.00	226	0.29
Testing and Energization	Forklifts	3	0.00	89	0.20
Testing and Energization	Generator Sets	1	0.00	84	0.74
Testing and Energization	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Testing and Energization	Welders	1	0.00	46	0.45
Foundation Removal	Concrete/Industrial Saws	1	0.00	81	0.73
Foundation Removal	Excavators	3	0.00	162	0.38
Foundation Removal	Off-Highway Trucks	2	10.00	400	0.38
Foundation Removal	Rubber Tired Dozers	2	0.00	255	0.40
Foundation Removal	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Right-of-way Restoration and Cleanup	Off-Highway Trucks	1	10.00	400	0.38
Right-of-way Restoration and Cleanup	Rubber Tired Dozers	1	10.00	255	0.40
Right-of-way Restoration and Cleanup	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Right-of-way Restoration and Cleanup Transmission	Off-Highway Trucks	1	10.00	400	0.38
Right-of-way Restoration and Cleanup Transmission	Rubber Tired Dozers	1	10.00	255	0.40
Right-of-way Restoration and Cleanup Transmission	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Fencing	Cranes	1	0.00	226	0.29
Fencing	Forklifts	3	0.00	89	0.20
Fencing	Generator Sets	1	0.00	84	0.74
Fencing	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Fencing	Welders	1	0.00	46	0.45
Marshalling Yard	Rubber Tired Dozers	3	0.00	255	0.40
Marshalling Yard	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Grading	Excavators	2	0.00	162	0.38

Grading	Graders	1	0.00	174	0.41
Grading	Off-Highway Trucks	1	10.00	400	0.38
Grading	Rubber Tired Dozers	1	10.00	255	0.40
Grading	Scrapers	2	0.00	361	0.48
Grading	Tractors/Loaders/Backhoes	1	10.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Construction Management	12	2.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Survey	13	6.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Construction Management	7	2.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Survey Transmission	7	6.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	7	8.00	1.00	9.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Access road Transmission	9	4.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Material Haul Transmission	12	6.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Lassen Substation Grading	10	10.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Material Haul	13	6.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Access Road Construction	9	6.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Auger Holes, Direct Embed Poles	4	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Structure Assembly and Installation	12	10.00	99.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Concrete Placement and Formwork	16	10.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Line Underground	6	16.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Line Underground I5	10	16.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Steel Installation	8	10.00	99.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Structure Erection	12	10.00	99.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Equipment Installation	8	8.00	99.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Equipment Removal	9	8.00	0.00	99.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Bus Work	10	8.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Wire Installation	19	16.00	101.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

Testing and Energization	9	4.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Foundation Removal	10	8.00	0.00	99.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Right-of-way Restoration and	6	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Right-of-way Restoration and	6	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Fencing	9	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Marshalling Yard	7	4.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Construction Management - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.8000e-004	2.7400e-003	8.4000e-003	1.0000e-005	1.8000e-004	6.0000e-005	2.4000e-004	5.0000e-005	5.0000e-005	1.0000e-004	0.0000	0.6071	0.6071	1.0000e-005	0.0000	0.6073
Worker	6.2000e-004	9.1000e-004	8.8000e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.7843	0.7843	6.0000e-005	0.0000	0.7857
Total	**1.4000e-003**	**3.6500e-003**	**0.0172**	**2.0000e-005**	**9.7000e-004**	**7.0000e-005**	**1.0400e-003**	**2.6000e-004**	**6.0000e-005**	**3.2000e-004**	**0.0000**	**1.3915**	**1.3915**	**7.0000e-005**	**0.0000**	**1.3929**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.8000e-004	2.7400e-003	8.4000e-003	1.0000e-005	1.8000e-004	6.0000e-005	2.4000e-004	5.0000e-005	5.0000e-005	1.0000e-004	0.0000	0.6071	0.6071	1.0000e-005	0.0000	0.6073
Worker	6.2000e-004	9.1000e-004	8.8000e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.7843	0.7843	6.0000e-005	0.0000	0.7857

Total	**1.4000e-003**	**3.6500e-003**	**0.0172**	**2.0000e-005**	**9.7000e-004**	**7.0000e-005**	**1.0400e-003**	**2.6000e-004**	**6.0000e-005**	**3.2000e-004**	**0.0000**	**1.3915**	**1.3915**	**7.0000e-005**	**0.0000**	**1.3929**

3.2 Construction Management - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9300e-003	7.2000e-003	0.0228	2.0000e-005	5.5000e-004	1.4000e-004	6.8000e-004	1.5000e-004	1.2000e-004	2.8000e-004	0.0000	1.7899	1.7899	2.0000e-005	0.0000	1.7902
Worker	1.5700e-003	2.3800e-003	0.0227	3.0000e-005	2.3800e-003	3.0000e-005	2.4100e-003	6.3000e-004	3.0000e-005	6.6000e-004	0.0000	2.2591	2.2591	1.7000e-004	0.0000	2.2626
Total	**3.5000e-003**	**9.5800e-003**	**0.0455**	**5.0000e-005**	**2.9300e-003**	**1.7000e-004**	**3.0900e-003**	**7.8000e-004**	**1.5000e-004**	**9.4000e-004**	**0.0000**	**4.0490**	**4.0490**	**1.9000e-004**	**0.0000**	**4.0528**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9300e-003	7.2000e-003	0.0228	2.0000e-005	5.5000e-004	1.4000e-004	6.8000e-004	1.5000e-004	1.2000e-004	2.8000e-004	0.0000	1.7899	1.7899	2.0000e-005	0.0000	1.7902
Worker	1.5700e-003	2.3800e-003	0.0227	3.0000e-005	2.3800e-003	3.0000e-005	2.4100e-003	6.3000e-004	3.0000e-005	6.6000e-004	0.0000	2.2591	2.2591	1.7000e-004	0.0000	2.2626
Total	**3.5000e-003**	**9.5800e-003**	**0.0455**	**5.0000e-005**	**2.9300e-003**	**1.7000e-004**	**3.0900e-003**	**7.8000e-004**	**1.5000e-004**	**9.4000e-004**	**0.0000**	**4.0490**	**4.0490**	**1.9000e-004**	**0.0000**	**4.0528**

3.3 Survey - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.8000e-004	1.1600e-003	0.0000	3.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	0.0841	0.0841	0.0000	0.0000	0.0841
Worker	2.6000e-004	3.8000e-004	3.6500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3258	0.3258	3.0000e-005	0.0000	0.3264
Total	**3.7000e-004**	**7.6000e-004**	**4.8100e-003**	**0.0000**	**3.6000e-004**	**1.0000e-005**	**3.6000e-004**	**1.0000e-004**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**0.4099**	**0.4099**	**3.0000e-005**	**0.0000**	**0.4104**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.8000e-004	1.1600e-003	0.0000	3.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	0.0841	0.0841	0.0000	0.0000	0.0841
Worker	2.6000e-004	3.8000e-004	3.6500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3258	0.3258	3.0000e-005	0.0000	0.3264
Total	**3.7000e-004**	**7.6000e-004**	**4.8100e-003**	**0.0000**	**3.6000e-004**	**1.0000e-005**	**3.6000e-004**	**1.0000e-004**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**0.4099**	**0.4099**	**3.0000e-005**	**0.0000**	**0.4104**

3.4 Construction Management Transmission - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.8000e-004	2.7400e-003	8.4000e-003	1.0000e-005	1.8000e-004	6.0000e-005	2.4000e-004	5.0000e-005	5.0000e-005	1.0000e-004	0.0000	0.6071	0.6071	1.0000e-005	0.0000	0.6073
Worker	6.2000e-004	9.1000e-004	8.8000e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.7843	0.7843	6.0000e-005	0.0000	0.7857
Total	**1.4000e-003**	**3.6500e-003**	**0.0172**	**2.0000e-005**	**9.7000e-004**	**7.0000e-005**	**1.0400e-003**	**2.6000e-004**	**6.0000e-005**	**3.2000e-004**	**0.0000**	**1.3915**	**1.3915**	**7.0000e-005**	**0.0000**	**1.3929**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.8000e-004	2.7400e-003	8.4000e-003	1.0000e-005	1.8000e-004	6.0000e-005	2.4000e-004	5.0000e-005	5.0000e-005	1.0000e-004	0.0000	0.6071	0.6071	1.0000e-005	0.0000	0.6073
Worker	6.2000e-004	9.1000e-004	8.8000e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.7843	0.7843	6.0000e-005	0.0000	0.7857

Total	**1.4000e-003**	**3.6500e-003**	**0.0172**	**2.0000e-005**	**9.7000e-004**	**7.0000e-005**	**1.0400e-003**	**2.6000e-004**	**6.0000e-005**	**3.2000e-004**	**0.0000**	**1.3915**	**1.3915**	**7.0000e-005**	**0.0000**	**1.3929**

3.4 Construction Management Transmission - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9300e-003	7.2000e-003	0.0228	2.0000e-005	5.5000e-004	1.4000e-004	6.8000e-004	1.5000e-004	1.2000e-004	2.8000e-004	0.0000	1.7899	1.7899	2.0000e-005	0.0000	1.7902
Worker	1.5700e-003	2.3800e-003	0.0227	3.0000e-005	2.3800e-003	3.0000e-005	2.4100e-003	6.3000e-004	3.0000e-005	6.6000e-004	0.0000	2.2591	2.2591	1.7000e-004	0.0000	2.2626
Total	**3.5000e-003**	**9.5800e-003**	**0.0455**	**5.0000e-005**	**2.9300e-003**	**1.7000e-004**	**3.0900e-003**	**7.8000e-004**	**1.5000e-004**	**9.4000e-004**	**0.0000**	**4.0490**	**4.0490**	**1.9000e-004**	**0.0000**	**4.0528**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9300e-003	7.2000e-003	0.0228	2.0000e-005	5.5000e-004	1.4000e-004	6.8000e-004	1.5000e-004	1.2000e-004	2.8000e-004	0.0000	1.7899	1.7899	2.0000e-005	0.0000	1.7902
Worker	1.5700e-003	2.3800e-003	0.0227	3.0000e-005	2.3800e-003	3.0000e-005	2.4100e-003	6.3000e-004	3.0000e-005	6.6000e-004	0.0000	2.2591	2.2591	1.7000e-004	0.0000	2.2626
Total	**3.5000e-003**	**9.5800e-003**	**0.0455**	**5.0000e-005**	**2.9300e-003**	**1.7000e-004**	**3.0900e-003**	**7.8000e-004**	**1.5000e-004**	**9.4000e-004**	**0.0000**	**4.0490**	**4.0490**	**1.9000e-004**	**0.0000**	**4.0528**

3.5 Survey Transmission - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.8000e-004	1.1600e-003	0.0000	3.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	0.0841	0.0841	0.0000	0.0000	0.0841
Worker	2.6000e-004	3.8000e-004	3.6500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3258	0.3258	3.0000e-005	0.0000	0.3264
Total	**3.7000e-004**	**7.6000e-004**	**4.8100e-003**	**0.0000**	**3.6000e-004**	**1.0000e-005**	**3.6000e-004**	**1.0000e-004**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**0.4099**	**0.4099**	**3.0000e-005**	**0.0000**	**0.4104**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.8000e-004	1.1600e-003	0.0000	3.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	0.0841	0.0841	0.0000	0.0000	0.0841
Worker	2.6000e-004	3.8000e-004	3.6500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3258	0.3258	3.0000e-005	0.0000	0.3264
Total	**3.7000e-004**	**7.6000e-004**	**4.8100e-003**	**0.0000**	**3.6000e-004**	**1.0000e-005**	**3.6000e-004**	**1.0000e-004**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**0.4099**	**0.4099**	**3.0000e-005**	**0.0000**	**0.4104**

3.6 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0300e-003	0.0000	1.0300e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.3345	0.1536	3.7000e-004		0.0132	0.0132		0.0121	0.0121	0.0000	34.7333	34.7333	0.0105	0.0000	34.9533
Total	**0.0279**	**0.3345**	**0.1536**	**3.7000e-004**	**1.0300e-003**	**0.0132**	**0.0142**	**1.6000e-004**	**0.0121**	**0.0123**	**0.0000**	**34.7333**	**34.7333**	**0.0105**	**0.0000**	**34.9533**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	1.7000e-004	1.0600e-003	1.8200e-003	0.0000	8.0000e-005	2.0000e-005	1.0000e-004	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.3054	0.3054	0.0000	0.0000	0.3055
Vendor	1.8000e-004	6.3000e-004	1.9400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1401	0.1401	0.0000	0.0000	0.1401
Worker	5.7000e-004	8.4000e-004	8.1200e-003	1.0000e-005	7.3000e-004	1.0000e-005	7.4000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.7240	0.7240	6.0000e-005	0.0000	0.7252
Total	**9.2000e-004**	**2.5300e-003**	**0.0119**	**1.0000e-005**	**8.5000e-004**	**4.0000e-005**	**8.9000e-004**	**2.3000e-004**	**4.0000e-005**	**2.6000e-004**	**0.0000**	**1.1696**	**1.1696**	**6.0000e-005**	**0.0000**	**1.1709**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.0000e-004	0.0000	4.0000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.3345	0.1536	3.7000e-004		0.0132	0.0132		0.0121	0.0121	0.0000	34.7332	34.7332	0.0105	0.0000	34.9533
Total	**0.0279**	**0.3345**	**0.1536**	**3.7000e-004**	**4.0000e-004**	**0.0132**	**0.0136**	**6.0000e-005**	**0.0121**	**0.0122**	**0.0000**	**34.7332**	**34.7332**	**0.0105**	**0.0000**	**34.9533**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-004	1.0600e-003	1.8200e-003	0.0000	8.0000e-005	2.0000e-005	1.0000e-004	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.3054	0.3054	0.0000	0.0000	0.3055
Vendor	1.8000e-004	6.3000e-004	1.9400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1401	0.1401	0.0000	0.0000	0.1401
Worker	5.7000e-004	8.4000e-004	8.1200e-003	1.0000e-005	7.3000e-004	1.0000e-005	7.4000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.7240	0.7240	6.0000e-005	0.0000	0.7252

Total	**9.2000e-004**	**2.5300e-003**	**0.0119**	**1.0000e-005**	**8.5000e-004**	**4.0000e-005**	**8.9000e-004**	**2.3000e-004**	**4.0000e-005**	**2.6000e-004**	**0.0000**	**1.1696**	**1.1696**	**6.0000e-005**	**0.0000**	**1.1709**

3.7 Access road Transmission - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2414	0.0000	0.2414	0.1308	0.0000	0.1308	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1051	1.1318	0.6464	8.1000e-004		0.0552	0.0552		0.0508	0.0508	0.0000	76.6715	76.6715	0.0231	0.0000	77.1572
Total	**0.1051**	**1.1318**	**0.6464**	**8.1000e-004**	**0.2414**	**0.0552**	**0.2965**	**0.1308**	**0.0508**	**0.1816**	**0.0000**	**76.6715**	**76.6715**	**0.0231**	**0.0000**	**77.1572**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.7000e-004	2.3600e-003	7.2300e-003	1.0000e-005	1.6000e-004	5.0000e-005	2.1000e-004	4.0000e-005	4.0000e-005	9.0000e-005	0.0000	0.5231	0.5231	1.0000e-005	0.0000	0.5232
Worker	1.0700e-003	1.5600e-003	0.0152	2.0000e-005	1.3700e-003	2.0000e-005	1.3900e-003	3.6000e-004	2.0000e-005	3.8000e-004	0.0000	1.3515	1.3515	1.1000e-004	0.0000	1.3537
Total	**1.7400e-003**	**3.9200e-003**	**0.0224**	**3.0000e-005**	**1.5300e-003**	**7.0000e-005**	**1.6000e-003**	**4.0000e-004**	**6.0000e-005**	**4.7000e-004**	**0.0000**	**1.8746**	**1.8746**	**1.2000e-004**	**0.0000**	**1.8769**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0941	0.0000	0.0941	0.0510	0.0000	0.0510	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1051	1.1318	0.6464	8.1000e-004		0.0552	0.0552		0.0508	0.0508	0.0000	76.6714	76.6714	0.0231	0.0000	77.1571
Total	**0.1051**	**1.1318**	**0.6464**	**8.1000e-004**	**0.0941**	**0.0552**	**0.1493**	**0.0510**	**0.0508**	**0.1018**	**0.0000**	**76.6714**	**76.6714**	**0.0231**	**0.0000**	**77.1571**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.7000e-004	2.3600e-003	7.2300e-003	1.0000e-005	1.6000e-004	5.0000e-005	2.1000e-004	4.0000e-005	4.0000e-005	9.0000e-005	0.0000	0.5231	0.5231	1.0000e-005	0.0000	0.5232
Worker	1.0700e-003	1.5600e-003	0.0152	2.0000e-005	1.3700e-003	2.0000e-005	1.3900e-003	3.6000e-004	2.0000e-005	3.8000e-004	0.0000	1.3515	1.3515	1.1000e-004	0.0000	1.3537
Total	**1.7400e-003**	**3.9200e-003**	**0.0224**	**3.0000e-005**	**1.5300e-003**	**7.0000e-005**	**1.6000e-003**	**4.0000e-004**	**6.0000e-005**	**4.7000e-004**	**0.0000**	**1.8746**	**1.8746**	**1.2000e-004**	**0.0000**	**1.8769**

3.7 Access road Transmission - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.2414	0.0000	0.2414	0.1308	0.0000	0.1308	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1319	0.0775	1.0000e-004		6.4300e-003	6.4300e-003		5.9200e-003	5.9200e-003	0.0000	9.4327	9.4327	2.8900e-003	0.0000	9.4934
Total	**0.0124**	**0.1319**	**0.0775**	**1.0000e-004**	**0.2414**	**6.4300e-003**	**0.2478**	**0.1308**	**5.9200e-003**	**0.1367**	**0.0000**	**9.4327**	**9.4327**	**2.8900e-003**	**0.0000**	**9.4934**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.6000e-004	8.2000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0643	0.0643	0.0000	0.0000	0.0643
Worker	1.1000e-004	1.7000e-004	1.6300e-003	0.0000	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1622	0.1622	1.0000e-005	0.0000	0.1625
Total	**1.8000e-004**	**4.3000e-004**	**2.4500e-003**	**0.0000**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.2264**	**0.2264**	**1.0000e-005**	**0.0000**	**0.2267**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0941	0.0000	0.0941	0.0510	0.0000	0.0510	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1319	0.0775	1.0000e-004		6.4300e-003	6.4300e-003		5.9200e-003	5.9200e-003	0.0000	9.4327	9.4327	2.8900e-003	0.0000	9.4934
Total	**0.0124**	**0.1319**	**0.0775**	**1.0000e-004**	**0.0941**	**6.4300e-003**	**0.1006**	**0.0510**	**5.9200e-003**	**0.0569**	**0.0000**	**9.4327**	**9.4327**	**2.8900e-003**	**0.0000**	**9.4934**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.6000e-004	8.2000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0643	0.0643	0.0000	0.0000	0.0643
Worker	1.1000e-004	1.7000e-004	1.6300e-003	0.0000	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1622	0.1622	1.0000e-005	0.0000	0.1625
Total	**1.8000e-004**	**4.3000e-004**	**2.4500e-003**	**0.0000**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.2264**	**0.2264**	**1.0000e-005**	**0.0000**	**0.2267**

3.8 Material Haul Transmission - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.2400e-003	0.0000	4.2400e-003	4.6000e-004	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0908	1.0718	0.4683	9.8000e-004		0.0467	0.0467		0.0430	0.0430	0.0000	91.9852	91.9852	0.0278	0.0000	92.5679
Total	**0.0908**	**1.0718**	**0.4683**	**9.8000e-004**	**4.2400e-003**	**0.0467**	**0.0509**	**4.6000e-004**	**0.0430**	**0.0434**	**0.0000**	**91.9852**	**91.9852**	**0.0278**	**0.0000**	**92.5679**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-003	2.3400e-003	0.0227	3.0000e-005	2.0500e-003	3.0000e-005	2.0800e-003	5.5000e-004	2.0000e-005	5.7000e-004	0.0000	2.0272	2.0272	1.6000e-004	0.0000	2.0306
Total	**1.6000e-003**	**2.3400e-003**	**0.0227**	**3.0000e-005**	**2.0500e-003**	**3.0000e-005**	**2.0800e-003**	**5.5000e-004**	**2.0000e-005**	**5.7000e-004**	**0.0000**	**2.0272**	**2.0272**	**1.6000e-004**	**0.0000**	**2.0306**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.6500e-003	0.0000	1.6500e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0908	1.0718	0.4683	9.8000e-004		0.0467	0.0467		0.0430	0.0430	0.0000	91.9851	91.9851	0.0278	0.0000	92.5678
Total	**0.0908**	**1.0718**	**0.4683**	**9.8000e-004**	**1.6500e-003**	**0.0467**	**0.0483**	**1.8000e-004**	**0.0430**	**0.0431**	**0.0000**	**91.9851**	**91.9851**	**0.0278**	**0.0000**	**92.5678**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-003	2.3400e-003	0.0227	3.0000e-005	2.0500e-003	3.0000e-005	2.0800e-003	5.5000e-004	2.0000e-005	5.7000e-004	0.0000	2.0272	2.0272	1.6000e-004	0.0000	2.0306

Total	**1.6000e-003**	**2.3400e-003**	**0.0227**	**3.0000e-005**	**2.0500e-003**	**3.0000e-005**	**2.0800e-003**	**5.5000e-004**	**2.0000e-005**	**5.7000e-004**	**0.0000**	**2.0272**	**2.0272**	**1.6000e-004**	**0.0000**	**2.0306**

3.8 Material Haul Transmission - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.2400e-003	0.0000	4.2400e-003	4.6000e-004	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1209	0.0549	1.2000e-004		5.1600e-003	5.1600e-003		4.7500e-003	4.7500e-003	0.0000	11.3150	11.3150	3.4700e-003	0.0000	11.3878
Total	**0.0103**	**0.1209**	**0.0549**	**1.2000e-004**	**4.2400e-003**	**5.1600e-003**	**9.4000e-003**	**4.6000e-004**	**4.7500e-003**	**5.2100e-003**	**0.0000**	**11.3150**	**11.3150**	**3.4700e-003**	**0.0000**	**11.3878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.6000e-004	2.4400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2433	0.2433	2.0000e-005	0.0000	0.2437
Total	**1.7000e-004**	**2.6000e-004**	**2.4400e-003**	**0.0000**	**2.6000e-004**	**0.0000**	**2.6000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2433**	**0.2433**	**2.0000e-005**	**0.0000**	**0.2437**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.6500e-003	0.0000	1.6500e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1209	0.0549	1.2000e-004		5.1600e-003	5.1600e-003		4.7500e-003	4.7500e-003	0.0000	11.3150	11.3150	3.4700e-003	0.0000	11.3878
Total	**0.0103**	**0.1209**	**0.0549**	**1.2000e-004**	**1.6500e-003**	**5.1600e-003**	**6.8100e-003**	**1.8000e-004**	**4.7500e-003**	**4.9300e-003**	**0.0000**	**11.3150**	**11.3150**	**3.4700e-003**	**0.0000**	**11.3878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.6000e-004	2.4400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2433	0.2433	2.0000e-005	0.0000	0.2437
Total	**1.7000e-004**	**2.6000e-004**	**2.4400e-003**	**0.0000**	**2.6000e-004**	**0.0000**	**2.6000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2433**	**0.2433**	**2.0000e-005**	**0.0000**	**0.2437**

3.9 Lassen Substation Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.1831	0.0000	0.1831	0.0996	0.0000	0.0996	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1079	1.2022	0.6678	1.1900e-003		0.0529	0.0529		0.0486	0.0486	0.0000	112.1114	112.1114	0.0338	0.0000	112.8215
Total	**0.1079**	**1.2022**	**0.6678**	**1.1900e-003**	**0.1831**	**0.0529**	**0.2359**	**0.0996**	**0.0486**	**0.1482**	**0.0000**	**112.1114**	**112.1114**	**0.0338**	**0.0000**	**112.8215**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9000e-004	1.7300e-003	5.3000e-003	0.0000	1.1000e-004	4.0000e-005	1.5000e-004	3.0000e-005	3.0000e-005	6.0000e-005	0.0000	0.3830	0.3830	0.0000	0.0000	0.3830
Worker	1.9500e-003	2.8600e-003	0.0278	3.0000e-005	2.5000e-003	3.0000e-005	2.5400e-003	6.7000e-004	3.0000e-005	7.0000e-004	0.0000	2.4737	2.4737	2.0000e-004	0.0000	2.4778
Total	**2.4400e-003**	**4.5900e-003**	**0.0331**	**3.0000e-005**	**2.6100e-003**	**7.0000e-005**	**2.6900e-003**	**7.0000e-004**	**6.0000e-005**	**7.6000e-004**	**0.0000**	**2.8567**	**2.8567**	**2.0000e-004**	**0.0000**	**2.8609**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0714	0.0000	0.0714	0.0388	0.0000	0.0388	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1079	1.2022	0.6678	1.1900e-003		0.0529	0.0529		0.0486	0.0486	0.0000	112.1113	112.1113	0.0338	0.0000	112.8214
Total	**0.1079**	**1.2022**	**0.6678**	**1.1900e-003**	**0.0714**	**0.0529**	**0.1243**	**0.0388**	**0.0486**	**0.0875**	**0.0000**	**112.1113**	**112.1113**	**0.0338**	**0.0000**	**112.8214**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9000e-004	1.7300e-003	5.3000e-003	0.0000	1.1000e-004	4.0000e-005	1.5000e-004	3.0000e-005	3.0000e-005	6.0000e-005	0.0000	0.3830	0.3830	0.0000	0.0000	0.3830
Worker	1.9500e-003	2.8600e-003	0.0278	3.0000e-005	2.5000e-003	3.0000e-005	2.5400e-003	6.7000e-004	3.0000e-005	7.0000e-004	0.0000	2.4737	2.4737	2.0000e-004	0.0000	2.4778
Total	**2.4400e-003**	**4.5900e-003**	**0.0331**	**3.0000e-005**	**2.6100e-003**	**7.0000e-005**	**2.6900e-003**	**7.0000e-004**	**6.0000e-005**	**7.6000e-004**	**0.0000**	**2.8567**	**2.8567**	**2.0000e-004**	**0.0000**	**2.8609**

3.9 Lassen Substation Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1831	0.0000	0.1831	0.0996	0.0000	0.0996	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.1891	0.1078	2.0000e-004		8.2600e-003	8.2600e-003		7.6000e-003	7.6000e-003	0.0000	18.8359	18.8359	5.7700e-003	0.0000	18.9571
Total	**0.0173**	**0.1891**	**0.1078**	**2.0000e-004**	**0.1831**	**8.2600e-003**	**0.1913**	**0.0996**	**7.6000e-003**	**0.1072**	**0.0000**	**18.8359**	**18.8359**	**5.7700e-003**	**0.0000**	**18.9571**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.6000e-004	8.2000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0643	0.0643	0.0000	0.0000	0.0643
Worker	2.8000e-004	4.3000e-004	4.0700e-003	1.0000e-005	4.3000e-004	1.0000e-005	4.3000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.4055	0.4055	3.0000e-005	0.0000	0.4061
Total	**3.5000e-004**	**6.9000e-004**	**4.8900e-003**	**1.0000e-005**	**4.5000e-004**	**1.0000e-005**	**4.5000e-004**	**1.2000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4697**	**0.4697**	**3.0000e-005**	**0.0000**	**0.4704**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0714	0.0000	0.0714	0.0388	0.0000	0.0388	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.1891	0.1078	2.0000e-004		8.2600e-003	8.2600e-003		7.6000e-003	7.6000e-003	0.0000	18.8359	18.8359	5.7700e-003	0.0000	18.9571
Total	**0.0173**	**0.1891**	**0.1078**	**2.0000e-004**	**0.0714**	**8.2600e-003**	**0.0797**	**0.0388**	**7.6000e-003**	**0.0464**	**0.0000**	**18.8359**	**18.8359**	**5.7700e-003**	**0.0000**	**18.9571**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.6000e-004	8.2000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0643	0.0643	0.0000	0.0000	0.0643
Worker	2.8000e-004	4.3000e-004	4.0700e-003	1.0000e-005	4.3000e-004	1.0000e-005	4.3000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.4055	0.4055	3.0000e-005	0.0000	0.4061

Total	**3.5000e-004**	**6.9000e-004**	**4.8900e-003**	**1.0000e-005**	**4.5000e-004**	**1.0000e-005**	**4.5000e-004**	**1.2000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4697**	**0.4697**	**3.0000e-005**	**0.0000**	**0.4704**

3.10 Material Haul - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0665	0.7847	0.3429	7.1000e-004		0.0342	0.0342		0.0315	0.0315	0.0000	67.3463	67.3463	0.0203	0.0000	67.7729
Total	**0.0665**	**0.7847**	**0.3429**	**7.1000e-004**	**2.3900e-003**	**0.0342**	**0.0366**	**2.6000e-004**	**0.0315**	**0.0317**	**0.0000**	**67.3463**	**67.3463**	**0.0203**	**0.0000**	**67.7729**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1700e-003	1.7200e-003	0.0167	2.0000e-005	1.5000e-003	2.0000e-005	1.5200e-003	4.0000e-004	2.0000e-005	4.2000e-004	0.0000	1.4842	1.4842	1.2000e-004	0.0000	1.4867
Total	**1.1700e-003**	**1.7200e-003**	**0.0167**	**2.0000e-005**	**1.5000e-003**	**2.0000e-005**	**1.5200e-003**	**4.0000e-004**	**2.0000e-005**	**4.2000e-004**	**0.0000**	**1.4842**	**1.4842**	**1.2000e-004**	**0.0000**	**1.4867**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.3000e-004	0.0000	9.3000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0665	0.7847	0.3429	7.1000e-004		0.0342	0.0342		0.0315	0.0315	0.0000	67.3462	67.3462	0.0203	0.0000	67.7728
Total	**0.0665**	**0.7847**	**0.3429**	**7.1000e-004**	**9.3000e-004**	**0.0342**	**0.0351**	**1.0000e-004**	**0.0315**	**0.0316**	**0.0000**	**67.3462**	**67.3462**	**0.0203**	**0.0000**	**67.7728**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1700e-003	1.7200e-003	0.0167	2.0000e-005	1.5000e-003	2.0000e-005	1.5200e-003	4.0000e-004	2.0000e-005	4.2000e-004	0.0000	1.4842	1.4842	1.2000e-004	0.0000	1.4867
Total	**1.1700e-003**	**1.7200e-003**	**0.0167**	**2.0000e-005**	**1.5000e-003**	**2.0000e-005**	**1.5200e-003**	**4.0000e-004**	**2.0000e-005**	**4.2000e-004**	**0.0000**	**1.4842**	**1.4842**	**1.2000e-004**	**0.0000**	**1.4867**

3.10 Material Haul - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1209	0.0549	1.2000e-004		5.1600e-003	5.1600e-003		4.7500e-003	4.7500e-003	0.0000	11.3150	11.3150	3.4700e-003	0.0000	11.3878
Total	**0.0103**	**0.1209**	**0.0549**	**1.2000e-004**	**2.3900e-003**	**5.1600e-003**	**7.5500e-003**	**2.6000e-004**	**4.7500e-003**	**5.0100e-003**	**0.0000**	**11.3150**	**11.3150**	**3.4700e-003**	**0.0000**	**11.3878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.6000e-004	2.4400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2433	0.2433	2.0000e-005	0.0000	0.2437
Total	**1.7000e-004**	**2.6000e-004**	**2.4400e-003**	**0.0000**	**2.6000e-004**	**0.0000**	**2.6000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2433**	**0.2433**	**2.0000e-005**	**0.0000**	**0.2437**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.3000e-004	0.0000	9.3000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1209	0.0549	1.2000e-004		5.1600e-003	5.1600e-003		4.7500e-003	4.7500e-003	0.0000	11.3150	11.3150	3.4700e-003	0.0000	11.3878
Total	**0.0103**	**0.1209**	**0.0549**	**1.2000e-004**	**9.3000e-004**	**5.1600e-003**	**6.0900e-003**	**1.0000e-004**	**4.7500e-003**	**4.8500e-003**	**0.0000**	**11.3150**	**11.3150**	**3.4700e-003**	**0.0000**	**11.3878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.6000e-004	2.4400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2433	0.2433	2.0000e-005	0.0000	0.2437
Total	**1.7000e-004**	**2.6000e-004**	**2.4400e-003**	**0.0000**	**2.6000e-004**	**0.0000**	**2.6000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2433**	**0.2433**	**2.0000e-005**	**0.0000**	**0.2437**

3.11 Access Road Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1831	0.0000	0.1831	0.0996	0.0000	0.0996	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0770	0.8287	0.4733	5.9000e-004		0.0404	0.0404		0.0372	0.0372	0.0000	56.1345	56.1345	0.0169	0.0000	56.4901
Total	**0.0770**	**0.8287**	**0.4733**	**5.9000e-004**	**0.1831**	**0.0404**	**0.2235**	**0.0996**	**0.0372**	**0.1367**	**0.0000**	**56.1345**	**56.1345**	**0.0169**	**0.0000**	**56.4901**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9000e-004	1.7300e-003	5.3000e-003	0.0000	1.1000e-004	4.0000e-005	1.5000e-004	3.0000e-005	3.0000e-005	6.0000e-005	0.0000	0.3830	0.3830	0.0000	0.0000	0.3830
Worker	1.1700e-003	1.7200e-003	0.0167	2.0000e-005	1.5000e-003	2.0000e-005	1.5200e-003	4.0000e-004	2.0000e-005	4.2000e-004	0.0000	1.4842	1.4842	1.2000e-004	0.0000	1.4867
Total	**1.6600e-003**	**3.4500e-003**	**0.0220**	**2.0000e-005**	**1.6100e-003**	**6.0000e-005**	**1.6700e-003**	**4.3000e-004**	**5.0000e-005**	**4.8000e-004**	**0.0000**	**1.8672**	**1.8672**	**1.2000e-004**	**0.0000**	**1.8697**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0714	0.0000	0.0714	0.0388	0.0000	0.0388	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0770	0.8286	0.4733	5.9000e-004		0.0404	0.0404		0.0372	0.0372	0.0000	56.1344	56.1344	0.0169	0.0000	56.4900
Total	**0.0770**	**0.8286**	**0.4733**	**5.9000e-004**	**0.0714**	**0.0404**	**0.1118**	**0.0388**	**0.0372**	**0.0760**	**0.0000**	**56.1344**	**56.1344**	**0.0169**	**0.0000**	**56.4900**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9000e-004	1.7300e-003	5.3000e-003	0.0000	1.1000e-004	4.0000e-005	1.5000e-004	3.0000e-005	3.0000e-005	6.0000e-005	0.0000	0.3830	0.3830	0.0000	0.0000	0.3830
Worker	1.1700e-003	1.7200e-003	0.0167	2.0000e-005	1.5000e-003	2.0000e-005	1.5200e-003	4.0000e-004	2.0000e-005	4.2000e-004	0.0000	1.4842	1.4842	1.2000e-004	0.0000	1.4867

Total	**1.6600e-003**	**3.4500e-003**	**0.0220**	**2.0000e-005**	**1.6100e-003**	**6.0000e-005**	**1.6700e-003**	**4.3000e-004**	**5.0000e-005**	**4.8000e-004**	**0.0000**	**1.8672**	**1.8672**	**1.2000e-004**	**0.0000**	**1.8697**

3.11 Access Road Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1831	0.0000	0.1831	0.0996	0.0000	0.0996	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1319	0.0775	1.0000e-004		6.4300e-003	6.4300e-003		5.9200e-003	5.9200e-003	0.0000	9.4327	9.4327	2.8900e-003	0.0000	9.4934
Total	**0.0124**	**0.1319**	**0.0775**	**1.0000e-004**	**0.1831**	**6.4300e-003**	**0.1895**	**0.0996**	**5.9200e-003**	**0.1055**	**0.0000**	**9.4327**	**9.4327**	**2.8900e-003**	**0.0000**	**9.4934**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.6000e-004	8.2000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0643	0.0643	0.0000	0.0000	0.0643
Worker	1.7000e-004	2.6000e-004	2.4400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2433	0.2433	2.0000e-005	0.0000	0.2437
Total	**2.4000e-004**	**5.2000e-004**	**3.2600e-003**	**0.0000**	**2.8000e-004**	**0.0000**	**2.8000e-004**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**0.0000**	**0.3075**	**0.3075**	**2.0000e-005**	**0.0000**	**0.3079**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0714	0.0000	0.0714	0.0388	0.0000	0.0388	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1319	0.0775	1.0000e-004		6.4300e-003	6.4300e-003		5.9200e-003	5.9200e-003	0.0000	9.4327	9.4327	2.8900e-003	0.0000	9.4934
Total	**0.0124**	**0.1319**	**0.0775**	**1.0000e-004**	**0.0714**	**6.4300e-003**	**0.0778**	**0.0388**	**5.9200e-003**	**0.0448**	**0.0000**	**9.4327**	**9.4327**	**2.8900e-003**	**0.0000**	**9.4934**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.6000e-004	8.2000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0643	0.0643	0.0000	0.0000	0.0643
Worker	1.7000e-004	2.6000e-004	2.4400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2433	0.2433	2.0000e-005	0.0000	0.2437
Total	**2.4000e-004**	**5.2000e-004**	**3.2600e-003**	**0.0000**	**2.8000e-004**	**0.0000**	**2.8000e-004**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**0.0000**	**0.3075**	**0.3075**	**2.0000e-005**	**0.0000**	**0.3079**

3.12 Auger Holes, Direct Embed Poles - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0693	0.7118	0.3509	9.5000e-004		0.0323	0.0323		0.0305	0.0305	0.0000	86.3930	86.3930	0.0227	0.0000	86.8705
Total	**0.0693**	**0.7118**	**0.3509**	**9.5000e-004**		**0.0323**	**0.0323**		**0.0305**	**0.0305**	**0.0000**	**86.3930**	**86.3930**	**0.0227**	**0.0000**	**86.8705**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9300e-003	2.9300e-003	0.0279	4.0000e-005	2.9300e-003	4.0000e-005	2.9700e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	2.7805	2.7805	2.0000e-004	0.0000	2.7848
Total	**1.9300e-003**	**2.9300e-003**	**0.0279**	**4.0000e-005**	**2.9300e-003**	**4.0000e-005**	**2.9700e-003**	**7.8000e-004**	**3.0000e-005**	**8.1000e-004**	**0.0000**	**2.7805**	**2.7805**	**2.0000e-004**	**0.0000**	**2.7848**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0693	0.7118	0.3509	9.5000e-004		0.0323	0.0323		0.0305	0.0305	0.0000	86.3929	86.3929	0.0227	0.0000	86.8704
Total	**0.0693**	**0.7118**	**0.3509**	**9.5000e-004**		**0.0323**	**0.0323**		**0.0305**	**0.0305**	**0.0000**	**86.3929**	**86.3929**	**0.0227**	**0.0000**	**86.8704**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9300e-003	2.9300e-003	0.0279	4.0000e-005	2.9300e-003	4.0000e-005	2.9700e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	2.7805	2.7805	2.0000e-004	0.0000	2.7848
Total	**1.9300e-003**	**2.9300e-003**	**0.0279**	**4.0000e-005**	**2.9300e-003**	**4.0000e-005**	**2.9700e-003**	**7.8000e-004**	**3.0000e-005**	**8.1000e-004**	**0.0000**	**2.7805**	**2.7805**	**2.0000e-004**	**0.0000**	**2.7848**

3.13 Structure Assembly and Installation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1570	1.7702	0.8434	2.3700e-003		0.0657	0.0657		0.0605	0.0605	0.0000	219.5090	219.5090	0.0673	0.0000	220.9214
Total	**0.1570**	**1.7702**	**0.8434**	**2.3700e-003**		**0.0657**	**0.0657**		**0.0605**	**0.0605**	**0.0000**	**219.5090**	**219.5090**	**0.0673**	**0.0000**	**220.9214**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0942	0.3507	1.1121	9.9000e-004	0.0266	6.6200e-003	0.0332	7.5100e-003	6.0700e-003	0.0136	0.0000	87.2349	87.2349	7.7000e-004	0.0000	87.2510
Worker	3.8600e-003	5.8700e-003	0.0558	8.0000e-005	5.8600e-003	7.0000e-005	5.9400e-003	1.5600e-003	7.0000e-005	1.6300e-003	0.0000	5.5610	5.5610	4.1000e-004	0.0000	5.5696
Total	**0.0981**	**0.3566**	**1.1679**	**1.0700e-003**	**0.0325**	**6.6900e-003**	**0.0392**	**9.0700e-003**	**6.1400e-003**	**0.0152**	**0.0000**	**92.7958**	**92.7958**	**1.1800e-003**	**0.0000**	**92.8206**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1570	1.7702	0.8434	2.3700e-003		0.0657	0.0657		0.0605	0.0605	0.0000	219.5087	219.5087	0.0673	0.0000	220.9211
Total	**0.1570**	**1.7702**	**0.8434**	**2.3700e-003**		**0.0657**	**0.0657**		**0.0605**	**0.0605**	**0.0000**	**219.5087**	**219.5087**	**0.0673**	**0.0000**	**220.9211**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0942	0.3507	1.1121	9.9000e-004	0.0266	6.6200e-003	0.0332	7.5100e-003	6.0700e-003	0.0136	0.0000	87.2349	87.2349	7.7000e-004	0.0000	87.2510
Worker	3.8600e-003	5.8700e-003	0.0558	8.0000e-005	5.8600e-003	7.0000e-005	5.9400e-003	1.5600e-003	7.0000e-005	1.6300e-003	0.0000	5.5610	5.5610	4.1000e-004	0.0000	5.5696

Total	**0.0981**	**0.3566**	**1.1679**	**1.0700e-003**	**0.0325**	**6.6900e-003**	**0.0392**	**9.0700e-003**	**6.1400e-003**	**0.0152**	**0.0000**	**92.7958**	**92.7958**	**1.1800e-003**	**0.0000**	**92.8206**

3.14 Concrete Placement and Formwork - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0523	0.5901	0.2811	7.9000e-004		0.0219	0.0219		0.0202	0.0202	0.0000	73.1697	73.1697	0.0224	0.0000	73.6405
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0523**	**0.5901**	**0.2811**	**7.9000e-004**		**0.0219**	**0.0219**		**0.0202**	**0.0202**	**0.0000**	**73.1697**	**73.1697**	**0.0224**	**0.0000**	**73.6405**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	1.7700e-003	5.6200e-003	0.0000	1.3000e-004	3.0000e-005	1.7000e-004	4.0000e-005	3.0000e-005	7.0000e-005	0.0000	0.4406	0.4406	0.0000	0.0000	0.4407
Worker	1.9300e-003	2.9300e-003	0.0279	4.0000e-005	2.9300e-003	4.0000e-005	2.9700e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	2.7805	2.7805	2.0000e-004	0.0000	2.7848
Total	**2.4100e-003**	**4.7000e-003**	**0.0335**	**4.0000e-005**	**3.0600e-003**	**7.0000e-005**	**3.1400e-003**	**8.2000e-004**	**6.0000e-005**	**8.8000e-004**	**0.0000**	**3.2211**	**3.2211**	**2.0000e-004**	**0.0000**	**3.2254**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0523	0.5901	0.2811	7.9000e-004		0.0219	0.0219		0.0202	0.0202	0.0000	73.1696	73.1696	0.0224	0.0000	73.6404
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0523**	**0.5901**	**0.2811**	**7.9000e-004**		**0.0219**	**0.0219**		**0.0202**	**0.0202**	**0.0000**	**73.1696**	**73.1696**	**0.0224**	**0.0000**	**73.6404**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	1.7700e-003	5.6200e-003	0.0000	1.3000e-004	3.0000e-005	1.7000e-004	4.0000e-005	3.0000e-005	7.0000e-005	0.0000	0.4406	0.4406	0.0000	0.0000	0.4407
Worker	1.9300e-003	2.9300e-003	0.0279	4.0000e-005	2.9300e-003	4.0000e-005	2.9700e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	2.7805	2.7805	2.0000e-004	0.0000	2.7848
Total	**2.4100e-003**	**4.7000e-003**	**0.0335**	**4.0000e-005**	**3.0600e-003**	**7.0000e-005**	**3.1400e-003**	**8.2000e-004**	**6.0000e-005**	**8.8000e-004**	**0.0000**	**3.2211**	**3.2211**	**2.0000e-004**	**0.0000**	**3.2254**

3.15 Distribution Line Underground - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					7.3000e-004	0.0000	7.3000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2118	0.1745	2.5000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	23.3925	23.3925	7.1700e-003	0.0000	23.5430
Total	**0.0204**	**0.2118**	**0.1745**	**2.5000e-004**	**7.3000e-004**	**0.0128**	**0.0135**	**8.0000e-005**	**0.0118**	**0.0119**	**0.0000**	**23.3925**	**23.3925**	**7.1700e-003**	**0.0000**	**23.5430**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	1.7700e-003	5.6200e-003	0.0000	1.3000e-004	3.0000e-005	1.7000e-004	4.0000e-005	3.0000e-005	7.0000e-005	0.0000	0.4406	0.4406	0.0000	0.0000	0.4407
Worker	3.0900e-003	4.6900e-003	0.0446	6.0000e-005	4.6900e-003	6.0000e-005	4.7500e-003	1.2500e-003	5.0000e-005	1.3000e-003	0.0000	4.4488	4.4488	3.3000e-004	0.0000	4.4557
Total	**3.5700e-003**	**6.4600e-003**	**0.0502**	**6.0000e-005**	**4.8200e-003**	**9.0000e-005**	**4.9200e-003**	**1.2900e-003**	**8.0000e-005**	**1.3700e-003**	**0.0000**	**4.8893**	**4.8893**	**3.3000e-004**	**0.0000**	**4.8963**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.9000e-004	0.0000	2.9000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2118	0.1745	2.5000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	23.3925	23.3925	7.1700e-003	0.0000	23.5430
Total	**0.0204**	**0.2118**	**0.1745**	**2.5000e-004**	**2.9000e-004**	**0.0128**	**0.0131**	**3.0000e-005**	**0.0118**	**0.0118**	**0.0000**	**23.3925**	**23.3925**	**7.1700e-003**	**0.0000**	**23.5430**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	1.7700e-003	5.6200e-003	0.0000	1.3000e-004	3.0000e-005	1.7000e-004	4.0000e-005	3.0000e-005	7.0000e-005	0.0000	0.4406	0.4406	0.0000	0.0000	0.4407
Worker	3.0900e-003	4.6900e-003	0.0446	6.0000e-005	4.6900e-003	6.0000e-005	4.7500e-003	1.2500e-003	5.0000e-005	1.3000e-003	0.0000	4.4488	4.4488	3.3000e-004	0.0000	4.4557
Total	**3.5700e-003**	**6.4600e-003**	**0.0502**	**6.0000e-005**	**4.8200e-003**	**9.0000e-005**	**4.9200e-003**	**1.2900e-003**	**8.0000e-005**	**1.3700e-003**	**0.0000**	**4.8893**	**4.8893**	**3.3000e-004**	**0.0000**	**4.8963**

3.16 Distribution Line Underground I5 - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.3000e-004	0.0000	7.3000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0356	0.4318	0.2003	6.6000e-004		0.0149	0.0149		0.0137	0.0137	0.0000	60.8964	60.8964	0.0187	0.0000	61.2883
Total	**0.0356**	**0.4318**	**0.2003**	**6.6000e-004**	**7.3000e-004**	**0.0149**	**0.0156**	**8.0000e-005**	**0.0137**	**0.0138**	**0.0000**	**60.8964**	**60.8964**	**0.0187**	**0.0000**	**61.2883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	1.7700e-003	5.6200e-003	0.0000	1.3000e-004	3.0000e-005	1.7000e-004	4.0000e-005	3.0000e-005	7.0000e-005	0.0000	0.4406	0.4406	0.0000	0.0000	0.4407
Worker	3.0900e-003	4.6900e-003	0.0446	6.0000e-005	4.6900e-003	6.0000e-005	4.7500e-003	1.2500e-003	5.0000e-005	1.3000e-003	0.0000	4.4488	4.4488	3.3000e-004	0.0000	4.4557
Total	**3.5700e-003**	**6.4600e-003**	**0.0502**	**6.0000e-005**	**4.8200e-003**	**9.0000e-005**	**4.9200e-003**	**1.2900e-003**	**8.0000e-005**	**1.3700e-003**	**0.0000**	**4.8893**	**4.8893**	**3.3000e-004**	**0.0000**	**4.8963**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.9000e-004	0.0000	2.9000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0356	0.4318	0.2003	6.6000e-004		0.0149	0.0149		0.0137	0.0137	0.0000	60.8964	60.8964	0.0187	0.0000	61.2882
Total	**0.0356**	**0.4318**	**0.2003**	**6.6000e-004**	**2.9000e-004**	**0.0149**	**0.0152**	**3.0000e-005**	**0.0137**	**0.0137**	**0.0000**	**60.8964**	**60.8964**	**0.0187**	**0.0000**	**61.2882**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	1.7700e-003	5.6200e-003	0.0000	1.3000e-004	3.0000e-005	1.7000e-004	4.0000e-005	3.0000e-005	7.0000e-005	0.0000	0.4406	0.4406	0.0000	0.0000	0.4407
Worker	3.0900e-003	4.6900e-003	0.0446	6.0000e-005	4.6900e-003	6.0000e-005	4.7500e-003	1.2500e-003	5.0000e-005	1.3000e-003	0.0000	4.4488	4.4488	3.3000e-004	0.0000	4.4557

Total	**3.5700e-003**	**6.4600e-003**	**0.0502**	**6.0000e-005**	**4.8200e-003**	**9.0000e-005**	**4.9200e-003**	**1.2900e-003**	**8.0000e-005**	**1.3700e-003**	**0.0000**	**4.8893**	**4.8893**	**3.3000e-004**	**0.0000**	**4.8963**

3.17 Steel Installation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0519	0.5806	0.2607	6.1000e-004		0.0258	0.0258		0.0237	0.0237	0.0000	56.5472	56.5472	0.0173	0.0000	56.9111
Total	**0.0519**	**0.5806**	**0.2607**	**6.1000e-004**		**0.0258**	**0.0258**		**0.0237**	**0.0237**	**0.0000**	**56.5472**	**56.5472**	**0.0173**	**0.0000**	**56.9111**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0471	0.1754	0.5561	4.9000e-004	0.0133	3.3100e-003	0.0166	3.7500e-003	3.0400e-003	6.7900e-003	0.0000	43.6174	43.6174	3.9000e-004	0.0000	43.6255
Worker	1.9300e-003	2.9300e-003	0.0279	4.0000e-005	2.9300e-003	4.0000e-005	2.9700e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	2.7805	2.7805	2.0000e-004	0.0000	2.7848
Total	**0.0490**	**0.1783**	**0.5839**	**5.3000e-004**	**0.0162**	**3.3500e-003**	**0.0196**	**4.5300e-003**	**3.0700e-003**	**7.6000e-003**	**0.0000**	**46.3979**	**46.3979**	**5.9000e-004**	**0.0000**	**46.4103**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0519	0.5806	0.2607	6.1000e-004		0.0258	0.0258		0.0237	0.0237	0.0000	56.5472	56.5472	0.0173	0.0000	56.9110
Total	**0.0519**	**0.5806**	**0.2607**	**6.1000e-004**		**0.0258**	**0.0258**		**0.0237**	**0.0237**	**0.0000**	**56.5472**	**56.5472**	**0.0173**	**0.0000**	**56.9110**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0471	0.1754	0.5561	4.9000e-004	0.0133	3.3100e-003	0.0166	3.7500e-003	3.0400e-003	6.7900e-003	0.0000	43.6174	43.6174	3.9000e-004	0.0000	43.6255
Worker	1.9300e-003	2.9300e-003	0.0279	4.0000e-005	2.9300e-003	4.0000e-005	2.9700e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	2.7805	2.7805	2.0000e-004	0.0000	2.7848
Total	**0.0490**	**0.1783**	**0.5839**	**5.3000e-004**	**0.0162**	**3.3500e-003**	**0.0196**	**4.5300e-003**	**3.0700e-003**	**7.6000e-003**	**0.0000**	**46.3979**	**46.3979**	**5.9000e-004**	**0.0000**	**46.4103**

3.18 Structure Erection - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1570	1.7702	0.8434	2.3700e-003		0.0657	0.0657		0.0605	0.0605	0.0000	219.5090	219.5090	0.0673	0.0000	220.9214
Total	**0.1570**	**1.7702**	**0.8434**	**2.3700e-003**		**0.0657**	**0.0657**		**0.0605**	**0.0605**	**0.0000**	**219.5090**	**219.5090**	**0.0673**	**0.0000**	**220.9214**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0942	0.3507	1.1121	9.9000e-004	0.0266	6.6200e-003	0.0332	7.5100e-003	6.0700e-003	0.0136	0.0000	87.2349	87.2349	7.7000e-004	0.0000	87.2510
Worker	3.8600e-003	5.8700e-003	0.0558	8.0000e-005	5.8600e-003	7.0000e-005	5.9400e-003	1.5600e-003	7.0000e-005	1.6300e-003	0.0000	5.5610	5.5610	4.1000e-004	0.0000	5.5696
Total	**0.0981**	**0.3566**	**1.1679**	**1.0700e-003**	**0.0325**	**6.6900e-003**	**0.0392**	**9.0700e-003**	**6.1400e-003**	**0.0152**	**0.0000**	**92.7958**	**92.7958**	**1.1800e-003**	**0.0000**	**92.8206**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1570	1.7702	0.8434	2.3700e-003		0.0657	0.0657		0.0605	0.0605	0.0000	219.5087	219.5087	0.0673	0.0000	220.9211
Total	**0.1570**	**1.7702**	**0.8434**	**2.3700e-003**		**0.0657**	**0.0657**		**0.0605**	**0.0605**	**0.0000**	**219.5087**	**219.5087**	**0.0673**	**0.0000**	**220.9211**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0942	0.3507	1.1121	9.9000e-004	0.0266	6.6200e-003	0.0332	7.5100e-003	6.0700e-003	0.0136	0.0000	87.2349	87.2349	7.7000e-004	0.0000	87.2510
Worker	3.8600e-003	5.8700e-003	0.0558	8.0000e-005	5.8600e-003	7.0000e-005	5.9400e-003	1.5600e-003	7.0000e-005	1.6300e-003	0.0000	5.5610	5.5610	4.1000e-004	0.0000	5.5696
Total	**0.0981**	**0.3566**	**1.1679**	**1.0700e-003**	**0.0325**	**6.6900e-003**	**0.0392**	**9.0700e-003**	**6.1400e-003**	**0.0152**	**0.0000**	**92.7958**	**92.7958**	**1.1800e-003**	**0.0000**	**92.8206**

3.19 Equipment Installation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0272	0.3096	0.1526	2.6000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	24.5599	24.5599	7.5300e-003	0.0000	24.7179
Total	**0.0272**	**0.3096**	**0.1526**	**2.6000e-004**		**0.0157**	**0.0157**		**0.0144**	**0.0144**	**0.0000**	**24.5599**	**24.5599**	**7.5300e-003**	**0.0000**	**24.7179**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0471	0.1754	0.5561	4.9000e-004	0.0133	3.3100e-003	0.0166	3.7500e-003	3.0400e-003	6.7900e-003	0.0000	43.6174	43.6174	3.9000e-004	0.0000	43.6255
Worker	1.5400e-003	2.3500e-003	0.0223	3.0000e-005	2.3500e-003	3.0000e-005	2.3700e-003	6.2000e-004	3.0000e-005	6.5000e-004	0.0000	2.2244	2.2244	1.6000e-004	0.0000	2.2278
Total	**0.0486**	**0.1777**	**0.5784**	**5.2000e-004**	**0.0157**	**3.3400e-003**	**0.0190**	**4.3700e-003**	**3.0700e-003**	**7.4400e-003**	**0.0000**	**45.8418**	**45.8418**	**5.5000e-004**	**0.0000**	**45.8533**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0272	0.3096	0.1526	2.6000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	24.5599	24.5599	7.5300e-003	0.0000	24.7179
Total	**0.0272**	**0.3096**	**0.1526**	**2.6000e-004**		**0.0157**	**0.0157**		**0.0144**	**0.0144**	**0.0000**	**24.5599**	**24.5599**	**7.5300e-003**	**0.0000**	**24.7179**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0471	0.1754	0.5561	4.9000e-004	0.0133	3.3100e-003	0.0166	3.7500e-003	3.0400e-003	6.7900e-003	0.0000	43.6174	43.6174	3.9000e-004	0.0000	43.6255
Worker	1.5400e-003	2.3500e-003	0.0223	3.0000e-005	2.3500e-003	3.0000e-005	2.3700e-003	6.2000e-004	3.0000e-005	6.5000e-004	0.0000	2.2244	2.2244	1.6000e-004	0.0000	2.2278

Total	**0.0486**	**0.1777**	**0.5784**	**5.2000e-004**	**0.0157**	**3.3400e-003**	**0.0190**	**4.3700e-003**	**3.0700e-003**	**7.4400e-003**	**0.0000**	**45.8418**	**45.8418**	**5.5000e-004**	**0.0000**	**45.8533**

3.20 Equipment Removal - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0112	0.0000	0.0112	1.6900e-003	0.0000	1.6900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0246	0.2866	0.1406	3.2000e-004		0.0120	0.0120		0.0111	0.0111	0.0000	29.6502	29.6502	9.0800e-003	0.0000	29.8410
Total	**0.0246**	**0.2866**	**0.1406**	**3.2000e-004**	**0.0112**	**0.0120**	**0.0232**	**1.6900e-003**	**0.0111**	**0.0128**	**0.0000**	**29.6502**	**29.6502**	**9.0800e-003**	**0.0000**	**29.8410**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6000e-003	0.0101	0.0187	4.0000e-005	8.3000e-004	1.9000e-004	1.0200e-003	2.3000e-004	1.7000e-004	4.0000e-004	0.0000	3.3012	3.3012	2.0000e-005	0.0000	3.3017
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	1.1200e-003	0.0107	1.0000e-005	1.1200e-003	1.0000e-005	1.1400e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0659	1.0659	8.0000e-005	0.0000	1.0675
Total	**2.3400e-003**	**0.0112**	**0.0294**	**5.0000e-005**	**1.9500e-003**	**2.0000e-004**	**2.1600e-003**	**5.3000e-004**	**1.8000e-004**	**7.1000e-004**	**0.0000**	**4.3671**	**4.3671**	**1.0000e-004**	**0.0000**	**4.3692**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.3600e-003	0.0000	4.3600e-003	6.6000e-004	0.0000	6.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0246	0.2866	0.1406	3.2000e-004		0.0120	0.0120		0.0111	0.0111	0.0000	29.6502	29.6502	9.0800e-003	0.0000	29.8410
Total	**0.0246**	**0.2866**	**0.1406**	**3.2000e-004**	**4.3600e-003**	**0.0120**	**0.0164**	**6.6000e-004**	**0.0111**	**0.0117**	**0.0000**	**29.6502**	**29.6502**	**9.0800e-003**	**0.0000**	**29.8410**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6000e-003	0.0101	0.0187	4.0000e-005	8.3000e-004	1.9000e-004	1.0200e-003	2.3000e-004	1.7000e-004	4.0000e-004	0.0000	3.3012	3.3012	2.0000e-005	0.0000	3.3017
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	1.1200e-003	0.0107	1.0000e-005	1.1200e-003	1.0000e-005	1.1400e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0659	1.0659	8.0000e-005	0.0000	1.0675
Total	**2.3400e-003**	**0.0112**	**0.0294**	**5.0000e-005**	**1.9500e-003**	**2.0000e-004**	**2.1600e-003**	**5.3000e-004**	**1.8000e-004**	**7.1000e-004**	**0.0000**	**4.3671**	**4.3671**	**1.0000e-004**	**0.0000**	**4.3692**

3.21 Bus Work - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	8.2300e-003	0.0704	0.0395	7.0000e-005		3.4300e-003	3.4300e-003		3.2300e-003	3.2300e-003	0.0000	5.9478	5.9478	1.7100e-003	0.0000	5.9836
Total	**8.2300e-003**	**0.0704**	**0.0395**	**7.0000e-005**		**3.4300e-003**	**3.4300e-003**		**3.2300e-003**	**3.2300e-003**	**0.0000**	**5.9478**	**5.9478**	**1.7100e-003**	**0.0000**	**5.9836**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	4.1000e-004	1.2900e-003	0.0000	3.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1010	0.1010	0.0000	0.0000	0.1010
Worker	3.5000e-004	5.4000e-004	5.1100e-003	1.0000e-005	5.4000e-004	1.0000e-005	5.4000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.5098	0.5098	4.0000e-005	0.0000	0.5105
Total	**4.6000e-004**	**9.5000e-004**	**6.4000e-003**	**1.0000e-005**	**5.7000e-004**	**2.0000e-005**	**5.8000e-004**	**1.5000e-004**	**2.0000e-005**	**1.7000e-004**	**0.0000**	**0.6107**	**0.6107**	**4.0000e-005**	**0.0000**	**0.6115**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2300e-003	0.0704	0.0395	7.0000e-005		3.4300e-003	3.4300e-003		3.2300e-003	3.2300e-003	0.0000	5.9478	5.9478	1.7100e-003	0.0000	5.9836
Total	**8.2300e-003**	**0.0704**	**0.0395**	**7.0000e-005**		**3.4300e-003**	**3.4300e-003**		**3.2300e-003**	**3.2300e-003**	**0.0000**	**5.9478**	**5.9478**	**1.7100e-003**	**0.0000**	**5.9836**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	4.1000e-004	1.2900e-003	0.0000	3.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1010	0.1010	0.0000	0.0000	0.1010
Worker	3.5000e-004	5.4000e-004	5.1100e-003	1.0000e-005	5.4000e-004	1.0000e-005	5.4000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.5098	0.5098	4.0000e-005	0.0000	0.5105
Total	**4.6000e-004**	**9.5000e-004**	**6.4000e-003**	**1.0000e-005**	**5.7000e-004**	**2.0000e-005**	**5.8000e-004**	**1.5000e-004**	**2.0000e-005**	**1.7000e-004**	**0.0000**	**0.6107**	**0.6107**	**4.0000e-005**	**0.0000**	**0.6115**

3.22 Wire Installation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1113	1.2656	0.6458	1.2900e-003		0.0574	0.0574		0.0528	0.0528	0.0000	119.5530	119.5530	0.0366	0.0000	120.3223
Total	**0.1113**	**1.2656**	**0.6458**	**1.2900e-003**		**0.0574**	**0.0574**		**0.0528**	**0.0528**	**0.0000**	**119.5530**	**119.5530**	**0.0366**	**0.0000**	**120.3223**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0230	0.0857	0.2718	2.4000e-004	6.5000e-003	1.6200e-003	8.1200e-003	1.8400e-003	1.4800e-003	3.3200e-003	0.0000	21.3222	21.3222	1.9000e-004	0.0000	21.3262
Worker	1.4800e-003	2.2500e-003	0.0214	3.0000e-005	2.2500e-003	3.0000e-005	2.2800e-003	6.0000e-004	3.0000e-005	6.2000e-004	0.0000	2.1317	2.1317	1.6000e-004	0.0000	2.1350
Total	**0.0245**	**0.0880**	**0.2932**	**2.7000e-004**	**8.7500e-003**	**1.6500e-003**	**0.0104**	**2.4400e-003**	**1.5100e-003**	**3.9400e-003**	**0.0000**	**23.4539**	**23.4539**	**3.5000e-004**	**0.0000**	**23.4612**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1113	1.2656	0.6458	1.2900e-003		0.0574	0.0574		0.0528	0.0528	0.0000	119.5529	119.5529	0.0366	0.0000	120.3221
Total	**0.1113**	**1.2656**	**0.6458**	**1.2900e-003**		**0.0574**	**0.0574**		**0.0528**	**0.0528**	**0.0000**	**119.5529**	**119.5529**	**0.0366**	**0.0000**	**120.3221**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0230	0.0857	0.2718	2.4000e-004	6.5000e-003	1.6200e-003	8.1200e-003	1.8400e-003	1.4800e-003	3.3200e-003	0.0000	21.3222	21.3222	1.9000e-004	0.0000	21.3262
Worker	1.4800e-003	2.2500e-003	0.0214	3.0000e-005	2.2500e-003	3.0000e-005	2.2800e-003	6.0000e-004	3.0000e-005	6.2000e-004	0.0000	2.1317	2.1317	1.6000e-004	0.0000	2.1350

Total	**0.0245**	**0.0880**	**0.2932**	**2.7000e-004**	**8.7500e-003**	**1.6500e-003**	**0.0104**	**2.4400e-003**	**1.5100e-003**	**3.9400e-003**	**0.0000**	**23.4539**	**23.4539**	**3.5000e-004**	**0.0000**	**23.4612**

3.23 Testing and Energization - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.4000e-004	1.4000e-003	0.0000	3.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1102	0.1102	0.0000	0.0000	0.1102
Worker	1.9000e-004	2.9000e-004	2.7900e-003	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2781	0.2781	2.0000e-005	0.0000	0.2785
Total	**3.1000e-004**	**7.3000e-004**	**4.1900e-003**	**0.0000**	**3.2000e-004**	**1.0000e-005**	**3.4000e-004**	**9.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**0.3882**	**0.3882**	**2.0000e-005**	**0.0000**	**0.3887**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.4000e-004	1.4000e-003	0.0000	3.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1102	0.1102	0.0000	0.0000	0.1102
Worker	1.9000e-004	2.9000e-004	2.7900e-003	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2781	0.2781	2.0000e-005	0.0000	0.2785
Total	**3.1000e-004**	**7.3000e-004**	**4.1900e-003**	**0.0000**	**3.2000e-004**	**1.0000e-005**	**3.4000e-004**	**9.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**0.3882**	**0.3882**	**2.0000e-005**	**0.0000**	**0.3887**

3.24 Foundation Removal - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.0112	0.0000	0.0112	1.6900e-003	0.0000	1.6900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0164	0.1771	0.0973	2.2000e-004		8.1700e-003	8.1700e-003		7.5100e-003	7.5100e-003	0.0000	20.7380	20.7380	6.3500e-003	0.0000	20.8715
Total	**0.0164**	**0.1771**	**0.0973**	**2.2000e-004**	**0.0112**	**8.1700e-003**	**0.0194**	**1.6900e-003**	**7.5100e-003**	**9.2000e-003**	**0.0000**	**20.7380**	**20.7380**	**6.3500e-003**	**0.0000**	**20.8715**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6000e-003	0.0101	0.0187	4.0000e-005	8.3000e-004	1.9000e-004	1.0200e-003	2.3000e-004	1.7000e-004	4.0000e-004	0.0000	3.3012	3.3012	2.0000e-005	0.0000	3.3017
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	5.4000e-004	5.1100e-003	1.0000e-005	5.4000e-004	1.0000e-005	5.4000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.5098	0.5098	4.0000e-005	0.0000	0.5105
Total	**1.9500e-003**	**0.0107**	**0.0238**	**5.0000e-005**	**1.3700e-003**	**2.0000e-004**	**1.5600e-003**	**3.7000e-004**	**1.8000e-004**	**5.5000e-004**	**0.0000**	**3.8110**	**3.8110**	**6.0000e-005**	**0.0000**	**3.8123**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.3600e-003	0.0000	4.3600e-003	6.6000e-004	0.0000	6.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0164	0.1771	0.0973	2.2000e-004		8.1700e-003	8.1700e-003		7.5100e-003	7.5100e-003	0.0000	20.7380	20.7380	6.3500e-003	0.0000	20.8714
Total	**0.0164**	**0.1771**	**0.0973**	**2.2000e-004**	**4.3600e-003**	**8.1700e-003**	**0.0125**	**6.6000e-004**	**7.5100e-003**	**8.1700e-003**	**0.0000**	**20.7380**	**20.7380**	**6.3500e-003**	**0.0000**	**20.8714**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6000e-003	0.0101	0.0187	4.0000e-005	8.3000e-004	1.9000e-004	1.0200e-003	2.3000e-004	1.7000e-004	4.0000e-004	0.0000	3.3012	3.3012	2.0000e-005	0.0000	3.3017
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	5.4000e-004	5.1100e-003	1.0000e-005	5.4000e-004	1.0000e-005	5.4000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.5098	0.5098	4.0000e-005	0.0000	0.5105
Total	**1.9500e-003**	**0.0107**	**0.0238**	**5.0000e-005**	**1.3700e-003**	**2.0000e-004**	**1.5600e-003**	**3.7000e-004**	**1.8000e-004**	**5.5000e-004**	**0.0000**	**3.8110**	**3.8110**	**6.0000e-005**	**0.0000**	**3.8123**

3.25 Right-of-way Restoration and Cleanup - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0790	0.0000	0.0790	0.0435	0.0000	0.0435	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0271	0.3022	0.1920	2.9000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	26.8412	26.8412	8.2200e-003	0.0000	27.0139
Total	**0.0271**	**0.3022**	**0.1920**	**2.9000e-004**	**0.0790**	**0.0128**	**0.0919**	**0.0435**	**0.0118**	**0.0553**	**0.0000**	**26.8412**	**26.8412**	**8.2200e-003**	**0.0000**	**27.0139**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747
Total	**6.8000e-004**	**1.0300e-003**	**9.7600e-003**	**1.0000e-005**	**1.0300e-003**	**1.0000e-005**	**1.0400e-003**	**2.7000e-004**	**1.0000e-005**	**2.8000e-004**	**0.0000**	**0.9732**	**0.9732**	**7.0000e-005**	**0.0000**	**0.9747**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0308	0.0000	0.0308	0.0169	0.0000	0.0169	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0271	0.3022	0.1920	2.9000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	26.8411	26.8411	8.2200e-003	0.0000	27.0138
Total	**0.0271**	**0.3022**	**0.1920**	**2.9000e-004**	**0.0308**	**0.0128**	**0.0437**	**0.0169**	**0.0118**	**0.0288**	**0.0000**	**26.8411**	**26.8411**	**8.2200e-003**	**0.0000**	**27.0138**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747

Total	**6.8000e-004**	**1.0300e-003**	**9.7600e-003**	**1.0000e-005**	**1.0300e-003**	**1.0000e-005**	**1.0400e-003**	**2.7000e-004**	**1.0000e-005**	**2.8000e-004**	**0.0000**	**0.9732**	**0.9732**	**7.0000e-005**	**0.0000**	**0.9747**

3.26 Right-of-way Restoration and Cleanup Transmission - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0790	0.0000	0.0790	0.0435	0.0000	0.0435	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0271	0.3022	0.1920	2.9000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	26.8412	26.8412	8.2200e-003	0.0000	27.0139
Total	**0.0271**	**0.3022**	**0.1920**	**2.9000e-004**	**0.0790**	**0.0128**	**0.0919**	**0.0435**	**0.0118**	**0.0553**	**0.0000**	**26.8412**	**26.8412**	**8.2200e-003**	**0.0000**	**27.0139**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747
Total	**6.8000e-004**	**1.0300e-003**	**9.7600e-003**	**1.0000e-005**	**1.0300e-003**	**1.0000e-005**	**1.0400e-003**	**2.7000e-004**	**1.0000e-005**	**2.8000e-004**	**0.0000**	**0.9732**	**0.9732**	**7.0000e-005**	**0.0000**	**0.9747**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0308	0.0000	0.0308	0.0169	0.0000	0.0169	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0271	0.3022	0.1920	2.9000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	26.8411	26.8411	8.2200e-003	0.0000	27.0138
Total	**0.0271**	**0.3022**	**0.1920**	**2.9000e-004**	**0.0308**	**0.0128**	**0.0437**	**0.0169**	**0.0118**	**0.0288**	**0.0000**	**26.8411**	**26.8411**	**8.2200e-003**	**0.0000**	**27.0138**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747
Total	**6.8000e-004**	**1.0300e-003**	**9.7600e-003**	**1.0000e-005**	**1.0300e-003**	**1.0000e-005**	**1.0400e-003**	**2.7000e-004**	**1.0000e-005**	**2.8000e-004**	**0.0000**	**0.9732**	**0.9732**	**7.0000e-005**	**0.0000**	**0.9747**

3.27 Fencing - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747
Total	**6.8000e-004**	**1.0300e-003**	**9.7600e-003**	**1.0000e-005**	**1.0300e-003**	**1.0000e-005**	**1.0400e-003**	**2.7000e-004**	**1.0000e-005**	**2.8000e-004**	**0.0000**	**0.9732**	**0.9732**	**7.0000e-005**	**0.0000**	**0.9747**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747
Total	**6.8000e-004**	**1.0300e-003**	**9.7600e-003**	**1.0000e-005**	**1.0300e-003**	**1.0000e-005**	**1.0400e-003**	**2.7000e-004**	**1.0000e-005**	**2.8000e-004**	**0.0000**	**0.9732**	**0.9732**	**7.0000e-005**	**0.0000**	**0.9747**

3.28 Marshalling Yard - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.7000e-004	2.5600e-003	0.0000	2.7000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2549	0.2549	2.0000e-005	0.0000	0.2553
Total	**1.8000e-004**	**2.7000e-004**	**2.5600e-003**	**0.0000**	**2.7000e-004**	**0.0000**	**2.7000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2549**	**0.2549**	**2.0000e-005**	**0.0000**	**0.2553**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.7000e-004	2.5600e-003	0.0000	2.7000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2549	0.2549	2.0000e-005	0.0000	0.2553

Total	**1.8000e-004**	**2.7000e-004**	**2.5600e-003**	**0.0000**	**2.7000e-004**	**0.0000**	**2.7000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2549**	**0.2549**	**2.0000e-005**	**0.0000**	**0.2553**

3.29 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0379	0.0000	0.0379	0.0207	0.0000	0.0207	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1629	0.1064	1.6000e-004		7.5400e-003	7.5400e-003		6.9400e-003	6.9400e-003	0.0000	14.5860	14.5860	4.4700e-003	0.0000	14.6799
Total	**0.0149**	**0.1629**	**0.1064**	**1.6000e-004**	**0.0379**	**7.5400e-003**	**0.0454**	**0.0207**	**6.9400e-003**	**0.0277**	**0.0000**	**14.5860**	**14.5860**	**4.4700e-003**	**0.0000**	**14.6799**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	4.9000e-004	4.6500e-003	1.0000e-005	4.9000e-004	1.0000e-005	4.9000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	0.4634	0.4634	3.0000e-005	0.0000	0.4641
Total	**3.2000e-004**	**4.9000e-004**	**4.6500e-003**	**1.0000e-005**	**4.9000e-004**	**1.0000e-005**	**4.9000e-004**	**1.3000e-004**	**1.0000e-005**	**1.4000e-004**	**0.0000**	**0.4634**	**0.4634**	**3.0000e-005**	**0.0000**	**0.4641**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0148	0.0000	0.0148	8.0800e-003	0.0000	8.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1629	0.1064	1.6000e-004		7.5400e-003	7.5400e-003		6.9400e-003	6.9400e-003	0.0000	14.5860	14.5860	4.4700e-003	0.0000	14.6799
Total	**0.0149**	**0.1629**	**0.1064**	**1.6000e-004**	**0.0148**	**7.5400e-003**	**0.0223**	**8.0800e-003**	**6.9400e-003**	**0.0150**	**0.0000**	**14.5860**	**14.5860**	**4.4700e-003**	**0.0000**	**14.6799**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	4.9000e-004	4.6500e-003	1.0000e-005	4.9000e-004	1.0000e-005	4.9000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	0.4634	0.4634	3.0000e-005	0.0000	0.4641
Total	**3.2000e-004**	**4.9000e-004**	**4.6500e-003**	**1.0000e-005**	**4.9000e-004**	**1.0000e-005**	**4.9000e-004**	**1.3000e-004**	**1.0000e-005**	**1.4000e-004**	**0.0000**	**0.4634**	**0.4634**	**3.0000e-005**	**0.0000**	**0.4641**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7571	2.3428	8.6194	0.0110	0.5472	0.0326	0.5798	0.1478	0.0299	0.1777	0.0000	889.7113	889.7113	0.0398	0.0000	890.5478
Unmitigated	0.7571	2.3428	8.6194	0.0110	0.5472	0.0326	0.5798	0.1478	0.0299	0.1777	0.0000	889.7113	889.7113	0.0398	0.0000	890.5478

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	375.00	375.00	375.00	1,448,800	1,448,800
User Defined Industrial	0.00	0.00	0.00		
Total	375.00	375.00	375.00	1,448,800	1,448,800

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
User Defined Industrial	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.287345	0.100576	0.160740	0.161612	0.115759	0.012096	0.012835	0.131392	0.003377	0.001210	0.006560	0.001783	0.004715

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	888.4428	888.4428	0.0156	3.2200e-003	889.7671
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	888.4428	888.4428	0.0156	3.2200e-003	889.7671
NaturalGas Mitigated	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0947	49.0947	9.4000e-004	9.0000e-004	49.3935
NaturalGas Unmitigated	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0947	49.0947	9.4000e-004	9.0000e-004	49.3935

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	920000	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0947	49.0947	9.4000e-004	9.0000e-004	49.3935
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**4.9600e-003**	**0.0451**	**0.0379**	**2.7000e-004**		**3.4300e-003**	**3.4300e-003**		**3.4300e-003**	**3.4300e-003**	**0.0000**	**49.0947**	**49.0947**	**9.4000e-004**	**9.0000e-004**	**49.3935**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

General Heavy Industry	920000	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0947	49.0947	9.4000e-004	9.0000e-004	49.3935
Total		**4.9600e-003**	**0.0451**	**0.0379**	**2.7000e-004**		**3.4300e-003**	**3.4300e-003**		**3.4300e-003**	**3.4300e-003**	**0.0000**	**49.0947**	**49.0947**	**9.4000e-004**	**9.0000e-004**	**49.3935**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	1.1825e+006	888.4428	0.0156	3.2200e-003	889.7671
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**888.4428**	**0.0156**	**3.2200e-003**	**889.7671**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	1.1825e+006	888.4428	0.0156	3.2200e-003	889.7671
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**888.4428**	**0.0156**	**3.2200e-003**	**889.7671**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5110	2.0000e-005	2.4200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.8800e-003
Unmitigated	2.5110	2.0000e-005	2.4200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.8800e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1734					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.4200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.8800e-003
Total	**2.5110**	**2.0000e-005**	**2.4200e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.6100e-003**	**4.6100e-003**	**1.0000e-005**	**0.0000**	**4.8800e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1734					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.4200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.8800e-003
Total	**2.5110**	**2.0000e-005**	**2.4200e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.6100e-003**	**4.6100e-003**	**1.0000e-005**	**0.0000**	**4.8800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	253.3736	1.8876	0.0453	307.0440
Unmitigated	253.3736	1.8879	0.0453	307.0733

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	57.8125 / 0	253.3736	1.8879	0.0453	307.0733
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000

Total		**253.3736**	**1.8879**	**0.0453**	**307.0733**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	57.8125 / 0	253.3736	1.8876	0.0453	307.0440
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**253.3736**	**1.8876**	**0.0453**	**307.0440**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	62.9272	3.7189	0.0000	141.0239
Unmitigated	62.9272	3.7189	0.0000	141.0239

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	310	62.9272	3.7189	0.0000	141.0239
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**62.9272**	**3.7189**	**0.0000**	**141.0239**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	310	62.9272	3.7189	0.0000	141.0239
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**62.9272**	**3.7189**	**0.0000**	**141.0239**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation