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Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Annual

Off-road Equipment - Based on construction schedule
Off-road Equipment - Based on construction schedule
Off-road Equipment - Based on construction schedule
Off-road Equipment - Based on construction schedule
Off-road Equipment - Based on construction schedule
Off-road Equipment - Based on construction schedule
Off-road Equipment - Based on construction schedule
Off-road Equipment - Based on construction schedule
Off-road Equipment - Based on construction schedule
Off-road Equipment - Based on equipment roster for the project.
Off-road Equipment - Based on construction schedule
Off-road Equipment - Based on construction schedule
Off-road Equipment - Based on construction schedule
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Off-road Equipment - Based on construction schedule

Off-road Equipment - Based on construction schedule

Trips and VMT - Based on equipment roster and schedule provided

On-road Fugitive Dust - Per the user guide 9.3% silt content should be used for the San Luis Obispo region

Grading - Based on grading and material movement for the project.

Vehicle Trips - Unmanned operation

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products - No consumer product utilization was assumed for the project

Area Coating - No architectural coating is assumed for the project

Energy Use - Energy intensity factors scaled down to match the area occupied by the 230kV Substation Control Enclosure approximately 14 feet wide, 48 feet long, and the 70 kV Substation Control Enclosure approximately 16 feet wide and 64 feet long.

Water And Wastewater - Unmanned facility - No water use is expected

Solid Waste - No solid waste generation is expected

Construction Off-road Equipment Mitigation - At a minimum, the off-road equipment fleet shall meet the CARB off-road emissions average for that calendar year and ensure that quarterly DPM emissions are less than the SLOCAPCD significance thresholds.

Operational Off-Road Equipment - Assumes monthly inspections and an annual maintenance on the substation components. Helicopter emissions are represented as Other general industrial equipment with hp increased to 400

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	3572000	0
tblAreaCoating	Area_Nonresidential_Interior	10716000	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	50.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	19.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstructionPhase	NumDays	3,100.00	48.00
tblConstructionPhase	NumDays	3,100.00	48.00
tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	18.00
tblConstructionPhase	NumDays	3,100.00	24.00
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tblConstructionPhase	NumDays	3,100.00	48.00
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tblConstructionPhase	NumDays	3,100.00	18.00
tblConstructionPhase	NumDays	3,100.00	6.00
tblConstructionPhase	NumDays	3,100.00	6.00
tblConstructionPhase	NumDays	3,100.00	12.00

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tblConstructionPhase	NumDays	3,100.00	30.00
tblConstructionPhase	NumDays	3,100.00	18.00
tblConstructionPhase	NumDays	3,100.00	216.00
tblConstructionPhase	NumDays	3,100.00	12.00
tblConstructionPhase	NumDays	3,100.00	48.00
tblConstructionPhase	NumDays	3,100.00	72.00
tblConstructionPhase	NumDays	3,100.00	144.00
tblConstructionPhase	NumDays	3,100.00	12.00
tblConstructionPhase	NumDays	3,100.00	120.00
tblConstructionPhase	NumDays	3,100.00	36.00
tblConstructionPhase	NumDays	310.00	24.00
tblConstructionPhase	NumDays	120.00	12.00
tblConstructionPhase	NumDays	120.00	12.00
tblConstructionPhase	NumDays	120.00	12.00
tblConstructionPhase	NumDays	120.00	12.00
tblConstructionPhase	NumDays	120.00	18.00
tblConstructionPhase	NumDays	120.00	12.00
tblConstructionPhase	NumDays	120.00	12.00
tblConstructionPhase	NumDays	120.00	12.00
tblConstructionPhase	NumDays	120.00	12.00
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tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

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tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	3.08	0.01
tblEnergyUse	NT24E	3.70	0.01
tblEnergyUse	NT24NG	6.67	0.01
tblEnergyUse	T24E	1.48	0.01
tblEnergyUse	T24NG	19.71	0.01
tblGrading	AcresOfGrading	36.00	27.00
tblGrading	AcresOfGrading	4.50	9.00
tblGrading	AcresOfGrading	9.00	18.00
tblGrading	AcresOfGrading	4.50	9.00
tblGrading	MaterialExported	0.00	828.00
tblGrading	MaterialImported	0.00	3,140.00
tblOffRoadEquipment	HorsePower	63.00	62.00
tblOffRoadEquipment	HorsePower	63.00	62.00
tblOffRoadEquipment	HorsePower	63.00	62.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		230-kV Substation Steel Bus Erection
tblOffRoadEquipment	PhaseName		70-kV Substation Steel Bus Erection
tblOffRoadEquipment	PhaseName		70-kV Substation Equip Delivery & Installation
tblOffRoadEquipment	PhaseName		230-kV Substation Cable Installation and Termination
tblOffRoadEquipment	PhaseName		70-kV Substation Foundation Construction
tblOffRoadEquipment	PhaseName		230-kV Transmission Foundation Tower Installation Remove two towers
tblOffRoadEquipment	PhaseName		Reconductoring Segment Pole Installation Transfer Distribution Pole Removal
tblOffRoadEquipment	PhaseName		230-kV Substation Foundation Construction
tblOffRoadEquipment	PhaseName		70-kV Substation Mobilization
tblOffRoadEquipment	PhaseName		230-kV Transmission Site Clean-up and Restoration
tblOffRoadEquipment	PhaseName		70-kV Power Line Site Development Mobilization

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tblOffRoadEquipment	PhaseName	Reconductoring Segment Clean-up and Restoration
tblOffRoadEquipment	PhaseName	Reconductoring Segment Site Development Mobilization
tblOffRoadEquipment	PhaseName	70-kV Power Line Clean-up and Restoration
tblOffRoadEquipment	PhaseName	230-kV Substation Steel Bus Erection
tblOffRoadEquipment	PhaseName	230-kV Substation Install Yard Rock
tblOffRoadEquipment	PhaseName	70-kV Substation Steel Bus Erection
tblOffRoadEquipment	PhaseName	230-kV Substation Transformer & Equip Delivery & Installation
tblOffRoadEquipment	PhaseName	230-kV Substation Transformer & Equip Delivery & Installation
tblOffRoadEquipment	PhaseName	230-kV Substation Remaining Equipment Delivery and Install
tblOffRoadEquipment	PhaseName	230-kV Transmission Foundation Tower Installation Remove two towers
tblOffRoadEquipment	PhaseName	230-kV Transmission Foundation Tower Installation Remove two towers
tblOffRoadEquipment	PhaseName	230-kV Transmission Foundation Tower Installation Remove two towers
tblOffRoadEquipment	PhaseName	230-kV Transmission Conductor
tblOffRoadEquipment	PhaseName	230-kV Transmission Conductor
tblOffRoadEquipment	PhaseName	70-kV Substation Equip Delivery & Installation
tblOffRoadEquipment	PhaseName	70-kV Substation Control Enclosure Delivery and Install
tblOffRoadEquipment	PhaseName	230-kV Substation Testing and Commissioning
tblOffRoadEquipment	PhaseName	70-kV Substation Cable Installation and Termination
tblOffRoadEquipment	PhaseName	70-kV Power Line Pole Tower Installation
tblOffRoadEquipment	PhaseName	70-kV Power Line Pole Tower Installation
tblOffRoadEquipment	PhaseName	70-kV Substation Install Yard Rock
tblOffRoadEquipment	PhaseName	70-kV Cleanup and Restoration
tblOffRoadEquipment	PhaseName	70-kV Substation Testing and Commissioning

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tblOffRoadEquipment	PhaseName	70-kV Power Line Conductor Installation
tblOffRoadEquipment	PhaseName	70-kV Power Line Conductor Installation
tblOffRoadEquipment	PhaseName	70-kV Power Line Conductor Installation
tblOffRoadEquipment	PhaseName	Reconductoring Segment Pole Installation Transfer Distribution Pole Removal
tblOffRoadEquipment	PhaseName	Reconductoring Segment Pole Installation Transfer Distribution Pole Removal
tblOffRoadEquipment	PhaseName	230-kV Substation Access Roads
tblOffRoadEquipment	PhaseName	230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization
tblOffRoadEquipment	PhaseName	230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization
tblOffRoadEquipment	PhaseName	Reconductoring Segment Conductor Installation
tblOffRoadEquipment	PhaseName	Reconductoring Segment Conductor Installation
tblOffRoadEquipment	PhaseName	Reconductoring Segment Conductor Installation
tblOffRoadEquipment	PhaseName	Reconductoring Segment Conductor Installation
tblOffRoadEquipment	PhaseName	230-kV Substation Cleanup and Restoration
tblOffRoadEquipment	PhaseName	70-kV Power Line Conductor Installation
tblOffRoadEquipment	PhaseName	70-kV Power Line Conductor Installation
tblOffRoadEquipment	PhaseName	Reconductoring Segment Conductor Installation
tblOffRoadEquipment	PhaseName	Reconductoring Segment Conductor Installation
tblOffRoadEquipment	PhaseName	230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization
tblOffRoadEquipment	PhaseName	230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization
tblOffRoadEquipment	PhaseName	230-kV Substation Install Yard Rock
tblOffRoadEquipment	PhaseName	70-kV Substation Install Yard Rock

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tblOffRoadEquipment	PhaseName		230-kV Substation Fence and Gate Installation
tblOffRoadEquipment	PhaseName		70-kV Substation Foundation Construction
tblOffRoadEquipment	PhaseName		70-kV Substation Ground Grid Conduit Installation
tblOffRoadEquipment	PhaseName		230-kV Substation Ground Grid Conduit Installation
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	5.30
tblOffRoadEquipment	UsageHours	7.00	6.00
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tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	0.50
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	6.00

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tblOnRoadDust	MaterialSiltContent	8.50	9.30
tblOnRoadDust	MaterialSiltContent	8.50	9.30
tblOnRoadDust	MaterialSiltContent	8.50	9.30
tblOnRoadDust	MaterialSiltContent	8.50	9.30
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tblOnRoadDust	MaterialSiltContent	8.50	9.30
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tblOnRoadDust	MaterialSiltContent	8.50	9.30
tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
tblOnRoadDust	MeanVehicleSpeed	40.00	32.40

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tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
tblOnRoadDust	MeanVehicleSpeed	40.00	32.40
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	13.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	12.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	2.00
tblOperationalOffRoadEquipment	OperHorsePower	88.00	400.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblSolidWaste	SolidWasteGenerationRate	8,858.56	0.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
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tblTripsAndVMT	VendorTripLength	5.00	1.20
tblTripsAndVMT	VendorTripLength	5.00	8.68
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	1.15
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	1.34
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00

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tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
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tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	1.90
tblTripsAndVMT	VendorTripLength	5.00	1.20
tblTripsAndVMT	VendorTripLength	5.00	1.85
tblTripsAndVMT	VendorTripLength	5.00	13.00
tblTripsAndVMT	VendorTripLength	5.00	1.85
tblTripsAndVMT	VendorTripNumber	0.00	11.00
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tblTripsAndVMT	VendorTripNumber	1,171.00	13.00
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tblTripsAndVMT	VendorTripNumber	1,171.00	29.00
tblTripsAndVMT	VendorTripNumber	1,171.00	30.00

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tblTripsAndVMT	VendorTripNumber	1,171.00	45.00
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tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	1,171.00	13.00
tblTripsAndVMT	VendorTripNumber	0.00	33.00
tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	1,171.00	30.00
tblTripsAndVMT	VendorTripNumber	1,171.00	10.00

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tblTripsAndVMT	VendorTripNumber	1,171.00	31.00
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tblTripsAndVMT	WorkerTripLength	13.00	9.56
tblTripsAndVMT	WorkerTripLength	13.00	8.97
tblTripsAndVMT	WorkerTripLength	13.00	7.34
tblTripsAndVMT	WorkerTripLength	13.00	8.52
tblTripsAndVMT	WorkerTripLength	13.00	10.00
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tblTripsAndVMT	WorkerTripLength	13.00	10.00
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tblTripsAndVMT	WorkerTripLength	13.00	7.68
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tblTripsAndVMT	WorkerTripLength	13.00	7.68
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tblTripsAndVMT	WorkerTripLength	13.00	8.45
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tblTripsAndVMT	WorkerTripLength	13.00	5.87
tblTripsAndVMT	WorkerTripLength	13.00	7.50
tblTripsAndVMT	WorkerTripLength	13.00	8.38
tblTripsAndVMT	WorkerTripNumber	5.00	22.00
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tblTripsAndVMT	WorkerTripNumber	3,000.00	14.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	18.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	9.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	30.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	38.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	16.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	14.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	10.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00

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tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
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tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	5.00	8.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	12.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	32.00
tblTripsAndVMT	WorkerTripNumber	5.00	16.00
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tblTripsAndVMT	WorkerTripNumber	3,000.00	18.00
tblTripsAndVMT	WorkerTripNumber	3,000.00	28.00
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tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblWater	IndoorWaterUseRate	1,652,050,000.00	0.00

2.0 Emissions Summary

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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					
2022	0.4289	4.1016	2.9141	0.0103	0.1691	0.1491	0.3181	0.0621	0.1372	0.1993	0.0000	917.1974	917.1974	0.2521	0.0000	923.4994
2023	0.5026	4.2215	3.6566	0.0134	0.1150	0.1462	0.2612	0.0298	0.1346	0.1644	0.0000	1,197.1108	1,197.1108	0.3256	0.0000	1,205.2501
2024	0.0361	0.3065	0.2485	8.7000e-004	7.8600e-003	0.0116	0.0194	1.7600e-003	0.0106	0.0124	0.0000	76.9161	76.9161	0.0221	0.0000	77.4685
Maximum	0.5026	4.2215	3.6566	0.0134	0.1691	0.1491	0.3181	0.0621	0.1372	0.1993	0.0000	1,197.1108	1,197.1108	0.3256	0.0000	1,205.2501

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					
2022	0.4289	4.1016	2.9141	0.0103	0.1093	0.1491	0.2584	0.0362	0.1372	0.1734	0.0000	917.1965	917.1965	0.2521	0.0000	923.4985
2023	0.5026	4.2215	3.6566	0.0134	0.1078	0.1462	0.2539	0.0290	0.1346	0.1636	0.0000	1,197.1096	1,197.1096	0.3256	0.0000	1,205.2489
2024	0.0361	0.3065	0.2485	8.7000e-004	6.4100e-003	0.0116	0.0180	1.6000e-003	0.0106	0.0122	0.0000	76.9160	76.9160	0.0221	0.0000	77.4685
Maximum	0.5026	4.2215	3.6566	0.0134	0.1093	0.1491	0.2584	0.0362	0.1372	0.1734	0.0000	1,197.1096	1,197.1096	0.3256	0.0000	1,205.2489

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	23.45	0.00	11.44	28.69	0.00	7.15	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2022	8-31-2022	0.7233	0.7233
2	9-1-2022	11-30-2022	2.7929	2.7929
3	12-1-2022	2-28-2023	2.6194	2.6194
4	3-1-2023	5-31-2023	0.9644	0.9644
5	6-1-2023	8-31-2023	0.7378	0.7378
6	9-1-2023	11-30-2023	1.0499	1.0499
7	12-1-2023	2-29-2024	0.6675	0.6675
		Highest	2.7929	2.7929

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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	27.9120	1.0900e-003	0.1202	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	0.2340	0.2340	6.1000e-004	0.0000	0.2493
Energy	7.7000e-004	7.0000e-003	5.8800e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	69.9728	69.9728	2.9700e-003	7.2000e-004	70.2624
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Offroad	3.4800e-003	0.0236	0.0230	9.0000e-005		8.4000e-004	8.4000e-004		7.8000e-004	7.8000e-004	0.0000	8.2886	8.2886	2.6800e-003	0.0000	8.3556
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	27.9162	0.0317	0.1490	1.4000e-004	0.0000	1.8000e-003	1.8000e-003	0.0000	1.7400e-003	1.7400e-003	0.0000	78.4954	78.4954	6.2600e-003	7.2000e-004	78.8673

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2.2 Overall Operational**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	27.9120	1.0900e-003	0.1202	1.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	0.2340	0.2340	6.1000e-004	0.0000	0.2493
Energy	7.7000e-004	7.0000e-003	5.8800e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	69.9728	69.9728	2.9700e-003	7.2000e-004	70.2624
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Offroad	3.4800e-003	0.0236	0.0230	9.0000e-005		8.4000e-004	8.4000e-004		7.8000e-004	7.8000e-004	0.0000	8.2886	8.2886	2.6800e-003	0.0000	8.3556
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	27.9162	0.0317	0.1490	1.4000e-004	0.0000	1.8000e-003	1.8000e-003	0.0000	1.7400e-003	1.7400e-003	0.0000	78.4954	78.4954	6.2600e-003	7.2000e-004	78.8673

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	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	230-kV Transmission Site Work Area Preparation Mobilization	Site Preparation	6/1/2022	6/14/2022	6	12	

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2	230-kV Transmission Foundation Tower Installation Remove two towers	Building Construction	6/15/2022	8/9/2022	6	48
3	Reconductoring Segment Site Development Mobilization	Site Preparation	8/1/2022	8/13/2022	6	12
4	Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Building Construction	8/15/2022	2/18/2023	6	144
5	230-kV Substation Access Roads	Site Preparation	9/1/2022	9/14/2022	6	12
6	230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Grading	9/15/2022	10/12/2022	6	24
7	230-kV Substation Fence and Gate Installation	Building Construction	10/8/2022	10/21/2022	6	12
8	Reconductoring Segment Conductor Installation	Building Construction	10/10/2022	2/28/2023	6	120
9	230-kV Substation Foundation Construction	Building Construction	10/15/2022	11/25/2022	6	36
10	70-kV Substation Mobilization	Site Preparation	10/18/2022	10/30/2022	6	12
11	70-kV Substation Foundation Construction	Building Construction	11/1/2022	12/31/2022	6	48
12	70-kV Substation Ground Grid Conduit Installation	Building Construction	11/1/2022	12/31/2022	6	48
13	230-kV Substation Ground Grid Conduit Installation	Building Construction	11/15/2022	12/12/2022	6	24
14	230-kV Substation Steel Bus Erection	Building Construction	12/9/2022	1/5/2023	6	24
15	230-kV Substation Install Yard Rock	Building Construction	12/23/2022	1/12/2023	6	18
16	70-kV Substation Steel Bus Erection	Building Construction	1/1/2023	1/31/2023	6	24
17	230-kV Substation Transformer & Equip Delivery & Installation	Building Construction	1/2/2023	2/4/2023	6	30
18	230-kV Substation Control Enclosure Delivery and Install	Building Construction	1/6/2023	1/19/2023	6	12
19	230-kV Substation Remaining Equipment Delivery and Install	Building Construction	1/13/2023	2/11/2023	6	24
20	230-kV Transmission Conductor	Building Construction	1/25/2023	1/31/2023	6	6
21	70-kV Substation Equip Delivery & Installation	Building Construction	2/1/2023	2/21/2023	6	18
22	70-kV Substation Control Enclosure Delivery and Install	Building Construction	2/1/2023	2/7/2023	6	6

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23	230-kV Transmission Site Clean-up and Restoration	Building Construction	2/1/2023	2/7/2023	6	6
24	230-kV Substation Cable Installation and Termination	Building Construction	2/1/2023	2/14/2023	6	12
25	230-kV Substation Testing and Commissioning	Building Construction	2/11/2023	3/17/2023	6	30
26	70-kV Substation Cable Installation and Termination	Building Construction	2/22/2023	3/14/2023	6	18
27	70-kV Power Line Site Development Mobilization	Site Preparation	3/1/2023	3/14/2023	6	12
28	Reconductoring Segment Clean-up and Restoration	Site Preparation	3/1/2023	3/14/2023	6	12
29	70-kV Power Line Pole Tower Installation	Building Construction	3/1/2023	11/30/2023	6	216
30	70-kV Substation Install Yard Rock	Building Construction	3/1/2023	3/14/2023	6	12
31	230-kV Substation Cleanup and Restoration	Site Preparation	3/11/2023	3/31/2023	6	18
32	70-kV Cleanup and Restoration	Site Preparation	3/15/2023	3/28/2023	6	12
33	70-kV Substation Testing and Commissioning	Building Construction	4/1/2023	5/31/2023	6	48
34	70-kV Power Line Conductor Installation	Building Construction	11/1/2023	1/31/2024	6	72
35	70-kV Power Line Clean-up and Restoration	Site Preparation	2/1/2024	2/14/2024	6	12

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
230-kV Transmission Site Work Area Preparation Mobilization	Graders	1	6.00	187	0.41
230-kV Transmission Site Work Area Preparation Mobilization	Tractors/Loaders/Backhoes	1	6.00	97	0.37

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230-kV Transmission Foundation Tower Installation Remove two towers	Bore/Drill Rigs	1	1.00	221	0.50
230-kV Transmission Foundation Tower Installation Remove two towers	Cranes	3	5.30	231	0.29
230-kV Transmission Foundation Tower Installation Remove two towers	Forklifts	3	2.60	89	0.20
230-kV Transmission Foundation Tower Installation Remove two towers	Off-Highway Trucks	2	3.50	402	0.38
230-kV Transmission Foundation Tower Installation Remove two towers	Off-Highway Trucks	1	0.80	402	0.38
230-kV Transmission Foundation Tower Installation Remove two towers	Off-Highway Trucks	2	2.60	402	0.38
230-kV Transmission Foundation Tower Installation Remove two towers	Tractors/Loaders/Backhoes	1	0.50	97	0.37
Reconductoring Segment Site Development Mobilization	Graders	1	6.00	187	0.41
Reconductoring Segment Site Development Mobilization	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Bore/Drill Rigs	1	6.00	221	0.50
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Cranes	3	6.00	231	0.29
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Cranes	1	1.00	231	0.29
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Off-Highway Trucks	2	3.00	402	0.38
Reconductoring Segment Pole Installation Transfer Distribution Pole Removal	Off-Highway Trucks	2	2.00	402	0.38
230-kV Substation Access Roads	Off-Highway Trucks	2	8.00	402	0.38
230-kV Substation Access Roads	Tractors/Loaders/Backhoes	2	8.00	97	0.37
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Graders	1	8.00	187	0.41
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Off-Highway Trucks	4	10.00	402	0.38
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Off-Highway Trucks	2	10.00	402	0.38
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Rollers	2	8.00	80	0.38

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230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Rubber Tired Dozers	1	8.00	247	0.40
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Rubber Tired Loaders	1	8.00	203	0.36
230-kV Substation Site Prep Grading Entrance Road Culverts Mobilization	Scrapers	1	8.00	367	0.48
230-kV Substation Fence and Gate Installation	Skid Steer Loaders	1	4.00	65	0.37
Reconductoring Segment Conductor Installation	Forklifts	1	3.00	89	0.20
Reconductoring Segment Conductor Installation	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Segment Conductor Installation	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Segment Conductor Installation	Off-Highway Trucks	2	4.00	402	0.38
Reconductoring Segment Conductor Installation	Off-Highway Trucks	1	6.00	402	0.38
Reconductoring Segment Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
Reconductoring Segment Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
230-kV Substation Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
230-kV Substation Foundation Construction	Cranes	1	5.00	231	0.29
230-kV Substation Foundation Construction	Tractors/Loaders/Backhoes	1	5.00	97	0.37
70-kV Substation Mobilization	Graders	1	4.00	187	0.41
70-kV Substation Mobilization	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70-kV Substation Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
70-kV Substation Foundation Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
70-kV Substation Foundation Construction	Trenchers	1	8.00	78	0.50
70-kV Substation Ground Grid Conduit Installation	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70-kV Substation Ground Grid Conduit Installation	Trenchers	1	6.00	78	0.50
230-kV Substation Ground Grid Conduit Installation	Trenchers	1	8.00	78	0.50

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230-kV Substation Steel Bus Erection	Aerial Lifts	1	6.00	62	0.31
230-kV Substation Steel Bus Erection	Off-Highway Trucks	1	8.00	402	0.38
230-kV Substation Install Yard Rock	Off-Highway Trucks	1	10.00	402	0.38
230-kV Substation Install Yard Rock	Skid Steer Loaders	1	10.00	65	0.37
70-kV Substation Steel Bus Erection	Aerial Lifts	2	8.00	62	0.31
70-kV Substation Steel Bus Erection	Off-Highway Trucks	2	6.00	402	0.38
230-kV Substation Transformer & Equip Delivery & Installation	Generator Sets	1	5.00	84	0.74
230-kV Substation Transformer & Equip Delivery & Installation	Off-Highway Trucks	2	10.00	402	0.38
230-kV Substation Transformer & Equip Delivery & Installation	Off-Highway Trucks	1	4.80	402	0.38
230-kV Substation Transformer & Equip Delivery & Installation	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230-kV Substation Control Enclosure Delivery and Install	Cranes	1	6.00	231	0.29
230-kV Substation Remaining Equipment Delivery and Install	Off-Highway Trucks	1	6.00	402	0.38
230-kV Transmission Conductor	Cranes	3	6.00	231	0.29
230-kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
230-kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
70-kV Substation Equip Delivery & Installation	Aerial Lifts	2	4.00	62	0.31
70-kV Substation Equip Delivery & Installation	Off-Highway Trucks	1	5.30	402	0.38
70-kV Substation Control Enclosure Delivery and Install	Off-Highway Trucks	0	0.00	402	0.38
230-kV Transmission Site Clean-up and Restoration	Graders	1	8.00	187	0.41
230-kV Transmission Site Clean-up and Restoration	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230-kV Substation Cable Installation and Termination	Aerial Lifts	1	8.00	62	0.31
230-kV Substation Testing and Commissioning	Off-Highway Trucks	0	0.00	402	0.38
70-kV Substation Cable Installation and Termination	Off-Highway Trucks	0	0.00	402	0.38

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70-kV Power Line Site Development Mobilization	Graders	2	6.00	187	0.41
70-kV Power Line Site Development Mobilization	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Reconductoring Segment Clean-up and Restoration	Graders	1	6.00	187	0.41
Reconductoring Segment Clean-up and Restoration	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70-kV Power Line Pole Tower Installation	Cranes	1	4.00	231	0.29
70-kV Power Line Pole Tower Installation	Off-Highway Trucks	3	4.00	402	0.38
70-kV Power Line Pole Tower Installation	Off-Highway Trucks	3	4.00	402	0.38
70-kV Power Line Pole Tower Installation	Tractors/Loaders/Backhoes	2	4.00	97	0.37
70-kV Power Line Pole Tower Installation	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70-kV Substation Install Yard Rock	Off-Highway Trucks	1	8.00	402	0.38
70-kV Substation Install Yard Rock	Skid Steer Loaders	1	8.00	65	0.37
70-kV Substation Install Yard Rock	Tractors/Loaders/Backhoes	1	8.00	97	0.37
230-kV Substation Cleanup and Restoration	Other General Industrial Equipment	1	6.00	88	0.34
230-kV Substation Cleanup and Restoration	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70-kV Cleanup and Restoration	Off-Highway Trucks	0	0.00	402	0.38
70-kV Substation Testing and Commissioning	Off-Highway Trucks	0	0.00	402	0.38
70-kV Power Line Conductor Installation	Cranes	3	6.00	231	0.29
70-kV Power Line Conductor Installation	Forklifts	1	3.00	89	0.20
70-kV Power Line Conductor Installation	Off-Highway Trucks	3	4.00	402	0.38
70-kV Power Line Conductor Installation	Off-Highway Trucks	1	6.00	402	0.38
70-kV Power Line Conductor Installation	Off-Highway Trucks	2	2.00	402	0.38
70-kV Power Line Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
70-kV Power Line Conductor Installation	Other General Industrial Equipment	1	6.00	88	0.34
70-kV Power Line Clean-up and Restoration	Graders	1	6.00	187	0.41
70-kV Power Line Clean-up and Restoration	Tractors/Loaders/Backhoes	1	4.00	97	0.37

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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
230-kV Transmission	2	22.00	11.00	104.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Work Area Preparation										
230-kV Transmission	13	30.00	12.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Foundation Tower Install										
Reconductoring	2	18.00	10.00	0.00	7.67	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Segment Site Develop										
Reconductoring	9	38.00	13.00	0.00	6.32	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Segment Pole Install										
230-kV Substation	4	24.00	33.00	0.00	8.45	1.90	20.00	LD_Mix	HDT_Mix	HHDT
Access Road										
230-kV Substation Site	12	26.00	30.00	393.00	7.85	1.20	20.00	LD_Mix	HDT_Mix	HHDT
Ground Grid Conduit In										
230-kV Substation	1	18.00	30.00	0.00	5.87	1.85	20.00	LD_Mix	HDT_Mix	HHDT
Access and Gate Install										
Reconductoring	10	28.00	10.00	0.00	7.50	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Segment Conductor In										
230-kV Substation	3	22.00	31.00	0.00	8.38	1.85	20.00	LD_Mix	HDT_Mix	HHDT
Foundation Construction										
70-kV Substation	2	16.00	6.00	0.00	7.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Mobilization										
70-kV Substation	3	22.00	13.00	0.00	8.45	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Foundation Construction										
70-kV Substation	2	12.00	9.00	0.00	8.45	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Ground Grid Conduit In										
230-kV Substation	1	12.00	29.00	0.00	9.15	0.91	20.00	LD_Mix	HDT_Mix	HHDT
Ground Grid Conduit In										
230-kV Substation	2	12.00	30.00	0.00	9.56	1.20	20.00	LD_Mix	HDT_Mix	HHDT
Steel Bus Erection										
230-kV Substation	2	18.00	45.00	0.00	8.97	8.68	20.00	LD_Mix	HDT_Mix	HHDT
Install Vent Box										
70-kV Substation Steel	4	14.00	9.00	0.00	7.34	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Bus Erection										
230-kV Substation	5	18.00	30.00	0.00	8.52	1.15	20.00	LD_Mix	HDT_Mix	HHDT
Transformer & Equip In										
230-kV Substation	1	12.00	2.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Control Enclosure Delivery										
230-kV Substation	1	9.00	28.00	0.00	10.00	1.34	20.00	LD_Mix	HDT_Mix	HHDT
Remainder Environment										
230-kV Transmission	7	38.00	11.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Conductor										
70-kV Substation	3	16.00	12.00	0.00	7.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Equip Delivery & Install										
70-kV Substation	0	12.00	2.00	0.00	9.23	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Control Enclosure Delivery										
230-kV Transmission	2	14.00	9.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Clean up and Post										

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230-kV Substation	1	10.00	3.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Cable Installation and T										
230-kV Substation	0	12.00	26.00	0.00	6.79	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Testing and Commissi										
70-kV Substation	0	12.00	3.00	0.00	6.72	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Cable Installation and T										
70-kV Power Line Site	3	20.00	10.00	0.00	8.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Development Mobilizat										
Reconductoring	2	16.00	5.00	0.00	8.25	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Segment Clean-up and										
70-kV Power Line Pole	10	41.00	15.00	0.00	8.15	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Tower Installation										
70-kV Substation	3	12.00	16.00	0.00	10.00	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Install Yard Equip										
230-kV Substation	2	8.00	29.00	0.00	7.68	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Cleanup and Restorat										
70-kV Cleanup and	0	10.00	0.00	0.00	8.14	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Restoration										
70-kV Substation	0	12.00	2.00	0.00	8.45	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Testing and Commissi										
70-kV Power Line	12	32.00	10.00	0.00	8.56	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Conductor Installation										
70-kV Power Line	2	16.00	7.00	0.00	9.18	13.00	20.00	LD_Mix	HDT_Mix	HHDT
Cleanup and Restorat										

3.1 Mitigation Measures Construction

Water Exposed Area

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**3.2 230-kV Transmission Site Work Area Preparation Mobilization
- 2022****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					4.8500e-003	0.0000	4.8500e-003	5.3000e-004	0.0000	5.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6100e-003	0.0312	0.0178	4.0000e-005		1.1600e-003	1.1600e-003		1.0700e-003	1.0700e-003	0.0000	3.8477	3.8477	1.2400e-003	0.0000	3.8788
Total	2.6100e-003	0.0312	0.0178	4.0000e-005	4.8500e-003	1.1600e-003	6.0100e-003	5.3000e-004	1.0700e-003	1.6000e-003	0.0000	3.8477	3.8477	1.2400e-003	0.0000	3.8788

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	3.9000e-004	0.0140	3.3400e-003	4.0000e-005	8.9000e-004	6.0000e-005	9.4000e-004	2.4000e-004	5.0000e-005	3.0000e-004	0.0000	3.9082	3.9082	2.3000e-004	0.0000	3.9140
Vendor	3.3000e-004	9.5800e-003	2.6400e-003	3.0000e-005	7.8000e-004	4.0000e-005	8.1000e-004	2.2000e-004	3.0000e-005	2.6000e-004	0.0000	2.7704	2.7704	1.2000e-004	0.0000	2.7734
Worker	4.2000e-004	3.4000e-004	3.0500e-003	1.0000e-005	9.8000e-004	1.0000e-005	9.8000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7675	0.7675	2.0000e-005	0.0000	0.7681
Total	1.1400e-003	0.0239	9.0300e-003	8.0000e-005	2.6500e-003	1.1000e-004	2.7300e-003	7.2000e-004	9.0000e-005	8.3000e-004	0.0000	7.4460	7.4460	3.7000e-004	0.0000	7.4554

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**3.2 230-kV Transmission Site Work Area Preparation Mobilization
- 2022****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					1.8900e-003	0.0000	1.8900e-003	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6100e-003	0.0312	0.0178	4.0000e-005		1.1600e-003	1.1600e-003		1.0700e-003	1.0700e-003	0.0000	3.8477	3.8477	1.2400e-003	0.0000	3.8788
Total	2.6100e-003	0.0312	0.0178	4.0000e-005	1.8900e-003	1.1600e-003	3.0500e-003	2.1000e-004	1.0700e-003	1.2800e-003	0.0000	3.8477	3.8477	1.2400e-003	0.0000	3.8788

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	3.9000e-004	0.0140	3.3400e-003	4.0000e-005	8.9000e-004	6.0000e-005	9.4000e-004	2.4000e-004	5.0000e-005	3.0000e-004	0.0000	3.9082	3.9082	2.3000e-004	0.0000	3.9140
Vendor	3.3000e-004	9.5800e-003	2.6400e-003	3.0000e-005	7.8000e-004	4.0000e-005	8.1000e-004	2.2000e-004	3.0000e-005	2.6000e-004	0.0000	2.7704	2.7704	1.2000e-004	0.0000	2.7734
Worker	4.2000e-004	3.4000e-004	3.0500e-003	1.0000e-005	9.8000e-004	1.0000e-005	9.8000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7675	0.7675	2.0000e-005	0.0000	0.7681
Total	1.1400e-003	0.0239	9.0300e-003	8.0000e-005	2.6500e-003	1.1000e-004	2.7300e-003	7.2000e-004	9.0000e-005	8.3000e-004	0.0000	7.4460	7.4460	3.7000e-004	0.0000	7.4554

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**3.3 230-kV Transmission Foundation Tower Installation Remove
two towers - 2022****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	0.0420	0.3901	0.2577	8.6000e-004		0.0160	0.0160		0.0147	0.0147	0.0000	75.4715	75.4715	0.0244	0.0000	76.0817
Total	0.0420	0.3901	0.2577	8.6000e-004		0.0160	0.0160		0.0147	0.0147	0.0000	75.4715	75.4715	0.0244	0.0000	76.0817

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	1.4200e-003	0.0418	0.0115	1.3000e-004	3.3900e-003	1.6000e-004	3.5500e-003	9.8000e-004	1.5000e-004	1.1300e-003	0.0000	12.0888	12.0888	5.3000e-004	0.0000	12.1020
Worker	2.2700e-003	1.8300e-003	0.0167	5.0000e-005	5.3300e-003	3.0000e-005	5.3700e-003	1.4200e-003	3.0000e-005	1.4500e-003	0.0000	4.1864	4.1864	1.2000e-004	0.0000	4.1894
Total	3.6900e-003	0.0436	0.0282	1.8000e-004	8.7200e-003	1.9000e-004	8.9200e-003	2.4000e-003	1.8000e-004	2.5800e-003	0.0000	16.2752	16.2752	6.5000e-004	0.0000	16.2914

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**3.3 230-kV Transmission Foundation Tower Installation Remove
two towers - 2022****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	0.0420	0.3901	0.2577	8.6000e-004		0.0160	0.0160		0.0147	0.0147	0.0000	75.4714	75.4714	0.0244	0.0000	76.0816
Total	0.0420	0.3901	0.2577	8.6000e-004		0.0160	0.0160		0.0147	0.0147	0.0000	75.4714	75.4714	0.0244	0.0000	76.0816

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	1.4200e-003	0.0418	0.0115	1.3000e-004	3.3900e-003	1.6000e-004	3.5500e-003	9.8000e-004	1.5000e-004	1.1300e-003	0.0000	12.0888	12.0888	5.3000e-004	0.0000	12.1020
Worker	2.2700e-003	1.8300e-003	0.0167	5.0000e-005	5.3300e-003	3.0000e-005	5.3700e-003	1.4200e-003	3.0000e-005	1.4500e-003	0.0000	4.1864	4.1864	1.2000e-004	0.0000	4.1894
Total	3.6900e-003	0.0436	0.0282	1.8000e-004	8.7200e-003	1.9000e-004	8.9200e-003	2.4000e-003	1.8000e-004	2.5800e-003	0.0000	16.2752	16.2752	6.5000e-004	0.0000	16.2914

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3.4 Reconductoring Segment Site Development Mobilization - 2022**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					4.7700e-003	0.0000	4.7700e-003	5.2000e-004	0.0000	5.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3600e-003	0.0287	0.0145	4.0000e-005		1.0200e-003	1.0200e-003		9.4000e-004	9.4000e-004	0.0000	3.4378	3.4378	1.1100e-003	0.0000	3.4656
Total	2.3600e-003	0.0287	0.0145	4.0000e-005	4.7700e-003	1.0200e-003	5.7900e-003	5.2000e-004	9.4000e-004	1.4600e-003	0.0000	3.4378	3.4378	1.1100e-003	0.0000	3.4656

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	3.0000e-004	8.7100e-003	2.4000e-003	3.0000e-005	7.1000e-004	3.0000e-005	7.4000e-004	2.0000e-004	3.0000e-005	2.4000e-004	0.0000	2.5185	2.5185	1.1000e-004	0.0000	2.5213
Worker	2.8000e-004	2.2000e-004	2.0400e-003	1.0000e-005	6.1000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4864	0.4864	1.0000e-005	0.0000	0.4868
Total	5.8000e-004	8.9300e-003	4.4400e-003	4.0000e-005	1.3200e-003	3.0000e-005	1.3600e-003	3.6000e-004	3.0000e-005	4.1000e-004	0.0000	3.0049	3.0049	1.2000e-004	0.0000	3.0081

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3.4 Reconductoring Segment Site Development Mobilization - 2022**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					1.8600e-003	0.0000	1.8600e-003	2.0000e-004	0.0000	2.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3600e-003	0.0287	0.0145	4.0000e-005		1.0200e-003	1.0200e-003		9.4000e-004	9.4000e-004	0.0000	3.4378	3.4378	1.1100e-003	0.0000	3.4655
Total	2.3600e-003	0.0287	0.0145	4.0000e-005	1.8600e-003	1.0200e-003	2.8800e-003	2.0000e-004	9.4000e-004	1.1400e-003	0.0000	3.4378	3.4378	1.1100e-003	0.0000	3.4655

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	3.0000e-004	8.7100e-003	2.4000e-003	3.0000e-005	7.1000e-004	3.0000e-005	7.4000e-004	2.0000e-004	3.0000e-005	2.4000e-004	0.0000	2.5185	2.5185	1.1000e-004	0.0000	2.5213
Worker	2.8000e-004	2.2000e-004	2.0400e-003	1.0000e-005	6.1000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4864	0.4864	1.0000e-005	0.0000	0.4868
Total	5.8000e-004	8.9300e-003	4.4400e-003	4.0000e-005	1.3200e-003	3.0000e-005	1.3600e-003	3.6000e-004	3.0000e-005	4.1000e-004	0.0000	3.0049	3.0049	1.2000e-004	0.0000	3.0081

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**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2022**
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	0.1029	0.9993	0.6134	2.2400e-003		0.0390	0.0390		0.0359	0.0359	0.0000	196.5574	196.5574	0.0636	0.0000	198.1467
Total	0.1029	0.9993	0.6134	2.2400e-003		0.0390	0.0390		0.0359	0.0359	0.0000	196.5574	196.5574	0.0636	0.0000	198.1467

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	3.8500e-003	0.1132	0.0312	3.4000e-004	9.1800e-003	4.2000e-004	9.6100e-003	2.6500e-003	4.1000e-004	3.0600e-003	0.0000	32.7405	32.7405	1.4300e-003	0.0000	32.7762
Worker	5.2800e-003	3.9800e-003	0.0376	9.0000e-005	0.0107	7.0000e-005	0.0108	2.8400e-003	7.0000e-005	2.9100e-003	0.0000	8.5383	8.5383	2.6000e-004	0.0000	8.5449
Total	9.1300e-003	0.1172	0.0688	4.3000e-004	0.0199	4.9000e-004	0.0204	5.4900e-003	4.8000e-004	5.9700e-003	0.0000	41.2788	41.2788	1.6900e-003	0.0000	41.3211

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**3.5 Reconductoring Segment Pole Installation Transfer
Distribution Pole Removal - 2022**
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	0.1029	0.9993	0.6134	2.2400e-003		0.0390	0.0390		0.0359	0.0359	0.0000	196.5572	196.5572	0.0636	0.0000	198.1464
Total	0.1029	0.9993	0.6134	2.2400e-003		0.0390	0.0390		0.0359	0.0359	0.0000	196.5572	196.5572	0.0636	0.0000	198.1464

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	3.8500e-003	0.1132	0.0312	3.4000e-004	9.1800e-003	4.2000e-004	9.6100e-003	2.6500e-003	4.1000e-004	3.0600e-003	0.0000	32.7405	32.7405	1.4300e-003	0.0000	32.7762
Worker	5.2800e-003	3.9800e-003	0.0376	9.0000e-005	0.0107	7.0000e-005	0.0108	2.8400e-003	7.0000e-005	2.9100e-003	0.0000	8.5383	8.5383	2.6000e-004	0.0000	8.5449
Total	9.1300e-003	0.1172	0.0688	4.3000e-004	0.0199	4.9000e-004	0.0204	5.4900e-003	4.8000e-004	5.9700e-003	0.0000	41.2788	41.2788	1.6900e-003	0.0000	41.3211

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3.5 Reconductoring Segment Pole Installation Transfer Distribution Pole Removal - 2023

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	0.0341	0.3161	0.2098	7.8000e-004		0.0124	0.0124		0.0114	0.0114	0.0000	68.8424	68.8424	0.0223	0.0000	69.3991
Total	0.0341	0.3161	0.2098	7.8000e-004		0.0124	0.0124		0.0114	0.0114	0.0000	68.8424	68.8424	0.0223	0.0000	69.3991

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	1.0100e-003	0.0305	9.6300e-003	1.2000e-004	3.2100e-003	7.0000e-005	3.2800e-003	9.3000e-004	7.0000e-005	9.9000e-004	0.0000	11.2417	11.2417	4.6000e-004	0.0000	11.2533
Worker	1.7300e-003	1.2500e-003	0.0120	3.0000e-005	3.7400e-003	2.0000e-005	3.7600e-003	9.9000e-004	2.0000e-005	1.0200e-003	0.0000	2.8766	2.8766	8.0000e-005	0.0000	2.8786
Total	2.7400e-003	0.0318	0.0216	1.5000e-004	6.9500e-003	9.0000e-005	7.0400e-003	1.9200e-003	9.0000e-005	2.0100e-003	0.0000	14.1183	14.1183	5.4000e-004	0.0000	14.1319

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3.5 Reconductoring Segment Pole Installation Transfer Distribution Pole Removal - 2023

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	0.0341	0.3161	0.2098	7.8000e-004		0.0124	0.0124		0.0114	0.0114	0.0000	68.8423	68.8423	0.0223	0.0000	69.3990
Total	0.0341	0.3161	0.2098	7.8000e-004		0.0124	0.0124		0.0114	0.0114	0.0000	68.8423	68.8423	0.0223	0.0000	69.3990

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	1.0100e-003	0.0305	9.6300e-003	1.2000e-004	3.2100e-003	7.0000e-005	3.2800e-003	9.3000e-004	7.0000e-005	9.9000e-004	0.0000	11.2417	11.2417	4.6000e-004	0.0000	11.2533
Worker	1.7300e-003	1.2500e-003	0.0120	3.0000e-005	3.7400e-003	2.0000e-005	3.7600e-003	9.9000e-004	2.0000e-005	1.0200e-003	0.0000	2.8766	2.8766	8.0000e-005	0.0000	2.8786
Total	2.7400e-003	0.0318	0.0216	1.5000e-004	6.9500e-003	9.0000e-005	7.0400e-003	1.9200e-003	9.0000e-005	2.0100e-003	0.0000	14.1183	14.1183	5.4000e-004	0.0000	14.1319

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3.6 230-kV Substation Access Roads - 2022**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	8.3200e-003	0.0683	0.0672	2.0000e-004		2.8300e-003	2.8300e-003		2.6100e-003	2.6100e-003	0.0000	17.2027	17.2027	5.5600e-003	0.0000	17.3418
Total	8.3200e-003	0.0683	0.0672	2.0000e-004	0.0000	2.8300e-003	2.8300e-003	0.0000	2.6100e-003	2.6100e-003	0.0000	17.2027	17.2027	5.5600e-003	0.0000	17.3418

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	4.0000e-004	0.0137	4.0000e-003	2.0000e-005	3.5000e-004	2.0000e-005	3.7000e-004	1.0000e-004	2.0000e-005	1.2000e-004	0.0000	1.9974	1.9974	1.7000e-004	0.0000	2.0015
Worker	4.0000e-004	3.2000e-004	2.9300e-003	1.0000e-005	9.0000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.7118	0.7118	2.0000e-005	0.0000	0.7123
Total	8.0000e-004	0.0140	6.9300e-003	3.0000e-005	1.2500e-003	3.0000e-005	1.2800e-003	3.4000e-004	3.0000e-005	3.7000e-004	0.0000	2.7091	2.7091	1.9000e-004	0.0000	2.7138

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3.6 230-kV Substation Access Roads - 2022**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	8.3200e-003	0.0683	0.0672	2.0000e-004		2.8300e-003	2.8300e-003		2.6100e-003	2.6100e-003	0.0000	17.2026	17.2026	5.5600e-003	0.0000	17.3417
Total	8.3200e-003	0.0683	0.0672	2.0000e-004	0.0000	2.8300e-003	2.8300e-003	0.0000	2.6100e-003	2.6100e-003	0.0000	17.2026	17.2026	5.5600e-003	0.0000	17.3417

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	4.0000e-004	0.0137	4.0000e-003	2.0000e-005	3.5000e-004	2.0000e-005	3.7000e-004	1.0000e-004	2.0000e-005	1.2000e-004	0.0000	1.9974	1.9974	1.7000e-004	0.0000	2.0015
Worker	4.0000e-004	3.2000e-004	2.9300e-003	1.0000e-005	9.0000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.7118	0.7118	2.0000e-005	0.0000	0.7123
Total	8.0000e-004	0.0140	6.9300e-003	3.0000e-005	1.2500e-003	3.0000e-005	1.2800e-003	3.4000e-004	3.0000e-005	3.7000e-004	0.0000	2.7091	2.7091	1.9000e-004	0.0000	2.7138

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**3.7 230-kV Substation Site Prep Grading Entrance Road Culverts
Mobilization - 2022**
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					0.0869	0.0000	0.0869	0.0413	0.0000	0.0413	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0799	0.7149	0.5055	1.6900e-003		0.0279	0.0279		0.0257	0.0257	0.0000	148.5410	148.5410	0.0480	0.0000	149.7420
Total	0.0799	0.7149	0.5055	1.6900e-003	0.0869	0.0279	0.1148	0.0413	0.0257	0.0670	0.0000	148.5410	148.5410	0.0480	0.0000	149.7420

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	1.4900e-003	0.0528	0.0126	1.5000e-004	3.3500e-003	2.1000e-004	3.5600e-003	9.2000e-004	2.0000e-004	1.1200e-003	0.0000	14.7683	14.7683	8.8000e-004	0.0000	14.7902
Vendor	6.5000e-004	0.0232	6.8300e-003	3.0000e-005	4.0000e-004	3.0000e-005	4.3000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	2.9077	2.9077	2.8000e-004	0.0000	2.9147
Worker	8.3000e-004	6.5000e-004	6.0000e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4369	1.4369	4.0000e-005	0.0000	1.4379
Total	2.9700e-003	0.0767	0.0254	2.0000e-004	5.5600e-003	2.5000e-004	5.8200e-003	1.5200e-003	2.4000e-004	1.7600e-003	0.0000	19.1129	19.1129	1.2000e-003	0.0000	19.1428

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**3.7 230-kV Substation Site Prep Grading Entrance Road Culverts
Mobilization - 2022**
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					0.0339	0.0000	0.0339	0.0161	0.0000	0.0161	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0799	0.7149	0.5055	1.6900e-003		0.0279	0.0279		0.0257	0.0257	0.0000	148.5408	148.5408	0.0480	0.0000	149.7419
Total	0.0799	0.7149	0.5055	1.6900e-003	0.0339	0.0279	0.0618	0.0161	0.0257	0.0418	0.0000	148.5408	148.5408	0.0480	0.0000	149.7419

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	1.4900e-003	0.0528	0.0126	1.5000e-004	3.3500e-003	2.1000e-004	3.5600e-003	9.2000e-004	2.0000e-004	1.1200e-003	0.0000	14.7683	14.7683	8.8000e-004	0.0000	14.7902
Vendor	6.5000e-004	0.0232	6.8300e-003	3.0000e-005	4.0000e-004	3.0000e-005	4.3000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	2.9077	2.9077	2.8000e-004	0.0000	2.9147
Worker	8.3000e-004	6.5000e-004	6.0000e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4369	1.4369	4.0000e-005	0.0000	1.4379
Total	2.9700e-003	0.0767	0.0254	2.0000e-004	5.5600e-003	2.5000e-004	5.8200e-003	1.5200e-003	2.4000e-004	1.7600e-003	0.0000	19.1129	19.1129	1.2000e-003	0.0000	19.1428

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3.8 230-kV Substation Fence and Gate Installation - 2022**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	2.1000e-004	2.7900e-003	4.1600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.5454	0.5454	1.8000e-004	0.0000	0.5498
Total	2.1000e-004	2.7900e-003	4.1600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.5454	0.5454	1.8000e-004	0.0000	0.5498

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	3.6000e-004	0.0124	3.6200e-003	2.0000e-005	3.1000e-004	2.0000e-005	3.3000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.7900	1.7900	1.5000e-004	0.0000	1.7937
Worker	2.4000e-004	1.8000e-004	1.6900e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.3771	0.3771	1.0000e-005	0.0000	0.3774
Total	6.0000e-004	0.0126	5.3100e-003	2.0000e-005	7.8000e-004	2.0000e-005	8.0000e-004	2.1000e-004	2.0000e-005	2.4000e-004	0.0000	2.1671	2.1671	1.6000e-004	0.0000	2.1711

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3.8 230-kV Substation Fence and Gate Installation - 2022**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	2.1000e-004	2.7900e-003	4.1600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.5454	0.5454	1.8000e-004	0.0000	0.5498
Total	2.1000e-004	2.7900e-003	4.1600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.5454	0.5454	1.8000e-004	0.0000	0.5498

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	3.6000e-004	0.0124	3.6200e-003	2.0000e-005	3.1000e-004	2.0000e-005	3.3000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.7900	1.7900	1.5000e-004	0.0000	1.7937
Worker	2.4000e-004	1.8000e-004	1.6900e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.3771	0.3771	1.0000e-005	0.0000	0.3774
Total	6.0000e-004	0.0126	5.3100e-003	2.0000e-005	7.8000e-004	2.0000e-005	8.0000e-004	2.1000e-004	2.0000e-005	2.4000e-004	0.0000	2.1671	2.1671	1.6000e-004	0.0000	2.1711

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3.9 Reconductoring Segment Conductor Installation - 2022**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	0.1015	0.7918	0.6945	2.4200e-003		0.0316	0.0316		0.0291	0.0291	0.0000	212.3700	212.3700	0.0687	0.0000	214.0872
Total	0.1015	0.7918	0.6945	2.4200e-003		0.0316	0.0316		0.0291	0.0291	0.0000	212.3700	212.3700	0.0687	0.0000	214.0872

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	1.7800e-003	0.0523	0.0144	1.6000e-004	4.2400e-003	2.0000e-004	4.4300e-003	1.2200e-003	1.9000e-004	1.4100e-003	0.0000	15.1110	15.1110	6.6000e-004	0.0000	15.1275
Worker	2.6000e-003	2.0200e-003	0.0188	5.0000e-005	5.6000e-003	4.0000e-005	5.6400e-003	1.4900e-003	3.0000e-005	1.5200e-003	0.0000	4.4438	4.4438	1.3000e-004	0.0000	4.4471
Total	4.3800e-003	0.0543	0.0332	2.1000e-004	9.8400e-003	2.4000e-004	0.0101	2.7100e-003	2.2000e-004	2.9300e-003	0.0000	19.5547	19.5547	7.9000e-004	0.0000	19.5746

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3.9 Reconductoring Segment Conductor Installation - 2022**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	0.1015	0.7918	0.6945	2.4200e-003		0.0316	0.0316		0.0291	0.0291	0.0000	212.3698	212.3698	0.0687	0.0000	214.0869
Total	0.1015	0.7918	0.6945	2.4200e-003		0.0316	0.0316		0.0291	0.0291	0.0000	212.3698	212.3698	0.0687	0.0000	214.0869

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	1.7800e-003	0.0523	0.0144	1.6000e-004	4.2400e-003	2.0000e-004	4.4300e-003	1.2200e-003	1.9000e-004	1.4100e-003	0.0000	15.1110	15.1110	6.6000e-004	0.0000	15.1275
Worker	2.6000e-003	2.0200e-003	0.0188	5.0000e-005	5.6000e-003	4.0000e-005	5.6400e-003	1.4900e-003	3.0000e-005	1.5200e-003	0.0000	4.4438	4.4438	1.3000e-004	0.0000	4.4471
Total	4.3800e-003	0.0543	0.0332	2.1000e-004	9.8400e-003	2.4000e-004	0.0101	2.7100e-003	2.2000e-004	2.9300e-003	0.0000	19.5547	19.5547	7.9000e-004	0.0000	19.5746

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3.9 Reconductoring Segment Conductor Installation - 2023**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	0.0669	0.4906	0.4734	1.6800e-003		0.0192	0.0192		0.0177	0.0177	0.0000	147.5765	147.5765	0.0477	0.0000	148.7697
Total	0.0669	0.4906	0.4734	1.6800e-003		0.0192	0.0192		0.0177	0.0177	0.0000	147.5765	147.5765	0.0477	0.0000	148.7697

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	9.3000e-004	0.0280	8.8200e-003	1.1000e-004	2.9400e-003	6.0000e-005	3.0100e-003	8.5000e-004	6.0000e-005	9.1000e-004	0.0000	10.2946	10.2946	4.2000e-004	0.0000	10.3052
Worker	1.6900e-003	1.2600e-003	0.0119	3.0000e-005	3.8900e-003	3.0000e-005	3.9200e-003	1.0300e-003	2.0000e-005	1.0600e-003	0.0000	2.9704	2.9704	8.0000e-005	0.0000	2.9724
Total	2.6200e-003	0.0292	0.0207	1.4000e-004	6.8300e-003	9.0000e-005	6.9300e-003	1.8800e-003	8.0000e-005	1.9700e-003	0.0000	13.2650	13.2650	5.0000e-004	0.0000	13.2777

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3.9 Reconductoring Segment Conductor Installation - 2023**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	0.0669	0.4906	0.4734	1.6800e-003		0.0192	0.0192		0.0177	0.0177	0.0000	147.5763	147.5763	0.0477	0.0000	148.7695
Total	0.0669	0.4906	0.4734	1.6800e-003		0.0192	0.0192		0.0177	0.0177	0.0000	147.5763	147.5763	0.0477	0.0000	148.7695

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	9.3000e-004	0.0280	8.8200e-003	1.1000e-004	2.9400e-003	6.0000e-005	3.0100e-003	8.5000e-004	6.0000e-005	9.1000e-004	0.0000	10.2946	10.2946	4.2000e-004	0.0000	10.3052
Worker	1.6900e-003	1.2600e-003	0.0119	3.0000e-005	3.8900e-003	3.0000e-005	3.9200e-003	1.0300e-003	2.0000e-005	1.0600e-003	0.0000	2.9704	2.9704	8.0000e-005	0.0000	2.9724
Total	2.6200e-003	0.0292	0.0207	1.4000e-004	6.8300e-003	9.0000e-005	6.9300e-003	1.8800e-003	8.0000e-005	1.9700e-003	0.0000	13.2650	13.2650	5.0000e-004	0.0000	13.2777

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3.10 230-kV Substation Foundation Construction - 2022**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	0.0101	0.1067	0.0832	2.7000e-004		4.2800e-003	4.2800e-003		3.9400e-003	3.9400e-003	0.0000	23.6956	23.6956	7.6600e-003	0.0000	23.8871
Total	0.0101	0.1067	0.0832	2.7000e-004		4.2800e-003	4.2800e-003		3.9400e-003	3.9400e-003	0.0000	23.6956	23.6956	7.6600e-003	0.0000	23.8871

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	1.1100e-003	0.0385	0.0112	6.0000e-005	9.5000e-004	7.0000e-005	1.0100e-003	2.7000e-004	6.0000e-005	3.4000e-004	0.0000	5.5489	5.5489	4.6000e-004	0.0000	5.5605
Worker	1.1000e-003	8.7000e-004	8.0000e-003	2.0000e-005	2.4600e-003	2.0000e-005	2.4700e-003	6.5000e-004	1.0000e-005	6.7000e-004	0.0000	1.9417	1.9417	6.0000e-005	0.0000	1.9432
Total	2.2100e-003	0.0393	0.0192	8.0000e-005	3.4100e-003	9.0000e-005	3.4800e-003	9.2000e-004	7.0000e-005	1.0100e-003	0.0000	7.4906	7.4906	5.2000e-004	0.0000	7.5036

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3.10 230-kV Substation Foundation Construction - 2022**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	0.0101	0.1067	0.0832	2.7000e-004		4.2800e-003	4.2800e-003		3.9400e-003	3.9400e-003	0.0000	23.6955	23.6955	7.6600e-003	0.0000	23.8871
Total	0.0101	0.1067	0.0832	2.7000e-004		4.2800e-003	4.2800e-003		3.9400e-003	3.9400e-003	0.0000	23.6955	23.6955	7.6600e-003	0.0000	23.8871

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	1.1100e-003	0.0385	0.0112	6.0000e-005	9.5000e-004	7.0000e-005	1.0100e-003	2.7000e-004	6.0000e-005	3.4000e-004	0.0000	5.5489	5.5489	4.6000e-004	0.0000	5.5605
Worker	1.1000e-003	8.7000e-004	8.0000e-003	2.0000e-005	2.4600e-003	2.0000e-005	2.4700e-003	6.5000e-004	1.0000e-005	6.7000e-004	0.0000	1.9417	1.9417	6.0000e-005	0.0000	1.9432
Total	2.2100e-003	0.0393	0.0192	8.0000e-005	3.4100e-003	9.0000e-005	3.4800e-003	9.2000e-004	7.0000e-005	1.0100e-003	0.0000	7.4906	7.4906	5.2000e-004	0.0000	7.5036

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3.11 70-kV Substation Mobilization - 2022**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					1.4600e-003	0.0000	1.4600e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5900e-003	0.0191	0.0109	3.0000e-005		7.1000e-004	7.1000e-004		6.5000e-004	6.5000e-004	0.0000	2.3514	2.3514	7.6000e-004	0.0000	2.3704
Total	1.5900e-003	0.0191	0.0109	3.0000e-005	1.4600e-003	7.1000e-004	2.1700e-003	1.6000e-004	6.5000e-004	8.1000e-004	0.0000	2.3514	2.3514	7.6000e-004	0.0000	2.3704

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	1.6000e-004	4.7900e-003	1.3200e-003	1.0000e-005	3.9000e-004	2.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.3852	1.3852	6.0000e-005	0.0000	1.3867
Worker	2.3000e-004	1.8000e-004	1.6700e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.3969	0.3969	1.0000e-005	0.0000	0.3972
Total	3.9000e-004	4.9700e-003	2.9900e-003	1.0000e-005	8.9000e-004	2.0000e-005	9.1000e-004	2.4000e-004	2.0000e-005	2.7000e-004	0.0000	1.7820	1.7820	7.0000e-005	0.0000	1.7838

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3.11 70-kV Substation Mobilization - 2022**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					5.7000e-004	0.0000	5.7000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5900e-003	0.0191	0.0109	3.0000e-005		7.1000e-004	7.1000e-004		6.5000e-004	6.5000e-004	0.0000	2.3514	2.3514	7.6000e-004	0.0000	2.3704
Total	1.5900e-003	0.0191	0.0109	3.0000e-005	5.7000e-004	7.1000e-004	1.2800e-003	6.0000e-005	6.5000e-004	7.1000e-004	0.0000	2.3514	2.3514	7.6000e-004	0.0000	2.3704

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	1.6000e-004	4.7900e-003	1.3200e-003	1.0000e-005	3.9000e-004	2.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.3852	1.3852	6.0000e-005	0.0000	1.3867
Worker	2.3000e-004	1.8000e-004	1.6700e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.3969	0.3969	1.0000e-005	0.0000	0.3972
Total	3.9000e-004	4.9700e-003	2.9900e-003	1.0000e-005	8.9000e-004	2.0000e-005	9.1000e-004	2.4000e-004	2.0000e-005	2.7000e-004	0.0000	1.7820	1.7820	7.0000e-005	0.0000	1.7838

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3.12 70-kV Substation Foundation Construction - 2022**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	0.0200	0.1940	0.1823	4.2000e-004		0.0107	0.0107		9.8100e-003	9.8100e-003	0.0000	37.0643	37.0643	0.0120	0.0000	37.3639
Total	0.0200	0.1940	0.1823	4.2000e-004		0.0107	0.0107		9.8100e-003	9.8100e-003	0.0000	37.0643	37.0643	0.0120	0.0000	37.3639

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	1.7000e-003	0.0500	0.0138	1.5000e-004	4.0600e-003	1.9000e-004	4.2400e-003	1.1700e-003	1.8000e-004	1.3500e-003	0.0000	14.4604	14.4604	6.3000e-004	0.0000	14.4762
Worker	1.6300e-003	1.2900e-003	0.0119	3.0000e-005	3.6500e-003	2.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.8816	2.8816	8.0000e-005	0.0000	2.8837
Total	3.3300e-003	0.0513	0.0256	1.8000e-004	7.7100e-003	2.1000e-004	7.9100e-003	2.1400e-003	2.0000e-004	2.3400e-003	0.0000	17.3420	17.3420	7.1000e-004	0.0000	17.3599

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3.12 70-kV Substation Foundation Construction - 2022**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	0.0200	0.1940	0.1823	4.2000e-004		0.0107	0.0107		9.8100e-003	9.8100e-003	0.0000	37.0642	37.0642	0.0120	0.0000	37.3639
Total	0.0200	0.1940	0.1823	4.2000e-004		0.0107	0.0107		9.8100e-003	9.8100e-003	0.0000	37.0642	37.0642	0.0120	0.0000	37.3639

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	1.7000e-003	0.0500	0.0138	1.5000e-004	4.0600e-003	1.9000e-004	4.2400e-003	1.1700e-003	1.8000e-004	1.3500e-003	0.0000	14.4604	14.4604	6.3000e-004	0.0000	14.4762
Worker	1.6300e-003	1.2900e-003	0.0119	3.0000e-005	3.6500e-003	2.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.8816	2.8816	8.0000e-005	0.0000	2.8837
Total	3.3300e-003	0.0513	0.0256	1.8000e-004	7.7100e-003	2.1000e-004	7.9100e-003	2.1400e-003	2.0000e-004	2.3400e-003	0.0000	17.3420	17.3420	7.1000e-004	0.0000	17.3599

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3.13 70-kV Substation Ground Grid Conduit Installation - 2022**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	0.0105	0.1005	0.0961	1.3000e-004		6.5500e-003	6.5500e-003		6.0300e-003	6.0300e-003	0.0000	11.3264	11.3264	3.6600e-003	0.0000	11.4180
Total	0.0105	0.1005	0.0961	1.3000e-004		6.5500e-003	6.5500e-003		6.0300e-003	6.0300e-003	0.0000	11.3264	11.3264	3.6600e-003	0.0000	11.4180

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	1.1800e-003	0.0346	9.5400e-003	1.0000e-004	2.8100e-003	1.3000e-004	2.9400e-003	8.1000e-004	1.2000e-004	9.3000e-004	0.0000	10.0110	10.0110	4.4000e-004	0.0000	10.0220
Worker	8.9000e-004	7.0000e-004	6.4600e-003	2.0000e-005	1.9900e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.5718	1.5718	5.0000e-005	0.0000	1.5730
Total	2.0700e-003	0.0353	0.0160	1.2000e-004	4.8000e-003	1.4000e-004	4.9400e-003	1.3400e-003	1.3000e-004	1.4700e-003	0.0000	11.5828	11.5828	4.9000e-004	0.0000	11.5949

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3.13 70-kV Substation Ground Grid Conduit Installation - 2022**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	0.0105	0.1005	0.0961	1.3000e-004		6.5500e-003	6.5500e-003		6.0300e-003	6.0300e-003	0.0000	11.3264	11.3264	3.6600e-003	0.0000	11.4180
Total	0.0105	0.1005	0.0961	1.3000e-004		6.5500e-003	6.5500e-003		6.0300e-003	6.0300e-003	0.0000	11.3264	11.3264	3.6600e-003	0.0000	11.4180

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	1.1800e-003	0.0346	9.5400e-003	1.0000e-004	2.8100e-003	1.3000e-004	2.9400e-003	8.1000e-004	1.2000e-004	9.3000e-004	0.0000	10.0110	10.0110	4.4000e-004	0.0000	10.0220
Worker	8.9000e-004	7.0000e-004	6.4600e-003	2.0000e-005	1.9900e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.5718	1.5718	5.0000e-005	0.0000	1.5730
Total	2.0700e-003	0.0353	0.0160	1.2000e-004	4.8000e-003	1.4000e-004	4.9400e-003	1.3400e-003	1.3000e-004	1.4700e-003	0.0000	11.5828	11.5828	4.9000e-004	0.0000	11.5949

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3.14 230-kV Substation Ground Grid Conduit Installation - 2022**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	4.3700e-003	0.0406	0.0312	4.0000e-005		2.8700e-003	2.8700e-003		2.6400e-003	2.6400e-003	0.0000	3.5592	3.5592	1.1500e-003	0.0000	3.5880
Total	4.3700e-003	0.0406	0.0312	4.0000e-005		2.8700e-003	2.8700e-003		2.6400e-003	2.6400e-003	0.0000	3.5592	3.5592	1.1500e-003	0.0000	3.5880

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	6.1000e-004	0.0218	6.4200e-003	3.0000e-005	3.0000e-004	3.0000e-005	3.2000e-004	9.0000e-005	3.0000e-005	1.1000e-004	0.0000	2.5209	2.5209	2.6000e-004	0.0000	2.5274
Worker	4.3000e-004	3.4000e-004	3.1100e-003	1.0000e-005	9.8000e-004	1.0000e-005	9.8000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7684	0.7684	2.0000e-005	0.0000	0.7690
Total	1.0400e-003	0.0221	9.5300e-003	4.0000e-005	1.2800e-003	4.0000e-005	1.3000e-003	3.5000e-004	4.0000e-005	3.8000e-004	0.0000	3.2893	3.2893	2.8000e-004	0.0000	3.2964

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3.14 230-kV Substation Ground Grid Conduit Installation - 2022**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	4.3700e-003	0.0406	0.0312	4.0000e-005		2.8700e-003	2.8700e-003		2.6400e-003	2.6400e-003	0.0000	3.5592	3.5592	1.1500e-003	0.0000	3.5880
Total	4.3700e-003	0.0406	0.0312	4.0000e-005		2.8700e-003	2.8700e-003		2.6400e-003	2.6400e-003	0.0000	3.5592	3.5592	1.1500e-003	0.0000	3.5880

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	6.1000e-004	0.0218	6.4200e-003	3.0000e-005	3.0000e-004	3.0000e-005	3.2000e-004	9.0000e-005	3.0000e-005	1.1000e-004	0.0000	2.5209	2.5209	2.6000e-004	0.0000	2.5274
Worker	4.3000e-004	3.4000e-004	3.1100e-003	1.0000e-005	9.8000e-004	1.0000e-005	9.8000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7684	0.7684	2.0000e-005	0.0000	0.7690
Total	1.0400e-003	0.0221	9.5300e-003	4.0000e-005	1.2800e-003	4.0000e-005	1.3000e-003	3.5000e-004	4.0000e-005	3.8000e-004	0.0000	3.2893	3.2893	2.8000e-004	0.0000	3.2964

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3.15 230-kV Substation Steel Bus Erection - 2022**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	5.5500e-003	0.0443	0.0417	1.4000e-004		1.5400e-003	1.5400e-003		1.4100e-003	1.4100e-003	0.0000	12.6916	12.6916	4.1000e-003	0.0000	12.7943
Total	5.5500e-003	0.0443	0.0417	1.4000e-004		1.5400e-003	1.5400e-003		1.4100e-003	1.4100e-003	0.0000	12.6916	12.6916	4.1000e-003	0.0000	12.7943

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	5.4000e-004	0.0193	5.6900e-003	3.0000e-005	3.3000e-004	3.0000e-005	3.6000e-004	1.0000e-004	3.0000e-005	1.2000e-004	0.0000	2.4231	2.4231	2.3000e-004	0.0000	2.4289
Worker	3.7000e-004	2.9000e-004	2.6800e-003	1.0000e-005	8.5000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.3000e-004	0.0000	0.6680	0.6680	2.0000e-005	0.0000	0.6685
Total	9.1000e-004	0.0196	8.3700e-003	4.0000e-005	1.1800e-003	4.0000e-005	1.2200e-003	3.3000e-004	4.0000e-005	3.5000e-004	0.0000	3.0911	3.0911	2.5000e-004	0.0000	3.0974

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3.15 230-kV Substation Steel Bus Erection - 2022**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	5.5500e-003	0.0443	0.0417	1.4000e-004		1.5400e-003	1.5400e-003		1.4100e-003	1.4100e-003	0.0000	12.6916	12.6916	4.1000e-003	0.0000	12.7943
Total	5.5500e-003	0.0443	0.0417	1.4000e-004		1.5400e-003	1.5400e-003		1.4100e-003	1.4100e-003	0.0000	12.6916	12.6916	4.1000e-003	0.0000	12.7943

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	5.4000e-004	0.0193	5.6900e-003	3.0000e-005	3.3000e-004	3.0000e-005	3.6000e-004	1.0000e-004	3.0000e-005	1.2000e-004	0.0000	2.4231	2.4231	2.3000e-004	0.0000	2.4289
Worker	3.7000e-004	2.9000e-004	2.6800e-003	1.0000e-005	8.5000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.3000e-004	0.0000	0.6680	0.6680	2.0000e-005	0.0000	0.6685
Total	9.1000e-004	0.0196	8.3700e-003	4.0000e-005	1.1800e-003	4.0000e-005	1.2200e-003	3.3000e-004	4.0000e-005	3.5000e-004	0.0000	3.0911	3.0911	2.5000e-004	0.0000	3.0974

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3.15 230-kV Substation Steel Bus Erection - 2023**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	1.0600e-003	7.9200e-003	8.1900e-003	3.0000e-005		2.7000e-004	2.7000e-004		2.5000e-004	2.5000e-004	0.0000	2.5400	2.5400	8.2000e-004	0.0000	2.5605
Total	1.0600e-003	7.9200e-003	8.1900e-003	3.0000e-005		2.7000e-004	2.7000e-004		2.5000e-004	2.5000e-004	0.0000	2.5400	2.5400	8.2000e-004	0.0000	2.5605

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	8.0000e-005	3.4100e-003	1.0000e-003	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.4797	0.4797	4.0000e-005	0.0000	0.4807
Worker	7.0000e-005	5.0000e-005	4.9000e-004	0.0000	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1286	0.1286	0.0000	0.0000	0.1287
Total	1.5000e-004	3.4600e-003	1.4900e-003	0.0000	2.4000e-004	0.0000	2.4000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.6083	0.6083	4.0000e-005	0.0000	0.6094

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3.15 230-kV Substation Steel Bus Erection - 2023**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	1.0600e-003	7.9200e-003	8.1900e-003	3.0000e-005		2.7000e-004	2.7000e-004		2.5000e-004	2.5000e-004	0.0000	2.5400	2.5400	8.2000e-004	0.0000	2.5605
Total	1.0600e-003	7.9200e-003	8.1900e-003	3.0000e-005		2.7000e-004	2.7000e-004		2.5000e-004	2.5000e-004	0.0000	2.5400	2.5400	8.2000e-004	0.0000	2.5605

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	8.0000e-005	3.4100e-003	1.0000e-003	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.4797	0.4797	4.0000e-005	0.0000	0.4807
Worker	7.0000e-005	5.0000e-005	4.9000e-004	0.0000	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1286	0.1286	0.0000	0.0000	0.1287
Total	1.5000e-004	3.4600e-003	1.4900e-003	0.0000	2.4000e-004	0.0000	2.4000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.6083	0.6083	4.0000e-005	0.0000	0.6094

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3.16 230-kV Substation Install Yard Rock - 2022**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	2.9900e-003	0.0247	0.0237	8.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	6.7103	6.7103	2.1700e-003	0.0000	6.7646
Total	2.9900e-003	0.0247	0.0237	8.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	6.7103	6.7103	2.1700e-003	0.0000	6.7646

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	6.8000e-004	0.0208	5.8200e-003	6.0000e-005	1.4200e-003	7.0000e-005	1.4800e-003	4.1000e-004	7.0000e-005	4.7000e-004	0.0000	5.3217	5.3217	2.6000e-004	0.0000	5.3282
Worker	2.1000e-004	1.7000e-004	1.5300e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3769	0.3769	1.0000e-005	0.0000	0.3772
Total	8.9000e-004	0.0210	7.3500e-003	6.0000e-005	1.9000e-003	7.0000e-005	1.9600e-003	5.4000e-004	7.0000e-005	6.0000e-004	0.0000	5.6986	5.6986	2.7000e-004	0.0000	5.7054

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3.16 230-kV Substation Install Yard Rock - 2022**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	2.9900e-003	0.0247	0.0237	8.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	6.7103	6.7103	2.1700e-003	0.0000	6.7646
Total	2.9900e-003	0.0247	0.0237	8.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	6.7103	6.7103	2.1700e-003	0.0000	6.7646

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	6.8000e-004	0.0208	5.8200e-003	6.0000e-005	1.4200e-003	7.0000e-005	1.4800e-003	4.1000e-004	7.0000e-005	4.7000e-004	0.0000	5.3217	5.3217	2.6000e-004	0.0000	5.3282
Worker	2.1000e-004	1.7000e-004	1.5300e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3769	0.3769	1.0000e-005	0.0000	0.3772
Total	8.9000e-004	0.0210	7.3500e-003	6.0000e-005	1.9000e-003	7.0000e-005	1.9600e-003	5.4000e-004	7.0000e-005	6.0000e-004	0.0000	5.6986	5.6986	2.7000e-004	0.0000	5.7054

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3.16 230-kV Substation Install Yard Rock - 2023**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	3.5600e-003	0.0277	0.0292	1.0000e-004		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	8.3936	8.3936	2.7100e-003	0.0000	8.4615
Total	3.5600e-003	0.0277	0.0292	1.0000e-004		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	8.3936	8.3936	2.7100e-003	0.0000	8.4615

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	6.5000e-004	0.0206	6.4000e-003	7.0000e-005	1.7700e-003	4.0000e-005	1.8100e-003	5.1000e-004	4.0000e-005	5.5000e-004	0.0000	6.5317	6.5317	3.0000e-004	0.0000	6.5391
Worker	2.5000e-004	1.9000e-004	1.7500e-003	1.0000e-005	6.0000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4535	0.4535	1.0000e-005	0.0000	0.4538
Total	9.0000e-004	0.0208	8.1500e-003	8.0000e-005	2.3700e-003	4.0000e-005	2.4100e-003	6.7000e-004	4.0000e-005	7.1000e-004	0.0000	6.9852	6.9852	3.1000e-004	0.0000	6.9929

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3.16 230-kV Substation Install Yard Rock - 2023**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	3.5600e-003	0.0277	0.0292	1.0000e-004		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	8.3936	8.3936	2.7100e-003	0.0000	8.4614
Total	3.5600e-003	0.0277	0.0292	1.0000e-004		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	8.3936	8.3936	2.7100e-003	0.0000	8.4614

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	6.5000e-004	0.0206	6.4000e-003	7.0000e-005	1.7700e-003	4.0000e-005	1.8100e-003	5.1000e-004	4.0000e-005	5.5000e-004	0.0000	6.5317	6.5317	3.0000e-004	0.0000	6.5391
Worker	2.5000e-004	1.9000e-004	1.7500e-003	1.0000e-005	6.0000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4535	0.4535	1.0000e-005	0.0000	0.4538
Total	9.0000e-004	0.0208	8.1500e-003	8.0000e-005	2.3700e-003	4.0000e-005	2.4100e-003	6.7000e-004	4.0000e-005	7.1000e-004	0.0000	6.9852	6.9852	3.1000e-004	0.0000	6.9929

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3.17 70-kV Substation Steel Bus Erection - 2023**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	0.0107	0.0832	0.0921	3.0000e-004		2.7500e-003	2.7500e-003		2.5300e-003	2.5300e-003	0.0000	26.4162	26.4162	8.5400e-003	0.0000	26.6298
Total	0.0107	0.0832	0.0921	3.0000e-004		2.7500e-003	2.7500e-003		2.5300e-003	2.5300e-003	0.0000	26.4162	26.4162	8.5400e-003	0.0000	26.6298

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	4.3000e-004	0.0131	4.1300e-003	5.0000e-005	1.3800e-003	3.0000e-005	1.4100e-003	4.0000e-004	3.0000e-005	4.3000e-004	0.0000	4.8179	4.8179	2.0000e-004	0.0000	4.8228
Worker	4.3000e-004	3.2000e-004	3.0400e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7565	0.7565	2.0000e-005	0.0000	0.7571
Total	8.6000e-004	0.0134	7.1700e-003	6.0000e-005	2.3700e-003	4.0000e-005	2.4100e-003	6.6000e-004	4.0000e-005	7.0000e-004	0.0000	5.5744	5.5744	2.2000e-004	0.0000	5.5799

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3.17 70-kV Substation Steel Bus Erection - 2023**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	0.0107	0.0832	0.0921	3.0000e-004		2.7500e-003	2.7500e-003		2.5300e-003	2.5300e-003	0.0000	26.4161	26.4161	8.5400e-003	0.0000	26.6297
Total	0.0107	0.0832	0.0921	3.0000e-004		2.7500e-003	2.7500e-003		2.5300e-003	2.5300e-003	0.0000	26.4161	26.4161	8.5400e-003	0.0000	26.6297

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	4.3000e-004	0.0131	4.1300e-003	5.0000e-005	1.3800e-003	3.0000e-005	1.4100e-003	4.0000e-004	3.0000e-005	4.3000e-004	0.0000	4.8179	4.8179	2.0000e-004	0.0000	4.8228
Worker	4.3000e-004	3.2000e-004	3.0400e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7565	0.7565	2.0000e-005	0.0000	0.7571
Total	8.6000e-004	0.0134	7.1700e-003	6.0000e-005	2.3700e-003	4.0000e-005	2.4100e-003	6.6000e-004	4.0000e-005	7.0000e-004	0.0000	5.5744	5.5744	2.2000e-004	0.0000	5.5799

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3.18 230-kV Substation Transformer & Equip Delivery & Installation - 2023**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	0.0274	0.2029	0.2041	7.0000e-004		7.7700e-003	7.7700e-003		7.2400e-003	7.2400e-003	0.0000	61.3416	61.3416	0.0184	0.0000	61.8006
Total	0.0274	0.2029	0.2041	7.0000e-004		7.7700e-003	7.7700e-003		7.2400e-003	7.2400e-003	0.0000	61.3416	61.3416	0.0184	0.0000	61.8006

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	6.3000e-004	0.0255	7.4400e-003	4.0000e-005	4.8000e-004	2.0000e-005	5.0000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	3.5344	3.5344	2.9000e-004	0.0000	3.5417
Worker	7.1000e-004	5.4000e-004	5.0400e-003	1.0000e-005	1.7000e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.2948	1.2948	4.0000e-005	0.0000	1.2957
Total	1.3400e-003	0.0260	0.0125	5.0000e-005	2.1800e-003	3.0000e-005	2.2200e-003	5.9000e-004	3.0000e-005	6.2000e-004	0.0000	4.8292	4.8292	3.3000e-004	0.0000	4.8374

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3.18 230-kV Substation Transformer & Equip Delivery & Installation - 2023**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	0.0274	0.2029	0.2041	7.0000e-004		7.7700e-003	7.7700e-003		7.2400e-003	7.2400e-003	0.0000	61.3416	61.3416	0.0184	0.0000	61.8005
Total	0.0274	0.2029	0.2041	7.0000e-004		7.7700e-003	7.7700e-003		7.2400e-003	7.2400e-003	0.0000	61.3416	61.3416	0.0184	0.0000	61.8005

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	6.3000e-004	0.0255	7.4400e-003	4.0000e-005	4.8000e-004	2.0000e-005	5.0000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	3.5344	3.5344	2.9000e-004	0.0000	3.5417
Worker	7.1000e-004	5.4000e-004	5.0400e-003	1.0000e-005	1.7000e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.2948	1.2948	4.0000e-005	0.0000	1.2957
Total	1.3400e-003	0.0260	0.0125	5.0000e-005	2.1800e-003	3.0000e-005	2.2200e-003	5.9000e-004	3.0000e-005	6.2000e-004	0.0000	4.8292	4.8292	3.3000e-004	0.0000	4.8374

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3.19 230-kV Substation Control Enclosure Delivery and Install - 2023**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	1.5800e-003	0.0172	8.2500e-003	3.0000e-005		7.2000e-004	7.2000e-004		6.6000e-004	6.6000e-004	0.0000	2.2813	2.2813	7.4000e-004	0.0000	2.2997
Total	1.5800e-003	0.0172	8.2500e-003	3.0000e-005		7.2000e-004	7.2000e-004		6.6000e-004	6.6000e-004	0.0000	2.2813	2.2813	7.4000e-004	0.0000	2.2997

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	4.0000e-005	1.3400e-003	4.2000e-004	1.0000e-005	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.4941	0.4941	2.0000e-005	0.0000	0.4947
Worker	2.1000e-004	1.6000e-004	1.5200e-003	0.0000	5.3000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4030	0.4030	1.0000e-005	0.0000	0.4032
Total	2.5000e-004	1.5000e-003	1.9400e-003	1.0000e-005	6.7000e-004	0.0000	6.8000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.8971	0.8971	3.0000e-005	0.0000	0.8979

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3.19 230-kV Substation Control Enclosure Delivery and Install - 2023**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	1.5800e-003	0.0172	8.2500e-003	3.0000e-005		7.2000e-004	7.2000e-004		6.6000e-004	6.6000e-004	0.0000	2.2813	2.2813	7.4000e-004	0.0000	2.2997
Total	1.5800e-003	0.0172	8.2500e-003	3.0000e-005		7.2000e-004	7.2000e-004		6.6000e-004	6.6000e-004	0.0000	2.2813	2.2813	7.4000e-004	0.0000	2.2997

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	4.0000e-005	1.3400e-003	4.2000e-004	1.0000e-005	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.4941	0.4941	2.0000e-005	0.0000	0.4947
Worker	2.1000e-004	1.6000e-004	1.5200e-003	0.0000	5.3000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4030	0.4030	1.0000e-005	0.0000	0.4032
Total	2.5000e-004	1.5000e-003	1.9400e-003	1.0000e-005	6.7000e-004	0.0000	6.8000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.8971	0.8971	3.0000e-005	0.0000	0.8979

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**3.20 230-kV Substation Remaining Equipment Delivery and Install
- 2023****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	4.9100e-003	0.0348	0.0321	1.3000e-004		1.2600e-003	1.2600e-003		1.1600e-003	1.1600e-003	0.0000	11.3207	11.3207	3.6600e-003	0.0000	11.4122
Total	4.9100e-003	0.0348	0.0321	1.3000e-004		1.2600e-003	1.2600e-003		1.1600e-003	1.1600e-003	0.0000	11.3207	11.3207	3.6600e-003	0.0000	11.4122

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	5.2000e-004	0.0209	6.1300e-003	3.0000e-005	4.5000e-004	2.0000e-005	4.7000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	3.0534	3.0534	2.4000e-004	0.0000	3.0595
Worker	3.5000e-004	2.7000e-004	2.4700e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6548	0.6548	2.0000e-005	0.0000	0.6552
Total	8.7000e-004	0.0212	8.6000e-003	4.0000e-005	1.3200e-003	3.0000e-005	1.3400e-003	3.6000e-004	2.0000e-005	3.9000e-004	0.0000	3.7082	3.7082	2.6000e-004	0.0000	3.7147

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**3.20 230-kV Substation Remaining Equipment Delivery and Install
- 2023****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	4.9100e-003	0.0348	0.0321	1.3000e-004		1.2600e-003	1.2600e-003		1.1600e-003	1.1600e-003	0.0000	11.3207	11.3207	3.6600e-003	0.0000	11.4122
Total	4.9100e-003	0.0348	0.0321	1.3000e-004		1.2600e-003	1.2600e-003		1.1600e-003	1.1600e-003	0.0000	11.3207	11.3207	3.6600e-003	0.0000	11.4122

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	5.2000e-004	0.0209	6.1300e-003	3.0000e-005	4.5000e-004	2.0000e-005	4.7000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	3.0534	3.0534	2.4000e-004	0.0000	3.0595
Worker	3.5000e-004	2.7000e-004	2.4700e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6548	0.6548	2.0000e-005	0.0000	0.6552
Total	8.7000e-004	0.0212	8.6000e-003	4.0000e-005	1.3200e-003	3.0000e-005	1.3400e-003	3.6000e-004	2.0000e-005	3.9000e-004	0.0000	3.7082	3.7082	2.6000e-004	0.0000	3.7147

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3.21 230-kV Transmission Conductor - 2023**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	5.4000e-003	0.0472	0.0321	1.2000e-004		1.8500e-003	1.8500e-003		1.7000e-003	1.7000e-003	0.0000	10.3885	10.3885	3.3600e-003	0.0000	10.4725
Total	5.4000e-003	0.0472	0.0321	1.2000e-004		1.8500e-003	1.8500e-003		1.7000e-003	1.7000e-003	0.0000	10.3885	10.3885	3.3600e-003	0.0000	10.4725

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	3.6900e-003	1.1600e-003	1.0000e-005	3.9000e-004	1.0000e-005	4.0000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.3589	1.3589	6.0000e-005	0.0000	1.3603
Worker	3.4000e-004	2.6000e-004	2.4100e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6380	0.6380	2.0000e-005	0.0000	0.6384
Total	4.6000e-004	3.9500e-003	3.5700e-003	2.0000e-005	1.2300e-003	2.0000e-005	1.2500e-003	3.3000e-004	1.0000e-005	3.5000e-004	0.0000	1.9969	1.9969	8.0000e-005	0.0000	1.9987

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3.21 230-kV Transmission Conductor - 2023**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	5.4000e-003	0.0472	0.0321	1.2000e-004		1.8500e-003	1.8500e-003		1.7000e-003	1.7000e-003	0.0000	10.3885	10.3885	3.3600e-003	0.0000	10.4725
Total	5.4000e-003	0.0472	0.0321	1.2000e-004		1.8500e-003	1.8500e-003		1.7000e-003	1.7000e-003	0.0000	10.3885	10.3885	3.3600e-003	0.0000	10.4725

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	3.6900e-003	1.1600e-003	1.0000e-005	3.9000e-004	1.0000e-005	4.0000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.3589	1.3589	6.0000e-005	0.0000	1.3603
Worker	3.4000e-004	2.6000e-004	2.4100e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6380	0.6380	2.0000e-005	0.0000	0.6384
Total	4.6000e-004	3.9500e-003	3.5700e-003	2.0000e-005	1.2300e-003	2.0000e-005	1.2500e-003	3.3000e-004	1.0000e-005	3.5000e-004	0.0000	1.9969	1.9969	8.0000e-005	0.0000	1.9987

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3.22 70-kV Substation Equip Delivery & Installation - 2023**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	3.3100e-003	0.0260	0.0293	9.0000e-005		8.5000e-004	8.5000e-004		7.8000e-004	7.8000e-004	0.0000	8.2297	8.2297	2.6600e-003	0.0000	8.2962
Total	3.3100e-003	0.0260	0.0293	9.0000e-005		8.5000e-004	8.5000e-004		7.8000e-004	7.8000e-004	0.0000	8.2297	8.2297	2.6600e-003	0.0000	8.2962

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	4.0000e-004	0.0121	3.8100e-003	5.0000e-005	1.2700e-003	3.0000e-005	1.3000e-003	3.7000e-004	3.0000e-005	3.9000e-004	0.0000	4.4473	4.4473	1.8000e-004	0.0000	4.4519
Worker	3.5000e-004	2.6000e-004	2.4900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.2000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255
Total	7.5000e-004	0.0123	6.3000e-003	6.0000e-005	2.0900e-003	4.0000e-005	2.1200e-003	5.9000e-004	3.0000e-005	6.1000e-004	0.0000	5.0724	5.0724	2.0000e-004	0.0000	5.0774

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3.22 70-kV Substation Equip Delivery & Installation - 2023**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	3.3100e-003	0.0260	0.0293	9.0000e-005		8.5000e-004	8.5000e-004		7.8000e-004	7.8000e-004	0.0000	8.2297	8.2297	2.6600e-003	0.0000	8.2962
Total	3.3100e-003	0.0260	0.0293	9.0000e-005		8.5000e-004	8.5000e-004		7.8000e-004	7.8000e-004	0.0000	8.2297	8.2297	2.6600e-003	0.0000	8.2962

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	4.0000e-004	0.0121	3.8100e-003	5.0000e-005	1.2700e-003	3.0000e-005	1.3000e-003	3.7000e-004	3.0000e-005	3.9000e-004	0.0000	4.4473	4.4473	1.8000e-004	0.0000	4.4519
Worker	3.5000e-004	2.6000e-004	2.4900e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.2000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6251	0.6251	2.0000e-005	0.0000	0.6255
Total	7.5000e-004	0.0123	6.3000e-003	6.0000e-005	2.0900e-003	4.0000e-005	2.1200e-003	5.9000e-004	3.0000e-005	6.1000e-004	0.0000	5.0724	5.0724	2.0000e-004	0.0000	5.0774

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3.23 70-kV Substation Control Enclosure Delivery and Install - 2023**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	2.0000e-005	6.7000e-004	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2471	0.2471	1.0000e-005	0.0000	0.2473
Worker	1.0000e-004	8.0000e-005	7.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1865	0.1865	1.0000e-005	0.0000	0.1866
Total	1.2000e-004	7.5000e-004	9.2000e-004	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.4335	0.4335	2.0000e-005	0.0000	0.4339

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3.23 70-kV Substation Control Enclosure Delivery and Install - 2023**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	2.0000e-005	6.7000e-004	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2471	0.2471	1.0000e-005	0.0000	0.2473
Worker	1.0000e-004	8.0000e-005	7.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1865	0.1865	1.0000e-005	0.0000	0.1866
Total	1.2000e-004	7.5000e-004	9.2000e-004	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.4335	0.4335	2.0000e-005	0.0000	0.4339

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3.24 230-kV Transmission Site Clean-up and Restoration - 2023**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	1.3800e-003	0.0163	8.4200e-003	2.0000e-005		5.7000e-004	5.7000e-004		5.2000e-004	5.2000e-004	0.0000	2.1545	2.1545	7.0000e-004	0.0000	2.1719
Total	1.3800e-003	0.0163	8.4200e-003	2.0000e-005		5.7000e-004	5.7000e-004		5.2000e-004	5.2000e-004	0.0000	2.1545	2.1545	7.0000e-004	0.0000	2.1719

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	1.0000e-004	3.0200e-003	9.5000e-004	1.0000e-005	3.2000e-004	1.0000e-005	3.2000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.1118	1.1118	5.0000e-005	0.0000	1.1130
Worker	1.2000e-004	1.0000e-004	8.9000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2351	0.2351	1.0000e-005	0.0000	0.2352
Total	2.2000e-004	3.1200e-003	1.8400e-003	1.0000e-005	6.3000e-004	1.0000e-005	6.3000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	1.3469	1.3469	6.0000e-005	0.0000	1.3482

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3.24 230-kV Transmission Site Clean-up and Restoration - 2023**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	1.3800e-003	0.0163	8.4200e-003	2.0000e-005		5.7000e-004	5.7000e-004		5.2000e-004	5.2000e-004	0.0000	2.1545	2.1545	7.0000e-004	0.0000	2.1719
Total	1.3800e-003	0.0163	8.4200e-003	2.0000e-005		5.7000e-004	5.7000e-004		5.2000e-004	5.2000e-004	0.0000	2.1545	2.1545	7.0000e-004	0.0000	2.1719

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	1.0000e-004	3.0200e-003	9.5000e-004	1.0000e-005	3.2000e-004	1.0000e-005	3.2000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.1118	1.1118	5.0000e-005	0.0000	1.1130
Worker	1.2000e-004	1.0000e-004	8.9000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2351	0.2351	1.0000e-005	0.0000	0.2352
Total	2.2000e-004	3.1200e-003	1.8400e-003	1.0000e-005	6.3000e-004	1.0000e-005	6.3000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	1.3469	1.3469	6.0000e-005	0.0000	1.3482