

## **APPENDIX C**

### **Air Quality, Greenhouse Gas Emissions, and Energy Analyses**

This appendix includes complex tables that are not accessible using an assistive device such as a screen reader. For additional assistance please contact CPUC.

## **Energy Use Summary and Calculations**

**Fuel Consumption Summary**

Construction Activity Fuel Consumption	Gasoline	Diesel	Jet A Fuel
Construction Activity On-Road Vehicles	6,530	15,449	
Construction Activity Off-Road Equipment		183,523	
Helicopters			180,671
<b>Total For Construction</b>	<b>6,530</b>	<b>198,972</b>	<b>180,671</b>

	Phase	Vehicle Type	Construction Phase Days	Trips Per Day	Total Trips	Miles Per Trip	Total Miles	Fuel Type	Gasoline		Diesel	
									Weighted Fuel Economy (miles/gallon)	Fuel Consumption (gallons)	Weighted Fuel Economy (miles/gallon)	Fuel Consumption (gallons)
Construction On-Road Vehicles	Reconductoring Site Prep	Worker	24	12	288	13	3,744	LDA,LDT1, LD	27.59571336	134.76	38.1144679	0.66
		Vendor	24	10	240	5	1,200	HHDT, MHDT			8.143187453	147
		Hauling			0	20	-	HHDT			6.547970628	-
	230kv Sub Access Road	Worker	12	20	240	13	3,120	LDA,LDT1, LD	27.59571336	112.30	38.1144679	0.55
		Vendor	12	33	396	5	1,980	HHDT, MHDT			8.143187453	243
		Hauling			0	20	-	HHDT			6.547970628	-
	230kV Transmission Site Work Prep	Worker	24	16	384	13	4,992	LDA,LDT1, LD	27.59571336	179.68	38.1144679	0.88
		Vendor	24	11	264	5	1,320	HHDT, MHDT			8.143187453	162
		Hauling			0	20	-	HHDT			6.547970628	-
	230kV Sub Site Work Area	Worker	18	20	360	13	4,680	LDA,LDT1, LD	27.59571336	168.45	38.1144679	0.82
		Vendor	18	11	198	5	990	HHDT, MHDT			8.143187453	122
		Hauling			756	20	15,120	HHDT			6.547970628	2,309
	70kV Substation Site Work Area Prep Mobil	Worker	12	12	144	13	1,872	LDA,LDT1, LD	27.59571336	67.38	38.1144679	0.33
		Vendor	12	6	72	5	360	HHDT, MHDT			8.143187453	44
		Hauling			756	20	15,120	HHDT			6.547970628	2,309
	230kV Sub Fence Gate Install	Worker	12	10	120	13	1,560	LDA,LDT1, LD	27.59571336	56.15	38.1144679	0.27
		Vendor	12	30	360	5	1,800	HHDT, MHDT			8.143187453	221
		Hauling			0	20	-	HHDT			6.547970628	-
	Reconductoring Pole Install	Worker	144	40	5760	13	74,880	LDA,LDT1, LD	27.59571336	2,695.25	38.1144679	13.19
		Vendor	144	13	1872	5	9,360	HHDT, MHDT			8.143187453	1,149
		Hauling			0	20	-	HHDT			6.547970628	-
	230kV Transmission Foundation Tower	Worker	48	20	960	13	12,480	LDA,LDT1, LD	27.59571336	449.21	38.1144679	2.20
		Vendor	48	12	576	5	2,880	HHDT, MHDT			8.143187453	354
		Hauling			0	20	-	HHDT			6.547970628	-
	70kV Substation Foundation Construction	Worker	24	12	288	13	3,744	LDA,LDT1, LD	27.59571336	134.76	38.1144679	0.66
		Vendor	24	13	312	5	1,560	HHDT, MHDT			8.143187453	192
		Hauling			0	20	-	HHDT			6.547970628	-
	70kV Substation Ground Grid	Worker	24	8	192	13	2,496	LDA,LDT1, LD	27.59571336	89.84	38.1144679	0.44
		Vendor	24	9	216	5	1,080	HHDT, MHDT			8.143187453	133
		Hauling			0	20	-	HHDT			6.547970628	-
230kV Sub Foundation Construction	Worker	36	24	864	13	11,232	LDA,LDT1, LD	27.59571336	404.29	38.1144679	1.98	
	Vendor	36	31	1116	5	5,580	HHDT, MHDT			8.143187453	685	
	Hauling			0	20	-	HHDT			6.547970628	-	
Reconductoring Conductor Install	Worker	120	30	3600	13	46,800	LDA,LDT1, LD	27.59571336	1,684.53	38.1144679	8.24	
	Vendor	120	10	1200	5	6,000	HHDT, MHDT			8.143187453	737	
	Hauling			0	20	-	HHDT			6.547970628	-	
70kV Sub Steel Bus Erection	Worker	24	16	384	13	4,992	LDA,LDT1, LD	27.59571336	179.68	38.1144679	0.88	
	Vendor	24	9	216	5	1,080	HHDT, MHDT			8.143187453	133	
	Hauling			0	20	-	HHDT			6.547970628	-	
230kV Sub Ground Grid	Worker	24	10	240	13	3,120	LDA,LDT1, LD	27.59571336	112.30	38.1144679	0.55	
	Vendor	24	29	696	5	3,480	HHDT, MHDT			8.143187453	427	
	Hauling			0	20	-	HHDT			6.547970628	-	
230kV Transmission Conductor	Worker	24	30	720	13	9,360	LDA,LDT1, LD	27.59571336	336.91	38.1144679	1.65	
	Vendor	24	11	264	5	1,320	HHDT, MHDT			8.143187453	162	
	Hauling			0	20	-	HHDT			6.547970628	-	
70 kV Substation Equip Delivery	Worker	18	12	216	13	2,808	LDA,LDT1, LD	27.59571336	101.07	38.1144679	0.49	
	Vendor	18	12	216	5	1,080	HHDT, MHDT			8.143187453	133	
	Hauling			0	20	-	HHDT			6.547970628	-	

	Phase	Vehicle Type	Construction Phase Days	Trips Per Day	Total Trips	Miles Per Trip	Total Miles	Fuel Type	Gasoline		Diesel	
									Weighted Fuel Economy (miles/gallon)	Fuel Consumption (gallons)	Weighted Fuel Economy (miles/gallon)	Fuel Consumption (gallons)
70kV Substation Control Enclosure	Worker	6	10	60	13	780	LDA,LDT1, LD	27.59571336	28.08	38.1144679	0.14	
	Vendor	6	2	12	5	60	HHDT, MHDT			8.143187453	7	
	Hauling			0	20	-	HHDT			6.547970628	-	
230kV Sub Steel Bus	Worker	24	10	240	13	3,120	LDA,LDT1, LD	27.59571336	112.30	38.1144679	0.55	
	Vendor	24	30	720	5	3,600	HHDT, MHDT			8.143187453	442	
	Hauling			0	20	-	HHDT			6.547970628	-	
230kV Sub Install Yard Rock	Worker	18	16	288	13	3,744	LDA,LDT1, LD	27.59571336	134.76	38.1144679	0.66	
	Vendor	18	45	810	5	4,050	HHDT, MHDT			8.143187453	497	
	Hauling			0	20	-	HHDT			6.547970628	-	
70kV Substation Cable Installation	Worker	18	10	180	13	2,340	LDA,LDT1, LD	27.59571336	84.23	38.1144679	0.41	
	Vendor	18	3	54	5	270	HHDT, MHDT			8.143187453	33	
	Hauling			0	20	-	HHDT			6.547970628	-	
230kV Sub Transformer	Worker	30	16	480	13	6,240	LDA,LDT1, LD	27.59571336	224.60	38.1144679	1.10	
	Vendor	30	30	900	5	4,500	HHDT, MHDT			8.143187453	553	
	Hauling			0	20	-	HHDT			6.547970628	-	
230kV Transmission Cleanup Restore	Worker	6	10	60	13	780	LDA,LDT1, LD	27.59571336	28.08	38.1144679	0.14	
	Vendor	6	9	54	5	270	HHDT, MHDT			8.143187453	33	
	Hauling			0	20	-	HHDT			6.547970628	-	
230kV Sub Control Enclosure Delivery	Worker	12	12	144	13	1,872	LDA,LDT1, LD	27.59571336	67.38	38.1144679	0.33	
	Vendor	12	2	24	5	120	HHDT, MHDT			8.143187453	15	
	Hauling			0	20	-	HHDT			6.547970628	-	
70kV Substation Install Yard Rock	Worker	12	12	144	13	1,872	LDA,LDT1, LD	27.59571336	67.38	38.1144679	0.33	
	Vendor	12	16	192	5	960	HHDT, MHDT			8.143187453	118	
	Hauling			0	20	-	HHDT			6.547970628	-	
230kV Sub Remaining Equipment Delivery	Worker	24	10	240	13	3,120	LDA,LDT1, LD	27.59571336	112.30	38.1144679	0.55	
	Vendor	24	28	672	5	3,360	HHDT, MHDT			8.143187453	413	
	Hauling			0	20	-	HHDT			6.547970628	-	
70kV Substation Cleanup Restore	Worker	12	8	96	13	1,248	LDA,LDT1, LD	27.59571336	44.92	38.1144679	0.22	
	Vendor	12	0	0	5	-	HHDT, MHDT			8.143187453	-	
	Hauling			0	20	-	HHDT			6.547970628	-	
230kV Sub Cable Install Termination	Worker	12	10	120	13	1,560	LDA,LDT1, LD	27.59571336	56.15	38.1144679	0.27	
	Vendor	12	3	36	5	180	HHDT, MHDT			8.143187453	22	
	Hauling			0	20	-	HHDT			6.547970628	-	
70kV Substation Testing Commissioning	Worker	18	8	144	13	1,872	LDA,LDT1, LD	27.59571336	67.38	38.1144679	0.33	
	Vendor	18	2	36	5	180	HHDT, MHDT			8.143187453	22	
	Hauling			0	20	-	HHDT			6.547970628	-	
230kV Sub Testing and Commissioning	Worker	30	10	300	13	3,900	LDA,LDT1, LD	27.59571336	140.38	38.1144679	0.69	
	Vendor	30	26	780	5	3,900	HHDT, MHDT			8.143187453	479	
	Hauling			0	20	-	HHDT			6.547970628	-	
230kV Substation Cleanup Restore	Worker	18	6	108	13	1,404	LDA,LDT1, LD	27.59571336	50.54	38.1144679	0.25	
	Vendor	18	29	522	5	2,610	HHDT, MHDT			8.143187453	321	
	Hauling			0	20	-	HHDT			6.547970628	-	
70kV Power Line Site Work Prep	Worker	24	12	288	13	3,744	LDA,LDT1, LD	27.59571336	134.76	38.1144679	0.66	
	Vendor	24	10	240	5	1,200	HHDT, MHDT			8.143187453	147	
	Hauling			0	20	-	HHDT			6.547970628	-	
Reconductoring Cleanup Restore	Worker	12	12	144	13	1,872	LDA,LDT1, LD	27.59571336	67.38	38.1144679	0.33	
	Vendor	12	5	60	5	300	HHDT, MHDT			8.143187453	37	
	Hauling			0	20	-	HHDT			6.547970628	-	
70kV Power Line Pole	Worker	196	42	8232	13	107,016	LDA,LDT1, LD	27.59571336	3,851.96	38.1144679	18.85	
	Vendor	196	15	2940	5	14,700	HHDT, MHDT			8.143187453	1,805	

	Phase	Vehicle Type	Construction Phase Days	Trips Per Day	Total Trips	Miles Per Trip	Total Miles	Fuel Type	Gasoline		Diesel	
									Weighted Fuel Economy (miles/gallon)	Fuel Consumption (gallons)	Weighted Fuel Economy (miles/gallon)	Fuel Consumption (gallons)
	Tower Install	Hauling			0	20	-	HHDT			6.547970628	-
	Distribution Facilities Mobilization	Worker	12	12	144	13	1,872	LDA,LDT1, LD	27.59571336	67.38	38.1144679	0.33
		Vendor	12	6	72	5	360	HHDT, MHDT			8.143187453	44
		Hauling			0	20	-	HHDT			6.547970628	-
	Distribution Foundation Construction	Worker	24	24	576	13	7,488	LDA,LDT1, LD	27.59571336	269.52	38.1144679	1.32
		Vendor	24	6	144	5	720	HHDT, MHDT			8.143187453	88
		Hauling			0	20	-	HHDT			6.547970628	-
	Distribution Ground Grid	Worker	24	20	480	13	6,240	LDA,LDT1, LD	27.59571336	224.60	38.1144679	1.10
		Vendor	24	4	96	5	480	HHDT, MHDT			8.143187453	59
		Hauling			0	20	-	HHDT			6.547970628	-
	Distribution Steel Bus Erection	Worker	24	10	240	13	3,120	LDA,LDT1, LD	27.59571336	112.30	38.1144679	0.55
		Vendor	24	3	72	5	360	HHDT, MHDT			8.143187453	44
		Hauling			0	20	-	HHDT			6.547970628	-
	Distribution Bank Breaker	Worker	18	10	180	13	2,340	LDA,LDT1, LD	27.59571336	84.23	38.1144679	0.41
		Vendor	18	2	36	5	180	HHDT, MHDT			8.143187453	22
		Hauling			0	20	-	HHDT			6.547970628	-
	Distribution Feeder Conduit	Worker	36	16	576	13	7,488	LDA,LDT1, LD	27.59571336	269.52	38.1144679	1.32
		Vendor	36	3	108	5	540	HHDT, MHDT			8.143187453	66
		Hauling			0	20	-	HHDT			6.547970628	-
	Distribution Cable Install	Worker	24	10	240	13	3,120	LDA,LDT1, LD	27.59571336	112.30	38.1144679	0.55
		Vendor	24	3	72	5	360	HHDT, MHDT			8.143187453	44
		Hauling			0	20	-	HHDT			6.547970628	-
	Distribution Testing	Worker	24	6	144	13	1,872	LDA,LDT1, LD	27.59571336	67.38	38.1144679	0.33
		Vendor	24	1	24	5	120	HHDT, MHDT			8.143187453	15
		Hauling			0	20	-	HHDT			6.547970628	-
	Distribution Cleanup Restore	Worker	12	6	72	13	936	LDA,LDT1, LD	27.59571336	33.69	38.1144679	0.16
		Vendor	12	6	72	5	360	HHDT, MHDT			8.143187453	44
		Hauling			0	20	-	HHDT			6.547970628	-
	70kV Power Line Conductor Install	Worker	48	36	1728	13	22,464	LDA,LDT1, LD	27.59571336	808.57	38.1144679	3.96
		Vendor	48	10	480	5	2,400	HHDT, MHDT			8.143187453	295
		Hauling			0	20	-	HHDT			6.547970628	-
	70kV Power Line Cleanup Restore	Worker	12	12	144	13	1,872	LDA,LDT1, LD	27.59571336	67.38	38.1144679	0.33
		Vendor	12	7	84	5	420	HHDT, MHDT			8.143187453	52
		Hauling			0	20	-	HHDT			6.547970628	-
									<b>Total Fuel Consumption (Gallons)</b>		6,530.37	15,449.32

Notes:

1. Fuel Consumption is total miles multiplied by the percent gasoline or diesel respectively and then divided by fuel economy. It was assumed all MHDT and HHDT are diesel. LDA, LDT1, and LDT2 were assumed to be a mix of gasoline and diesel as ratioed by their VMT.

	LDA,LDT1,LDT2	MHDT	HHDT
Gasoline %	99.33%	0	0
Diesel %	0.67%	1	1



	Offroad Equipment Type	Amount	Days in Phase	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate lb/hp-hr	Diesel Fuel Consumption (gallons)
230kv Sub Access Road	Tractors/Loaders/Backhoes	2	12	8	97	0.37	0.408	395
230kV Sub Cable Install Termination	Aerial Lifts	1	12	8	63	0.31	0.408	108
230kV Sub Control Enclosure Delivery	Cranes	1	12	6	231	0.29	0.367	249
230kV Sub Fence Gate Install	Skid Steer Loaders	1	12	4	65	0.37	0.408	66
230kV Sub Foundation Construction	Bore/Drill Rigs	1	36	8	221	0.5	0.367	1,643
230kV Sub Foundation Construction	Cranes	1	36	5	231	0.29	0.367	623
230kV Sub Foundation Construction	Tractors/Loaders/Backhoes	1	36	5	97	0.37	0.408	371
230kV Sub Ground Grid	Trenchers	1	24	8	78	0.5	0.408	430
230kV Sub Install Yard Rock	Skid Steer Loaders	1	18	10	65	0.37	0.408	248
230kV Sub Remaining Equipment Delivery	Off-Highway Trucks	1	24	6	402	0.38	0.367	1,136
230kV Sub Site Work Area	Graders	1	18	8	187	0.41	0.367	570
230kV Sub Site Work Area	Off-Highway Trucks	4	18	10	402	0.38	0.367	5,678
230kV Sub Site Work Area	Rollers	2	18	8	80	0.38	0.408	502
230kV Sub Site Work Area	Rubber Tired Dozers	1	18	8	247	0.4	0.367	734
230kV Sub Site Work Area	Scrapers	1	18	8	367	0.48	0.367	1,310
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	1	18	8	97	0.37	0.408	297
230kV Sub Steel Bus	Aerial Lifts	1	24	6	63	0.31	0.408	161
230kV Sub Steel Bus	Off-Highway Trucks	1	24	8	402	0.38	0.367	1,514
230kV Sub Transformer	Cranes	1	30	6	231	0.29	0.367	623
230kV Sub Transformer	Generator Sets	1	30	5	84	0.74	0.408	535
230kV Sub Transformer	Off-Highway Trucks	2	30	10	402	0.38	0.367	4,732
230kV Sub Transformer	Off-Highway Trucks	1	30	4.8	402	0.38	0.367	1,136
230kV Sub Transformer	Tractors/Loaders/Backhoes	1	30	4	97	0.37	0.408	247
230kV Substation Cleanup Restore	Other General Industrial Equi	1	18	6	88	0.34	0.408	185
230kV Substation Cleanup Restore	Tractors/Loaders/Backhoes	1	18	6	97	0.37	0.408	222
230kV Transmission Cleanup Restore	Graders	1	6	8	187	0.41	0.367	190
230kV Transmission Cleanup Restore	Tractors/Loaders/Backhoes	1	6	4	97	0.37	0.408	49
230kV Transmission Conductor	Cranes	3	24	6	231	0.29	0.367	1,494
230kV Transmission Conductor	Off-Highway Trucks	2	24	4	402	0.38	0.367	1,514
230kV Transmission Conductor	Off-Highway Trucks	2	24	4	402	0.38	0.367	1,514
230kV Transmission Foundation Tower	Bore/Drill Rigs	1	48	1	221	0.5	0.367	274
230kV Transmission Foundation Tower	Cranes	3	48	5.3	231	0.29	0.367	2,639
230kV Transmission Foundation Tower	Forklifts	3	48	2.6	89	0.2	0.408	382
230kV Transmission Foundation Tower	Off-Highway Trucks	2	48	3.5	402	0.38	0.367	2,650
230kV Transmission Foundation Tower	Off-Highway Trucks	2	48	2.6	402	0.38	0.367	1,968
230kV Transmission Foundation Tower	Tractors/Loaders/Backhoes	1	48	0.5	97	0.37	0.408	49
230kV Transmission Site Work Prep	Graders	1	24	6	187	0.41	0.367	570
230kV Transmission Site Work Prep	Tractors/Loaders/Backhoes	1	24	6	97	0.37	0.408	297
70 kV Substation Equip Delivery	Aerial Lifts	2	18	4	63	0.31	0.408	161
70 kV Substation Equip Delivery	Off-Highway Trucks	1	18	5.3	402	0.38	0.367	752
70kV Power Line Cleanup Restore	Graders	1	12	6	187	0.41	0.367	285
70kV Power Line Cleanup Restore	Tractors/Loaders/Backhoes	1	12	4	97	0.37	0.408	99

	Offroad Equipment Type	Amount	Days in Phase	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate lb/hp-hr	Diesel Fuel Consumption (gallons)
70kV Power Line Conductor Install	Cranes	3	48	6	231	0.29	0.367	2,988
70kV Power Line Conductor Install	Forklifts	1	48	3	89	0.2	0.408	147
70kV Power Line Conductor Install	Off-Highway Trucks	3	48	4	402	0.38	0.367	4,543
70kV Power Line Conductor Install	Off-Highway Trucks	1	48	6	402	0.38	0.367	2,271
70kV Power Line Conductor Install	Off-Highway Trucks	2	48	2	402	0.38	0.367	1,514
70kV Power Line Conductor Install	Other General Industrial Equi	1	48	6	88	0.34	0.408	495
70kV Power Line Conductor Install	Other General Industrial Equi	1	48	6	88	0.34	0.408	495
70kV Power Line Pole Tower Install	Cranes	1	196	4	231	0.29	0.367	2,711
70kV Power Line Pole Tower Install	Off-Highway Trucks	7	196	4	402	0.38	0.367	43,280
70kV Power Line Pole Tower Install	Tractors/Loaders/Backhoes	2	196	4	97	0.37	0.408	3,230
70kV Power Line Site Work Prep	Graders	2	24	6	187	0.41	0.367	1,140
70kV Power Line Site Work Prep	Tractors/Loaders/Backhoes	1	24	4	97	0.37	0.408	198
70kV Sub Steel Bus Erection	Aerial Lifts	2	24	8	63	0.31	0.408	430
70kV Sub Steel Bus Erection	Off-Highway Trucks	2	24	6	402	0.38	0.367	2,271
70kV Substation Foundation Construction	Bore/Drill Rigs	1	24	8	221	0.5	0.367	1,095
70kV Substation Foundation Construction	Tractors/Loaders/Backhoes	1	24	8	97	0.37	0.408	395
70kV Substation Foundation Construction	Trenchers	1	24	8	78	0.5	0.408	430
70kV Substation Ground Grid	Tractors/Loaders/Backhoes	1	24	6	97	0.37	0.408	297
70kV Substation Ground Grid	Trenchers	1	24	6	78	0.5	0.408	322
70kV Substation Install Yard Rock	Skid Steer Loaders	1	12	8	231	0.29	0.367	332
70kV Substation Install Yard Rock	Tractors/Loaders/Backhoes	1	12	8	97	0.37	0.408	198
70kV Substation Site Work Area Prep Mobi	Graders	1	12	4	187	0.41	0.367	190
70kV Substation Site Work Area Prep Mobi	Tractors/Loaders/Backhoes	1	12	4	97	0.37	0.408	99
Distribution Bank Breaker	Cranes	1	18	2	231	0.29	0.367	125
Distribution Cable Install	Tractors/Loaders/Backhoes	1	24	8	97	0.37	0.408	395
Distribution Cleanup Restore	Tractors/Loaders/Backhoes	1	12	4	97	0.37	0.408	99
Distribution Facilities Mobilization	Tractors/Loaders/Backhoes	1	12	8	97	0.37	0.408	198
Distribution Feeder Conduit	Off-Highway Trucks	2	36	4	402	0.38	0.367	2,271
Distribution Feeder Conduit	Tractors/Loaders/Backhoes	1	36	1.3	97	0.37	0.408	96
Distribution Foundation Construction	Tractors/Loaders/Backhoes	1	24	4	97	0.37	0.408	198
Distribution Ground Grid	Cranes	1	24	1.5	231	0.29	0.367	125
Reconductoring Cleanup Restore	Graders	1	12	6	187	0.41	0.367	285
Reconductoring Cleanup Restore	Tractors/Loaders/Backhoes	1	12	4	97	0.37	0.408	99
Reconductoring Conductor Install	Cranes	2	120	8	231	0.29	0.367	6,640
Reconductoring Conductor Install	Forklifts	1	120	3	89	0.2	0.408	368
Reconductoring Conductor Install	Off-Highway Trucks	2	120	6	402	0.38	0.367	11,356
Reconductoring Conductor Install	Off-Highway Trucks	2	120	6	402	0.38	0.367	11,356
Reconductoring Conductor Install	Off-Highway Trucks	2	120	4	402	0.38	0.367	7,571
Reconductoring Conductor Install	Off-Highway Trucks	1	120	6	402	0.38	0.367	5,678
Reconductoring Conductor Install	Other General Industrial Equi	2	120	6	88	0.34	0.408	2,473
Reconductoring Pole Install	Bore/Drill Rigs	1	144	6	221	0.5	0.367	4,929
Reconductoring Pole Install	Cranes	3	144	6	231	0.29	0.367	8,964
Reconductoring Pole Install	Cranes	1	144	1	231	0.29	0.367	498



	<b>Offroad Equipment Type</b>	<b>Amount</b>	<b>Days in Phase</b>	<b>Usage Hours</b>	<b>Horse Power</b>	<b>Load Factor</b>	<b>Fuel Consumption Rate lb/hp-hr</b>	<b>Diesel Fuel Consumption (gallons)</b>
Reconductoring Pole Install	Off-Highway Trucks	2	144	3	402	0.38	0.367	6,814
Reconductoring Pole Install	Off-Highway Trucks	2	144	2	402	0.38	0.367	4,543
Reconductoring Site Prep	Graders	1	24	6	187	0.41	0.367	570
Reconductoring Site Prep	Tractors/Loaders/Backhoes	1	24	4	97	0.37	0.408	198
Total Diesel Fuel Use from Construction Off-Road								183,523

1. Equipment list is from CalEEMod.
2. Fuel Consumption is 0.408 for less than 100 hp and .367 if greater than or equal to 100 hp based on CARB Off-Road Diesel Engine Emission Factors
3. To convert to gallons the conversion factor of 7.1089 lb/gallon is used
4. Fuel consumption is amount multiplied by usage hours, days in phase, horsepower, loadfactor, and fuel consumption rate divided by conversion factor.

			Weighting					Fuel Economy					Weighted Fuel Economy
			LDA	LDT1	LDT2	MHDT	HHDT	LDA	LDT1	LDT2	MHDT	HHDT	Miles per Gallon
Gasoline	Worker	LDA, LDT1,LDT2	0.5	0.25	0.25	0	0	30.3369	25.90543	23.80362			27.59571336
	Vendor	HHDT,MHDT	0	0	0	0.5	0.5						0
	Hauling	HHDT	0	0	0	0	1						0
Diesel	Worker	LDA, LDT1,LDT2	0.5	0.25	0.25	0	0	47.3773	22.82111	34.88216	9.738404	6.547971	38.1144679
	Vendor	HHDT,MHDT	0	0	0	0.5	0.5				9.738404	6.547971	8.143187453
	Hauling	HHDT	0	0	0	0	1				9.738404	6.547971	6.547970628

Notes:

1. It was assumed all MHDT and HHDT are diesel. LDA, LDT1, and LDT2 were assumed to be a mix of gasoline and diesel as ratioed by their VMT.
2. EMFAC 2014 was used to estimate fuel economy based on VMT and fuel consumption.

Source: EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: Statewide

Region: California

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips
Statewide	2021	HHDT	Aggregate	Aggregate	Gasoline	182.21957	17379.44227	3645.84913
Statewide	2021	HHDT	Aggregate	Aggregate	Diesel	324251.19	42254554.85	3555521.57
Statewide	2021	LDA	Aggregate	Aggregate	Gasoline	15248077	587444749.5	71747206.2
Statewide	2021	LDA	Aggregate	Aggregate	Diesel	149938.61	5892042.775	705029.117
Statewide	2021	LDA	Aggregate	Aggregate	Electricity	268429.21	10611344.15	1337523.91
Statewide	2021	LDT1	Aggregate	Aggregate	Gasoline	1720217.5	61717689.97	7846467.95
Statewide	2021	LDT1	Aggregate	Aggregate	Diesel	1455.1729	27326.53817	4951.42408
Statewide	2021	LDT1	Aggregate	Aggregate	Electricity	7914.5068	318547.2808	39565.4429
Statewide	2021	LDT2	Aggregate	Aggregate	Gasoline	5425739.1	199749398	25208441.8
Statewide	2021	LDT2	Aggregate	Aggregate	Diesel	30763.92	1316610.094	151261.995
Statewide	2021	MHDT	Aggregate	Aggregate	Gasoline	48777.51	2660499.946	975940.429
Statewide	2021	MHDT	Aggregate	Aggregate	Diesel	291204.45	17942665.98	2799629.42

Source: EMFAC2017 (v1.0.2) Emissions Inventory  
Region Type: Statewide  
Region: California  
Calendar Year: 2021  
Season: Annual  
Vehicle Classification: EMFAC2007 Categories  
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	NOx_RU NEX	NOx_IDL EX	NOx_STR EX	NOx_TOT EX	PM2.5_RUNEX
Statewide	2021	HHDT	Aggregate	Aggregate	Gasoline	0.095019	0	0.003175	0.098194	2.68053E-05
Statewide	2021	HHDT	Aggregate	Aggregate	Diesel	171.8617	26.80876	7.599321	206.2698	2.499696858
Statewide	2021	LDA	Aggregate	Aggregate	Gasoline	29.76387	0	16.47058	46.23444	0.975120488
Statewide	2021	LDA	Aggregate	Aggregate	Diesel	0.676449	0	0	0.676449	0.062043527
Statewide	2021	LDA	Aggregate	Aggregate	Electricity	0	0	0	0	0
Statewide	2021	LDT1	Aggregate	Aggregate	Gasoline	9.142474	0	2.633991	11.77647	0.154300578
Statewide	2021	LDT1	Aggregate	Aggregate	Diesel	0.036002	0	0	0.036002	0.004461029
Statewide	2021	LDT1	Aggregate	Aggregate	Electricity	0	0	0	0	0
Statewide	2021	LDT2	Aggregate	Aggregate	Gasoline	22.67346	0	9.545717	32.21917	0.347662766
Statewide	2021	LDT2	Aggregate	Aggregate	Diesel	0.077832	0	0	0.077832	0.008791641
Statewide	2021	MHDT	Aggregate	Aggregate	Gasoline	1.674478	0.004768	0.401923	2.081169	0.003298603
Statewide	2021	MHDT	Aggregate	Aggregate	Diesel	57.82931	2.806638	4.391645	65.0276	1.488723258

Source: EMFAC2017 (v1.0.2) Emissions Inventory  
Region Type: Statewide  
Region: California  
Calendar Year: 2021  
Season: Annual  
Vehicle Classification: EMFAC2007 Categories  
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM2.5_ID LEX	PM2.5_STREX	PM2.5_TOTEX	PM2.5_PMTW	PM2.5_PMBW	PM2.5_TOTAL
Statewide	2021	HHDT	Aggregate	Aggregate	Gasoline	0	3.99501E-06	3.08003E-05	9.57878E-05	0.000506909	0.000633497
Statewide	2021	HHDT	Aggregate	Aggregate	Diesel	0.038749	0	2.538445872	0.414857539	1.219681165	4.172984577
Statewide	2021	LDA	Aggregate	Aggregate	Gasoline	0	0.146584588	1.121705076	1.295093984	10.19886512	12.61566418
Statewide	2021	LDA	Aggregate	Aggregate	Diesel	0	0	0.062043527	0.012989731	0.10229413	0.177327388
Statewide	2021	LDA	Aggregate	Aggregate	Electricity	0	0	0	0.023394009	0.184227824	0.207621833
Statewide	2021	LDT1	Aggregate	Aggregate	Gasoline	0	0.022997279	0.177297858	0.136064215	1.071505697	1.38486777
Statewide	2021	LDT1	Aggregate	Aggregate	Diesel	0	0	0.004461029	6.02447E-05	0.000474427	0.0049957
Statewide	2021	LDT1	Aggregate	Aggregate	Electricity	0	0	0	0.000702277	0.005530428	0.006232704
Statewide	2021	LDT2	Aggregate	Aggregate	Gasoline	0	0.051563372	0.399226138	0.440372041	3.467929826	4.307528006
Statewide	2021	LDT2	Aggregate	Aggregate	Diesel	0	0	0.008791641	0.002902628	0.022858199	0.034552468
Statewide	2021	MHDT	Aggregate	Aggregate	Gasoline	0	0.000493527	0.00379213	0.008798098	0.163820576	0.176410804
Statewide	2021	MHDT	Aggregate	Aggregate	Diesel	0.008515	0	1.497238018	0.059335211	1.104821628	2.661394857

Source: EMFAC2017 (v1.0.2) Emissions Inventory  
Region Type: Statewide  
Region: California  
Calendar Year: 2021  
Season: Annual  
Vehicle Classification: EMFAC2007 Categories  
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_T OTEX	PM10_PMTW	PM10_PMBW
Statewide	2021	HHDT	Aggregate	Aggregate	Gasoline	2.91532E-05	0	4.34493E-06	3.35E-05	0.000383151	0.001182787
Statewide	2021	HHDT	Aggregate	Aggregate	Diesel	2.612722057	0.040501073	0	2.653223	1.659430157	2.845922719
Statewide	2021	LDA	Aggregate	Aggregate	Gasoline	1.06051038	0	0.15941358	1.219924	5.180375936	23.79735195
Statewide	2021	LDA	Aggregate	Aggregate	Diesel	0.06484886	0	0	0.064849	0.051958923	0.238686303
Statewide	2021	LDA	Aggregate	Aggregate	Electricity	0	0	0	0	0.093576037	0.429864922
Statewide	2021	LDT1	Aggregate	Aggregate	Gasoline	0.167802563	0	0.025008819	0.192811	0.544256862	2.500179959
Statewide	2021	LDT1	Aggregate	Aggregate	Diesel	0.004662736	0	0	0.004663	0.000240979	0.001106996
Statewide	2021	LDT1	Aggregate	Aggregate	Electricity	0	0	0	0	0.002809106	0.012904331
Statewide	2021	LDT2	Aggregate	Aggregate	Gasoline	0.378098899	0	0.056076351	0.434175	1.761488166	8.091836262
Statewide	2021	LDT2	Aggregate	Aggregate	Diesel	0.00918916	0	0	0.009189	0.011610514	0.053335797
Statewide	2021	MHDT	Aggregate	Aggregate	Gasoline	0.003587532	0	0.000536755	0.004124	0.03519239	0.382248012
Statewide	2021	MHDT	Aggregate	Aggregate	Diesel	1.556036718	0.008899759	0	1.564936	0.237340844	2.577917132



Source: EMFAC2017 (v1.0.2) Emissions Inventory  
Region Type: Statewide  
Region: California  
Calendar Year: 2021  
Season: Annual  
Vehicle Classification: EMFAC2007 Categories  
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM10_T OTAL	CO2_RU NEX	CO2_IDL EX	CO2_ST REX	CO2_TO TEX	CH4_RU NEX	CH4_IDL EX	CH4_ST REX	CH4_TO TEX
Statewide	2021	HHDT	Aggregate	Aggregate	Gasoline	0.001599	40.47614	0	0.190494	40.66664	0.002472	0	1.09E-06	0.002473
Statewide	2021	HHDT	Aggregate	Aggregate	Diesel	7.158576	67371.85	5034.533	0	72406.38	0.229199	0.096005	0	0.325204
Statewide	2021	LDA	Aggregate	Aggregate	Gasoline	30.19765	178960.9	0	4491.949	183452.8	1.998324	0	4.581801	6.580125
Statewide	2021	LDA	Aggregate	Aggregate	Diesel	0.355494	1395.422	0	0	1395.422	0.005972	0	0	0.005972
Statewide	2021	LDA	Aggregate	Aggregate	Electricity	0.523441	0	0	0	0	0	0	0	0
Statewide	2021	LDT1	Aggregate	Aggregate	Gasoline	3.237248	21990.33	0	580.5002	22570.83	0.529893	0	0.744327	1.27422
Statewide	2021	LDT1	Aggregate	Aggregate	Diesel	0.006011	13.43563	0	0	13.43563	0.000282	0	0	0.000282
Statewide	2021	LDT1	Aggregate	Aggregate	Electricity	0.015713	0	0	0	0	0	0	0	0
Statewide	2021	LDT2	Aggregate	Aggregate	Gasoline	10.2875	77447.09	0	2053.636	79500.73	1.122308	0	2.234606	3.356914
Statewide	2021	LDT2	Aggregate	Aggregate	Diesel	0.074135	423.5101	0	0	423.5101	0.001276	0	0	0.001276
Statewide	2021	MHDT	Aggregate	Aggregate	Gasoline	0.421565	5067.766	29.45151	42.90451	5140.122	0.052162	0.013996	0.044249	0.110407
Statewide	2021	MHDT	Aggregate	Aggregate	Diesel	4.380194	20378.04	295.2294	0	20673.27	0.150248	0.001859	0	0.152106

Source: EMFAC2017 (v1.0.2) Emissions Inventory  
Region Type: Statewide  
Region: California  
Calendar Year: 2021  
Season: Annual  
Vehicle Classification: EMFAC2007 Categories  
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	N2O_RU NEX	N2O_IDL EX	N2O_ST REX	N2O_TO TEX	ROG_RU NEX	ROG_IDL EX	ROG_ST REX	ROG_TO TEX	ROG_DIURN
Statewide	2021	HHDT	Aggregate	Aggregate	Gasoline	0.003154	0	7.04E-05	0.003224	0.013346	0	5.7E-06	0.013351	2.09184E-05
Statewide	2021	HHDT	Aggregate	Aggregate	Diesel	10.58992	0.791358	0	11.38128	4.93459	2.066972	0	7.001562	0
Statewide	2021	LDA	Aggregate	Aggregate	Gasoline	3.230025	0	2.166921	5.396946	7.893061	0	21.02939	28.92245	4.660910915
Statewide	2021	LDA	Aggregate	Aggregate	Diesel	0.219341	0	0	0.219341	0.128578	0	0	0.128578	0
Statewide	2021	LDA	Aggregate	Aggregate	Electricity	0	0	0	0	0	0	0	0	0.006281641
Statewide	2021	LDT1	Aggregate	Aggregate	Gasoline	0.661611	0	0.271646	0.933257	2.365559	0	3.839847	6.205405	1.332757619
Statewide	2021	LDT1	Aggregate	Aggregate	Diesel	0.002112	0	0	0.002112	0.006079	0	0	0.006079	0
Statewide	2021	LDT1	Aggregate	Aggregate	Electricity	0	0	0	0	0	0	0	0	0.000188267
Statewide	2021	LDT2	Aggregate	Aggregate	Gasoline	1.755154	0	0.998073	2.753227	4.694524	0	10.74712	15.44164	2.450799634
Statewide	2021	LDT2	Aggregate	Aggregate	Diesel	0.06657	0	0	0.06657	0.027463	0	0	0.027463	0
Statewide	2021	MHDT	Aggregate	Aggregate	Gasoline	0.080033	0.000399	0.030868	0.1113	0.25921	0.05394	0.240456	0.553606	0.00278181
Statewide	2021	MHDT	Aggregate	Aggregate	Diesel	3.203145	0.046406	0	3.249551	3.23479	0.040014	0	3.274804	0

Source: EMFAC2017 (v1.0.2) Emissions Inventory  
Region Type: Statewide  
Region: California  
Calendar Year: 2021  
Season: Annual  
Vehicle Classification: EMFAC2007 Categories  
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_TOTAL	TOG_RUNEX	TOG_IDLEX
Statewide	2021	HHDT	Aggregate	Aggregate	Gasoline	0.00076618	0.004809	1.2533E-05	0.018960074	0.019474037	0
Statewide	2021	HHDT	Aggregate	Aggregate	Diesel	0	0	0	7.001561827	5.617654796	2.353090376
Statewide	2021	LDA	Aggregate	Aggregate	Gasoline	9.088606422	18.63679	4.05691795	65.36567755	11.51054076	0
Statewide	2021	LDA	Aggregate	Aggregate	Diesel	0	0	0	0.128578429	0.146377992	0
Statewide	2021	LDA	Aggregate	Aggregate	Electricity	0.007206746	0	0.00209646	0.015584851	0	0
Statewide	2021	LDT1	Aggregate	Aggregate	Gasoline	2.137992818	7.4792234	1.0259408	18.18132011	3.448617374	0
Statewide	2021	LDT1	Aggregate	Aggregate	Diesel	0	0	0	0.006079354	0.00692094	0
Statewide	2021	LDT1	Aggregate	Aggregate	Electricity	0.000213184	0	6.3083E-05	0.000464534	0	0
Statewide	2021	LDT2	Aggregate	Aggregate	Gasoline	4.262668316	14.233308	2.22307769	38.6114974	6.845997078	0
Statewide	2021	LDT2	Aggregate	Aggregate	Diesel	0	0	0	0.027463321	0.031265165	0
Statewide	2021	MHDT	Aggregate	Aggregate	Gasoline	0.104942264	0.5901301	0.00151112	1.252970845	0.378238326	0.078708983
Statewide	2021	MHDT	Aggregate	Aggregate	Diesel	0	0	0	3.274803859	3.682562357	0.045552554

Source: EMFAC2017 (v1.0.2) Emissions Inventory  
Region Type: Statewide  
Region: California  
Calendar Year: 2021  
Season: Annual  
Vehicle Classification: EMFAC2007 Categories  
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	TOG_STREX	TOG_TO TEX	TOG_DIU RN	TOG_HO TSOAK	TOG_RU NLOSS	TOG_RESTLOSS	TOG_TOTAL
Statewide	2021	HHDT	Aggregate	Aggregate	Gasoline	6.23983E-06	0.01948	2.09E-05	0.000766	0.004809	1.25325E-05	0.025088936
Statewide	2021	HHDT	Aggregate	Aggregate	Diesel	0	7.970745	0	0	0	0	7.970745172
Statewide	2021	LDA	Aggregate	Aggregate	Gasoline	23.02435701	34.5349	4.660911	9.088606	18.63679	4.05691795	70.97812348
Statewide	2021	LDA	Aggregate	Aggregate	Diesel	0	0.146378	0	0	0	0	0.146377992
Statewide	2021	LDA	Aggregate	Aggregate	Electricity	0	0	0.006282	0.007207	0	0.002096464	0.015584851
Statewide	2021	LDT1	Aggregate	Aggregate	Gasoline	4.204113289	7.652731	1.332758	2.137993	7.479223	1.025940796	19.62864532
Statewide	2021	LDT1	Aggregate	Aggregate	Diesel	0	0.006921	0	0	0	0	0.00692094
Statewide	2021	LDT1	Aggregate	Aggregate	Electricity	0	0	0.000188	0.000213	0	6.30833E-05	0.000464534
Statewide	2021	LDT2	Aggregate	Aggregate	Gasoline	11.76669441	18.61269	2.4508	4.262668	14.23331	2.223077691	41.78254463
Statewide	2021	LDT2	Aggregate	Aggregate	Diesel	0	0.031265	0	0	0	0	0.031265165
Statewide	2021	MHDT	Aggregate	Aggregate	Gasoline	0.263268843	0.720216	0.002782	0.104942	0.59013	0.001511123	1.419581488
Statewide	2021	MHDT	Aggregate	Aggregate	Diesel	0	3.728115	0	0	0	0	3.728114911

Source: EMFAC2017 (v1.0.2) Emissions Inventory  
Region Type: Statewide  
Region: California  
Calendar Year: 2021  
Season: Annual  
Vehicle Classification: EMFAC2007 Categories  
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	SOx_RUNEX	SOx_IDLEX	SOx_STREX
Statewide	2021	HHDT	Aggregate	Aggregate	Gasoline	0.77139675	0	0.019022763	0.790419509	0.000400544	0	1.88509E-06
Statewide	2021	HHDT	Aggregate	Aggregate	Diesel	20.1198021	26.72457	0	46.84437231	0.636495848	0.04756377	0
Statewide	2021	LDA	Aggregate	Aggregate	Gasoline	475.121841	0	183.7260554	658.8478966	1.770962782	0	0.044451474
Statewide	2021	LDA	Aggregate	Aggregate	Diesel	1.71749871	0	0	1.717498711	0.013191759	0	0
Statewide	2021	LDA	Aggregate	Aggregate	Electricity	0	0	0	0	0	0	0
Statewide	2021	LDT1	Aggregate	Aggregate	Gasoline	102.166103	0	22.01728918	124.1833918	0.217612104	0	0.00574452
Statewide	2021	LDT1	Aggregate	Aggregate	Diesel	0.03756016	0	0	0.037560163	0.000127015	0	0
Statewide	2021	LDT1	Aggregate	Aggregate	Electricity	0	0	0	0	0	0	0
Statewide	2021	LDT2	Aggregate	Aggregate	Gasoline	234.963649	0	82.43175082	317.3954001	0.76640174	0	0.020322393
Statewide	2021	LDT2	Aggregate	Aggregate	Diesel	0.22647608	0	0	0.226476084	0.004003694	0	0
Statewide	2021	MHDT	Aggregate	Aggregate	Gasoline	6.27736284	0.7871104	5.322707638	12.38718089	0.050149651	0.00029145	0.000424575
Statewide	2021	MHDT	Aggregate	Aggregate	Diesel	9.85070608	0.8196179	0	10.67032403	0.192521646	0.00278918	0

Source: EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: Statewide

Region: California

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	SOx_TOTEX	Fuel Consumption
Statewide	2021	HHDT	Aggregate	Aggregate	Gasoline	0.000402429	4.292493735
Statewide	2021	HHDT	Aggregate	Aggregate	Diesel	0.684059619	6453.076419
Statewide	2021	LDA	Aggregate	Aggregate	Gasoline	1.815414256	19364.03145
Statewide	2021	LDA	Aggregate	Aggregate	Diesel	0.013191759	124.3642615
Statewide	2021	LDA	Aggregate	Aggregate	Electricity	0	0
Statewide	2021	LDT1	Aggregate	Aggregate	Gasoline	0.223356623	2382.423001
Statewide	2021	LDT1	Aggregate	Aggregate	Diesel	0.000127015	1.197423697
Statewide	2021	LDT1	Aggregate	Aggregate	Electricity	0	0
Statewide	2021	LDT2	Aggregate	Aggregate	Gasoline	0.786724133	8391.556255
Statewide	2021	LDT2	Aggregate	Aggregate	Diesel	0.004003694	37.74450754
Statewide	2021	MHDT	Aggregate	Aggregate	Gasoline	0.050865673	542.5563227
Statewide	2021	MHDT	Aggregate	Aggregate	Diesel	0.195310827	1842.464685



## **Air Quality Emission Summary**

	CO	ROG	NO <sub>x</sub>	ROG + Nox	SO <sub>x</sub>	Fugitive Dust PM <sub>10</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM
<b>Maximum Daily Emissions (lbs/day)</b>									
CalEEMod Sources	78.13	12.52	141.38	153.90	0.29	10.40	14.25	8.26	4.36
Helicopter	23.99	19.92	101.64	121.56	9.37	66.14	68.94	68.94	-
Total Maximum Daily	102.12	32.44	243.02	275.46	9.65	76.54	83.19	77.20	4.36
Significance Thresholds	-	-	-	137	-				7
Significant?	-	-	-	Yes	-				No
<b>Maximum Quarterly Emissions (tons/quarter)</b>									
CalEEMod Sources	-	-	-	3.78	-	0.06	-	-	0.12
Helicopter	-	0.9	4.57	5.47	-	2.98	-	-	-
Total Maximum Quarterly	-			9.25	-	3.04	-	-	0.12
Significance Thresholds	-	-	-	2.5/6.3	-	2.5	-	-	0.13
Significant?	-	-	-	Yes, Tier 2	-	Yes	-	-	No
<b>Total Project Emissions (tons)</b>									
CalEEMod Sources	6.75	1.05	10.20	11.25	0.02	0.30	0.67	0.43	0.37
Helicopter	1.58	1.31	6.71	8.02	0.62	4.37	4.55	4.55	-
Total Construction Project	8.33	2.36	16.91	19.27	0.64	4.67	5.22	4.98	0.37

## **Helicopter Emission Calculations**

**Table 1: Helicopter Combustion Emissions**  
**Estrella Substation and Paso Robles Area Reinforcement Project**

Helicopter Type <sup>1</sup>	Activity <sup>2</sup>			Emissions (lb/day) <sup>3</sup>								Emissions (tons/project or MT/project) <sup>4</sup>					
	Number of Days	Hours per Day	Number of LTOs per Day	Fuel kg/day	CO	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO <sub>2</sub>	Fuel MT/project	CO	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO <sub>2</sub>
Sikorsky S70	132	10	20	4,248	23.99	101.64	19.92	2.80	2.80	11,673.74	560.75	1.58	6.71	1.31	0.18	0.18	#####

Notes:

1. Section 2.5.3 of the Project Description states that a light-duty and medium-duty helicopters with a maximum payload capacity of 4,000-10,000 pounds may be used. There would only be one helicopter used at any one time. A Sikorsky S70 helicopter was used to model emissions as it is a model that can handle the required payload.

2. Section 2.5.3 of the Project Description states that the helicopter would be used for a maximum of 132 days during a 7 month construction period. Hours of operations for the helicopters would be from 7:00 am to 5:30 pm. It was assumed that there could be up to two Landing and Take Off (LTO) per hour.

3. Helicopter emission factors are described in Table 2: Helicopter Emission Factors. The LTO sequence emissions are multiplied with the number of events per day. The cruising emission factors is multiplied by the total hours per day minus takeoff and landing time.

4. Criteria pollutants are in terms of tons (CO, NO<sub>x</sub>, ROG, PM<sub>10</sub> and PM<sub>2.5</sub>) and GHG pollutants (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O and CO<sub>2</sub>e) are in metric tonnes (MT).

**Table 2: Helicopter Fuel Consumption and Emission Factors**

Helicopter Type	Engine Name	Engine Max SHP	Number of Engines	SHP Correction Factor	Climbout Engine Power Percentage <sup>1</sup>	Climb Out Operating Time (seconds) <sup>1</sup>	Climbout Fuel Consumption kg/second <sup>2,3</sup>	Climbout Emission Factors grams pollutant per kg fuel <sup>2,3</sup>					Cruising Fuel Consumption kg/hr <sup>2</sup>	Cruising Emission Factors g/hour <sup>2</sup>				
								CO EF	NO <sub>x</sub> EF	HC EF	PM EF	CO <sub>2</sub>		CO EF	NO <sub>x</sub> EF	HC EF	PM EF	CO <sub>2</sub>
Sikorsky S70	GE CT7-8A	2740	2	1622	0.85	887	0.09	2.45	11.09	2.04	0.30	3,155.00	508	1,336	5,432	1,108	150	3,155
LTO Cycle Values							84	205	928	171	25	263,956						

Notes:

1. The ADET model only uses Climbout of the LTO sequence for helicopters. Climb out is assumed to be at 85% power and for 887 seconds. (FAA 2016).

2. Fuel consumption and emission factors were based on detailed engine values from FOCA as this engine is not available in the ICAO database. HC emission factors were converted to ROG emission factors based on the default AEDT conversion factors for turbine engines. FOCA. 2015. Guidance on the Determination of Helicopter Emissions, Edition 2, December. <https://www.bazl.admin.ch/bazl/en/home/specialists/regulations-and-guidelines/environment/pollutant-emissions/aircraft-engine-emissions/guidance-on-the-determination-of-helicopter-emissions.html>.

3. The LTO emissions associated with climbout were used rather than the whole LTO cycle to be consistent with ADEC methods. The percentage of power in climbout was adjusted from the FOCA default of 66% to the ADET default of 85%.

**Table 3: Fugitive Dust Emissions from Helicopters.**

<b>Number of LTOs per day</b>	<b>PM EF kg PM/LTO</b>	<b>Daily PM (lb/day)</b>	<b>Total Project PM</b>
20	1.5	66.14	4.37

Notes:

1. The emission factor for fugitive dust for helicopters is based on Gillies et al. 2007 which states that 0.5 kg per take off and 1 kg for landing.

**CalEEMod Output Files for Proposed Project (No Mitigation)**



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**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	119.40	5,201,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.2	<b>Precipitation Freq (Days)</b>	44
<b>Climate Zone</b>	3			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Current Temp. Disturbance Area Total from Project Description

Construction Phase - Dates entered based on the specific number of days from the PEA CALEEMOD input file, with consideration of the specific months during which construction is likely to occur as indicated in the Project Description of the EIR.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

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Off-road Equipment - Values based on PEA and Project Description.  
Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description. Helicopter emissions modeled separately and not included here.

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values Based on PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

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Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description.

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Distribution

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description. Helicopter emissions modeled outside of CalEEMod and not included here.

Off-road Equipment - Values based on PEA and Project Description. Helicopter emissions calculated separately and not included here.

Off-road Equipment - Based on values in PEA and Project Description

Trips and VMT - Values based on PEA and Project Description

Grading - Waiting on temp. disturbance area and material import/export values for some phases

Area Coating - No Architectural Coating

Water And Wastewater - No Water Use

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
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tblAreaCoating	Area_Nonresidential_Interior	7801500	0
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tblVehicleTrips	CC_TTP	0.00	28.00
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tblVehicleTrips	PB_TP	0.00	2.00
tblVehicleTrips	PR_TP	0.00	79.00

**2.0 Emissions Summary**

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	3.3863	3.3863
2	4-1-2021	6-30-2021	3.7899	3.7899
3	7-1-2021	9-30-2021	1.0755	1.0755
4	10-1-2021	12-31-2021	1.0668	1.0668
5	1-1-2022	3-31-2022	1.0047	1.0047
6	4-1-2022	6-30-2022	0.8678	0.8678
		Highest	3.7899	3.7899

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	20.3125	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
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
<b>Total</b>	<b>20.3125</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

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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	20.3125	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
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
<b>Total</b>	<b>20.3125</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

	ROG	NOx	CO	SO2	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	Reconductoring Site Prep	Site Preparation	1/1/2021	1/28/2021	6	24	Reconductor Site Prep
2	230kv Sub Access Road	Grading	1/1/2021	1/14/2021	6	12	230 Sub Access Road



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3	230kV Transmission Site Work Prep	Site Preparation	1/5/2021	2/1/2021	6	24	230 TRANS Site Work Prep
4	230kV Sub Site Work Area	Site Preparation	1/15/2021	2/4/2021	6	18	230 Sub Site Work Area
5	70kV Substation Site Work Area Prep Mobil	Site Preparation	1/25/2021	2/6/2021	6	12	70 Sub Site Work Area
6	230kV Sub Fence Gate Install	Building Construction	2/1/2021	2/13/2021	6	12	230 Sub Fence Gate
7	Reconductoring Pole Install	Building Construction	2/1/2021	7/17/2021	6	144	Reconductor Pole Install
8	230kV Transmission Foundation Tower	Building Construction	2/2/2021	3/29/2021	6	48	230 TRANS Foundation Tower
9	70kV Substation Foundation Construction	Building Construction	2/5/2021	3/4/2021	6	24	70 Sub Foundation Construction
10	70kV Substation Ground Grid	Building Construction	2/5/2021	3/4/2021	6	24	70 Sub Ground Grid
11	230kV Sub Foundation Construction	Building Construction	2/8/2021	3/20/2021	6	36	230 Sub Foundation
12	Reconductoring Conductor Install	Building Construction	3/1/2021	7/17/2021	6	120	Reconductor Conductor Install
13	70kV Sub Steel Bus Erection	Building Construction	3/5/2021	4/1/2021	6	24	70 Sub Steel Bus
14	230kV Sub Ground Grid	Building Construction	3/10/2021	4/6/2021	6	24	230 Sub Ground Grid
15	230kV Transmission Conductor	Building Construction	4/1/2021	4/28/2021	6	24	230 TRANS Conductor
16	70 kV Substation Equip Delivery	Building Construction	4/1/2021	4/21/2021	6	18	70 Sub Equip Delivery
17	70kV Substation Control Enclosure	Building Construction	4/1/2021	4/7/2021	6	6	70 Sub Control Enclosure
18	230kV Sub Steel Bus	Building Construction	4/2/2021	4/29/2021	6	24	230 Sub Steel Bus
19	230kV Sub Install Yard Rock	Building Construction	4/16/2021	5/6/2021	6	18	230 Sub Install Yard Rock
20	70kV Substation Cable Installation	Building Construction	4/22/2021	5/12/2021	6	18	70 Sub Cable Install
21	230kV Sub Transformer	Building Construction	4/23/2021	5/27/2021	6	30	230 Sub Transformer
22	230kV Transmission Cleanup Restore	Site Preparation	5/1/2021	5/7/2021	6	6	230 TRANS Cleanup Restore
23	230kV Sub Control Enclosure Delivery	Building Construction	5/1/2021	5/14/2021	6	12	230 Sub Control Enclosure
24	70kV Substation Install Yard Rock	Building Construction	5/1/2021	5/14/2021	6	12	70 Sub Install Yard Rock
25	230kV Sub Remaining Equipment Delivery	Building Construction	5/8/2021	6/4/2021	6	24	230 Sub Remaining Equipment
26	70kV Substation Cleanup Restore	Site Preparation	5/15/2021	5/28/2021	6	12	70 Sub Cleanup Restore
27	230kV Sub Cable Install Termination	Building Construction	5/22/2021	6/4/2021	6	12	230 Sub Cable Install Term

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28	70kV Substation Testing Commissioning	Site Preparation	6/1/2021	6/21/2021	6	18	70 Sub Testing Commissioning
29	230kV Sub Testing and Commissioning	Building Construction	6/1/2021	7/5/2021	6	30	230 Sub Testing
30	230kV Substation Cleanup Restore	Site Preparation	7/1/2021	7/21/2021	6	18	230 Sub Cleanup Restore
31	70kV Power Line Site Work Prep	Site Preparation	8/1/2021	8/28/2021	6	24	70 POWER Site Work Prep
32	Reconductoring Cleanup Restore	Site Preparation	8/1/2021	8/14/2021	6	12	Reconductor Cleanup Restore
33	70kV Power Line Pole Tower Install	Building Construction	9/1/2021	4/16/2022	6	196	70 POWER Pole Tower Install
34	Distribution Facilities Mobilization	Site Preparation	1/1/2022	1/14/2022	6	12	Distribution Facilities Mobilization
35	Distribution Foundation Construction	Building Construction	1/6/2022	2/2/2022	6	24	Distribution Foundation Construct
36	Distribution Ground Grid	Building Construction	1/20/2022	2/16/2022	6	24	Distribution Ground Grid
37	Distribution Steel Bus Erection	Building Construction	2/9/2022	3/8/2022	6	24	Distribution Steel Bus Erection
38	Distribution Bank Breaker	Building Construction	2/16/2022	3/8/2022	6	18	Distribution Bank Breaker
39	Distribution Feeder Conduit	Building Construction	2/23/2022	4/5/2022	6	36	Distribution Feeder Conduit
40	Distribution Cable Install	Building Construction	3/15/2022	4/11/2022	6	24	Distribution Cable Install
41	Distribution Testing	Building Construction	4/1/2022	4/28/2022	6	24	Distribution Testing
42	Distribution Cleanup Restore	Site Preparation	4/29/2022	5/12/2022	6	12	Distribution Cleanup Restore
43	70kV Power Line Conductor Install	Building Construction	5/1/2022	6/25/2022	6	48	70 POWER Conductor Install
44	70kV Power Line Cleanup Restore	Site Preparation	6/17/2022	6/30/2022	6	12	70 POWER Cleanup Restore

**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**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Reconductoring Site Prep	Graders	1	6.00	187	0.41
Reconductoring Site Prep	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kv Sub Access Road	Concrete/Industrial Saws	0	8.00	81	0.73
230kv Sub Access Road	Rubber Tired Dozers	0	1.00	247	0.40
230kv Sub Access Road	Tractors/Loaders/Backhoes	2	8.00	97	0.37
230kV Transmission Site Work Prep	Graders	1	6.00	187	0.41
230kV Transmission Site Work Prep	Off-Highway Trucks	0	10.00	402	0.38
230kV Transmission Site Work Prep	Rollers	0	8.00	80	0.38
230kV Transmission Site Work Prep	Rubber Tired Dozers	0	8.00	247	0.40
230kV Transmission Site Work Prep	Scrapers	0	8.00	367	0.48
230kV Transmission Site Work Prep	Tractors/Loaders/Backhoes	1	6.00	97	0.37
230kV Sub Site Work Area	Graders	1	8.00	187	0.41
230kV Sub Site Work Area	Graders	0	8.00	187	0.41
230kV Sub Site Work Area	Off-Highway Trucks	4	10.00	402	0.38
230kV Sub Site Work Area	Rollers	2	8.00	80	0.38
230kV Sub Site Work Area	Rubber Tired Dozers	1	8.00	247	0.40
230kV Sub Site Work Area	Scrapers	1	8.00	367	0.48
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	1	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Site Work Area Prep Mobil	Graders	1	4.00	187	0.41
70kV Substation Site Work Area Prep Mobil	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kV Sub Fence Gate Install	Cranes	0	4.00	231	0.29
230kV Sub Fence Gate Install	Forklifts	0	6.00	89	0.20

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230kV Sub Fence Gate Install	Rubber Tired Dozers	0	1.00	247	0.40
230kV Sub Fence Gate Install	Skid Steer Loaders	1	4.00	65	0.37
230kV Sub Fence Gate Install	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Reconductoring Pole Install	Bore/Drill Rigs	1	6.00	221	0.50
Reconductoring Pole Install	Cranes	3	6.00	231	0.29
Reconductoring Pole Install	Cranes	1	1.00	231	0.29
Reconductoring Pole Install	Off-Highway Trucks	2	3.00	402	0.38
Reconductoring Pole Install	Off-Highway Trucks	2	2.00	402	0.38
230kV Transmission Foundation Tower	Bore/Drill Rigs	1	1.00	221	0.50
230kV Transmission Foundation Tower	Cranes	3	5.30	231	0.29
230kV Transmission Foundation Tower	Forklifts	3	2.60	89	0.20
230kV Transmission Foundation Tower	Off-Highway Trucks	2	3.50	402	0.38
230kV Transmission Foundation Tower	Off-Highway Trucks	2	2.60	402	0.38
230kV Transmission Foundation Tower	Tractors/Loaders/Backhoes	1	0.50	97	0.37
70kV Substation Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
70kV Substation Foundation Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
70kV Substation Foundation Construction	Trenchers	1	8.00	78	0.50
70kV Substation Ground Grid	Cranes	0	4.00	231	0.29
70kV Substation Ground Grid	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70kV Substation Ground Grid	Trenchers	1	6.00	78	0.50
230kV Sub Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
230kV Sub Foundation Construction	Cranes	1	5.00	231	0.29
230kV Sub Foundation Construction	Forklifts	0	6.00	89	0.20
230kV Sub Foundation Construction	Forklifts	0	6.00	89	0.20
230kV Sub Foundation Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Foundation Construction	Tractors/Loaders/Backhoes	1	5.00	97	0.37

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Reconductoring Conductor Install	Cranes	2	8.00	231	0.29
Reconductoring Conductor Install	Forklifts	1	3.00	89	0.20
Reconductoring Conductor Install	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	2	4.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	1	6.00	402	0.38
Reconductoring Conductor Install	Other General Industrial Equipment	2	6.00	88	0.34
70kV Sub Steel Bus Erection	Aerial Lifts	2	8.00	63	0.31
70kV Sub Steel Bus Erection	Off-Highway Trucks	2	6.00	402	0.38
70kV Sub Steel Bus Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Ground Grid	Forklifts	0	6.00	89	0.20
230kV Sub Ground Grid	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Ground Grid	Trenchers	1	8.00	78	0.50
230kV Transmission Conductor	Cranes	3	6.00	231	0.29
230kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
230kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
70 kV Substation Equip Delivery	Aerial Lifts	2	4.00	63	0.31
70 kV Substation Equip Delivery	Off-Highway Trucks	1	5.30	402	0.38
70 kV Substation Equip Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Control Enclosure	Cranes	0	4.00	231	0.29
70kV Substation Control Enclosure	Forklifts	0	6.00	89	0.20
70kV Substation Control Enclosure	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Steel Bus	Aerial Lifts	1	6.00	63	0.31
230kV Sub Steel Bus	Off-Highway Trucks	1	8.00	402	0.38
230kV Sub Steel Bus	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Install Yard Rock	Cranes	0	4.00	231	0.29
230kV Sub Install Yard Rock	Cranes	0	4.00	231	0.29

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230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Skid Steer Loaders	1	10.00	65	0.37
230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Cable Installation	Cranes	0	4.00	231	0.29
70kV Substation Cable Installation	Forklifts	0	6.00	89	0.20
70kV Substation Cable Installation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Cranes	1	6.00	231	0.29
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Generator Sets	1	5.00	84	0.74
230kV Sub Transformer	Off-Highway Trucks	2	10.00	402	0.38
230kV Sub Transformer	Off-Highway Trucks	1	4.80	402	0.38
230kV Sub Transformer	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Transmission Cleanup Restore	Graders	1	8.00	187	0.41
230kV Transmission Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kV Sub Control Enclosure Delivery	Cranes	1	6.00	231	0.29
230kV Sub Control Enclosure Delivery	Forklifts	0	6.00	89	0.20

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230kV Sub Control Enclosure Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Install Yard Rock	Forklifts	0	6.00	89	0.20
70kV Substation Install Yard Rock	Skid Steer Loaders	1	8.00	231	0.29
70kV Substation Install Yard Rock	Tractors/Loaders/Backhoes	1	8.00	97	0.37
230kV Sub Remaining Equipment Delivery	Forklifts	0	6.00	89	0.20
230kV Sub Remaining Equipment Delivery	Off-Highway Trucks	1	6.00	402	0.38
230kV Sub Remaining Equipment Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Cleanup Restore	Graders	0	8.00	187	0.41
70kV Substation Cleanup Restore	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Cable Install Termination	Aerial Lifts	1	8.00	63	0.31
230kV Sub Cable Install Termination	Forklifts	0	6.00	89	0.20
230kV Sub Cable Install Termination	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Testing Commissioning	Graders	0	8.00	187	0.41
70kV Substation Testing Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Cement and Mortar Mixers	0	6.00	9	0.56
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Pavers	0	7.00	130	0.42
230kV Sub Testing and Commissioning	Rollers	0	7.00	80	0.38
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	7.00	97	0.37

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230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Substation Cleanup Restore	Other General Industrial Equipment	1	6.00	88	0.34
230kV Substation Cleanup Restore	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70kV Power Line Site Work Prep	Graders	2	6.00	187	0.41
70kV Power Line Site Work Prep	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Reconductoring Cleanup Restore	Graders	1	6.00	187	0.41
Reconductoring Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70kV Power Line Pole Tower Install	Cranes	1	4.00	231	0.29
70kV Power Line Pole Tower Install	Off-Highway Trucks	7	4.00	402	0.38
70kV Power Line Pole Tower Install	Tractors/Loaders/Backhoes	2	4.00	97	0.37
Distribution Facilities Mobilization	Graders	0	8.00	187	0.41
Distribution Facilities Mobilization	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Distribution Foundation Construction	Cranes	0	4.00	231	0.29
Distribution Foundation Construction	Forklifts	0	6.00	89	0.20
Distribution Foundation Construction	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Distribution Ground Grid	Cranes	1	1.50	231	0.29
Distribution Ground Grid	Forklifts	0	6.00	89	0.20
Distribution Ground Grid	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Steel Bus Erection	Cranes	0	4.00	231	0.29
Distribution Steel Bus Erection	Forklifts	0	6.00	89	0.20
Distribution Steel Bus Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Bank Breaker	Cranes	1	2.00	231	0.29
Distribution Bank Breaker	Forklifts	0	6.00	89	0.20
Distribution Bank Breaker	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Feeder Conduit	Forklifts	0	6.00	89	0.20



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Distribution Feeder Conduit	Off-Highway Trucks	2	4.00	402	0.38
Distribution Feeder Conduit	Tractors/Loaders/Backhoes	1	1.30	97	0.37
Distribution Cable Install	Cranes	0	4.00	231	0.29
Distribution Cable Install	Forklifts	0	6.00	89	0.20
Distribution Cable Install	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Distribution Testing	Cranes	0	4.00	231	0.29
Distribution Testing	Forklifts	0	6.00	89	0.20
Distribution Testing	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Cleanup Restore	Graders	0	8.00	187	0.41
Distribution Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70kV Power Line Conductor Install	Cranes	3	6.00	231	0.29
70kV Power Line Conductor Install	Forklifts	1	3.00	89	0.20
70kV Power Line Conductor Install	Off-Highway Trucks	3	4.00	402	0.38
70kV Power Line Conductor Install	Off-Highway Trucks	1	6.00	402	0.38
70kV Power Line Conductor Install	Off-Highway Trucks	2	2.00	402	0.38
70kV Power Line Conductor Install	Other General Industrial Equipment	1	6.00	88	0.34
70kV Power Line Conductor Install	Other General Industrial Equipment	1	6.00	88	0.34
70kV Power Line Cleanup Restore	Graders	1	6.00	187	0.41
70kV Power Line Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Reconductoring Site Prep	2	12.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kv Sub Access Road	2	20.00	33.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Site Work Prep	2	16.00	11.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Site Work Area	10	20.00	11.00	756.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

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70kV Substation Site Work Area Prep Mobil	2	12.00	6.00	756.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Fence Gate Install	1	10.00	30.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Pole Install	9	40.00	13.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Foundation Tower	12	20.00	12.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Foundation Constructi	3	12.00	13.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Ground Grid	2	8.00	9.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Foundation Constructi	3	24.00	31.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Conductor Install	12	30.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Sub Steel Bus Erection	4	16.00	9.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Ground Grid	1	10.00	29.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Conductor	7	30.00	11.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70 kV Substation Equip Delivery	3	12.00	12.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Control Enclosure	0	10.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Steel Bus	2	10.00	30.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Install Yard Rock	1	16.00	45.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Cable Installation	0	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Transformer	6	16.00	30.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Clean up Pastore	2	10.00	9.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Control Enclosure Delivery	1	12.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Install Yard Rock	2	12.00	16.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Remaining Equipment Delivery	1	10.00	28.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Clean up Pastore	0	8.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Cable Install Termination	1	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Testing Commissionin	0	8.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Testing and Commissionin	0	10.00	26.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Substation Clean up Pastore	2	6.00	29.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Site Work Prep	3	12.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

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Reconductoring Cleanup Restore	2	12.00	5.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Pole Tower Install	10	42.00	15.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Facilities Mobilization	1	12.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Foundation Constructi	1	24.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Ground Grid	1	20.00	4.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Steel Bus Erection	0	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Bank Breaker	1	10.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Feeder Conduit	3	16.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Cable Install	1	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Testing	0	6.00	1.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Cleanup Restore	1	6.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Conductor Install	12	36.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Cleanup Restore	2	12.00	7.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

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**3.2 Reconductoring Site Prep - 2021**

**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					6.3600e-003	0.0000	6.3600e-003	6.9000e-004	0.0000	6.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2000e-003	0.0647	0.0295	8.0000e-005		2.3600e-003	2.3600e-003		2.1700e-003	2.1700e-003	0.0000	6.8770	6.8770	2.2200e-003	0.0000	6.9326
<b>Total</b>	<b>5.2000e-003</b>	<b>0.0647</b>	<b>0.0295</b>	<b>8.0000e-005</b>	<b>6.3600e-003</b>	<b>2.3600e-003</b>	<b>8.7200e-003</b>	<b>6.9000e-004</b>	<b>2.1700e-003</b>	<b>2.8600e-003</b>	<b>0.0000</b>	<b>6.8770</b>	<b>6.8770</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>6.9326</b>

**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	3.7000e-004	0.0114	3.3500e-003	2.0000e-005	5.5000e-004	3.0000e-005	5.8000e-004	1.6000e-004	3.0000e-005	1.9000e-004	0.0000	2.2948	2.2948	1.4000e-004	0.0000	2.2982
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>9.6000e-004</b>	<b>0.0119</b>	<b>7.8400e-003</b>	<b>3.0000e-005</b>	<b>1.9400e-003</b>	<b>4.0000e-005</b>	<b>1.9800e-003</b>	<b>5.3000e-004</b>	<b>4.0000e-005</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>3.4151</b>	<b>3.4151</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.4193</b>

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**3.2 Reconductoring Site Prep - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8600e-003	0.0000	2.8600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2000e-003	0.0647	0.0295	8.0000e-005		2.3600e-003	2.3600e-003		2.1700e-003	2.1700e-003	0.0000	6.8770	6.8770	2.2200e-003	0.0000	6.9326
<b>Total</b>	<b>5.2000e-003</b>	<b>0.0647</b>	<b>0.0295</b>	<b>8.0000e-005</b>	<b>2.8600e-003</b>	<b>2.3600e-003</b>	<b>5.2200e-003</b>	<b>3.1000e-004</b>	<b>2.1700e-003</b>	<b>2.4800e-003</b>	<b>0.0000</b>	<b>6.8770</b>	<b>6.8770</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>6.9326</b>

**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	3.7000e-004	0.0114	3.3500e-003	2.0000e-005	5.5000e-004	3.0000e-005	5.8000e-004	1.6000e-004	3.0000e-005	1.9000e-004	0.0000	2.2948	2.2948	1.4000e-004	0.0000	2.2982
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>9.6000e-004</b>	<b>0.0119</b>	<b>7.8400e-003</b>	<b>3.0000e-005</b>	<b>1.9400e-003</b>	<b>4.0000e-005</b>	<b>1.9800e-003</b>	<b>5.3000e-004</b>	<b>4.0000e-005</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>3.4151</b>	<b>3.4151</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.4193</b>

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**3.3 230kv Sub Access Road - 2021**

**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	2.2500e-003	0.0228	0.0271	4.0000e-005		1.3400e-003	1.3400e-003		1.2300e-003	1.2300e-003	0.0000	3.2757	3.2757	1.0600e-003	0.0000	3.3022
<b>Total</b>	<b>2.2500e-003</b>	<b>0.0228</b>	<b>0.0271</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.3400e-003</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>1.2300e-003</b>	<b>1.2300e-003</b>	<b>0.0000</b>	<b>3.2757</b>	<b>3.2757</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>3.3022</b>

**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	6.0000e-004	0.0189	5.5200e-003	4.0000e-005	9.0000e-004	5.0000e-005	9.5000e-004	2.6000e-004	5.0000e-005	3.1000e-004	0.0000	3.7865	3.7865	2.2000e-004	0.0000	3.7920
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.0900e-003</b>	<b>0.0193</b>	<b>9.2600e-003</b>	<b>5.0000e-005</b>	<b>2.0600e-003</b>	<b>6.0000e-005</b>	<b>2.1100e-003</b>	<b>5.7000e-004</b>	<b>6.0000e-005</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>4.7200</b>	<b>4.7200</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>4.7263</b>

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**3.3 230kv Sub Access Road - 2021**

**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	2.2500e-003	0.0228	0.0271	4.0000e-005		1.3400e-003	1.3400e-003		1.2300e-003	1.2300e-003	0.0000	3.2757	3.2757	1.0600e-003	0.0000	3.3021
<b>Total</b>	<b>2.2500e-003</b>	<b>0.0228</b>	<b>0.0271</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.3400e-003</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>1.2300e-003</b>	<b>1.2300e-003</b>	<b>0.0000</b>	<b>3.2757</b>	<b>3.2757</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>3.3021</b>

**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	6.0000e-004	0.0189	5.5200e-003	4.0000e-005	9.0000e-004	5.0000e-005	9.5000e-004	2.6000e-004	5.0000e-005	3.1000e-004	0.0000	3.7865	3.7865	2.2000e-004	0.0000	3.7920
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.0900e-003</b>	<b>0.0193</b>	<b>9.2600e-003</b>	<b>5.0000e-005</b>	<b>2.0600e-003</b>	<b>6.0000e-005</b>	<b>2.1100e-003</b>	<b>5.7000e-004</b>	<b>6.0000e-005</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>4.7200</b>	<b>4.7200</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>4.7263</b>

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**3.4 230kV Transmission Site Work Prep - 2021**

**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					6.3600e-003	0.0000	6.3600e-003	6.9000e-004	0.0000	6.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7600e-003	0.0704	0.0363	9.0000e-005		2.7000e-003	2.7000e-003		2.4800e-003	2.4800e-003	0.0000	7.6959	7.6959	2.4900e-003	0.0000	7.7581
<b>Total</b>	<b>5.7600e-003</b>	<b>0.0704</b>	<b>0.0363</b>	<b>9.0000e-005</b>	<b>6.3600e-003</b>	<b>2.7000e-003</b>	<b>9.0600e-003</b>	<b>6.9000e-004</b>	<b>2.4800e-003</b>	<b>3.1700e-003</b>	<b>0.0000</b>	<b>7.6959</b>	<b>7.6959</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>7.7581</b>

**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	0.0126	3.6800e-003	3.0000e-005	6.0000e-004	4.0000e-005	6.4000e-004	1.7000e-004	3.0000e-005	2.1000e-004	0.0000	2.5243	2.5243	1.5000e-004	0.0000	2.5280
Worker	7.8000e-004	6.8000e-004	5.9900e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4937	1.4937	5.0000e-005	0.0000	1.4948
<b>Total</b>	<b>1.1800e-003</b>	<b>0.0132</b>	<b>9.6700e-003</b>	<b>5.0000e-005</b>	<b>2.4500e-003</b>	<b>5.0000e-005</b>	<b>2.5000e-003</b>	<b>6.6000e-004</b>	<b>4.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>4.0180</b>	<b>4.0180</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>4.0228</b>



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**3.4 230kV Transmission Site Work Prep - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8600e-003	0.0000	2.8600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7600e-003	0.0704	0.0363	9.0000e-005		2.7000e-003	2.7000e-003		2.4800e-003	2.4800e-003	0.0000	7.6959	7.6959	2.4900e-003	0.0000	7.7581
<b>Total</b>	<b>5.7600e-003</b>	<b>0.0704</b>	<b>0.0363</b>	<b>9.0000e-005</b>	<b>2.8600e-003</b>	<b>2.7000e-003</b>	<b>5.5600e-003</b>	<b>3.1000e-004</b>	<b>2.4800e-003</b>	<b>2.7900e-003</b>	<b>0.0000</b>	<b>7.6959</b>	<b>7.6959</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>7.7581</b>

**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	0.0126	3.6800e-003	3.0000e-005	6.0000e-004	4.0000e-005	6.4000e-004	1.7000e-004	3.0000e-005	2.1000e-004	0.0000	2.5243	2.5243	1.5000e-004	0.0000	2.5280
Worker	7.8000e-004	6.8000e-004	5.9900e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4937	1.4937	5.0000e-005	0.0000	1.4948
<b>Total</b>	<b>1.1800e-003</b>	<b>0.0132</b>	<b>9.6700e-003</b>	<b>5.0000e-005</b>	<b>2.4500e-003</b>	<b>5.0000e-005</b>	<b>2.5000e-003</b>	<b>6.6000e-004</b>	<b>4.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>4.0180</b>	<b>4.0180</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>4.0228</b>

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**3.5 230kV Sub Site Work Area - 2021**

**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					0.0550	0.0000	0.0550	0.0299	0.0000	0.0299	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0542	0.5369	0.3317	9.4000e-004		0.0220	0.0220		0.0203	0.0203	0.0000	82.7786	82.7786	0.0268	0.0000	83.4479
<b>Total</b>	<b>0.0542</b>	<b>0.5369</b>	<b>0.3317</b>	<b>9.4000e-004</b>	<b>0.0550</b>	<b>0.0220</b>	<b>0.0771</b>	<b>0.0299</b>	<b>0.0203</b>	<b>0.0502</b>	<b>0.0000</b>	<b>82.7786</b>	<b>82.7786</b>	<b>0.0268</b>	<b>0.0000</b>	<b>83.4479</b>

**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	3.0600e-003	0.1112	0.0251	2.9000e-004	6.4500e-003	4.6000e-004	6.9100e-003	1.7700e-003	4.4000e-004	2.2200e-003	0.0000	28.7509	28.7509	1.6700e-003	0.0000	28.7927
Vendor	3.0000e-004	9.4200e-003	2.7600e-003	2.0000e-005	4.5000e-004	3.0000e-005	4.8000e-004	1.3000e-004	3.0000e-005	1.6000e-004	0.0000	1.8932	1.8932	1.1000e-004	0.0000	1.8960
Worker	7.3000e-004	6.4000e-004	5.6100e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4003	1.4003	4.0000e-005	0.0000	1.4014
<b>Total</b>	<b>4.0900e-003</b>	<b>0.1213</b>	<b>0.0335</b>	<b>3.3000e-004</b>	<b>8.6300e-003</b>	<b>5.0000e-004</b>	<b>9.1300e-003</b>	<b>2.3600e-003</b>	<b>4.8000e-004</b>	<b>2.8500e-003</b>	<b>0.0000</b>	<b>32.0445</b>	<b>32.0445</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>32.0901</b>

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**3.5 230kV Sub Site Work Area - 2021**

**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					0.0248	0.0000	0.0248	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0542	0.5369	0.3317	9.4000e-004		0.0220	0.0220		0.0203	0.0203	0.0000	82.7785	82.7785	0.0268	0.0000	83.4478
<b>Total</b>	<b>0.0542</b>	<b>0.5369</b>	<b>0.3317</b>	<b>9.4000e-004</b>	<b>0.0248</b>	<b>0.0220</b>	<b>0.0468</b>	<b>0.0135</b>	<b>0.0203</b>	<b>0.0337</b>	<b>0.0000</b>	<b>82.7785</b>	<b>82.7785</b>	<b>0.0268</b>	<b>0.0000</b>	<b>83.4478</b>

**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	3.0600e-003	0.1112	0.0251	2.9000e-004	6.4500e-003	4.6000e-004	6.9100e-003	1.7700e-003	4.4000e-004	2.2200e-003	0.0000	28.7509	28.7509	1.6700e-003	0.0000	28.7927
Vendor	3.0000e-004	9.4200e-003	2.7600e-003	2.0000e-005	4.5000e-004	3.0000e-005	4.8000e-004	1.3000e-004	3.0000e-005	1.6000e-004	0.0000	1.8932	1.8932	1.1000e-004	0.0000	1.8960
Worker	7.3000e-004	6.4000e-004	5.6100e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4003	1.4003	4.0000e-005	0.0000	1.4014
<b>Total</b>	<b>4.0900e-003</b>	<b>0.1213</b>	<b>0.0335</b>	<b>3.3000e-004</b>	<b>8.6300e-003</b>	<b>5.0000e-004</b>	<b>9.1300e-003</b>	<b>2.3600e-003</b>	<b>4.8000e-004</b>	<b>2.8500e-003</b>	<b>0.0000</b>	<b>32.0445</b>	<b>32.0445</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>32.0901</b>

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**3.6 70kV Substation Site Work Area Prep Mobil - 2021**

**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					3.7400e-003	0.0000	3.7400e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0235	0.0121	3.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	2.5653	2.5653	8.3000e-004	0.0000	2.5860
<b>Total</b>	<b>1.9200e-003</b>	<b>0.0235</b>	<b>0.0121</b>	<b>3.0000e-005</b>	<b>3.7400e-003</b>	<b>9.0000e-004</b>	<b>4.6400e-003</b>	<b>4.3000e-004</b>	<b>8.3000e-004</b>	<b>1.2600e-003</b>	<b>0.0000</b>	<b>2.5653</b>	<b>2.5653</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>2.5860</b>

**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	3.0600e-003	0.1112	0.0251	2.9000e-004	6.4500e-003	4.6000e-004	6.9100e-003	1.7700e-003	4.4000e-004	2.2200e-003	0.0000	28.7509	28.7509	1.6700e-003	0.0000	28.7927
Vendor	1.1000e-004	3.4300e-003	1.0000e-003	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6885	0.6885	4.0000e-005	0.0000	0.6895
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.4600e-003</b>	<b>0.1149</b>	<b>0.0284</b>	<b>3.1000e-004</b>	<b>7.3000e-003</b>	<b>4.7000e-004</b>	<b>7.7800e-003</b>	<b>2.0000e-003</b>	<b>4.5000e-004</b>	<b>2.4700e-003</b>	<b>0.0000</b>	<b>29.9995</b>	<b>29.9995</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>30.0427</b>

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**3.6 70kV Substation Site Work Area Prep Mobil - 2021**

**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					1.6800e-003	0.0000	1.6800e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0235	0.0121	3.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	2.5653	2.5653	8.3000e-004	0.0000	2.5860
<b>Total</b>	<b>1.9200e-003</b>	<b>0.0235</b>	<b>0.0121</b>	<b>3.0000e-005</b>	<b>1.6800e-003</b>	<b>9.0000e-004</b>	<b>2.5800e-003</b>	<b>1.9000e-004</b>	<b>8.3000e-004</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>2.5653</b>	<b>2.5653</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>2.5860</b>

**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	3.0600e-003	0.1112	0.0251	2.9000e-004	6.4500e-003	4.6000e-004	6.9100e-003	1.7700e-003	4.4000e-004	2.2200e-003	0.0000	28.7509	28.7509	1.6700e-003	0.0000	28.7927
Vendor	1.1000e-004	3.4300e-003	1.0000e-003	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6885	0.6885	4.0000e-005	0.0000	0.6895
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.4600e-003</b>	<b>0.1149</b>	<b>0.0284</b>	<b>3.1000e-004</b>	<b>7.3000e-003</b>	<b>4.7000e-004</b>	<b>7.7800e-003</b>	<b>2.0000e-003</b>	<b>4.5000e-004</b>	<b>2.4700e-003</b>	<b>0.0000</b>	<b>29.9995</b>	<b>29.9995</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>30.0427</b>

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**3.7 230kV Sub Fence Gate Install - 2021**

**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	2.3000e-004	3.0100e-003	4.1700e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.1000e-004	1.1000e-004	0.0000	0.5449	0.5449	1.8000e-004	0.0000	0.5493
<b>Total</b>	<b>2.3000e-004</b>	<b>3.0100e-003</b>	<b>4.1700e-003</b>	<b>1.0000e-005</b>		<b>1.2000e-004</b>	<b>1.2000e-004</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.5449</b>	<b>0.5449</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.5493</b>

**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	5.5000e-004	0.0171	5.0200e-003	4.0000e-005	8.2000e-004	5.0000e-005	8.7000e-004	2.4000e-004	5.0000e-005	2.8000e-004	0.0000	3.4422	3.4422	2.0000e-004	0.0000	3.4473
Worker	2.4000e-004	2.1000e-004	1.8700e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4668	0.4668	1.0000e-005	0.0000	0.4671
<b>Total</b>	<b>7.9000e-004</b>	<b>0.0173</b>	<b>6.8900e-003</b>	<b>5.0000e-005</b>	<b>1.4000e-003</b>	<b>5.0000e-005</b>	<b>1.4500e-003</b>	<b>3.9000e-004</b>	<b>5.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>3.9090</b>	<b>3.9090</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>3.9144</b>

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**3.7 230kV Sub Fence Gate Install - 2021**

**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	2.3000e-004	3.0100e-003	4.1700e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.1000e-004	1.1000e-004	0.0000	0.5449	0.5449	1.8000e-004	0.0000	0.5493
<b>Total</b>	<b>2.3000e-004</b>	<b>3.0100e-003</b>	<b>4.1700e-003</b>	<b>1.0000e-005</b>		<b>1.2000e-004</b>	<b>1.2000e-004</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.5449</b>	<b>0.5449</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.5493</b>

**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	5.5000e-004	0.0171	5.0200e-003	4.0000e-005	8.2000e-004	5.0000e-005	8.7000e-004	2.4000e-004	5.0000e-005	2.8000e-004	0.0000	3.4422	3.4422	2.0000e-004	0.0000	3.4473
Worker	2.4000e-004	2.1000e-004	1.8700e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4668	0.4668	1.0000e-005	0.0000	0.4671
<b>Total</b>	<b>7.9000e-004</b>	<b>0.0173</b>	<b>6.8900e-003</b>	<b>5.0000e-005</b>	<b>1.4000e-003</b>	<b>5.0000e-005</b>	<b>1.4500e-003</b>	<b>3.9000e-004</b>	<b>5.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>3.9090</b>	<b>3.9090</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>3.9144</b>

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**3.8 Reconductoring Pole Install - 2021**

**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	0.1391	1.4662	0.7755	2.6800e-003		0.0560	0.0560		0.0515	0.0515	0.0000	235.7435	235.7435	0.0762	0.0000	237.6496
<b>Total</b>	<b>0.1391</b>	<b>1.4662</b>	<b>0.7755</b>	<b>2.6800e-003</b>		<b>0.0560</b>	<b>0.0560</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>235.7435</b>	<b>235.7435</b>	<b>0.0762</b>	<b>0.0000</b>	<b>237.6496</b>

**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	2.8500e-003	0.0891	0.0261	1.9000e-004	4.2500e-003	2.5000e-004	4.5100e-003	1.2300e-003	2.4000e-004	1.4700e-003	0.0000	17.8996	17.8996	1.0600e-003	0.0000	17.9260
Worker	0.0117	0.0102	0.0898	2.5000e-004	0.0277	1.8000e-004	0.0279	7.3700e-003	1.6000e-004	7.5300e-003	0.0000	22.4052	22.4052	6.8000e-004	0.0000	22.4222
<b>Total</b>	<b>0.0146</b>	<b>0.0993</b>	<b>0.1159</b>	<b>4.4000e-004</b>	<b>0.0320</b>	<b>4.3000e-004</b>	<b>0.0324</b>	<b>8.6000e-003</b>	<b>4.0000e-004</b>	<b>9.0000e-003</b>	<b>0.0000</b>	<b>40.3048</b>	<b>40.3048</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>40.3482</b>



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**3.8 Reconductoring Pole Install - 2021**

**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	0.1391	1.4662	0.7755	2.6800e-003		0.0560	0.0560		0.0515	0.0515	0.0000	235.7433	235.7433	0.0762	0.0000	237.6494
<b>Total</b>	<b>0.1391</b>	<b>1.4662</b>	<b>0.7755</b>	<b>2.6800e-003</b>		<b>0.0560</b>	<b>0.0560</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>235.7433</b>	<b>235.7433</b>	<b>0.0762</b>	<b>0.0000</b>	<b>237.6494</b>

**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	2.8500e-003	0.0891	0.0261	1.9000e-004	4.2500e-003	2.5000e-004	4.5100e-003	1.2300e-003	2.4000e-004	1.4700e-003	0.0000	17.8996	17.8996	1.0600e-003	0.0000	17.9260
Worker	0.0117	0.0102	0.0898	2.5000e-004	0.0277	1.8000e-004	0.0279	7.3700e-003	1.6000e-004	7.5300e-003	0.0000	22.4052	22.4052	6.8000e-004	0.0000	22.4222
<b>Total</b>	<b>0.0146</b>	<b>0.0993</b>	<b>0.1159</b>	<b>4.4000e-004</b>	<b>0.0320</b>	<b>4.3000e-004</b>	<b>0.0324</b>	<b>8.6000e-003</b>	<b>4.0000e-004</b>	<b>9.0000e-003</b>	<b>0.0000</b>	<b>40.3048</b>	<b>40.3048</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>40.3482</b>

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**3.9 230kV Transmission Foundation Tower - 2021**

**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	0.0460	0.4635	0.2634	8.3000e-004		0.0189	0.0189		0.0174	0.0174	0.0000	72.6630	72.6630	0.0235	0.0000	73.2505
<b>Total</b>	<b>0.0460</b>	<b>0.4635</b>	<b>0.2634</b>	<b>8.3000e-004</b>		<b>0.0189</b>	<b>0.0189</b>		<b>0.0174</b>	<b>0.0174</b>	<b>0.0000</b>	<b>72.6630</b>	<b>72.6630</b>	<b>0.0235</b>	<b>0.0000</b>	<b>73.2505</b>

**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	8.8000e-004	0.0274	8.0300e-003	6.0000e-005	1.3100e-003	8.0000e-005	1.3900e-003	3.8000e-004	7.0000e-005	4.5000e-004	0.0000	5.5076	5.5076	3.2000e-004	0.0000	5.5157
Worker	1.9600e-003	1.7100e-003	0.0150	4.0000e-005	4.6200e-003	3.0000e-005	4.6500e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.7342	3.7342	1.1000e-004	0.0000	3.7370
<b>Total</b>	<b>2.8400e-003</b>	<b>0.0291</b>	<b>0.0230</b>	<b>1.0000e-004</b>	<b>5.9300e-003</b>	<b>1.1000e-004</b>	<b>6.0400e-003</b>	<b>1.6100e-003</b>	<b>1.0000e-004</b>	<b>1.7100e-003</b>	<b>0.0000</b>	<b>9.2418</b>	<b>9.2418</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>9.2527</b>

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**3.9 230kV Transmission Foundation Tower - 2021**

**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	0.0460	0.4635	0.2634	8.3000e-004		0.0189	0.0189		0.0174	0.0174	0.0000	72.6629	72.6629	0.0235	0.0000	73.2504
<b>Total</b>	<b>0.0460</b>	<b>0.4635</b>	<b>0.2634</b>	<b>8.3000e-004</b>		<b>0.0189</b>	<b>0.0189</b>		<b>0.0174</b>	<b>0.0174</b>	<b>0.0000</b>	<b>72.6629</b>	<b>72.6629</b>	<b>0.0235</b>	<b>0.0000</b>	<b>73.2504</b>

**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	8.8000e-004	0.0274	8.0300e-003	6.0000e-005	1.3100e-003	8.0000e-005	1.3900e-003	3.8000e-004	7.0000e-005	4.5000e-004	0.0000	5.5076	5.5076	3.2000e-004	0.0000	5.5157
Worker	1.9600e-003	1.7100e-003	0.0150	4.0000e-005	4.6200e-003	3.0000e-005	4.6500e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.7342	3.7342	1.1000e-004	0.0000	3.7370
<b>Total</b>	<b>2.8400e-003</b>	<b>0.0291</b>	<b>0.0230</b>	<b>1.0000e-004</b>	<b>5.9300e-003</b>	<b>1.1000e-004</b>	<b>6.0400e-003</b>	<b>1.6100e-003</b>	<b>1.0000e-004</b>	<b>1.7100e-003</b>	<b>0.0000</b>	<b>9.2418</b>	<b>9.2418</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>9.2527</b>

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**3.10 70kV Substation Foundation Construction - 2021**

**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	9.9300e-003	0.1012	0.0833	1.9000e-004		5.5000e-003	5.5000e-003		5.0600e-003	5.0600e-003	0.0000	16.7635	16.7635	5.4200e-003	0.0000	16.8991
<b>Total</b>	<b>9.9300e-003</b>	<b>0.1012</b>	<b>0.0833</b>	<b>1.9000e-004</b>		<b>5.5000e-003</b>	<b>5.5000e-003</b>		<b>5.0600e-003</b>	<b>5.0600e-003</b>	<b>0.0000</b>	<b>16.7635</b>	<b>16.7635</b>	<b>5.4200e-003</b>	<b>0.0000</b>	<b>16.8991</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	0.0149	4.3500e-003	3.0000e-005	7.1000e-004	4.0000e-005	7.5000e-004	2.0000e-004	4.0000e-005	2.5000e-004	0.0000	2.9833	2.9833	1.8000e-004	0.0000	2.9877
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>1.0700e-003</b>	<b>0.0154</b>	<b>8.8400e-003</b>	<b>4.0000e-005</b>	<b>2.1000e-003</b>	<b>5.0000e-005</b>	<b>2.1500e-003</b>	<b>5.7000e-004</b>	<b>5.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>4.1035</b>	<b>4.1035</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.1088</b>

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**3.10 70kV Substation Foundation Construction - 2021**

**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	9.9300e-003	0.1012	0.0833	1.9000e-004		5.5000e-003	5.5000e-003		5.0600e-003	5.0600e-003	0.0000	16.7635	16.7635	5.4200e-003	0.0000	16.8990
<b>Total</b>	<b>9.9300e-003</b>	<b>0.1012</b>	<b>0.0833</b>	<b>1.9000e-004</b>		<b>5.5000e-003</b>	<b>5.5000e-003</b>		<b>5.0600e-003</b>	<b>5.0600e-003</b>	<b>0.0000</b>	<b>16.7635</b>	<b>16.7635</b>	<b>5.4200e-003</b>	<b>0.0000</b>	<b>16.8990</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	0.0149	4.3500e-003	3.0000e-005	7.1000e-004	4.0000e-005	7.5000e-004	2.0000e-004	4.0000e-005	2.5000e-004	0.0000	2.9833	2.9833	1.8000e-004	0.0000	2.9877
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>1.0700e-003</b>	<b>0.0154</b>	<b>8.8400e-003</b>	<b>4.0000e-005</b>	<b>2.1000e-003</b>	<b>5.0000e-005</b>	<b>2.1500e-003</b>	<b>5.7000e-004</b>	<b>5.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>4.1035</b>	<b>4.1035</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.1088</b>

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**3.11 70kV Substation Ground Grid - 2021**

**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	5.1300e-003	0.0487	0.0438	6.0000e-005		3.3000e-003	3.3000e-003		3.0400e-003	3.0400e-003	0.0000	5.1260	5.1260	1.6600e-003	0.0000	5.1674
<b>Total</b>	<b>5.1300e-003</b>	<b>0.0487</b>	<b>0.0438</b>	<b>6.0000e-005</b>		<b>3.3000e-003</b>	<b>3.3000e-003</b>		<b>3.0400e-003</b>	<b>3.0400e-003</b>	<b>0.0000</b>	<b>5.1260</b>	<b>5.1260</b>	<b>1.6600e-003</b>	<b>0.0000</b>	<b>5.1674</b>

**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	3.3000e-004	0.0103	3.0100e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.2000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.0653	2.0653	1.2000e-004	0.0000	2.0684
Worker	3.9000e-004	3.4000e-004	2.9900e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.5000e-004	1.0000e-005	2.5000e-004	0.0000	0.7468	0.7468	2.0000e-005	0.0000	0.7474
<b>Total</b>	<b>7.2000e-004</b>	<b>0.0106</b>	<b>6.0000e-003</b>	<b>3.0000e-005</b>	<b>1.4100e-003</b>	<b>4.0000e-005</b>	<b>1.4500e-003</b>	<b>3.9000e-004</b>	<b>4.0000e-005</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>2.8122</b>	<b>2.8122</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>2.8158</b>

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**3.11 70kV Substation Ground Grid - 2021**

**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	5.1300e-003	0.0487	0.0438	6.0000e-005		3.3000e-003	3.3000e-003		3.0400e-003	3.0400e-003	0.0000	5.1260	5.1260	1.6600e-003	0.0000	5.1674
<b>Total</b>	<b>5.1300e-003</b>	<b>0.0487</b>	<b>0.0438</b>	<b>6.0000e-005</b>		<b>3.3000e-003</b>	<b>3.3000e-003</b>		<b>3.0400e-003</b>	<b>3.0400e-003</b>	<b>0.0000</b>	<b>5.1260</b>	<b>5.1260</b>	<b>1.6600e-003</b>	<b>0.0000</b>	<b>5.1674</b>

**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	3.3000e-004	0.0103	3.0100e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.2000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.0653	2.0653	1.2000e-004	0.0000	2.0684
Worker	3.9000e-004	3.4000e-004	2.9900e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.5000e-004	1.0000e-005	2.5000e-004	0.0000	0.7468	0.7468	2.0000e-005	0.0000	0.7474
<b>Total</b>	<b>7.2000e-004</b>	<b>0.0106</b>	<b>6.0000e-003</b>	<b>3.0000e-005</b>	<b>1.4100e-003</b>	<b>4.0000e-005</b>	<b>1.4500e-003</b>	<b>3.9000e-004</b>	<b>4.0000e-005</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>2.8122</b>	<b>2.8122</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>2.8158</b>

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**3.12 230kV Sub Foundation Construction - 2021**

**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	0.0114	0.1303	0.0851	2.7000e-004		5.1200e-003	5.1200e-003		4.7100e-003	4.7100e-003	0.0000	23.6667	23.6667	7.6500e-003	0.0000	23.8581
<b>Total</b>	<b>0.0114</b>	<b>0.1303</b>	<b>0.0851</b>	<b>2.7000e-004</b>		<b>5.1200e-003</b>	<b>5.1200e-003</b>		<b>4.7100e-003</b>	<b>4.7100e-003</b>	<b>0.0000</b>	<b>23.6667</b>	<b>23.6667</b>	<b>7.6500e-003</b>	<b>0.0000</b>	<b>23.8581</b>

**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	0.0531	0.0156	1.1000e-004	2.5400e-003	1.5000e-004	2.6900e-003	7.3000e-004	1.5000e-004	8.8000e-004	0.0000	10.6709	10.6709	6.3000e-004	0.0000	10.6867
Worker	1.7600e-003	1.5300e-003	0.0135	4.0000e-005	4.1600e-003	3.0000e-005	4.1900e-003	1.1100e-003	2.0000e-005	1.1300e-003	0.0000	3.3608	3.3608	1.0000e-004	0.0000	3.3633
<b>Total</b>	<b>3.4600e-003</b>	<b>0.0547</b>	<b>0.0290</b>	<b>1.5000e-004</b>	<b>6.7000e-003</b>	<b>1.8000e-004</b>	<b>6.8800e-003</b>	<b>1.8400e-003</b>	<b>1.7000e-004</b>	<b>2.0100e-003</b>	<b>0.0000</b>	<b>14.0317</b>	<b>14.0317</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>14.0500</b>



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**3.12 230kV Sub Foundation Construction - 2021**

**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	0.0114	0.1303	0.0851	2.7000e-004		5.1200e-003	5.1200e-003		4.7100e-003	4.7100e-003	0.0000	23.6667	23.6667	7.6500e-003	0.0000	23.8580
<b>Total</b>	<b>0.0114</b>	<b>0.1303</b>	<b>0.0851</b>	<b>2.7000e-004</b>		<b>5.1200e-003</b>	<b>5.1200e-003</b>		<b>4.7100e-003</b>	<b>4.7100e-003</b>	<b>0.0000</b>	<b>23.6667</b>	<b>23.6667</b>	<b>7.6500e-003</b>	<b>0.0000</b>	<b>23.8580</b>

**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	0.0531	0.0156	1.1000e-004	2.5400e-003	1.5000e-004	2.6900e-003	7.3000e-004	1.5000e-004	8.8000e-004	0.0000	10.6709	10.6709	6.3000e-004	0.0000	10.6867
Worker	1.7600e-003	1.5300e-003	0.0135	4.0000e-005	4.1600e-003	3.0000e-005	4.1900e-003	1.1100e-003	2.0000e-005	1.1300e-003	0.0000	3.3608	3.3608	1.0000e-004	0.0000	3.3633
<b>Total</b>	<b>3.4600e-003</b>	<b>0.0547</b>	<b>0.0290</b>	<b>1.5000e-004</b>	<b>6.7000e-003</b>	<b>1.8000e-004</b>	<b>6.8800e-003</b>	<b>1.8400e-003</b>	<b>1.7000e-004</b>	<b>2.0100e-003</b>	<b>0.0000</b>	<b>14.0317</b>	<b>14.0317</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>14.0500</b>

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**3.13 Reconductoring Conductor Install - 2021**

**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	0.2443	2.2851	1.4691	4.7200e-003		0.0927	0.0927		0.0853	0.0853	0.0000	414.6560	414.6560	0.1341	0.0000	418.0087
<b>Total</b>	<b>0.2443</b>	<b>2.2851</b>	<b>1.4691</b>	<b>4.7200e-003</b>		<b>0.0927</b>	<b>0.0927</b>		<b>0.0853</b>	<b>0.0853</b>	<b>0.0000</b>	<b>414.6560</b>	<b>414.6560</b>	<b>0.1341</b>	<b>0.0000</b>	<b>418.0087</b>

**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	1.8300e-003	0.0571	0.0167	1.2000e-004	2.7300e-003	1.6000e-004	2.8900e-003	7.9000e-004	1.6000e-004	9.4000e-004	0.0000	11.4741	11.4741	6.8000e-004	0.0000	11.4910
Worker	7.3400e-003	6.3900e-003	0.0561	1.5000e-004	0.0173	1.1000e-004	0.0174	4.6100e-003	1.0000e-004	4.7100e-003	0.0000	14.0033	14.0033	4.2000e-004	0.0000	14.0139
<b>Total</b>	<b>9.1700e-003</b>	<b>0.0635</b>	<b>0.0729</b>	<b>2.7000e-004</b>	<b>0.0201</b>	<b>2.7000e-004</b>	<b>0.0203</b>	<b>5.4000e-003</b>	<b>2.6000e-004</b>	<b>5.6500e-003</b>	<b>0.0000</b>	<b>25.4774</b>	<b>25.4774</b>	<b>1.1000e-003</b>	<b>0.0000</b>	<b>25.5049</b>

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**3.13 Reconductoring Conductor Install - 2021**

**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	0.2443	2.2851	1.4691	4.7200e-003		0.0927	0.0927		0.0853	0.0853	0.0000	414.6555	414.6555	0.1341	0.0000	418.0082
<b>Total</b>	<b>0.2443</b>	<b>2.2851</b>	<b>1.4691</b>	<b>4.7200e-003</b>		<b>0.0927</b>	<b>0.0927</b>		<b>0.0853</b>	<b>0.0853</b>	<b>0.0000</b>	<b>414.6555</b>	<b>414.6555</b>	<b>0.1341</b>	<b>0.0000</b>	<b>418.0082</b>

**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	1.8300e-003	0.0571	0.0167	1.2000e-004	2.7300e-003	1.6000e-004	2.8900e-003	7.9000e-004	1.6000e-004	9.4000e-004	0.0000	11.4741	11.4741	6.8000e-004	0.0000	11.4910
Worker	7.3400e-003	6.3900e-003	0.0561	1.5000e-004	0.0173	1.1000e-004	0.0174	4.6100e-003	1.0000e-004	4.7100e-003	0.0000	14.0033	14.0033	4.2000e-004	0.0000	14.0139
<b>Total</b>	<b>9.1700e-003</b>	<b>0.0635</b>	<b>0.0729</b>	<b>2.7000e-004</b>	<b>0.0201</b>	<b>2.7000e-004</b>	<b>0.0203</b>	<b>5.4000e-003</b>	<b>2.6000e-004</b>	<b>5.6500e-003</b>	<b>0.0000</b>	<b>25.4774</b>	<b>25.4774</b>	<b>1.1000e-003</b>	<b>0.0000</b>	<b>25.5049</b>

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**3.14 70kV Sub Steel Bus Erection - 2021**

**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	0.0118	0.1092	0.0911	2.8000e-004		3.7500e-003	3.7500e-003		3.4500e-003	3.4500e-003	0.0000	24.4181	24.4181	7.9000e-003	0.0000	24.6155
<b>Total</b>	<b>0.0118</b>	<b>0.1092</b>	<b>0.0911</b>	<b>2.8000e-004</b>		<b>3.7500e-003</b>	<b>3.7500e-003</b>		<b>3.4500e-003</b>	<b>3.4500e-003</b>	<b>0.0000</b>	<b>24.4181</b>	<b>24.4181</b>	<b>7.9000e-003</b>	<b>0.0000</b>	<b>24.6155</b>

**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	3.3000e-004	0.0103	3.0100e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.2000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.0653	2.0653	1.2000e-004	0.0000	2.0684
Worker	7.8000e-004	6.8000e-004	5.9900e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4937	1.4937	5.0000e-005	0.0000	1.4948
<b>Total</b>	<b>1.1100e-003</b>	<b>0.0110</b>	<b>9.0000e-003</b>	<b>4.0000e-005</b>	<b>2.3400e-003</b>	<b>4.0000e-005</b>	<b>2.3800e-003</b>	<b>6.3000e-004</b>	<b>4.0000e-005</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>3.5590</b>	<b>3.5590</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.5632</b>

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**3.14 70kV Sub Steel Bus Erection - 2021**

**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	0.0118	0.1092	0.0911	2.8000e-004		3.7500e-003	3.7500e-003		3.4500e-003	3.4500e-003	0.0000	24.4180	24.4180	7.9000e-003	0.0000	24.6155
<b>Total</b>	<b>0.0118</b>	<b>0.1092</b>	<b>0.0911</b>	<b>2.8000e-004</b>		<b>3.7500e-003</b>	<b>3.7500e-003</b>		<b>3.4500e-003</b>	<b>3.4500e-003</b>	<b>0.0000</b>	<b>24.4180</b>	<b>24.4180</b>	<b>7.9000e-003</b>	<b>0.0000</b>	<b>24.6155</b>

**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	3.3000e-004	0.0103	3.0100e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.2000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.0653	2.0653	1.2000e-004	0.0000	2.0684
Worker	7.8000e-004	6.8000e-004	5.9900e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4937	1.4937	5.0000e-005	0.0000	1.4948
<b>Total</b>	<b>1.1100e-003</b>	<b>0.0110</b>	<b>9.0000e-003</b>	<b>4.0000e-005</b>	<b>2.3400e-003</b>	<b>4.0000e-005</b>	<b>2.3800e-003</b>	<b>6.3000e-004</b>	<b>4.0000e-005</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>3.5590</b>	<b>3.5590</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.5632</b>

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**3.15 230kV Sub Ground Grid - 2021**

**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	4.5900e-003	0.0421	0.0313	4.0000e-005		3.0600e-003	3.0600e-003		2.8200e-003	2.8200e-003	0.0000	3.5590	3.5590	1.1500e-003	0.0000	3.5877
<b>Total</b>	<b>4.5900e-003</b>	<b>0.0421</b>	<b>0.0313</b>	<b>4.0000e-005</b>		<b>3.0600e-003</b>	<b>3.0600e-003</b>		<b>2.8200e-003</b>	<b>2.8200e-003</b>	<b>0.0000</b>	<b>3.5590</b>	<b>3.5590</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>3.5877</b>

**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	1.0600e-003	0.0331	9.7100e-003	7.0000e-005	1.5800e-003	9.0000e-005	1.6800e-003	4.6000e-004	9.0000e-005	5.5000e-004	0.0000	6.6550	6.6550	3.9000e-004	0.0000	6.6648
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5500e-003</b>	<b>0.0336</b>	<b>0.0135</b>	<b>8.0000e-005</b>	<b>2.7400e-003</b>	<b>1.0000e-004</b>	<b>2.8400e-003</b>	<b>7.7000e-004</b>	<b>1.0000e-004</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>7.5885</b>	<b>7.5885</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>7.5991</b>

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**3.15 230kV Sub Ground Grid - 2021**

**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	4.5900e-003	0.0421	0.0313	4.0000e-005		3.0600e-003	3.0600e-003		2.8200e-003	2.8200e-003	0.0000	3.5590	3.5590	1.1500e-003	0.0000	3.5877
<b>Total</b>	<b>4.5900e-003</b>	<b>0.0421</b>	<b>0.0313</b>	<b>4.0000e-005</b>		<b>3.0600e-003</b>	<b>3.0600e-003</b>		<b>2.8200e-003</b>	<b>2.8200e-003</b>	<b>0.0000</b>	<b>3.5590</b>	<b>3.5590</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>3.5877</b>

**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	1.0600e-003	0.0331	9.7100e-003	7.0000e-005	1.5800e-003	9.0000e-005	1.6800e-003	4.6000e-004	9.0000e-005	5.5000e-004	0.0000	6.6550	6.6550	3.9000e-004	0.0000	6.6648
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5500e-003</b>	<b>0.0336</b>	<b>0.0135</b>	<b>8.0000e-005</b>	<b>2.7400e-003</b>	<b>1.0000e-004</b>	<b>2.8400e-003</b>	<b>7.7000e-004</b>	<b>1.0000e-004</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>7.5885</b>	<b>7.5885</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>7.5991</b>

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**3.16 230kV Transmission Conductor - 2021**

**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	0.0257	0.2573	0.1400	4.7000e-004		9.9500e-003	9.9500e-003		9.1500e-003	9.1500e-003	0.0000	41.5223	41.5223	0.0134	0.0000	41.8580
<b>Total</b>	<b>0.0257</b>	<b>0.2573</b>	<b>0.1400</b>	<b>4.7000e-004</b>		<b>9.9500e-003</b>	<b>9.9500e-003</b>		<b>9.1500e-003</b>	<b>9.1500e-003</b>	<b>0.0000</b>	<b>41.5223</b>	<b>41.5223</b>	<b>0.0134</b>	<b>0.0000</b>	<b>41.8580</b>

**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	0.0126	3.6800e-003	3.0000e-005	6.0000e-004	4.0000e-005	6.4000e-004	1.7000e-004	3.0000e-005	2.1000e-004	0.0000	2.5243	2.5243	1.5000e-004	0.0000	2.5280
Worker	1.4700e-003	1.2800e-003	0.0112	3.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.8007	2.8007	8.0000e-005	0.0000	2.8028
<b>Total</b>	<b>1.8700e-003</b>	<b>0.0138</b>	<b>0.0149</b>	<b>6.0000e-005</b>	<b>4.0700e-003</b>	<b>6.0000e-005</b>	<b>4.1300e-003</b>	<b>1.0900e-003</b>	<b>5.0000e-005</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>5.3250</b>	<b>5.3250</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>5.3308</b>



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**3.16 230kV Transmission Conductor - 2021**

**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	0.0257	0.2573	0.1400	4.7000e-004		9.9500e-003	9.9500e-003		9.1500e-003	9.1500e-003	0.0000	41.5223	41.5223	0.0134	0.0000	41.8580
<b>Total</b>	<b>0.0257</b>	<b>0.2573</b>	<b>0.1400</b>	<b>4.7000e-004</b>		<b>9.9500e-003</b>	<b>9.9500e-003</b>		<b>9.1500e-003</b>	<b>9.1500e-003</b>	<b>0.0000</b>	<b>41.5223</b>	<b>41.5223</b>	<b>0.0134</b>	<b>0.0000</b>	<b>41.8580</b>

**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	0.0126	3.6800e-003	3.0000e-005	6.0000e-004	4.0000e-005	6.4000e-004	1.7000e-004	3.0000e-005	2.1000e-004	0.0000	2.5243	2.5243	1.5000e-004	0.0000	2.5280
Worker	1.4700e-003	1.2800e-003	0.0112	3.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.8007	2.8007	8.0000e-005	0.0000	2.8028
<b>Total</b>	<b>1.8700e-003</b>	<b>0.0138</b>	<b>0.0149</b>	<b>6.0000e-005</b>	<b>4.0700e-003</b>	<b>6.0000e-005</b>	<b>4.1300e-003</b>	<b>1.0900e-003</b>	<b>5.0000e-005</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>5.3250</b>	<b>5.3250</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>5.3308</b>

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**3.17 70 kV Substation Equip Delivery - 2021**

**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	3.9500e-003	0.0368	0.0313	9.0000e-005		1.2500e-003	1.2500e-003		1.1500e-003	1.1500e-003	0.0000	8.2434	8.2434	2.6700e-003	0.0000	8.3100
<b>Total</b>	<b>3.9500e-003</b>	<b>0.0368</b>	<b>0.0313</b>	<b>9.0000e-005</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>		<b>1.1500e-003</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>8.2434</b>	<b>8.2434</b>	<b>2.6700e-003</b>	<b>0.0000</b>	<b>8.3100</b>

**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	3.3000e-004	0.0103	3.0100e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.2000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.0653	2.0653	1.2000e-004	0.0000	2.0684
Worker	4.4000e-004	3.8000e-004	3.3700e-003	1.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	2.8000e-004	1.0000e-005	2.8000e-004	0.0000	0.8402	0.8402	3.0000e-005	0.0000	0.8408
<b>Total</b>	<b>7.7000e-004</b>	<b>0.0107</b>	<b>6.3800e-003</b>	<b>3.0000e-005</b>	<b>1.5300e-003</b>	<b>4.0000e-005</b>	<b>1.5700e-003</b>	<b>4.2000e-004</b>	<b>4.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>2.9055</b>	<b>2.9055</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.9092</b>

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**3.17 70 kV Substation Equip Delivery - 2021**

**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	3.9500e-003	0.0368	0.0313	9.0000e-005		1.2500e-003	1.2500e-003		1.1500e-003	1.1500e-003	0.0000	8.2434	8.2434	2.6700e-003	0.0000	8.3100
<b>Total</b>	<b>3.9500e-003</b>	<b>0.0368</b>	<b>0.0313</b>	<b>9.0000e-005</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>		<b>1.1500e-003</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>8.2434</b>	<b>8.2434</b>	<b>2.6700e-003</b>	<b>0.0000</b>	<b>8.3100</b>

**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	3.3000e-004	0.0103	3.0100e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.2000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.0653	2.0653	1.2000e-004	0.0000	2.0684
Worker	4.4000e-004	3.8000e-004	3.3700e-003	1.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	2.8000e-004	1.0000e-005	2.8000e-004	0.0000	0.8402	0.8402	3.0000e-005	0.0000	0.8408
<b>Total</b>	<b>7.7000e-004</b>	<b>0.0107</b>	<b>6.3800e-003</b>	<b>3.0000e-005</b>	<b>1.5300e-003</b>	<b>4.0000e-005</b>	<b>1.5700e-003</b>	<b>4.2000e-004</b>	<b>4.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>2.9055</b>	<b>2.9055</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.9092</b>

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**3.18 70kV Substation Control Enclosure - 2021**

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	5.7000e-004	1.7000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1147	0.1147	1.0000e-005	0.0000	0.1149
Worker	1.2000e-004	1.1000e-004	9.4000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2334	0.2334	1.0000e-005	0.0000	0.2336
<b>Total</b>	<b>1.4000e-004</b>	<b>6.8000e-004</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.3481</b>	<b>0.3481</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.3485</b>

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**3.18 70kV Substation Control Enclosure - 2021**

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	5.7000e-004	1.7000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1147	0.1147	1.0000e-005	0.0000	0.1149
Worker	1.2000e-004	1.1000e-004	9.4000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2334	0.2334	1.0000e-005	0.0000	0.2336
<b>Total</b>	<b>1.4000e-004</b>	<b>6.8000e-004</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.3481</b>	<b>0.3481</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.3485</b>

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**3.19 230kV Sub Steel Bus - 2021**

**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	7.6100e-003	0.0686	0.0531	1.7000e-004		2.4200e-003	2.4200e-003		2.2300e-003	2.2300e-003	0.0000	15.2460	15.2460	4.9300e-003	0.0000	15.3693
<b>Total</b>	<b>7.6100e-003</b>	<b>0.0686</b>	<b>0.0531</b>	<b>1.7000e-004</b>		<b>2.4200e-003</b>	<b>2.4200e-003</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>	<b>0.0000</b>	<b>15.2460</b>	<b>15.2460</b>	<b>4.9300e-003</b>	<b>0.0000</b>	<b>15.3693</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-003	0.0343	0.0100	7.0000e-005	1.6400e-003	1.0000e-004	1.7300e-003	4.7000e-004	9.0000e-005	5.7000e-004	0.0000	6.8845	6.8845	4.1000e-004	0.0000	6.8946
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5900e-003</b>	<b>0.0347</b>	<b>0.0138</b>	<b>8.0000e-005</b>	<b>2.8000e-003</b>	<b>1.1000e-004</b>	<b>2.8900e-003</b>	<b>7.8000e-004</b>	<b>1.0000e-004</b>	<b>8.8000e-004</b>	<b>0.0000</b>	<b>7.8180</b>	<b>7.8180</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>7.8289</b>

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**3.19 230kV Sub Steel Bus - 2021**

**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	7.6100e-003	0.0686	0.0531	1.7000e-004		2.4200e-003	2.4200e-003		2.2300e-003	2.2300e-003	0.0000	15.2460	15.2460	4.9300e-003	0.0000	15.3693
<b>Total</b>	<b>7.6100e-003</b>	<b>0.0686</b>	<b>0.0531</b>	<b>1.7000e-004</b>		<b>2.4200e-003</b>	<b>2.4200e-003</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>	<b>0.0000</b>	<b>15.2460</b>	<b>15.2460</b>	<b>4.9300e-003</b>	<b>0.0000</b>	<b>15.3693</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-003	0.0343	0.0100	7.0000e-005	1.6400e-003	1.0000e-004	1.7300e-003	4.7000e-004	9.0000e-005	5.7000e-004	0.0000	6.8845	6.8845	4.1000e-004	0.0000	6.8946
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5900e-003</b>	<b>0.0347</b>	<b>0.0138</b>	<b>8.0000e-005</b>	<b>2.8000e-003</b>	<b>1.1000e-004</b>	<b>2.8900e-003</b>	<b>7.8000e-004</b>	<b>1.0000e-004</b>	<b>8.8000e-004</b>	<b>0.0000</b>	<b>7.8180</b>	<b>7.8180</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>7.8289</b>

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**3.20 230kV Sub Install Yard Rock - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.5000e-004	0.0113	0.0156	2.0000e-005		4.6000e-004	4.6000e-004		4.2000e-004	4.2000e-004	0.0000	2.0432	2.0432	6.6000e-004	0.0000	2.0597
<b>Total</b>	<b>8.5000e-004</b>	<b>0.0113</b>	<b>0.0156</b>	<b>2.0000e-005</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>		<b>4.2000e-004</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>2.0432</b>	<b>2.0432</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>2.0597</b>

**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	1.2300e-003	0.0386	0.0113	8.0000e-005	1.8400e-003	1.1000e-004	1.9500e-003	5.3000e-004	1.1000e-004	6.4000e-004	0.0000	7.7450	7.7450	4.6000e-004	0.0000	7.7565
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>1.8200e-003</b>	<b>0.0391</b>	<b>0.0158</b>	<b>9.0000e-005</b>	<b>3.2300e-003</b>	<b>1.2000e-004</b>	<b>3.3500e-003</b>	<b>9.0000e-004</b>	<b>1.2000e-004</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>8.8653</b>	<b>8.8653</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>8.8776</b>



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**3.20 230kV Sub Install Yard Rock - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.5000e-004	0.0113	0.0156	2.0000e-005		4.6000e-004	4.6000e-004		4.2000e-004	4.2000e-004	0.0000	2.0432	2.0432	6.6000e-004	0.0000	2.0597
<b>Total</b>	<b>8.5000e-004</b>	<b>0.0113</b>	<b>0.0156</b>	<b>2.0000e-005</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>		<b>4.2000e-004</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>2.0432</b>	<b>2.0432</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>2.0597</b>

**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	1.2300e-003	0.0386	0.0113	8.0000e-005	1.8400e-003	1.1000e-004	1.9500e-003	5.3000e-004	1.1000e-004	6.4000e-004	0.0000	7.7450	7.7450	4.6000e-004	0.0000	7.7565
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>1.8200e-003</b>	<b>0.0391</b>	<b>0.0158</b>	<b>9.0000e-005</b>	<b>3.2300e-003</b>	<b>1.2000e-004</b>	<b>3.3500e-003</b>	<b>9.0000e-004</b>	<b>1.2000e-004</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>8.8653</b>	<b>8.8653</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>8.8776</b>

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**3.21 70kV Substation Cable Installation - 2021**

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.5700e-003	7.5000e-004	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5163	0.5163	3.0000e-005	0.0000	0.5171
Worker	3.7000e-004	3.2000e-004	2.8100e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7002	0.7002	2.0000e-005	0.0000	0.7007
<b>Total</b>	<b>4.5000e-004</b>	<b>2.8900e-003</b>	<b>3.5600e-003</b>	<b>2.0000e-005</b>	<b>9.9000e-004</b>	<b>2.0000e-005</b>	<b>1.0000e-003</b>	<b>2.7000e-004</b>	<b>2.0000e-005</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>1.2165</b>	<b>1.2165</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.2178</b>

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**3.21 70kV Substation Cable Installation - 2021**

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.5700e-003	7.5000e-004	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5163	0.5163	3.0000e-005	0.0000	0.5171
Worker	3.7000e-004	3.2000e-004	2.8100e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7002	0.7002	2.0000e-005	0.0000	0.7007
<b>Total</b>	<b>4.5000e-004</b>	<b>2.8900e-003</b>	<b>3.5600e-003</b>	<b>2.0000e-005</b>	<b>9.9000e-004</b>	<b>2.0000e-005</b>	<b>1.0000e-003</b>	<b>2.7000e-004</b>	<b>2.0000e-005</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>1.2165</b>	<b>1.2165</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.2178</b>

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**3.22 230kV Sub Transformer - 2021**

**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	0.0376	0.3432	0.2414	7.6000e-004		0.0136	0.0136		0.0126	0.0126	0.0000	66.9818	66.9818	0.0202	0.0000	67.4873
<b>Total</b>	<b>0.0376</b>	<b>0.3432</b>	<b>0.2414</b>	<b>7.6000e-004</b>		<b>0.0136</b>	<b>0.0136</b>		<b>0.0126</b>	<b>0.0126</b>	<b>0.0000</b>	<b>66.9818</b>	<b>66.9818</b>	<b>0.0202</b>	<b>0.0000</b>	<b>67.4873</b>

**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	1.3700e-003	0.0428	0.0126	9.0000e-005	2.0400e-003	1.2000e-004	2.1700e-003	5.9000e-004	1.2000e-004	7.1000e-004	0.0000	8.6056	8.6056	5.1000e-004	0.0000	8.6183
Worker	9.8000e-004	8.5000e-004	7.4800e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3300e-003	6.1000e-004	1.0000e-005	6.3000e-004	0.0000	1.8671	1.8671	6.0000e-005	0.0000	1.8685
<b>Total</b>	<b>2.3500e-003</b>	<b>0.0437</b>	<b>0.0200</b>	<b>1.1000e-004</b>	<b>4.3500e-003</b>	<b>1.3000e-004</b>	<b>4.5000e-003</b>	<b>1.2000e-003</b>	<b>1.3000e-004</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>10.4727</b>	<b>10.4727</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>10.4868</b>

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**3.22 230kV Sub Transformer - 2021**

**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	0.0376	0.3432	0.2414	7.6000e-004		0.0136	0.0136		0.0126	0.0126	0.0000	66.9818	66.9818	0.0202	0.0000	67.4873
<b>Total</b>	<b>0.0376</b>	<b>0.3432</b>	<b>0.2414</b>	<b>7.6000e-004</b>		<b>0.0136</b>	<b>0.0136</b>		<b>0.0126</b>	<b>0.0126</b>	<b>0.0000</b>	<b>66.9818</b>	<b>66.9818</b>	<b>0.0202</b>	<b>0.0000</b>	<b>67.4873</b>

**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	1.3700e-003	0.0428	0.0126	9.0000e-005	2.0400e-003	1.2000e-004	2.1700e-003	5.9000e-004	1.2000e-004	7.1000e-004	0.0000	8.6056	8.6056	5.1000e-004	0.0000	8.6183
Worker	9.8000e-004	8.5000e-004	7.4800e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3300e-003	6.1000e-004	1.0000e-005	6.3000e-004	0.0000	1.8671	1.8671	6.0000e-005	0.0000	1.8685
<b>Total</b>	<b>2.3500e-003</b>	<b>0.0437</b>	<b>0.0200</b>	<b>1.1000e-004</b>	<b>4.3500e-003</b>	<b>1.3000e-004</b>	<b>4.5000e-003</b>	<b>1.2000e-003</b>	<b>1.3000e-004</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>10.4727</b>	<b>10.4727</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>10.4868</b>

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**3.23 230kV Transmission Cleanup Restore - 2021**

**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					1.5900e-003	0.0000	1.5900e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6400e-003	0.0206	8.6900e-003	2.0000e-005		7.3000e-004	7.3000e-004		6.7000e-004	6.7000e-004	0.0000	2.1558	2.1558	7.0000e-004	0.0000	2.1733
<b>Total</b>	<b>1.6400e-003</b>	<b>0.0206</b>	<b>8.6900e-003</b>	<b>2.0000e-005</b>	<b>1.5900e-003</b>	<b>7.3000e-004</b>	<b>2.3200e-003</b>	<b>1.7000e-004</b>	<b>6.7000e-004</b>	<b>8.4000e-004</b>	<b>0.0000</b>	<b>2.1558</b>	<b>2.1558</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>2.1733</b>

**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	2.5700e-003	7.5000e-004	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5163	0.5163	3.0000e-005	0.0000	0.5171
Worker	1.2000e-004	1.1000e-004	9.4000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2334	0.2334	1.0000e-005	0.0000	0.2336
<b>Total</b>	<b>2.0000e-004</b>	<b>2.6800e-003</b>	<b>1.6900e-003</b>	<b>1.0000e-005</b>	<b>4.1000e-004</b>	<b>1.0000e-005</b>	<b>4.2000e-004</b>	<b>1.2000e-004</b>	<b>1.0000e-005</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.7497</b>	<b>0.7497</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.7507</b>

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**3.23 230kV Transmission Cleanup Restore - 2021**

**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					7.2000e-004	0.0000	7.2000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6400e-003	0.0206	8.6900e-003	2.0000e-005		7.3000e-004	7.3000e-004		6.7000e-004	6.7000e-004	0.0000	2.1558	2.1558	7.0000e-004	0.0000	2.1733
<b>Total</b>	<b>1.6400e-003</b>	<b>0.0206</b>	<b>8.6900e-003</b>	<b>2.0000e-005</b>	<b>7.2000e-004</b>	<b>7.3000e-004</b>	<b>1.4500e-003</b>	<b>8.0000e-005</b>	<b>6.7000e-004</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>2.1558</b>	<b>2.1558</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>2.1733</b>

**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	2.5700e-003	7.5000e-004	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5163	0.5163	3.0000e-005	0.0000	0.5171
Worker	1.2000e-004	1.1000e-004	9.4000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2334	0.2334	1.0000e-005	0.0000	0.2336
<b>Total</b>	<b>2.0000e-004</b>	<b>2.6800e-003</b>	<b>1.6900e-003</b>	<b>1.0000e-005</b>	<b>4.1000e-004</b>	<b>1.0000e-005</b>	<b>4.2000e-004</b>	<b>1.2000e-004</b>	<b>1.0000e-005</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.7497</b>	<b>0.7497</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.7507</b>

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**3.24 230kV Sub Control Enclosure Delivery - 2021**

**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	1.8600e-003	0.0218	8.9200e-003	3.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	2.2810	2.2810	7.4000e-004	0.0000	2.2994
<b>Total</b>	<b>1.8600e-003</b>	<b>0.0218</b>	<b>8.9200e-003</b>	<b>3.0000e-005</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>		<b>8.2000e-004</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>2.2810</b>	<b>2.2810</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>2.2994</b>

**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	1.1400e-003	3.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2295	0.2295	1.0000e-005	0.0000	0.2298
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.3000e-004</b>	<b>1.4000e-003</b>	<b>2.5700e-003</b>	<b>1.0000e-005</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>7.6000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.7896</b>	<b>0.7896</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7904</b>



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**3.24 230kV Sub Control Enclosure Delivery - 2021**

**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	1.8600e-003	0.0218	8.9200e-003	3.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	2.2810	2.2810	7.4000e-004	0.0000	2.2994
<b>Total</b>	<b>1.8600e-003</b>	<b>0.0218</b>	<b>8.9200e-003</b>	<b>3.0000e-005</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>		<b>8.2000e-004</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>2.2810</b>	<b>2.2810</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>2.2994</b>

**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	1.1400e-003	3.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2295	0.2295	1.0000e-005	0.0000	0.2298
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.3000e-004</b>	<b>1.4000e-003</b>	<b>2.5700e-003</b>	<b>1.0000e-005</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>7.6000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.7896</b>	<b>0.7896</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7904</b>

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**3.25 70kV Substation Install Yard Rock - 2021**

**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	1.1200e-003	0.0114	0.0136	2.0000e-005		6.7000e-004	6.7000e-004		6.2000e-004	6.2000e-004	0.0000	1.6378	1.6378	5.3000e-004	0.0000	1.6511
<b>Total</b>	<b>1.1200e-003</b>	<b>0.0114</b>	<b>0.0136</b>	<b>2.0000e-005</b>		<b>6.7000e-004</b>	<b>6.7000e-004</b>		<b>6.2000e-004</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>1.6378</b>	<b>1.6378</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6511</b>

**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	2.9000e-004	9.1400e-003	2.6800e-003	2.0000e-005	4.4000e-004	3.0000e-005	4.6000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	1.8359	1.8359	1.1000e-004	0.0000	1.8386
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>5.8000e-004</b>	<b>9.4000e-003</b>	<b>4.9200e-003</b>	<b>3.0000e-005</b>	<b>1.1300e-003</b>	<b>3.0000e-005</b>	<b>1.1600e-003</b>	<b>3.1000e-004</b>	<b>2.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>2.3960</b>	<b>2.3960</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>2.3991</b>

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**3.25 70kV Substation Install Yard Rock - 2021**

**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	1.1200e-003	0.0114	0.0136	2.0000e-005		6.7000e-004	6.7000e-004		6.2000e-004	6.2000e-004	0.0000	1.6378	1.6378	5.3000e-004	0.0000	1.6511
<b>Total</b>	<b>1.1200e-003</b>	<b>0.0114</b>	<b>0.0136</b>	<b>2.0000e-005</b>		<b>6.7000e-004</b>	<b>6.7000e-004</b>		<b>6.2000e-004</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>1.6378</b>	<b>1.6378</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6511</b>

**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	2.9000e-004	9.1400e-003	2.6800e-003	2.0000e-005	4.4000e-004	3.0000e-005	4.6000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	1.8359	1.8359	1.1000e-004	0.0000	1.8386
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>5.8000e-004</b>	<b>9.4000e-003</b>	<b>4.9200e-003</b>	<b>3.0000e-005</b>	<b>1.1300e-003</b>	<b>3.0000e-005</b>	<b>1.1600e-003</b>	<b>3.1000e-004</b>	<b>2.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>2.3960</b>	<b>2.3960</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>2.3991</b>

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**3.26 230kV Sub Remaining Equipment Delivery - 2021**

**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	5.4500e-003	0.0474	0.0324	1.2000e-004		1.7400e-003	1.7400e-003		1.6000e-003	1.6000e-003	0.0000	10.4387	10.4387	3.3800e-003	0.0000	10.5231
<b>Total</b>	<b>5.4500e-003</b>	<b>0.0474</b>	<b>0.0324</b>	<b>1.2000e-004</b>		<b>1.7400e-003</b>	<b>1.7400e-003</b>		<b>1.6000e-003</b>	<b>1.6000e-003</b>	<b>0.0000</b>	<b>10.4387</b>	<b>10.4387</b>	<b>3.3800e-003</b>	<b>0.0000</b>	<b>10.5231</b>

**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	1.0200e-003	0.0320	9.3700e-003	7.0000e-005	1.5300e-003	9.0000e-005	1.6200e-003	4.4000e-004	9.0000e-005	5.3000e-004	0.0000	6.4255	6.4255	3.8000e-004	0.0000	6.4350
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5100e-003</b>	<b>0.0324</b>	<b>0.0131</b>	<b>8.0000e-005</b>	<b>2.6900e-003</b>	<b>1.0000e-004</b>	<b>2.7800e-003</b>	<b>7.5000e-004</b>	<b>1.0000e-004</b>	<b>8.4000e-004</b>	<b>0.0000</b>	<b>7.3591</b>	<b>7.3591</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>7.3692</b>

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**3.26 230kV Sub Remaining Equipment Delivery - 2021**

**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	5.4500e-003	0.0474	0.0324	1.2000e-004		1.7400e-003	1.7400e-003		1.6000e-003	1.6000e-003	0.0000	10.4387	10.4387	3.3800e-003	0.0000	10.5231
<b>Total</b>	<b>5.4500e-003</b>	<b>0.0474</b>	<b>0.0324</b>	<b>1.2000e-004</b>		<b>1.7400e-003</b>	<b>1.7400e-003</b>		<b>1.6000e-003</b>	<b>1.6000e-003</b>	<b>0.0000</b>	<b>10.4387</b>	<b>10.4387</b>	<b>3.3800e-003</b>	<b>0.0000</b>	<b>10.5231</b>

**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	1.0200e-003	0.0320	9.3700e-003	7.0000e-005	1.5300e-003	9.0000e-005	1.6200e-003	4.4000e-004	9.0000e-005	5.3000e-004	0.0000	6.4255	6.4255	3.8000e-004	0.0000	6.4350
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5100e-003</b>	<b>0.0324</b>	<b>0.0131</b>	<b>8.0000e-005</b>	<b>2.6900e-003</b>	<b>1.0000e-004</b>	<b>2.7800e-003</b>	<b>7.5000e-004</b>	<b>1.0000e-004</b>	<b>8.4000e-004</b>	<b>0.0000</b>	<b>7.3591</b>	<b>7.3591</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>7.3692</b>

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

**3.27 70kV Substation Cleanup Restore - 2021**

**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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.1800e-003</b>	<b>0.0000</b>	<b>3.1800e-003</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.7000e-004	1.5000e-003	0.0000	4.6000e-004	0.0000	4.7000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.3734	0.3734	1.0000e-005	0.0000	0.3737
<b>Total</b>	<b>2.0000e-004</b>	<b>1.7000e-004</b>	<b>1.5000e-003</b>	<b>0.0000</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>4.7000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.3734</b>	<b>0.3734</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3737</b>

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**3.27 70kV Substation Cleanup Restore - 2021**

**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					1.4300e-003	0.0000	1.4300e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.4300e-003</b>	<b>0.0000</b>	<b>1.4300e-003</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.7000e-004	1.5000e-003	0.0000	4.6000e-004	0.0000	4.7000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.3734	0.3734	1.0000e-005	0.0000	0.3737
<b>Total</b>	<b>2.0000e-004</b>	<b>1.7000e-004</b>	<b>1.5000e-003</b>	<b>0.0000</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>4.7000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.3734</b>	<b>0.3734</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3737</b>

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

**3.28 230kV Sub Cable Install Termination - 2021**

**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	2.2000e-004	3.6000e-003	6.5600e-003	1.0000e-005		7.0000e-005	7.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.8852	0.8852	2.9000e-004	0.0000	0.8923
<b>Total</b>	<b>2.2000e-004</b>	<b>3.6000e-003</b>	<b>6.5600e-003</b>	<b>1.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.8852</b>	<b>0.8852</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.8923</b>

**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	5.0000e-005	1.7100e-003	5.0000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3442	0.3442	2.0000e-005	0.0000	0.3447
Worker	2.4000e-004	2.1000e-004	1.8700e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4668	0.4668	1.0000e-005	0.0000	0.4671
<b>Total</b>	<b>2.9000e-004</b>	<b>1.9200e-003</b>	<b>2.3700e-003</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>6.7000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.8110</b>	<b>0.8110</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8119</b>



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

**3.28 230kV Sub Cable Install Termination - 2021**

**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	2.2000e-004	3.6000e-003	6.5600e-003	1.0000e-005		7.0000e-005	7.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.8852	0.8852	2.9000e-004	0.0000	0.8923
<b>Total</b>	<b>2.2000e-004</b>	<b>3.6000e-003</b>	<b>6.5600e-003</b>	<b>1.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.8852</b>	<b>0.8852</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.8923</b>

**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	5.0000e-005	1.7100e-003	5.0000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3442	0.3442	2.0000e-005	0.0000	0.3447
Worker	2.4000e-004	2.1000e-004	1.8700e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4668	0.4668	1.0000e-005	0.0000	0.4671
<b>Total</b>	<b>2.9000e-004</b>	<b>1.9200e-003</b>	<b>2.3700e-003</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>6.7000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.8110</b>	<b>0.8110</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8119</b>

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**3.29 70kV Substation Testing Commissioning - 2021**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>4.7700e-003</b>	<b>0.0000</b>	<b>4.7700e-003</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	5.0000e-005	1.7100e-003	5.0000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3442	0.3442	2.0000e-005	0.0000	0.3447
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.4000e-004</b>	<b>1.9700e-003</b>	<b>2.7400e-003</b>	<b>1.0000e-005</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>7.9000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.9044</b>	<b>0.9044</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.9053</b>

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**3.29 70kV Substation Testing Commissioning - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1500e-003	0.0000	2.1500e-003	2.3000e-004	0.0000	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.1500e-003</b>	<b>0.0000</b>	<b>2.1500e-003</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	5.0000e-005	1.7100e-003	5.0000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3442	0.3442	2.0000e-005	0.0000	0.3447
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.4000e-004</b>	<b>1.9700e-003</b>	<b>2.7400e-003</b>	<b>1.0000e-005</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>7.9000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.9044</b>	<b>0.9044</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.9053</b>

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

**3.30 230kV Sub Testing and Commissioning - 2021**

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.1900e-003	0.0371	0.0109	8.0000e-005	1.7700e-003	1.1000e-004	1.8800e-003	5.1000e-004	1.0000e-004	6.1000e-004	0.0000	7.4582	7.4582	4.4000e-004	0.0000	7.4692
Worker	6.1000e-004	5.3000e-004	4.6800e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1669	1.1669	4.0000e-005	0.0000	1.1678
<b>Total</b>	<b>1.8000e-003</b>	<b>0.0377</b>	<b>0.0156</b>	<b>9.0000e-005</b>	<b>3.2100e-003</b>	<b>1.2000e-004</b>	<b>3.3300e-003</b>	<b>8.9000e-004</b>	<b>1.1000e-004</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>8.6251</b>	<b>8.6251</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>8.6370</b>

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

**3.30 230kV Sub Testing and Commissioning - 2021**

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.1900e-003	0.0371	0.0109	8.0000e-005	1.7700e-003	1.1000e-004	1.8800e-003	5.1000e-004	1.0000e-004	6.1000e-004	0.0000	7.4582	7.4582	4.4000e-004	0.0000	7.4692
Worker	6.1000e-004	5.3000e-004	4.6800e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1669	1.1669	4.0000e-005	0.0000	1.1678
<b>Total</b>	<b>1.8000e-003</b>	<b>0.0377</b>	<b>0.0156</b>	<b>9.0000e-005</b>	<b>3.2100e-003</b>	<b>1.2000e-004</b>	<b>3.3300e-003</b>	<b>8.9000e-004</b>	<b>1.1000e-004</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>8.6251</b>	<b>8.6251</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>8.6370</b>

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**3.31 230kV Substation Cleanup Restore - 2021**

**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	2.7000e-003	0.0260	0.0286	4.0000e-005		1.6700e-003	1.6700e-003		1.5300e-003	1.5300e-003	0.0000	3.3613	3.3613	1.0900e-003	0.0000	3.3885
<b>Total</b>	<b>2.7000e-003</b>	<b>0.0260</b>	<b>0.0286</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.6700e-003</b>	<b>1.6700e-003</b>	<b>0.0000</b>	<b>1.5300e-003</b>	<b>1.5300e-003</b>	<b>0.0000</b>	<b>3.3613</b>	<b>3.3613</b>	<b>1.0900e-003</b>	<b>0.0000</b>	<b>3.3885</b>

**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-004	0.0248	7.2800e-003	5.0000e-005	1.1900e-003	7.0000e-005	1.2600e-003	3.4000e-004	7.0000e-005	4.1000e-004	0.0000	4.9912	4.9912	2.9000e-004	0.0000	4.9886
Worker	2.2000e-004	1.9000e-004	1.6800e-003	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4201	0.4201	1.0000e-005	0.0000	0.4204
<b>Total</b>	<b>1.0200e-003</b>	<b>0.0250</b>	<b>8.9600e-003</b>	<b>5.0000e-005</b>	<b>1.7100e-003</b>	<b>7.0000e-005</b>	<b>1.7800e-003</b>	<b>4.8000e-004</b>	<b>7.0000e-005</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>5.4113</b>	<b>5.4113</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>5.4190</b>

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**3.31 230kV Substation Cleanup Restore - 2021**

**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	2.7000e-003	0.0260	0.0286	4.0000e-005		1.6700e-003	1.6700e-003		1.5300e-003	1.5300e-003	0.0000	3.3613	3.3613	1.0900e-003	0.0000	3.3885
<b>Total</b>	<b>2.7000e-003</b>	<b>0.0260</b>	<b>0.0286</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.6700e-003</b>	<b>1.6700e-003</b>	<b>0.0000</b>	<b>1.5300e-003</b>	<b>1.5300e-003</b>	<b>0.0000</b>	<b>3.3613</b>	<b>3.3613</b>	<b>1.0900e-003</b>	<b>0.0000</b>	<b>3.3885</b>

**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-004	0.0248	7.2800e-003	5.0000e-005	1.1900e-003	7.0000e-005	1.2600e-003	3.4000e-004	7.0000e-005	4.1000e-004	0.0000	4.9912	4.9912	2.9000e-004	0.0000	4.9886
Worker	2.2000e-004	1.9000e-004	1.6800e-003	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4201	0.4201	1.0000e-005	0.0000	0.4204
<b>Total</b>	<b>1.0200e-003</b>	<b>0.0250</b>	<b>8.9600e-003</b>	<b>5.0000e-005</b>	<b>1.7100e-003</b>	<b>7.0000e-005</b>	<b>1.7800e-003</b>	<b>4.8000e-004</b>	<b>7.0000e-005</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>5.4113</b>	<b>5.4113</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>5.4190</b>

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**3.32 70kV Power Line Site Work Prep - 2021**

**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					6.3600e-003	0.0000	6.3600e-003	6.9000e-004	0.0000	6.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2800e-003	0.1180	0.0454	1.4000e-004		4.0500e-003	4.0500e-003		3.7300e-003	3.7300e-003	0.0000	12.1161	12.1161	3.9200e-003	0.0000	12.2141
<b>Total</b>	<b>9.2800e-003</b>	<b>0.1180</b>	<b>0.0454</b>	<b>1.4000e-004</b>	<b>6.3600e-003</b>	<b>4.0500e-003</b>	<b>0.0104</b>	<b>6.9000e-004</b>	<b>3.7300e-003</b>	<b>4.4200e-003</b>	<b>0.0000</b>	<b>12.1161</b>	<b>12.1161</b>	<b>3.9200e-003</b>	<b>0.0000</b>	<b>12.2141</b>

**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	3.7000e-004	0.0114	3.3500e-003	2.0000e-005	5.5000e-004	3.0000e-005	5.8000e-004	1.6000e-004	3.0000e-005	1.9000e-004	0.0000	2.2948	2.2948	1.4000e-004	0.0000	2.2982
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>9.6000e-004</b>	<b>0.0119</b>	<b>7.8400e-003</b>	<b>3.0000e-005</b>	<b>1.9400e-003</b>	<b>4.0000e-005</b>	<b>1.9800e-003</b>	<b>5.3000e-004</b>	<b>4.0000e-005</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>3.4151</b>	<b>3.4151</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.4193</b>



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**3.32 70kV Power Line Site Work Prep - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8600e-003	0.0000	2.8600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2800e-003	0.1180	0.0454	1.4000e-004		4.0500e-003	4.0500e-003		3.7300e-003	3.7300e-003	0.0000	12.1161	12.1161	3.9200e-003	0.0000	12.2141
<b>Total</b>	<b>9.2800e-003</b>	<b>0.1180</b>	<b>0.0454</b>	<b>1.4000e-004</b>	<b>2.8600e-003</b>	<b>4.0500e-003</b>	<b>6.9100e-003</b>	<b>3.1000e-004</b>	<b>3.7300e-003</b>	<b>4.0400e-003</b>	<b>0.0000</b>	<b>12.1161</b>	<b>12.1161</b>	<b>3.9200e-003</b>	<b>0.0000</b>	<b>12.2141</b>

**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	3.7000e-004	0.0114	3.3500e-003	2.0000e-005	5.5000e-004	3.0000e-005	5.8000e-004	1.6000e-004	3.0000e-005	1.9000e-004	0.0000	2.2948	2.2948	1.4000e-004	0.0000	2.2982
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>9.6000e-004</b>	<b>0.0119</b>	<b>7.8400e-003</b>	<b>3.0000e-005</b>	<b>1.9400e-003</b>	<b>4.0000e-005</b>	<b>1.9800e-003</b>	<b>5.3000e-004</b>	<b>4.0000e-005</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>3.4151</b>	<b>3.4151</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.4193</b>

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**3.33 Reconductoring Cleanup Restore - 2021**

**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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6000e-003	0.0324	0.0147	4.0000e-005		1.1800e-003	1.1800e-003		1.0900e-003	1.0900e-003	0.0000	3.4385	3.4385	1.1100e-003	0.0000	3.4663
<b>Total</b>	<b>2.6000e-003</b>	<b>0.0324</b>	<b>0.0147</b>	<b>4.0000e-005</b>	<b>3.1800e-003</b>	<b>1.1800e-003</b>	<b>4.3600e-003</b>	<b>3.4000e-004</b>	<b>1.0900e-003</b>	<b>1.4300e-003</b>	<b>0.0000</b>	<b>3.4385</b>	<b>3.4385</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.4663</b>

**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	9.0000e-005	2.8600e-003	8.4000e-004	1.0000e-005	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.5737	0.5737	3.0000e-005	0.0000	0.5746
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.8000e-004</b>	<b>3.1200e-003</b>	<b>3.0800e-003</b>	<b>2.0000e-005</b>	<b>8.3000e-004</b>	<b>1.0000e-005</b>	<b>8.4000e-004</b>	<b>2.2000e-004</b>	<b>1.0000e-005</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>1.1338</b>	<b>1.1338</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.1351</b>

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**3.33 Reconductoring Cleanup Restore - 2021**

**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					1.4300e-003	0.0000	1.4300e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6000e-003	0.0324	0.0147	4.0000e-005		1.1800e-003	1.1800e-003		1.0900e-003	1.0900e-003	0.0000	3.4385	3.4385	1.1100e-003	0.0000	3.4663
<b>Total</b>	<b>2.6000e-003</b>	<b>0.0324</b>	<b>0.0147</b>	<b>4.0000e-005</b>	<b>1.4300e-003</b>	<b>1.1800e-003</b>	<b>2.6100e-003</b>	<b>1.5000e-004</b>	<b>1.0900e-003</b>	<b>1.2400e-003</b>	<b>0.0000</b>	<b>3.4385</b>	<b>3.4385</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.4663</b>

**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	9.0000e-005	2.8600e-003	8.4000e-004	1.0000e-005	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.5737	0.5737	3.0000e-005	0.0000	0.5746
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.8000e-004</b>	<b>3.1200e-003</b>	<b>3.0800e-003</b>	<b>2.0000e-005</b>	<b>8.3000e-004</b>	<b>1.0000e-005</b>	<b>8.4000e-004</b>	<b>2.2000e-004</b>	<b>1.0000e-005</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>1.1338</b>	<b>1.1338</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.1351</b>

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**3.34 70kV Power Line Pole Tower Install - 2021**

**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	0.1320	1.1940	0.8330	2.7400e-003		0.0465	0.0465		0.0428	0.0428	0.0000	240.7603	240.7603	0.0779	0.0000	242.7069
<b>Total</b>	<b>0.1320</b>	<b>1.1940</b>	<b>0.8330</b>	<b>2.7400e-003</b>		<b>0.0465</b>	<b>0.0465</b>		<b>0.0428</b>	<b>0.0428</b>	<b>0.0000</b>	<b>240.7603</b>	<b>240.7603</b>	<b>0.0779</b>	<b>0.0000</b>	<b>242.7069</b>

**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	2.4000e-003	0.0750	0.0220	1.6000e-004	3.5800e-003	2.1000e-004	3.7900e-003	1.0300e-003	2.0000e-004	1.2400e-003	0.0000	15.0598	15.0598	8.9000e-004	0.0000	15.0820
Worker	8.9900e-003	7.8300e-003	0.0687	1.9000e-004	0.0212	1.3000e-004	0.0214	5.6400e-003	1.2000e-004	5.7700e-003	0.0000	17.1540	17.1540	5.2000e-004	0.0000	17.1670
<b>Total</b>	<b>0.0114</b>	<b>0.0828</b>	<b>0.0907</b>	<b>3.5000e-004</b>	<b>0.0248</b>	<b>3.4000e-004</b>	<b>0.0252</b>	<b>6.6700e-003</b>	<b>3.2000e-004</b>	<b>7.0100e-003</b>	<b>0.0000</b>	<b>32.2138</b>	<b>32.2138</b>	<b>1.4100e-003</b>	<b>0.0000</b>	<b>32.2490</b>

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**3.34 70kV Power Line Pole Tower Install - 2021**

**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	0.1320	1.1940	0.8330	2.7400e-003		0.0465	0.0465		0.0428	0.0428	0.0000	240.7600	240.7600	0.0779	0.0000	242.7066
<b>Total</b>	<b>0.1320</b>	<b>1.1940</b>	<b>0.8330</b>	<b>2.7400e-003</b>		<b>0.0465</b>	<b>0.0465</b>		<b>0.0428</b>	<b>0.0428</b>	<b>0.0000</b>	<b>240.7600</b>	<b>240.7600</b>	<b>0.0779</b>	<b>0.0000</b>	<b>242.7066</b>

**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	2.4000e-003	0.0750	0.0220	1.6000e-004	3.5800e-003	2.1000e-004	3.7900e-003	1.0300e-003	2.0000e-004	1.2400e-003	0.0000	15.0598	15.0598	8.9000e-004	0.0000	15.0820
Worker	8.9900e-003	7.8300e-003	0.0687	1.9000e-004	0.0212	1.3000e-004	0.0214	5.6400e-003	1.2000e-004	5.7700e-003	0.0000	17.1540	17.1540	5.2000e-004	0.0000	17.1670
<b>Total</b>	<b>0.0114</b>	<b>0.0828</b>	<b>0.0907</b>	<b>3.5000e-004</b>	<b>0.0248</b>	<b>3.4000e-004</b>	<b>0.0252</b>	<b>6.6700e-003</b>	<b>3.2000e-004</b>	<b>7.0100e-003</b>	<b>0.0000</b>	<b>32.2138</b>	<b>32.2138</b>	<b>1.4100e-003</b>	<b>0.0000</b>	<b>32.2490</b>

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**3.34 70kV Power Line Pole Tower Install - 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	0.1001	0.8106	0.6798	2.3800e-003		0.0313	0.0313		0.0288	0.0288	0.0000	208.7416	208.7416	0.0675	0.0000	210.4293
<b>Total</b>	<b>0.1001</b>	<b>0.8106</b>	<b>0.6798</b>	<b>2.3800e-003</b>		<b>0.0313</b>	<b>0.0313</b>		<b>0.0288</b>	<b>0.0288</b>	<b>0.0000</b>	<b>208.7416</b>	<b>208.7416</b>	<b>0.0675</b>	<b>0.0000</b>	<b>210.4293</b>

**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	1.9200e-003	0.0617	0.0176	1.3000e-004	3.1000e-003	1.6000e-004	3.2600e-003	9.0000e-004	1.6000e-004	1.0500e-003	0.0000	12.9629	12.9629	7.6000e-004	0.0000	12.9819
Worker	7.3100e-003	6.1000e-003	0.0546	1.6000e-004	0.0184	1.1000e-004	0.0185	4.8900e-003	1.0000e-004	4.9900e-003	0.0000	14.3354	14.3354	4.0000e-004	0.0000	14.3455
<b>Total</b>	<b>9.2300e-003</b>	<b>0.0678</b>	<b>0.0721</b>	<b>2.9000e-004</b>	<b>0.0215</b>	<b>2.7000e-004</b>	<b>0.0218</b>	<b>5.7900e-003</b>	<b>2.6000e-004</b>	<b>6.0400e-003</b>	<b>0.0000</b>	<b>27.2983</b>	<b>27.2983</b>	<b>1.1600e-003</b>	<b>0.0000</b>	<b>27.3274</b>

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**3.34 70kV Power Line Pole Tower Install - 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	0.1001	0.8106	0.6798	2.3800e-003		0.0313	0.0313		0.0288	0.0288	0.0000	208.7413	208.7413	0.0675	0.0000	210.4291
<b>Total</b>	<b>0.1001</b>	<b>0.8106</b>	<b>0.6798</b>	<b>2.3800e-003</b>		<b>0.0313</b>	<b>0.0313</b>		<b>0.0288</b>	<b>0.0288</b>	<b>0.0000</b>	<b>208.7413</b>	<b>208.7413</b>	<b>0.0675</b>	<b>0.0000</b>	<b>210.4291</b>

**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	1.9200e-003	0.0617	0.0176	1.3000e-004	3.1000e-003	1.6000e-004	3.2600e-003	9.0000e-004	1.6000e-004	1.0500e-003	0.0000	12.9629	12.9629	7.6000e-004	0.0000	12.9819
Worker	7.3100e-003	6.1000e-003	0.0546	1.6000e-004	0.0184	1.1000e-004	0.0185	4.8900e-003	1.0000e-004	4.9900e-003	0.0000	14.3354	14.3354	4.0000e-004	0.0000	14.3455
<b>Total</b>	<b>9.2300e-003</b>	<b>0.0678</b>	<b>0.0721</b>	<b>2.9000e-004</b>	<b>0.0215</b>	<b>2.7000e-004</b>	<b>0.0218</b>	<b>5.7900e-003</b>	<b>2.6000e-004</b>	<b>6.0400e-003</b>	<b>0.0000</b>	<b>27.2983</b>	<b>27.2983</b>	<b>1.1600e-003</b>	<b>0.0000</b>	<b>27.3274</b>

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**3.35 Distribution Facilities 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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9000e-004	0.0101	0.0134	2.0000e-005		5.4000e-004	5.4000e-004		5.0000e-004	5.0000e-004	0.0000	1.6397	1.6397	5.3000e-004	0.0000	1.6529
<b>Total</b>	<b>9.9000e-004</b>	<b>0.0101</b>	<b>0.0134</b>	<b>2.0000e-005</b>	<b>3.1800e-003</b>	<b>5.4000e-004</b>	<b>3.7200e-003</b>	<b>3.4000e-004</b>	<b>5.0000e-004</b>	<b>8.4000e-004</b>	<b>0.0000</b>	<b>1.6397</b>	<b>1.6397</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6529</b>

**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	3.2600e-003	9.3000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6838	0.6838	4.0000e-005	0.0000	0.6848
Worker	2.8000e-004	2.3000e-004	2.0600e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5401	0.5401	2.0000e-005	0.0000	0.5405
<b>Total</b>	<b>3.8000e-004</b>	<b>3.4900e-003</b>	<b>2.9900e-003</b>	<b>2.0000e-005</b>	<b>8.5000e-004</b>	<b>1.0000e-005</b>	<b>8.7000e-004</b>	<b>2.3000e-004</b>	<b>1.0000e-005</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>1.2239</b>	<b>1.2239</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.2253</b>



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**3.35 Distribution Facilities 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					1.4300e-003	0.0000	1.4300e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9000e-004	0.0101	0.0134	2.0000e-005		5.4000e-004	5.4000e-004		5.0000e-004	5.0000e-004	0.0000	1.6397	1.6397	5.3000e-004	0.0000	1.6529
<b>Total</b>	<b>9.9000e-004</b>	<b>0.0101</b>	<b>0.0134</b>	<b>2.0000e-005</b>	<b>1.4300e-003</b>	<b>5.4000e-004</b>	<b>1.9700e-003</b>	<b>1.5000e-004</b>	<b>5.0000e-004</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>1.6397</b>	<b>1.6397</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6529</b>

**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	3.2600e-003	9.3000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6838	0.6838	4.0000e-005	0.0000	0.6848
Worker	2.8000e-004	2.3000e-004	2.0600e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5401	0.5401	2.0000e-005	0.0000	0.5405
<b>Total</b>	<b>3.8000e-004</b>	<b>3.4900e-003</b>	<b>2.9900e-003</b>	<b>2.0000e-005</b>	<b>8.5000e-004</b>	<b>1.0000e-005</b>	<b>8.7000e-004</b>	<b>2.3000e-004</b>	<b>1.0000e-005</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>1.2239</b>	<b>1.2239</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.2253</b>

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**3.36 Distribution 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	9.9000e-004	0.0101	0.0134	2.0000e-005		5.4000e-004	5.4000e-004		5.0000e-004	5.0000e-004	0.0000	1.6397	1.6397	5.3000e-004	0.0000	1.6529
<b>Total</b>	<b>9.9000e-004</b>	<b>0.0101</b>	<b>0.0134</b>	<b>2.0000e-005</b>		<b>5.4000e-004</b>	<b>5.4000e-004</b>		<b>5.0000e-004</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.6397</b>	<b>1.6397</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6529</b>

**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-004	6.5100e-003	1.8500e-003	1.0000e-005	3.3000e-004	2.0000e-005	3.4000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.3675	1.3675	8.0000e-005	0.0000	1.3695
Worker	1.1000e-003	9.2000e-004	8.2200e-003	2.0000e-005	2.7700e-003	2.0000e-005	2.7900e-003	7.4000e-004	2.0000e-005	7.5000e-004	0.0000	2.1604	2.1604	6.0000e-005	0.0000	2.1620
<b>Total</b>	<b>1.3000e-003</b>	<b>7.4300e-003</b>	<b>0.0101</b>	<b>3.0000e-005</b>	<b>3.1000e-003</b>	<b>4.0000e-005</b>	<b>3.1300e-003</b>	<b>8.3000e-004</b>	<b>4.0000e-005</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>3.5280</b>	<b>3.5280</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>3.5315</b>

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**3.36 Distribution 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	9.9000e-004	0.0101	0.0134	2.0000e-005		5.4000e-004	5.4000e-004		5.0000e-004	5.0000e-004	0.0000	1.6397	1.6397	5.3000e-004	0.0000	1.6529
<b>Total</b>	<b>9.9000e-004</b>	<b>0.0101</b>	<b>0.0134</b>	<b>2.0000e-005</b>		<b>5.4000e-004</b>	<b>5.4000e-004</b>		<b>5.0000e-004</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.6397</b>	<b>1.6397</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6529</b>

**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-004	6.5100e-003	1.8500e-003	1.0000e-005	3.3000e-004	2.0000e-005	3.4000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.3675	1.3675	8.0000e-005	0.0000	1.3695
Worker	1.1000e-003	9.2000e-004	8.2200e-003	2.0000e-005	2.7700e-003	2.0000e-005	2.7900e-003	7.4000e-004	2.0000e-005	7.5000e-004	0.0000	2.1604	2.1604	6.0000e-005	0.0000	2.1620
<b>Total</b>	<b>1.3000e-003</b>	<b>7.4300e-003</b>	<b>0.0101</b>	<b>3.0000e-005</b>	<b>3.1000e-003</b>	<b>4.0000e-005</b>	<b>3.1300e-003</b>	<b>8.3000e-004</b>	<b>4.0000e-005</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>3.5280</b>	<b>3.5280</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>3.5315</b>

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**3.37 Distribution Ground Grid - 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	8.4000e-004	9.4100e-003	4.2600e-003	1.0000e-005		3.9000e-004	3.9000e-004		3.6000e-004	3.6000e-004	0.0000	1.1407	1.1407	3.7000e-004	0.0000	1.1499
<b>Total</b>	<b>8.4000e-004</b>	<b>9.4100e-003</b>	<b>4.2600e-003</b>	<b>1.0000e-005</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>1.1407</b>	<b>1.1407</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.1499</b>

**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	1.4000e-004	4.3400e-003	1.2400e-003	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.9117	0.9117	5.0000e-005	0.0000	0.9130
Worker	9.2000e-004	7.7000e-004	6.8500e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3200e-003	6.1000e-004	1.0000e-005	6.3000e-004	0.0000	1.8004	1.8004	5.0000e-005	0.0000	1.8016
<b>Total</b>	<b>1.0600e-003</b>	<b>5.1100e-003</b>	<b>8.0900e-003</b>	<b>3.0000e-005</b>	<b>2.5300e-003</b>	<b>2.0000e-005</b>	<b>2.5500e-003</b>	<b>6.7000e-004</b>	<b>2.0000e-005</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>2.7120</b>	<b>2.7120</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>2.7146</b>

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**3.37 Distribution Ground Grid - 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	8.4000e-004	9.4100e-003	4.2600e-003	1.0000e-005		3.9000e-004	3.9000e-004		3.6000e-004	3.6000e-004	0.0000	1.1407	1.1407	3.7000e-004	0.0000	1.1499
<b>Total</b>	<b>8.4000e-004</b>	<b>9.4100e-003</b>	<b>4.2600e-003</b>	<b>1.0000e-005</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>1.1407</b>	<b>1.1407</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.1499</b>

**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	1.4000e-004	4.3400e-003	1.2400e-003	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.9117	0.9117	5.0000e-005	0.0000	0.9130
Worker	9.2000e-004	7.7000e-004	6.8500e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3200e-003	6.1000e-004	1.0000e-005	6.3000e-004	0.0000	1.8004	1.8004	5.0000e-005	0.0000	1.8016
<b>Total</b>	<b>1.0600e-003</b>	<b>5.1100e-003</b>	<b>8.0900e-003</b>	<b>3.0000e-005</b>	<b>2.5300e-003</b>	<b>2.0000e-005</b>	<b>2.5500e-003</b>	<b>6.7000e-004</b>	<b>2.0000e-005</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>2.7120</b>	<b>2.7120</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>2.7146</b>

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**3.38 Distribution 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	3.2600e-003	9.3000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6838	0.6838	4.0000e-005	0.0000	0.6848
Worker	4.6000e-004	3.8000e-004	3.4300e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9002	0.9002	3.0000e-005	0.0000	0.9008
<b>Total</b>	<b>5.6000e-004</b>	<b>3.6400e-003</b>	<b>4.3600e-003</b>	<b>2.0000e-005</b>	<b>1.3200e-003</b>	<b>2.0000e-005</b>	<b>1.3300e-003</b>	<b>3.6000e-004</b>	<b>2.0000e-005</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.5839</b>	<b>1.5839</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.5856</b>

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**3.38 Distribution 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	3.2600e-003	9.3000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6838	0.6838	4.0000e-005	0.0000	0.6848
Worker	4.6000e-004	3.8000e-004	3.4300e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9002	0.9002	3.0000e-005	0.0000	0.9008
<b>Total</b>	<b>5.6000e-004</b>	<b>3.6400e-003</b>	<b>4.3600e-003</b>	<b>2.0000e-005</b>	<b>1.3200e-003</b>	<b>2.0000e-005</b>	<b>1.3300e-003</b>	<b>3.6000e-004</b>	<b>2.0000e-005</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.5839</b>	<b>1.5839</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.5856</b>

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**3.39 Distribution Bank Breaker - 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	8.4000e-004	9.4100e-003	4.2600e-003	1.0000e-005		3.9000e-004	3.9000e-004		3.6000e-004	3.6000e-004	0.0000	1.1407	1.1407	3.7000e-004	0.0000	1.1499
<b>Total</b>	<b>8.4000e-004</b>	<b>9.4100e-003</b>	<b>4.2600e-003</b>	<b>1.0000e-005</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>1.1407</b>	<b>1.1407</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.1499</b>

**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	5.0000e-005	1.6300e-003	4.6000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3419	0.3419	2.0000e-005	0.0000	0.3424
Worker	3.4000e-004	2.9000e-004	2.5700e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6751	0.6751	2.0000e-005	0.0000	0.6756
<b>Total</b>	<b>3.9000e-004</b>	<b>1.9200e-003</b>	<b>3.0300e-003</b>	<b>1.0000e-005</b>	<b>9.5000e-004</b>	<b>1.0000e-005</b>	<b>9.6000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>1.0170</b>	<b>1.0170</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.0180</b>



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**3.39 Distribution Bank Breaker - 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	8.4000e-004	9.4100e-003	4.2600e-003	1.0000e-005		3.9000e-004	3.9000e-004		3.6000e-004	3.6000e-004	0.0000	1.1407	1.1407	3.7000e-004	0.0000	1.1499
<b>Total</b>	<b>8.4000e-004</b>	<b>9.4100e-003</b>	<b>4.2600e-003</b>	<b>1.0000e-005</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>1.1407</b>	<b>1.1407</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.1499</b>

**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	5.0000e-005	1.6300e-003	4.6000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3419	0.3419	2.0000e-005	0.0000	0.3424
Worker	3.4000e-004	2.9000e-004	2.5700e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6751	0.6751	2.0000e-005	0.0000	0.6756
<b>Total</b>	<b>3.9000e-004</b>	<b>1.9200e-003</b>	<b>3.0300e-003</b>	<b>1.0000e-005</b>	<b>9.5000e-004</b>	<b>1.0000e-005</b>	<b>9.6000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>1.0170</b>	<b>1.0170</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.0180</b>

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**3.40 Distribution Feeder Conduit - 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	9.9900e-003	0.0772	0.0670	2.5000e-004		2.8900e-003	2.8900e-003		2.6600e-003	2.6600e-003	0.0000	21.6843	21.6843	7.0100e-003	0.0000	21.8596
<b>Total</b>	<b>9.9900e-003</b>	<b>0.0772</b>	<b>0.0670</b>	<b>2.5000e-004</b>		<b>2.8900e-003</b>	<b>2.8900e-003</b>		<b>2.6600e-003</b>	<b>2.6600e-003</b>	<b>0.0000</b>	<b>21.6843</b>	<b>21.6843</b>	<b>7.0100e-003</b>	<b>0.0000</b>	<b>21.8596</b>

**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	1.5000e-004	4.8800e-003	1.3900e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.0256	1.0256	6.0000e-005	0.0000	1.0271
Worker	1.1000e-003	9.2000e-004	8.2200e-003	2.0000e-005	2.7700e-003	2.0000e-005	2.7900e-003	7.4000e-004	2.0000e-005	7.5000e-004	0.0000	2.1604	2.1604	6.0000e-005	0.0000	2.1620
<b>Total</b>	<b>1.2500e-003</b>	<b>5.8000e-003</b>	<b>9.6100e-003</b>	<b>3.0000e-005</b>	<b>3.0200e-003</b>	<b>3.0000e-005</b>	<b>3.0500e-003</b>	<b>8.1000e-004</b>	<b>3.0000e-005</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>3.1861</b>	<b>3.1861</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>3.1891</b>

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**3.40 Distribution Feeder Conduit - 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	9.9900e-003	0.0772	0.0670	2.5000e-004		2.8900e-003	2.8900e-003		2.6600e-003	2.6600e-003	0.0000	21.6843	21.6843	7.0100e-003	0.0000	21.8596
<b>Total</b>	<b>9.9900e-003</b>	<b>0.0772</b>	<b>0.0670</b>	<b>2.5000e-004</b>		<b>2.8900e-003</b>	<b>2.8900e-003</b>		<b>2.6600e-003</b>	<b>2.6600e-003</b>	<b>0.0000</b>	<b>21.6843</b>	<b>21.6843</b>	<b>7.0100e-003</b>	<b>0.0000</b>	<b>21.8596</b>

**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	1.5000e-004	4.8800e-003	1.3900e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.0256	1.0256	6.0000e-005	0.0000	1.0271
Worker	1.1000e-003	9.2000e-004	8.2200e-003	2.0000e-005	2.7700e-003	2.0000e-005	2.7900e-003	7.4000e-004	2.0000e-005	7.5000e-004	0.0000	2.1604	2.1604	6.0000e-005	0.0000	2.1620
<b>Total</b>	<b>1.2500e-003</b>	<b>5.8000e-003</b>	<b>9.6100e-003</b>	<b>3.0000e-005</b>	<b>3.0200e-003</b>	<b>3.0000e-005</b>	<b>3.0500e-003</b>	<b>8.1000e-004</b>	<b>3.0000e-005</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>3.1861</b>	<b>3.1861</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>3.1891</b>

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**3.41 Distribution Cable Install - 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	1.9800e-003	0.0201	0.0269	4.0000e-005		1.0800e-003	1.0800e-003		9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059
<b>Total</b>	<b>1.9800e-003</b>	<b>0.0201</b>	<b>0.0269</b>	<b>4.0000e-005</b>		<b>1.0800e-003</b>	<b>1.0800e-003</b>		<b>9.9000e-004</b>	<b>9.9000e-004</b>	<b>0.0000</b>	<b>3.2794</b>	<b>3.2794</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>3.3059</b>

**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	3.2600e-003	9.3000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6838	0.6838	4.0000e-005	0.0000	0.6848
Worker	4.6000e-004	3.8000e-004	3.4300e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9002	0.9002	3.0000e-005	0.0000	0.9008
<b>Total</b>	<b>5.6000e-004</b>	<b>3.6400e-003</b>	<b>4.3600e-003</b>	<b>2.0000e-005</b>	<b>1.3200e-003</b>	<b>2.0000e-005</b>	<b>1.3300e-003</b>	<b>3.6000e-004</b>	<b>2.0000e-005</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.5839</b>	<b>1.5839</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.5856</b>

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**3.41 Distribution Cable Install - 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	1.9800e-003	0.0201	0.0269	4.0000e-005		1.0800e-003	1.0800e-003		9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059
<b>Total</b>	<b>1.9800e-003</b>	<b>0.0201</b>	<b>0.0269</b>	<b>4.0000e-005</b>		<b>1.0800e-003</b>	<b>1.0800e-003</b>		<b>9.9000e-004</b>	<b>9.9000e-004</b>	<b>0.0000</b>	<b>3.2794</b>	<b>3.2794</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>3.3059</b>

**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	3.2600e-003	9.3000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6838	0.6838	4.0000e-005	0.0000	0.6848
Worker	4.6000e-004	3.8000e-004	3.4300e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9002	0.9002	3.0000e-005	0.0000	0.9008
<b>Total</b>	<b>5.6000e-004</b>	<b>3.6400e-003</b>	<b>4.3600e-003</b>	<b>2.0000e-005</b>	<b>1.3200e-003</b>	<b>2.0000e-005</b>	<b>1.3300e-003</b>	<b>3.6000e-004</b>	<b>2.0000e-005</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.5839</b>	<b>1.5839</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.5856</b>

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**3.42 Distribution Testing - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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-005	1.0900e-003	3.1000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2279	0.2279	1.0000e-005	0.0000	0.2283
Worker	2.8000e-004	2.3000e-004	2.0600e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5401	0.5401	2.0000e-005	0.0000	0.5405
<b>Total</b>	<b>3.1000e-004</b>	<b>1.3200e-003</b>	<b>2.3700e-003</b>	<b>1.0000e-005</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>7.6000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.7680</b>	<b>0.7680</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7687</b>

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**3.42 Distribution Testing - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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-005	1.0900e-003	3.1000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2279	0.2279	1.0000e-005	0.0000	0.2283
Worker	2.8000e-004	2.3000e-004	2.0600e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5401	0.5401	2.0000e-005	0.0000	0.5405
<b>Total</b>	<b>3.1000e-004</b>	<b>1.3200e-003</b>	<b>2.3700e-003</b>	<b>1.0000e-005</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>7.6000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.7680</b>	<b>0.7680</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7687</b>

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**3.43 Distribution Cleanup Restore - 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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9000e-004	5.0300e-003	6.7100e-003	1.0000e-005		2.7000e-004	2.7000e-004		2.5000e-004	2.5000e-004	0.0000	0.8198	0.8198	2.7000e-004	0.0000	0.8265
<b>Total</b>	<b>4.9000e-004</b>	<b>5.0300e-003</b>	<b>6.7100e-003</b>	<b>1.0000e-005</b>	<b>3.1800e-003</b>	<b>2.7000e-004</b>	<b>3.4500e-003</b>	<b>3.4000e-004</b>	<b>2.5000e-004</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>0.8198</b>	<b>0.8198</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8265</b>

**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	3.2600e-003	9.3000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6838	0.6838	4.0000e-005	0.0000	0.6848
Worker	1.4000e-004	1.2000e-004	1.0300e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2701	0.2701	1.0000e-005	0.0000	0.2702
<b>Total</b>	<b>2.4000e-004</b>	<b>3.3800e-003</b>	<b>1.9600e-003</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>1.0000e-005</b>	<b>5.2000e-004</b>	<b>1.4000e-004</b>	<b>1.0000e-005</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.9538</b>	<b>0.9538</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.9550</b>



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**3.43 Distribution Cleanup Restore - 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					1.4300e-003	0.0000	1.4300e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9000e-004	5.0300e-003	6.7100e-003	1.0000e-005		2.7000e-004	2.7000e-004		2.5000e-004	2.5000e-004	0.0000	0.8198	0.8198	2.7000e-004	0.0000	0.8265
<b>Total</b>	<b>4.9000e-004</b>	<b>5.0300e-003</b>	<b>6.7100e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>2.7000e-004</b>	<b>1.7000e-003</b>	<b>1.5000e-004</b>	<b>2.5000e-004</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>0.8198</b>	<b>0.8198</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8265</b>

**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	3.2600e-003	9.3000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6838	0.6838	4.0000e-005	0.0000	0.6848
Worker	1.4000e-004	1.2000e-004	1.0300e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2701	0.2701	1.0000e-005	0.0000	0.2702
<b>Total</b>	<b>2.4000e-004</b>	<b>3.3800e-003</b>	<b>1.9600e-003</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>1.0000e-005</b>	<b>5.2000e-004</b>	<b>1.4000e-004</b>	<b>1.0000e-005</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.9538</b>	<b>0.9538</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.9550</b>

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**3.44 70kV Power Line Conductor Install - 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	0.0625	0.5611	0.4039	1.2900e-003		0.0234	0.0234		0.0216	0.0216	0.0000	113.2627	113.2627	0.0366	0.0000	114.1785
<b>Total</b>	<b>0.0625</b>	<b>0.5611</b>	<b>0.4039</b>	<b>1.2900e-003</b>		<b>0.0234</b>	<b>0.0234</b>		<b>0.0216</b>	<b>0.0216</b>	<b>0.0000</b>	<b>113.2627</b>	<b>113.2627</b>	<b>0.0366</b>	<b>0.0000</b>	<b>114.1785</b>

**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	0.0217	6.1800e-003	5.0000e-005	1.0900e-003	6.0000e-005	1.1500e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	4.5584	4.5584	2.7000e-004	0.0000	4.5651
Worker	3.3100e-003	2.7600e-003	0.0247	7.0000e-005	8.3200e-003	5.0000e-005	8.3700e-003	2.2100e-003	5.0000e-005	2.2600e-003	0.0000	6.4813	6.4813	1.8000e-004	0.0000	6.4859
<b>Total</b>	<b>3.9900e-003</b>	<b>0.0245</b>	<b>0.0309</b>	<b>1.2000e-004</b>	<b>9.4100e-003</b>	<b>1.1000e-004</b>	<b>9.5200e-003</b>	<b>2.5300e-003</b>	<b>1.0000e-004</b>	<b>2.6300e-003</b>	<b>0.0000</b>	<b>11.0397</b>	<b>11.0397</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>11.0509</b>

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**3.44 70kV Power Line Conductor Install - 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	0.0625	0.5611	0.4039	1.2900e-003		0.0234	0.0234		0.0216	0.0216	0.0000	113.2626	113.2626	0.0366	0.0000	114.1784
<b>Total</b>	<b>0.0625</b>	<b>0.5611</b>	<b>0.4039</b>	<b>1.2900e-003</b>		<b>0.0234</b>	<b>0.0234</b>		<b>0.0216</b>	<b>0.0216</b>	<b>0.0000</b>	<b>113.2626</b>	<b>113.2626</b>	<b>0.0366</b>	<b>0.0000</b>	<b>114.1784</b>

**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	0.0217	6.1800e-003	5.0000e-005	1.0900e-003	6.0000e-005	1.1500e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	4.5584	4.5584	2.7000e-004	0.0000	4.5651
Worker	3.3100e-003	2.7600e-003	0.0247	7.0000e-005	8.3200e-003	5.0000e-005	8.3700e-003	2.2100e-003	5.0000e-005	2.2600e-003	0.0000	6.4813	6.4813	1.8000e-004	0.0000	6.4859
<b>Total</b>	<b>3.9900e-003</b>	<b>0.0245</b>	<b>0.0309</b>	<b>1.2000e-004</b>	<b>9.4100e-003</b>	<b>1.1000e-004</b>	<b>9.5200e-003</b>	<b>2.5300e-003</b>	<b>1.0000e-004</b>	<b>2.6300e-003</b>	<b>0.0000</b>	<b>11.0397</b>	<b>11.0397</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>11.0509</b>

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**3.45 70kV Power Line Cleanup Restore - 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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-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
<b>Total</b>	<b>2.3600e-003</b>	<b>0.0287</b>	<b>0.0145</b>	<b>4.0000e-005</b>	<b>3.1800e-003</b>	<b>1.0200e-003</b>	<b>4.2000e-003</b>	<b>3.4000e-004</b>	<b>9.4000e-004</b>	<b>1.2800e-003</b>	<b>0.0000</b>	<b>3.4378</b>	<b>3.4378</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.4656</b>

**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	3.8000e-003	1.0800e-003	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7977	0.7977	5.0000e-005	0.0000	0.7989
Worker	2.8000e-004	2.3000e-004	2.0600e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5401	0.5401	2.0000e-005	0.0000	0.5405
<b>Total</b>	<b>4.0000e-004</b>	<b>4.0300e-003</b>	<b>3.1400e-003</b>	<b>2.0000e-005</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>9.0000e-004</b>	<b>2.4000e-004</b>	<b>1.0000e-005</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>1.3378</b>	<b>1.3378</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.3394</b>

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**3.45 70kV Power Line Cleanup Restore - 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					1.4300e-003	0.0000	1.4300e-003	1.5000e-004	0.0000	1.5000e-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
<b>Total</b>	<b>2.3600e-003</b>	<b>0.0287</b>	<b>0.0145</b>	<b>4.0000e-005</b>	<b>1.4300e-003</b>	<b>1.0200e-003</b>	<b>2.4500e-003</b>	<b>1.5000e-004</b>	<b>9.4000e-004</b>	<b>1.0900e-003</b>	<b>0.0000</b>	<b>3.4378</b>	<b>3.4378</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.4655</b>

**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	3.8000e-003	1.0800e-003	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7977	0.7977	5.0000e-005	0.0000	0.7989
Worker	2.8000e-004	2.3000e-004	2.0600e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5401	0.5401	2.0000e-005	0.0000	0.5405
<b>Total</b>	<b>4.0000e-004</b>	<b>4.0300e-003</b>	<b>3.1400e-003</b>	<b>2.0000e-005</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>9.0000e-004</b>	<b>2.4000e-004</b>	<b>1.0000e-005</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>1.3378</b>	<b>1.3378</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.3394</b>

**4.0 Operational Detail - Mobile**



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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000





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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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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
Category	tons/yr										MT/yr					
Mitigated	20.3125	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
Unmitigated	20.3125	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	20.3125					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
<b>Total</b>	<b>20.3125</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	20.3125					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
<b>Total</b>	<b>20.3125</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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

**Estrella Substation and Paso Robles Area Reinforcement Project**  
**San Luis Obispo County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	119.40	5,201,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.2	<b>Precipitation Freq (Days)</b>	44
<b>Climate Zone</b>	3			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	641.35	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Current Temp. Disturbance Area Total from Project Description

Construction Phase - Dates entered based on the specific number of days from the PEA CALEEMOD input file, with consideration of the specific months during which construction is likely to occur as indicated in the Project Description of the EIR.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.



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

Off-road Equipment - Values based on PEA and Project Description.  
Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description. Helicopter emissions modeled separately and not included here.

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values Based on PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

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

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description.

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Distribution

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description. Helicopter emissions modeled outside of CalEEMod and not included here.

Off-road Equipment - Values based on PEA and Project Description. Helicopter emissions calculated separately and not included here.

Off-road Equipment - Based on values in PEA and Project Description

Trips and VMT - Values based on PEA and Project Description

Grading - Waiting on temp. disturbance area and material import/export values for some phases

Area Coating - No Architectural Coating

Water And Wastewater - No Water Use

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	2600500	0
tblAreaCoating	Area_Nonresidential_Interior	7801500	0
tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	36.00
tblConstructionPhase	NumDays	3,100.00	120.00
tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	24.00
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	6.00

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

tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	18.00
tblConstructionPhase	NumDays	3,100.00	18.00
tblConstructionPhase	NumDays	3,100.00	30.00
tblConstructionPhase	NumDays	3,100.00	12.00
tblConstructionPhase	NumDays	3,100.00	12.00
tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	12.00
tblConstructionPhase	NumDays	3,100.00	30.00
tblConstructionPhase	NumDays	3,100.00	196.00
tblConstructionPhase	NumDays	3,100.00	24.00
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	36.00
tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	48.00
tblConstructionPhase	NumDays	3,100.00	12.00
tblConstructionPhase	NumDays	3,100.00	144.00
tblConstructionPhase	NumDays	3,100.00	48.00
tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	310.00	12.00
tblConstructionPhase	NumDays	120.00	24.00
tblConstructionPhase	NumDays	120.00	6.00
tblConstructionPhase	NumDays	120.00	12.00
tblConstructionPhase	NumDays	120.00	18.00



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

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
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFleetMix	HHD	0.02	0.00

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tblFleetMix	LDA	0.59	0.00
tblFleetMix	LDT1	0.03	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.7480e-003	0.00
tblFleetMix	MCY	4.7760e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	1.1920e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.3160e-003	0.00
tblFleetMix	SBUS	7.5800e-004	0.00
tblFleetMix	UBUS	1.1630e-003	0.00
tblGrading	AcresOfGrading	9.00	12.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	AcresOfGrading	0.00	9.00
tblGrading	AcresOfGrading	9.00	12.00
tblGrading	AcresOfGrading	18.00	12.00
tblGrading	AcresOfGrading	4.50	6.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	AcresOfGrading	27.00	0.50
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	AcresOfGrading	4.50	6.00
tblGrading	AcresOfGrading	3.00	6.00
tblGrading	MaterialImported	0.00	6,050.00
tblGrading	MaterialImported	0.00	6,050.00
tblLandUse	LandUseSquareFeet	0.00	5,201,000.00
tblLandUse	LotAcreage	0.00	119.40

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tblOffRoadEquipment	HorsePower	65.00	231.00
tblOffRoadEquipment	LoadFactor	0.37	0.29
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00



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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

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tblOffRoadEquipment	UsageHours	8.00	6.00





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

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tblTripsAndVMT	VendorTripNumber	852.00	29.00

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

tblTripsAndVMT	VendorTripNumber	852.00	11.00
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Estrella Substation and Paso Robles Area Reinforcement Project - San Luis Obispo County, Summer

tblTripsAndVMT	VendorTripNumber	852.00	3.00
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tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
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tblTripsAndVMT	WorkerTripNumber	2,184.00	16.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
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tblTripsAndVMT	WorkerTripNumber	2,184.00	16.00
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tblTripsAndVMT	WorkerTripNumber	2,184.00	12.00



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

tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
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tblTripsAndVMT	WorkerTripNumber	5.00	12.00
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tblTripsAndVMT	WorkerTripNumber	25.00	20.00
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tblTripsAndVMT	WorkerTripNumber	2,184.00	6.00
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tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	40.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	20.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	12.00

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

tblVehicleTrips	CC_TTP	0.00	28.00
tblVehicleTrips	CNW_TTP	0.00	13.00
tblVehicleTrips	CW_TTP	0.00	59.00
tblVehicleTrips	DV_TP	0.00	19.00
tblVehicleTrips	PB_TP	0.00	2.00
tblVehicleTrips	PR_TP	0.00	79.00

**2.0 Emissions Summary**

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	111.3014	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
<b>Total</b>	<b>111.3014</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.3000e-004</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	111.3014	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
<b>Total</b>	<b>111.3014</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.3000e-004</b>

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

	ROG	NOx	CO	SO2	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	Reconductoring Site Prep	Site Preparation	1/1/2021	1/28/2021	6	24	Reconductor Site Prep
2	230kv Sub Access Road	Grading	1/1/2021	1/14/2021	6	12	230 Sub Access Road
3	230kV Transmission Site Work Prep	Site Preparation	1/5/2021	2/1/2021	6	24	230 TRANS Site Work Prep
4	230kV Sub Site Work Area	Site Preparation	1/15/2021	2/4/2021	6	18	230 Sub Site Work Area
5	70kV Substation Site Work Area Prep Mobil	Site Preparation	1/25/2021	2/6/2021	6	12	70 Sub Site Work Area
6	230kV Sub Fence Gate Install	Building Construction	2/1/2021	2/13/2021	6	12	230 Sub Fence Gate
7	Reconductoring Pole Install	Building Construction	2/1/2021	7/17/2021	6	144	Reconductor Pole Install
8	230kV Transmission Foundation Tower	Building Construction	2/2/2021	3/29/2021	6	48	230 TRANS Foundation Tower
9	70kV Substation Foundation Construction	Building Construction	2/5/2021	3/4/2021	6	24	70 Sub Foundation Construction
10	70kV Substation Ground Grid	Building Construction	2/5/2021	3/4/2021	6	24	70 Sub Ground Grid
11	230kV Sub Foundation Construction	Building Construction	2/8/2021	3/20/2021	6	36	230 Sub Foundation
12	Reconductoring Conductor Install	Building Construction	3/1/2021	7/17/2021	6	120	Reconductor Conductor Install
13	70kV Sub Steel Bus Erection	Building Construction	3/5/2021	4/1/2021	6	24	70 Sub Steel Bus
14	230kV Sub Ground Grid	Building Construction	3/10/2021	4/6/2021	6	24	230 Sub Ground Grid
15	230kV Transmission Conductor	Building Construction	4/1/2021	4/28/2021	6	24	230 TRANS Conductor
16	70 kV Substation Equip Delivery	Building Construction	4/1/2021	4/21/2021	6	18	70 Sub Equip Delivery
17	70kV Substation Control Enclosure	Building Construction	4/1/2021	4/7/2021	6	6	70 Sub Control Enclosure
18	230kV Sub Steel Bus	Building Construction	4/2/2021	4/29/2021	6	24	230 Sub Steel Bus

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

19	230kV Sub Install Yard Rock	Building Construction	4/16/2021	5/6/2021	6	18	230 Sub Install Yard Rock
20	70kV Substation Cable Installation	Building Construction	4/22/2021	5/12/2021	6	18	70 Sub Cable Install
21	230kV Sub Transformer	Building Construction	4/23/2021	5/27/2021	6	30	230 Sub Transformer
22	230kV Transmission Cleanup Restore	Site Preparation	5/1/2021	5/7/2021	6	6	230 TRANS Cleanup Restore
23	230kV Sub Control Enclosure Delivery	Building Construction	5/1/2021	5/14/2021	6	12	230 Sub Control Enclosure
24	70kV Substation Install Yard Rock	Building Construction	5/1/2021	5/14/2021	6	12	70 Sub Install Yard Rock
25	230kV Sub Remaining Equipment Delivery	Building Construction	5/8/2021	6/4/2021	6	24	230 Sub Remaining Equipment
26	70kV Substation Cleanup Restore	Site Preparation	5/15/2021	5/28/2021	6	12	70 Sub Cleanup Restore
27	230kV Sub Cable Install Termination	Building Construction	5/22/2021	6/4/2021	6	12	230 Sub Cable Install Term
28	70kV Substation Testing Commissioning	Site Preparation	6/1/2021	6/21/2021	6	18	70 Sub Testing Commissioning
29	230kV Sub Testing and Commissioning	Building Construction	6/1/2021	7/5/2021	6	30	230 Sub Testing
30	230kV Substation Cleanup Restore	Site Preparation	7/1/2021	7/21/2021	6	18	230 Sub Cleanup Restore
31	70kV Power Line Site Work Prep	Site Preparation	8/1/2021	8/28/2021	6	24	70 POWER Site Work Prep
32	Reconductoring Cleanup Restore	Site Preparation	8/1/2021	8/14/2021	6	12	Reconductor Cleanup Restore
33	70kV Power Line Pole Tower Install	Building Construction	9/1/2021	4/16/2022	6	196	70 POWER Pole Tower Install
34	Distribution Facilities Mobilization	Site Preparation	1/1/2022	1/14/2022	6	12	Distribution Facilities Mobilization
35	Distribution Foundation Construction	Building Construction	1/6/2022	2/2/2022	6	24	Distribution Foundation Construct
36	Distribution Ground Grid	Building Construction	1/20/2022	2/16/2022	6	24	Distribution Ground Grid
37	Distribution Steel Bus Erection	Building Construction	2/9/2022	3/8/2022	6	24	Distribution Steel Bus Erection
38	Distribution Bank Breaker	Building Construction	2/16/2022	3/8/2022	6	18	Distribution Bank Breaker
39	Distribution Feeder Conduit	Building Construction	2/23/2022	4/5/2022	6	36	Distribution Feeder Conduit
40	Distribution Cable Install	Building Construction	3/15/2022	4/11/2022	6	24	Distribution Cable Install
41	Distribution Testing	Building Construction	4/1/2022	4/28/2022	6	24	Distribution Testing
42	Distribution Cleanup Restore	Site Preparation	4/29/2022	5/12/2022	6	12	Distribution Cleanup Restore
43	70kV Power Line Conductor Install	Building Construction	5/1/2022	6/25/2022	6	48	70 POWER Conductor Install

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

44	70kV Power Line Cleanup Restore	Site Preparation	6/17/2022	6/30/2022	6	12	70 POWER Cleanup Restore
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**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
Reconductoring Site Prep	Graders	1	6.00	187	0.41
Reconductoring Site Prep	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kv Sub Access Road	Concrete/Industrial Saws	0	8.00	81	0.73
230kv Sub Access Road	Rubber Tired Dozers	0	1.00	247	0.40
230kv Sub Access Road	Tractors/Loaders/Backhoes	2	8.00	97	0.37
230kV Transmission Site Work Prep	Graders	1	6.00	187	0.41
230kV Transmission Site Work Prep	Off-Highway Trucks	0	10.00	402	0.38
230kV Transmission Site Work Prep	Rollers	0	8.00	80	0.38
230kV Transmission Site Work Prep	Rubber Tired Dozers	0	8.00	247	0.40
230kV Transmission Site Work Prep	Scrapers	0	8.00	367	0.48
230kV Transmission Site Work Prep	Tractors/Loaders/Backhoes	1	6.00	97	0.37
230kV Sub Site Work Area	Graders	1	8.00	187	0.41
230kV Sub Site Work Area	Graders	0	8.00	187	0.41
230kV Sub Site Work Area	Off-Highway Trucks	4	10.00	402	0.38
230kV Sub Site Work Area	Rollers	2	8.00	80	0.38
230kV Sub Site Work Area	Rubber Tired Dozers	1	8.00	247	0.40
230kV Sub Site Work Area	Scrapers	1	8.00	367	0.48

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230kV Sub Site Work Area	Tractors/Loaders/Backhoes	1	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Site Work Area Prep Mobil	Graders	1	4.00	187	0.41
70kV Substation Site Work Area Prep Mobil	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kV Sub Fence Gate Install	Cranes	0	4.00	231	0.29
230kV Sub Fence Gate Install	Forklifts	0	6.00	89	0.20
230kV Sub Fence Gate Install	Rubber Tired Dozers	0	1.00	247	0.40
230kV Sub Fence Gate Install	Skid Steer Loaders	1	4.00	65	0.37
230kV Sub Fence Gate Install	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Reconductoring Pole Install	Bore/Drill Rigs	1	6.00	221	0.50
Reconductoring Pole Install	Cranes	3	6.00	231	0.29
Reconductoring Pole Install	Cranes	1	1.00	231	0.29
Reconductoring Pole Install	Off-Highway Trucks	2	3.00	402	0.38
Reconductoring Pole Install	Off-Highway Trucks	2	2.00	402	0.38
230kV Transmission Foundation Tower	Bore/Drill Rigs	1	1.00	221	0.50
230kV Transmission Foundation Tower	Cranes	3	5.30	231	0.29
230kV Transmission Foundation Tower	Forklifts	3	2.60	89	0.20
230kV Transmission Foundation Tower	Off-Highway Trucks	2	3.50	402	0.38
230kV Transmission Foundation Tower	Off-Highway Trucks	2	2.60	402	0.38
230kV Transmission Foundation Tower	Tractors/Loaders/Backhoes	1	0.50	97	0.37
70kV Substation Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
70kV Substation Foundation Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
70kV Substation Foundation Construction	Trenchers	1	8.00	78	0.50



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70kV Substation Ground Grid	Cranes	0	4.00	231	0.29
70kV Substation Ground Grid	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70kV Substation Ground Grid	Trenchers	1	6.00	78	0.50
230kV Sub Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
230kV Sub Foundation Construction	Cranes	1	5.00	231	0.29
230kV Sub Foundation Construction	Forklifts	0	6.00	89	0.20
230kV Sub Foundation Construction	Forklifts	0	6.00	89	0.20
230kV Sub Foundation Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Foundation Construction	Tractors/Loaders/Backhoes	1	5.00	97	0.37
Reconductoring Conductor Install	Cranes	2	8.00	231	0.29
Reconductoring Conductor Install	Forklifts	1	3.00	89	0.20
Reconductoring Conductor Install	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	2	4.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	1	6.00	402	0.38
Reconductoring Conductor Install	Other General Industrial Equipment	2	6.00	88	0.34
70kV Sub Steel Bus Erection	Aerial Lifts	2	8.00	63	0.31
70kV Sub Steel Bus Erection	Off-Highway Trucks	2	6.00	402	0.38
70kV Sub Steel Bus Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Ground Grid	Forklifts	0	6.00	89	0.20
230kV Sub Ground Grid	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Ground Grid	Trenchers	1	8.00	78	0.50
230kV Transmission Conductor	Cranes	3	6.00	231	0.29
230kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
230kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
70 kV Substation Equip Delivery	Aerial Lifts	2	4.00	63	0.31
70 kV Substation Equip Delivery	Off-Highway Trucks	1	5.30	402	0.38

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70 kV Substation Equip Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Control Enclosure	Cranes	0	4.00	231	0.29
70kV Substation Control Enclosure	Forklifts	0	6.00	89	0.20
70kV Substation Control Enclosure	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Steel Bus	Aerial Lifts	1	6.00	63	0.31
230kV Sub Steel Bus	Off-Highway Trucks	1	8.00	402	0.38
230kV Sub Steel Bus	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Install Yard Rock	Cranes	0	4.00	231	0.29
230kV Sub Install Yard Rock	Cranes	0	4.00	231	0.29
230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Skid Steer Loaders	1	10.00	65	0.37
230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Cable Installation	Cranes	0	4.00	231	0.29
70kV Substation Cable Installation	Forklifts	0	6.00	89	0.20
70kV Substation Cable Installation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Cranes	1	6.00	231	0.29
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Generator Sets	1	5.00	84	0.74
230kV Sub Transformer	Off-Highway Trucks	2	10.00	402	0.38
230kV Sub Transformer	Off-Highway Trucks	1	4.80	402	0.38

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230kV Sub Transformer	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Transmission Cleanup Restore	Graders	1	8.00	187	0.41
230kV Transmission Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kV Sub Control Enclosure Delivery	Cranes	1	6.00	231	0.29
230kV Sub Control Enclosure Delivery	Forklifts	0	6.00	89	0.20
230kV Sub Control Enclosure Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Install Yard Rock	Forklifts	0	6.00	89	0.20
70kV Substation Install Yard Rock	Skid Steer Loaders	1	8.00	231	0.29
70kV Substation Install Yard Rock	Tractors/Loaders/Backhoes	1	8.00	97	0.37
230kV Sub Remaining Equipment Delivery	Forklifts	0	6.00	89	0.20
230kV Sub Remaining Equipment Delivery	Off-Highway Trucks	1	6.00	402	0.38
230kV Sub Remaining Equipment Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Cleanup Restore	Graders	0	8.00	187	0.41
70kV Substation Cleanup Restore	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Cable Install Termination	Aerial Lifts	1	8.00	63	0.31
230kV Sub Cable Install Termination	Forklifts	0	6.00	89	0.20
230kV Sub Cable Install Termination	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Testing Commissioning	Graders	0	8.00	187	0.41
70kV Substation Testing Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Cement and Mortar Mixers	0	6.00	9	0.56
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29

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230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Pavers	0	7.00	130	0.42
230kV Sub Testing and Commissioning	Rollers	0	7.00	80	0.38
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	7.00	97	0.37
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Substation Cleanup Restore	Other General Industrial Equipment	1	6.00	88	0.34
230kV Substation Cleanup Restore	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70kV Power Line Site Work Prep	Graders	2	6.00	187	0.41
70kV Power Line Site Work Prep	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Reconductoring Cleanup Restore	Graders	1	6.00	187	0.41
Reconductoring Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70kV Power Line Pole Tower Install	Cranes	1	4.00	231	0.29
70kV Power Line Pole Tower Install	Off-Highway Trucks	7	4.00	402	0.38
70kV Power Line Pole Tower Install	Tractors/Loaders/Backhoes	2	4.00	97	0.37
Distribution Facilities Mobilization	Graders	0	8.00	187	0.41
Distribution Facilities Mobilization	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Distribution Foundation Construction	Cranes	0	4.00	231	0.29
Distribution Foundation Construction	Forklifts	0	6.00	89	0.20
Distribution Foundation Construction	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Distribution Ground Grid	Cranes	1	1.50	231	0.29

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

Distribution Ground Grid	Forklifts	0	6.00	89	0.20
Distribution Ground Grid	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Steel Bus Erection	Cranes	0	4.00	231	0.29
Distribution Steel Bus Erection	Forklifts	0	6.00	89	0.20
Distribution Steel Bus Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Bank Breaker	Cranes	1	2.00	231	0.29
Distribution Bank Breaker	Forklifts	0	6.00	89	0.20
Distribution Bank Breaker	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Feeder Conduit	Forklifts	0	6.00	89	0.20
Distribution Feeder Conduit	Off-Highway Trucks	2	4.00	402	0.38
Distribution Feeder Conduit	Tractors/Loaders/Backhoes	1	1.30	97	0.37
Distribution Cable Install	Cranes	0	4.00	231	0.29
Distribution Cable Install	Forklifts	0	6.00	89	0.20
Distribution Cable Install	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Distribution Testing	Cranes	0	4.00	231	0.29
Distribution Testing	Forklifts	0	6.00	89	0.20
Distribution Testing	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Cleanup Restore	Graders	0	8.00	187	0.41
Distribution Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70kV Power Line Conductor Install	Cranes	3	6.00	231	0.29
70kV Power Line Conductor Install	Forklifts	1	3.00	89	0.20
70kV Power Line Conductor Install	Off-Highway Trucks	3	4.00	402	0.38
70kV Power Line Conductor Install	Off-Highway Trucks	1	6.00	402	0.38
70kV Power Line Conductor Install	Off-Highway Trucks	2	2.00	402	0.38
70kV Power Line Conductor Install	Other General Industrial Equipment	1	6.00	88	0.34
70kV Power Line Conductor Install	Other General Industrial Equipment	1	6.00	88	0.34
70kV Power Line Cleanup Restore	Graders	1	6.00	187	0.41

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70kV Power Line Cleanup Restore	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
Reconductoring Site Prep	2	12.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kv Sub Access Road	2	20.00	33.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Site Work Prep	2	16.00	11.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Site Work Area	10	20.00	11.00	756.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Site Work Area Prep Mobil	2	12.00	6.00	756.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Fence Gate Install	1	10.00	30.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Pole Install	9	40.00	13.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Foundation Tower	12	20.00	12.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Foundation Constructi	3	12.00	13.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Ground Grid	2	8.00	9.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Foundation Constructi	3	24.00	31.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Conductor Install	12	30.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Sub Steel Bus Erection	4	16.00	9.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Ground Grid	1	10.00	29.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Conductor	7	30.00	11.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70 kV Substation Equip Delivery	3	12.00	12.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Control Enclosure	0	10.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Steel Bus	2	10.00	30.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Install Yard Rock	1	16.00	45.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Cable Installation	0	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Transformer	6	16.00	30.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Cleanup Restore	2	10.00	9.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

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230kV Sub Control Enclosure Delivery	1	12.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Install Yard Book	2	12.00	16.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Remaining Equipment Delivery	1	10.00	28.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Cleanup Pastors	0	8.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Cable Install Termination	1	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Testing Commissioning	0	8.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Testing and Commissioning	0	10.00	26.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Substation Cleanup Pastors	2	6.00	29.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Site Work Prep	3	12.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Cleanup Pastors	2	12.00	5.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Pole Tower Install	10	42.00	15.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Facilities Mobilization	1	12.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Foundation Construction	1	24.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Ground Grid	1	20.00	4.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Steel Bus Erection	0	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Bank Breaker	1	10.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Feeder Conduit	3	16.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Cable Install	1	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Testing	0	6.00	1.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Cleanup Pastors	1	6.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Conductor Install	12	36.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Cleanup Pastors	2	12.00	7.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

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**3.2 Reconductoring Site Prep - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.4334	5.3913	2.4555	6.5200e-003		0.1967	0.1967		0.1809	0.1809		631.7131	631.7131	0.2043		636.8208
<b>Total</b>	<b>0.4334</b>	<b>5.3913</b>	<b>2.4555</b>	<b>6.5200e-003</b>	<b>0.5303</b>	<b>0.1967</b>	<b>0.7269</b>	<b>0.0573</b>	<b>0.1809</b>	<b>0.2382</b>		<b>631.7131</b>	<b>631.7131</b>	<b>0.2043</b>		<b>636.8208</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0296	0.9452	0.2608	2.0000e-003	0.0464	2.6500e-003	0.0491	0.0134	2.5400e-003	0.0159		213.5564	213.5564	0.0120		213.8572
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.0774</b>	<b>0.9835</b>	<b>0.6476</b>	<b>3.0800e-003</b>	<b>0.1651</b>	<b>3.3800e-003</b>	<b>0.1685</b>	<b>0.0448</b>	<b>3.2200e-003</b>	<b>0.0481</b>		<b>320.6447</b>	<b>320.6447</b>	<b>0.0153</b>		<b>321.0259</b>



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**3.2 Reconductoring Site Prep - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.4334	5.3913	2.4555	6.5200e-003		0.1967	0.1967		0.1809	0.1809	0.0000	631.7131	631.7131	0.2043		636.8208
<b>Total</b>	<b>0.4334</b>	<b>5.3913</b>	<b>2.4555</b>	<b>6.5200e-003</b>	<b>0.2386</b>	<b>0.1967</b>	<b>0.4353</b>	<b>0.0258</b>	<b>0.1809</b>	<b>0.2067</b>	<b>0.0000</b>	<b>631.7131</b>	<b>631.7131</b>	<b>0.2043</b>		<b>636.8208</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0296	0.9452	0.2608	2.0000e-003	0.0464	2.6500e-003	0.0491	0.0134	2.5400e-003	0.0159		213.5564	213.5564	0.0120		213.8572
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.0774</b>	<b>0.9835</b>	<b>0.6476</b>	<b>3.0800e-003</b>	<b>0.1651</b>	<b>3.3800e-003</b>	<b>0.1685</b>	<b>0.0448</b>	<b>3.2200e-003</b>	<b>0.0481</b>		<b>320.6447</b>	<b>320.6447</b>	<b>0.0153</b>		<b>321.0259</b>

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

**3.3 230kv Sub Access Road - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3746	3.7916	4.5205	6.2100e-003		0.2236	0.2236		0.2057	0.2057		601.8002	601.8002	0.1946		606.6660
<b>Total</b>	<b>0.3746</b>	<b>3.7916</b>	<b>4.5205</b>	<b>6.2100e-003</b>	<b>0.0000</b>	<b>0.2236</b>	<b>0.2236</b>	<b>0.0000</b>	<b>0.2057</b>	<b>0.2057</b>		<b>601.8002</b>	<b>601.8002</b>	<b>0.1946</b>		<b>606.6660</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0978	3.1192	0.8607	6.6100e-003	0.1532	8.7500e-003	0.1620	0.0441	8.3700e-003	0.0525		704.7362	704.7362	0.0397		705.7289
Worker	0.0797	0.0638	0.6447	1.7900e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		178.4805	178.4805	5.3600e-003		178.6144
<b>Total</b>	<b>0.1775</b>	<b>3.1830</b>	<b>1.5054</b>	<b>8.4000e-003</b>	<b>0.3509</b>	<b>9.9700e-003</b>	<b>0.3609</b>	<b>0.0966</b>	<b>9.5000e-003</b>	<b>0.1061</b>		<b>883.2166</b>	<b>883.2166</b>	<b>0.0451</b>		<b>884.3433</b>

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

**3.3 230kv Sub Access Road - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3746	3.7916	4.5205	6.2100e-003		0.2236	0.2236		0.2057	0.2057	0.0000	601.8002	601.8002	0.1946		606.6660
<b>Total</b>	<b>0.3746</b>	<b>3.7916</b>	<b>4.5205</b>	<b>6.2100e-003</b>	<b>0.0000</b>	<b>0.2236</b>	<b>0.2236</b>	<b>0.0000</b>	<b>0.2057</b>	<b>0.2057</b>	<b>0.0000</b>	<b>601.8002</b>	<b>601.8002</b>	<b>0.1946</b>		<b>606.6660</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0978	3.1192	0.8607	6.6100e-003	0.1532	8.7500e-003	0.1620	0.0441	8.3700e-003	0.0525		704.7362	704.7362	0.0397		705.7289
Worker	0.0797	0.0638	0.6447	1.7900e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		178.4805	178.4805	5.3600e-003		178.6144
<b>Total</b>	<b>0.1775</b>	<b>3.1830</b>	<b>1.5054</b>	<b>8.4000e-003</b>	<b>0.3509</b>	<b>9.9700e-003</b>	<b>0.3609</b>	<b>0.0966</b>	<b>9.5000e-003</b>	<b>0.1061</b>		<b>883.2166</b>	<b>883.2166</b>	<b>0.0451</b>		<b>884.3433</b>

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

**3.4 230kV Transmission Site Work Prep - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.4802	5.8653	3.0206	7.3000e-003		0.2246	0.2246		0.2066	0.2066		706.9381	706.9381	0.2286		712.6541
<b>Total</b>	<b>0.4802</b>	<b>5.8653</b>	<b>3.0206</b>	<b>7.3000e-003</b>	<b>0.5303</b>	<b>0.2246</b>	<b>0.7549</b>	<b>0.0573</b>	<b>0.2066</b>	<b>0.2639</b>		<b>706.9381</b>	<b>706.9381</b>	<b>0.2286</b>		<b>712.6541</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0326	1.0397	0.2869	2.2000e-003	0.0511	2.9200e-003	0.0540	0.0147	2.7900e-003	0.0175		234.9121	234.9121	0.0132		235.2430
Worker	0.0637	0.0511	0.5158	1.4300e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		142.7844	142.7844	4.2900e-003		142.8916
<b>Total</b>	<b>0.0963</b>	<b>1.0908</b>	<b>0.8027</b>	<b>3.6300e-003</b>	<b>0.2093</b>	<b>3.9000e-003</b>	<b>0.2132</b>	<b>0.0567</b>	<b>3.6900e-003</b>	<b>0.0604</b>		<b>377.6964</b>	<b>377.6964</b>	<b>0.0175</b>		<b>378.1345</b>

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

**3.4 230kV Transmission Site Work Prep - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.4802	5.8653	3.0206	7.3000e-003		0.2246	0.2246		0.2066	0.2066	0.0000	706.9381	706.9381	0.2286		712.6541
<b>Total</b>	<b>0.4802</b>	<b>5.8653</b>	<b>3.0206</b>	<b>7.3000e-003</b>	<b>0.2386</b>	<b>0.2246</b>	<b>0.4632</b>	<b>0.0258</b>	<b>0.2066</b>	<b>0.2324</b>	<b>0.0000</b>	<b>706.9381</b>	<b>706.9381</b>	<b>0.2286</b>		<b>712.6541</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0326	1.0397	0.2869	2.2000e-003	0.0511	2.9200e-003	0.0540	0.0147	2.7900e-003	0.0175		234.9121	234.9121	0.0132		235.2430
Worker	0.0637	0.0511	0.5158	1.4300e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		142.7844	142.7844	4.2900e-003		142.8916
<b>Total</b>	<b>0.0963</b>	<b>1.0908</b>	<b>0.8027</b>	<b>3.6300e-003</b>	<b>0.2093</b>	<b>3.9000e-003</b>	<b>0.2132</b>	<b>0.0567</b>	<b>3.6900e-003</b>	<b>0.0604</b>		<b>377.6964</b>	<b>377.6964</b>	<b>0.0175</b>		<b>378.1345</b>

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

**3.5 230kV Sub Site Work Area - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1134	0.0000	6.1134	3.3228	0.0000	3.3228			0.0000			0.0000
Off-Road	6.0246	59.6598	36.8525	0.1047		2.4489	2.4489		2.2530	2.2530		10,138.6407	10,138.6407	3.2790		10,220.6167
<b>Total</b>	<b>6.0246</b>	<b>59.6598</b>	<b>36.8525</b>	<b>0.1047</b>	<b>6.1134</b>	<b>2.4489</b>	<b>8.5623</b>	<b>3.3228</b>	<b>2.2530</b>	<b>5.5757</b>		<b>10,138.6407</b>	<b>10,138.6407</b>	<b>3.2790</b>		<b>10,220.6167</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3362	12.1288	2.7188	0.0328	0.7332	0.0511	0.7843	0.2009	0.0489	0.2498		3,543.7186	3,543.7186	0.2016		3,548.7592
Vendor	0.0326	1.0397	0.2869	2.2000e-003	0.0511	2.9200e-003	0.0540	0.0147	2.7900e-003	0.0175		234.9121	234.9121	0.0132		235.2430
Worker	0.0797	0.0638	0.6447	1.7900e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		178.4805	178.4805	5.3600e-003		178.6144
<b>Total</b>	<b>0.4485</b>	<b>13.2323</b>	<b>3.6504</b>	<b>0.0368</b>	<b>0.9820</b>	<b>0.0553</b>	<b>1.0372</b>	<b>0.2680</b>	<b>0.0528</b>	<b>0.3209</b>		<b>3,957.1111</b>	<b>3,957.1111</b>	<b>0.2202</b>		<b>3,962.6166</b>

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

**3.5 230kV Sub Site Work Area - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7510	0.0000	2.7510	1.4953	0.0000	1.4953			0.0000			0.0000
Off-Road	6.0246	59.6598	36.8525	0.1047		2.4489	2.4489		2.2530	2.2530	0.0000	10,138.6406	10,138.6406	3.2790		10,220.6167
<b>Total</b>	<b>6.0246</b>	<b>59.6598</b>	<b>36.8525</b>	<b>0.1047</b>	<b>2.7510</b>	<b>2.4489</b>	<b>5.1999</b>	<b>1.4953</b>	<b>2.2530</b>	<b>3.7482</b>	<b>0.0000</b>	<b>10,138.6406</b>	<b>10,138.6406</b>	<b>3.2790</b>		<b>10,220.6167</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3362	12.1288	2.7188	0.0328	0.7332	0.0511	0.7843	0.2009	0.0489	0.2498		3,543.7186	3,543.7186	0.2016		3,548.7592
Vendor	0.0326	1.0397	0.2869	2.2000e-003	0.0511	2.9200e-003	0.0540	0.0147	2.7900e-003	0.0175		234.9121	234.9121	0.0132		235.2430
Worker	0.0797	0.0638	0.6447	1.7900e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		178.4805	178.4805	5.3600e-003		178.6144
<b>Total</b>	<b>0.4485</b>	<b>13.2323</b>	<b>3.6504</b>	<b>0.0368</b>	<b>0.9820</b>	<b>0.0553</b>	<b>1.0372</b>	<b>0.2680</b>	<b>0.0528</b>	<b>0.3209</b>		<b>3,957.1111</b>	<b>3,957.1111</b>	<b>0.2202</b>		<b>3,962.6166</b>

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

**3.6 70kV Substation Site Work Area Prep Mobil - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6231	0.0000	0.6231	0.0713	0.0000	0.0713			0.0000			0.0000
Off-Road	0.3201	3.9102	2.0137	4.8700e-003		0.1497	0.1497		0.1378	0.1378		471.2921	471.2921	0.1524		475.1027
<b>Total</b>	<b>0.3201</b>	<b>3.9102</b>	<b>2.0137</b>	<b>4.8700e-003</b>	<b>0.6231</b>	<b>0.1497</b>	<b>0.7728</b>	<b>0.0713</b>	<b>0.1378</b>	<b>0.2091</b>		<b>471.2921</b>	<b>471.2921</b>	<b>0.1524</b>		<b>475.1027</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5043	18.1932	4.0782	0.0492	1.0998	0.0767	1.1764	0.3013	0.0734	0.3747		5,315.5778	5,315.5778	0.3024		5,323.1387
Vendor	0.0178	0.5671	0.1565	1.2000e-003	0.0279	1.5900e-003	0.0295	8.0200e-003	1.5200e-003	9.5500e-003		128.1339	128.1339	7.2200e-003		128.3144
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.5699</b>	<b>18.7986</b>	<b>4.6215</b>	<b>0.0515</b>	<b>1.2462</b>	<b>0.0790</b>	<b>1.3253</b>	<b>0.3408</b>	<b>0.0756</b>	<b>0.4164</b>		<b>5,550.8000</b>	<b>5,550.8000</b>	<b>0.3129</b>		<b>5,558.6218</b>



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

**3.6 70kV Substation Site Work Area Prep Mobil - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2804	0.0000	0.2804	0.0321	0.0000	0.0321			0.0000			0.0000
Off-Road	0.3201	3.9102	2.0137	4.8700e-003		0.1497	0.1497		0.1378	0.1378	0.0000	471.2921	471.2921	0.1524		475.1027
<b>Total</b>	<b>0.3201</b>	<b>3.9102</b>	<b>2.0137</b>	<b>4.8700e-003</b>	<b>0.2804</b>	<b>0.1497</b>	<b>0.4301</b>	<b>0.0321</b>	<b>0.1378</b>	<b>0.1699</b>	<b>0.0000</b>	<b>471.2921</b>	<b>471.2921</b>	<b>0.1524</b>		<b>475.1027</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5043	18.1932	4.0782	0.0492	1.0998	0.0767	1.1764	0.3013	0.0734	0.3747		5,315.5778	5,315.5778	0.3024		5,323.1387
Vendor	0.0178	0.5671	0.1565	1.2000e-003	0.0279	1.5900e-003	0.0295	8.0200e-003	1.5200e-003	9.5500e-003		128.1339	128.1339	7.2200e-003		128.3144
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.5699</b>	<b>18.7986</b>	<b>4.6215</b>	<b>0.0515</b>	<b>1.2462</b>	<b>0.0790</b>	<b>1.3253</b>	<b>0.3408</b>	<b>0.0756</b>	<b>0.4164</b>		<b>5,550.8000</b>	<b>5,550.8000</b>	<b>0.3129</b>		<b>5,558.6218</b>

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

**3.7 230kV Sub Fence Gate Install - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0378	0.5018	0.6950	1.0300e-003		0.0204	0.0204		0.0188	0.0188		100.0992	100.0992	0.0324		100.9085
<b>Total</b>	<b>0.0378</b>	<b>0.5018</b>	<b>0.6950</b>	<b>1.0300e-003</b>		<b>0.0204</b>	<b>0.0204</b>		<b>0.0188</b>	<b>0.0188</b>		<b>100.0992</b>	<b>100.0992</b>	<b>0.0324</b>		<b>100.9085</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0889	2.8357	0.7825	6.0100e-003	0.1393	7.9600e-003	0.1472	0.0401	7.6100e-003	0.0477		640.6693	640.6693	0.0361		641.5717
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.1288</b>	<b>2.8676</b>	<b>1.1048</b>	<b>6.9100e-003</b>	<b>0.2381</b>	<b>8.5700e-003</b>	<b>0.2467</b>	<b>0.0663</b>	<b>8.1700e-003</b>	<b>0.0745</b>		<b>729.9095</b>	<b>729.9095</b>	<b>0.0388</b>		<b>730.8790</b>

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

**3.7 230kV Sub Fence Gate Install - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0378	0.5018	0.6950	1.0300e-003		0.0204	0.0204		0.0188	0.0188	0.0000	100.0992	100.0992	0.0324		100.9085
<b>Total</b>	<b>0.0378</b>	<b>0.5018</b>	<b>0.6950</b>	<b>1.0300e-003</b>		<b>0.0204</b>	<b>0.0204</b>		<b>0.0188</b>	<b>0.0188</b>	<b>0.0000</b>	<b>100.0992</b>	<b>100.0992</b>	<b>0.0324</b>		<b>100.9085</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0889	2.8357	0.7825	6.0100e-003	0.1393	7.9600e-003	0.1472	0.0401	7.6100e-003	0.0477		640.6693	640.6693	0.0361		641.5717
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.1288</b>	<b>2.8676</b>	<b>1.1048</b>	<b>6.9100e-003</b>	<b>0.2381</b>	<b>8.5700e-003</b>	<b>0.2467</b>	<b>0.0663</b>	<b>8.1700e-003</b>	<b>0.0745</b>		<b>729.9095</b>	<b>729.9095</b>	<b>0.0388</b>		<b>730.8790</b>

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

**3.8 Reconductoring Pole Install - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9317	20.3635	10.7702	0.0373		0.7777	0.7777		0.7154	0.7154		3,609.2051	3,609.2051	1.1673		3,638.3874
<b>Total</b>	<b>1.9317</b>	<b>20.3635</b>	<b>10.7702</b>	<b>0.0373</b>		<b>0.7777</b>	<b>0.7777</b>		<b>0.7154</b>	<b>0.7154</b>		<b>3,609.2051</b>	<b>3,609.2051</b>	<b>1.1673</b>		<b>3,638.3874</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0385	1.2288	0.3391	2.6100e-003	0.0604	3.4500e-003	0.0638	0.0174	3.3000e-003	0.0207		277.6234	277.6234	0.0156		278.0144
Worker	0.1593	0.1276	1.2894	3.5800e-003	0.3955	2.4500e-003	0.3979	0.1049	2.2600e-003	0.1071		356.9609	356.9609	0.0107		357.2289
<b>Total</b>	<b>0.1979</b>	<b>1.3564</b>	<b>1.6285</b>	<b>6.1900e-003</b>	<b>0.4558</b>	<b>5.9000e-003</b>	<b>0.4617</b>	<b>0.1223</b>	<b>5.5600e-003</b>	<b>0.1278</b>		<b>634.5843</b>	<b>634.5843</b>	<b>0.0264</b>		<b>635.2433</b>

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

**3.8 Reconductoring Pole Install - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9317	20.3635	10.7702	0.0373		0.7777	0.7777		0.7154	0.7154	0.0000	3,609.205 1	3,609.205 1	1.1673		3,638.387 4
<b>Total</b>	<b>1.9317</b>	<b>20.3635</b>	<b>10.7702</b>	<b>0.0373</b>		<b>0.7777</b>	<b>0.7777</b>		<b>0.7154</b>	<b>0.7154</b>	<b>0.0000</b>	<b>3,609.205 1</b>	<b>3,609.205 1</b>	<b>1.1673</b>		<b>3,638.387 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0385	1.2288	0.3391	2.6100e-003	0.0604	3.4500e-003	0.0638	0.0174	3.3000e-003	0.0207		277.6234	277.6234	0.0156		278.0144
Worker	0.1593	0.1276	1.2894	3.5800e-003	0.3955	2.4500e-003	0.3979	0.1049	2.2600e-003	0.1071		356.9609	356.9609	0.0107		357.2289
<b>Total</b>	<b>0.1979</b>	<b>1.3564</b>	<b>1.6285</b>	<b>6.1900e-003</b>	<b>0.4558</b>	<b>5.9000e-003</b>	<b>0.4617</b>	<b>0.1223</b>	<b>5.5600e-003</b>	<b>0.1278</b>		<b>634.5843</b>	<b>634.5843</b>	<b>0.0264</b>		<b>635.2433</b>

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

**3.9 230kV Transmission Foundation Tower - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9147	19.3107	10.9767	0.0345		0.7858	0.7858		0.7229	0.7229		3,337.3850	3,337.3850	1.0794		3,364.3694
<b>Total</b>	<b>1.9147</b>	<b>19.3107</b>	<b>10.9767</b>	<b>0.0345</b>		<b>0.7858</b>	<b>0.7858</b>		<b>0.7229</b>	<b>0.7229</b>		<b>3,337.3850</b>	<b>3,337.3850</b>	<b>1.0794</b>		<b>3,364.3694</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0356	1.1343	0.3130	2.4100e-003	0.0557	3.1800e-003	0.0589	0.0161	3.0400e-003	0.0191		256.2677	256.2677	0.0144		256.6287
Worker	0.0797	0.0638	0.6447	1.7900e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		178.4805	178.4805	5.3600e-003		178.6144
<b>Total</b>	<b>0.1152</b>	<b>1.1981</b>	<b>0.9577</b>	<b>4.2000e-003</b>	<b>0.2534</b>	<b>4.4000e-003</b>	<b>0.2579</b>	<b>0.0685</b>	<b>4.1700e-003</b>	<b>0.0727</b>		<b>434.7482</b>	<b>434.7482</b>	<b>0.0198</b>		<b>435.2431</b>

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

**3.9 230kV Transmission Foundation Tower - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9147	19.3107	10.9767	0.0345		0.7858	0.7858		0.7229	0.7229	0.0000	3,337.3850	3,337.3850	1.0794		3,364.3694
<b>Total</b>	<b>1.9147</b>	<b>19.3107</b>	<b>10.9767</b>	<b>0.0345</b>		<b>0.7858</b>	<b>0.7858</b>		<b>0.7229</b>	<b>0.7229</b>	<b>0.0000</b>	<b>3,337.3850</b>	<b>3,337.3850</b>	<b>1.0794</b>		<b>3,364.3694</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0356	1.1343	0.3130	2.4100e-003	0.0557	3.1800e-003	0.0589	0.0161	3.0400e-003	0.0191		256.2677	256.2677	0.0144		256.6287
Worker	0.0797	0.0638	0.6447	1.7900e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		178.4805	178.4805	5.3600e-003		178.6144
<b>Total</b>	<b>0.1152</b>	<b>1.1981</b>	<b>0.9577</b>	<b>4.2000e-003</b>	<b>0.2534</b>	<b>4.4000e-003</b>	<b>0.2579</b>	<b>0.0685</b>	<b>4.1700e-003</b>	<b>0.0727</b>		<b>434.7482</b>	<b>434.7482</b>	<b>0.0198</b>		<b>435.2431</b>

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

**3.10 70kV Substation Foundation Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8279	8.4307	6.9405	0.0159		0.4584	0.4584		0.4217	0.4217		1,539.8850	1,539.8850	0.4980		1,552.3357
<b>Total</b>	<b>0.8279</b>	<b>8.4307</b>	<b>6.9405</b>	<b>0.0159</b>		<b>0.4584</b>	<b>0.4584</b>		<b>0.4217</b>	<b>0.4217</b>		<b>1,539.8850</b>	<b>1,539.8850</b>	<b>0.4980</b>		<b>1,552.3357</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0385	1.2288	0.3391	2.6100e-003	0.0604	3.4500e-003	0.0638	0.0174	3.3000e-003	0.0207		277.6234	277.6234	0.0156		278.0144
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.0863</b>	<b>1.2671</b>	<b>0.7259</b>	<b>3.6900e-003</b>	<b>0.1790</b>	<b>4.1800e-003</b>	<b>0.1832</b>	<b>0.0488</b>	<b>3.9800e-003</b>	<b>0.0528</b>		<b>384.7116</b>	<b>384.7116</b>	<b>0.0189</b>		<b>385.1831</b>



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

**3.10 70kV Substation Foundation Construction - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8279	8.4307	6.9405	0.0159		0.4584	0.4584		0.4217	0.4217	0.0000	1,539.8850	1,539.8850	0.4980		1,552.3357
<b>Total</b>	<b>0.8279</b>	<b>8.4307</b>	<b>6.9405</b>	<b>0.0159</b>		<b>0.4584</b>	<b>0.4584</b>		<b>0.4217</b>	<b>0.4217</b>	<b>0.0000</b>	<b>1,539.8850</b>	<b>1,539.8850</b>	<b>0.4980</b>		<b>1,552.3357</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0385	1.2288	0.3391	2.6100e-003	0.0604	3.4500e-003	0.0638	0.0174	3.3000e-003	0.0207		277.6234	277.6234	0.0156		278.0144
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.0863</b>	<b>1.2671</b>	<b>0.7259</b>	<b>3.6900e-003</b>	<b>0.1790</b>	<b>4.1800e-003</b>	<b>0.1832</b>	<b>0.0488</b>	<b>3.9800e-003</b>	<b>0.0528</b>		<b>384.7116</b>	<b>384.7116</b>	<b>0.0189</b>		<b>385.1831</b>

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

**3.11 70kV Substation Ground Grid - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4273	4.0559	3.6499	4.8600e-003		0.2751	0.2751		0.2531	0.2531		470.8669	470.8669	0.1523		474.6741
<b>Total</b>	<b>0.4273</b>	<b>4.0559</b>	<b>3.6499</b>	<b>4.8600e-003</b>		<b>0.2751</b>	<b>0.2751</b>		<b>0.2531</b>	<b>0.2531</b>		<b>470.8669</b>	<b>470.8669</b>	<b>0.1523</b>		<b>474.6741</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0267	0.8507	0.2347	1.8000e-003	0.0418	2.3900e-003	0.0442	0.0120	2.2800e-003	0.0143		192.2008	192.2008	0.0108		192.4715
Worker	0.0319	0.0255	0.2579	7.2000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		71.3922	71.3922	2.1400e-003		71.4458
<b>Total</b>	<b>0.0585</b>	<b>0.8762</b>	<b>0.4926</b>	<b>2.5200e-003</b>	<b>0.1209</b>	<b>2.8800e-003</b>	<b>0.1238</b>	<b>0.0330</b>	<b>2.7300e-003</b>	<b>0.0358</b>		<b>263.5930</b>	<b>263.5930</b>	<b>0.0130</b>		<b>263.9173</b>

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

**3.11 70kV Substation Ground Grid - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4273	4.0559	3.6499	4.8600e-003		0.2751	0.2751		0.2531	0.2531	0.0000	470.8669	470.8669	0.1523		474.6741
<b>Total</b>	<b>0.4273</b>	<b>4.0559</b>	<b>3.6499</b>	<b>4.8600e-003</b>		<b>0.2751</b>	<b>0.2751</b>		<b>0.2531</b>	<b>0.2531</b>	<b>0.0000</b>	<b>470.8669</b>	<b>470.8669</b>	<b>0.1523</b>		<b>474.6741</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0267	0.8507	0.2347	1.8000e-003	0.0418	2.3900e-003	0.0442	0.0120	2.2800e-003	0.0143		192.2008	192.2008	0.0108		192.4715
Worker	0.0319	0.0255	0.2579	7.2000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		71.3922	71.3922	2.1400e-003		71.4458
<b>Total</b>	<b>0.0585</b>	<b>0.8762</b>	<b>0.4926</b>	<b>2.5200e-003</b>	<b>0.1209</b>	<b>2.8800e-003</b>	<b>0.1238</b>	<b>0.0330</b>	<b>2.7300e-003</b>	<b>0.0358</b>		<b>263.5930</b>	<b>263.5930</b>	<b>0.0130</b>		<b>263.9173</b>

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

**3.12 230kV Sub Foundation Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6333	7.2385	4.7259	0.0150		0.2845	0.2845		0.2618	0.2618		1,449.3367	1,449.3367	0.4687		1,461.0553
<b>Total</b>	<b>0.6333</b>	<b>7.2385</b>	<b>4.7259</b>	<b>0.0150</b>		<b>0.2845</b>	<b>0.2845</b>		<b>0.2618</b>	<b>0.2618</b>		<b>1,449.3367</b>	<b>1,449.3367</b>	<b>0.4687</b>		<b>1,461.0553</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0919	2.9302	0.8085	6.2100e-003	0.1439	8.2200e-003	0.1522	0.0415	7.8600e-003	0.0493		662.0249	662.0249	0.0373		662.9575
Worker	0.0956	0.0766	0.7736	2.1500e-003	0.2373	1.4700e-003	0.2387	0.0629	1.3600e-003	0.0643		214.1765	214.1765	6.4300e-003		214.3373
<b>Total</b>	<b>0.1875</b>	<b>3.0068</b>	<b>1.5822</b>	<b>8.3600e-003</b>	<b>0.3812</b>	<b>9.6900e-003</b>	<b>0.3909</b>	<b>0.1044</b>	<b>9.2200e-003</b>	<b>0.1136</b>		<b>876.2015</b>	<b>876.2015</b>	<b>0.0437</b>		<b>877.2948</b>

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

**3.12 230kV Sub Foundation Construction - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6333	7.2385	4.7259	0.0150		0.2845	0.2845		0.2618	0.2618	0.0000	1,449.3367	1,449.3367	0.4687		1,461.0553
<b>Total</b>	<b>0.6333</b>	<b>7.2385</b>	<b>4.7259</b>	<b>0.0150</b>		<b>0.2845</b>	<b>0.2845</b>		<b>0.2618</b>	<b>0.2618</b>	<b>0.0000</b>	<b>1,449.3367</b>	<b>1,449.3367</b>	<b>0.4687</b>		<b>1,461.0553</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0919	2.9302	0.8085	6.2100e-003	0.1439	8.2200e-003	0.1522	0.0415	7.8600e-003	0.0493		662.0249	662.0249	0.0373		662.9575
Worker	0.0956	0.0766	0.7736	2.1500e-003	0.2373	1.4700e-003	0.2387	0.0629	1.3600e-003	0.0643		214.1765	214.1765	6.4300e-003		214.3373
<b>Total</b>	<b>0.1875</b>	<b>3.0068</b>	<b>1.5822</b>	<b>8.3600e-003</b>	<b>0.3812</b>	<b>9.6900e-003</b>	<b>0.3909</b>	<b>0.1044</b>	<b>9.2200e-003</b>	<b>0.1136</b>		<b>876.2015</b>	<b>876.2015</b>	<b>0.0437</b>		<b>877.2948</b>

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

**3.13 Reconductoring Conductor Install - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0719	38.0846	24.4849	0.0787		1.5447	1.5447		1.4211	1.4211		7,618.0006	7,618.0006	2.4638		7,679.5960
<b>Total</b>	<b>4.0719</b>	<b>38.0846</b>	<b>24.4849</b>	<b>0.0787</b>		<b>1.5447</b>	<b>1.5447</b>		<b>1.4211</b>	<b>1.4211</b>		<b>7,618.0006</b>	<b>7,618.0006</b>	<b>2.4638</b>		<b>7,679.5960</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0296	0.9452	0.2608	2.0000e-003	0.0464	2.6500e-003	0.0491	0.0134	2.5400e-003	0.0159		213.5564	213.5564	0.0120		213.8572
Worker	0.1195	0.0957	0.9670	2.6900e-003	0.2966	1.8400e-003	0.2984	0.0787	1.6900e-003	0.0804		267.7207	267.7207	8.0400e-003		267.9217
<b>Total</b>	<b>0.1492</b>	<b>1.0410</b>	<b>1.2279</b>	<b>4.6900e-003</b>	<b>0.3430</b>	<b>4.4900e-003</b>	<b>0.3475</b>	<b>0.0920</b>	<b>4.2300e-003</b>	<b>0.0963</b>		<b>481.2771</b>	<b>481.2771</b>	<b>0.0201</b>		<b>481.7789</b>

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

**3.13 Reconductoring Conductor Install - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0719	38.0846	24.4849	0.0787		1.5447	1.5447		1.4211	1.4211	0.0000	7,618.0006	7,618.0006	2.4638		7,679.5960
<b>Total</b>	<b>4.0719</b>	<b>38.0846</b>	<b>24.4849</b>	<b>0.0787</b>		<b>1.5447</b>	<b>1.5447</b>		<b>1.4211</b>	<b>1.4211</b>	<b>0.0000</b>	<b>7,618.0006</b>	<b>7,618.0006</b>	<b>2.4638</b>		<b>7,679.5960</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0296	0.9452	0.2608	2.0000e-003	0.0464	2.6500e-003	0.0491	0.0134	2.5400e-003	0.0159		213.5564	213.5564	0.0120		213.8572
Worker	0.1195	0.0957	0.9670	2.6900e-003	0.2966	1.8400e-003	0.2984	0.0787	1.6900e-003	0.0804		267.7207	267.7207	8.0400e-003		267.9217
<b>Total</b>	<b>0.1492</b>	<b>1.0410</b>	<b>1.2279</b>	<b>4.6900e-003</b>	<b>0.3430</b>	<b>4.4900e-003</b>	<b>0.3475</b>	<b>0.0920</b>	<b>4.2300e-003</b>	<b>0.0963</b>		<b>481.2771</b>	<b>481.2771</b>	<b>0.0201</b>		<b>481.7789</b>

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

**3.14 70kV Sub Steel Bus Erection - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9838	9.0963	7.5946	0.0232		0.3125	0.3125		0.2875	0.2875		2,243.024 2	2,243.024 2	0.7254		2,261.160 2
<b>Total</b>	<b>0.9838</b>	<b>9.0963</b>	<b>7.5946</b>	<b>0.0232</b>		<b>0.3125</b>	<b>0.3125</b>		<b>0.2875</b>	<b>0.2875</b>		<b>2,243.024 2</b>	<b>2,243.024 2</b>	<b>0.7254</b>		<b>2,261.160 2</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0267	0.8507	0.2347	1.8000e-003	0.0418	2.3900e-003	0.0442	0.0120	2.2800e-003	0.0143		192.2008	192.2008	0.0108		192.4715
Worker	0.0637	0.0511	0.5158	1.4300e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		142.7844	142.7844	4.2900e-003		142.8916
<b>Total</b>	<b>0.0904</b>	<b>0.9018</b>	<b>0.7505</b>	<b>3.2300e-003</b>	<b>0.2000</b>	<b>3.3700e-003</b>	<b>0.2033</b>	<b>0.0540</b>	<b>3.1800e-003</b>	<b>0.0572</b>		<b>334.9851</b>	<b>334.9851</b>	<b>0.0151</b>		<b>335.3631</b>



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

**3.14 70kV Sub Steel Bus Erection - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9838	9.0963	7.5946	0.0232		0.3125	0.3125		0.2875	0.2875	0.0000	2,243.024 2	2,243.024 2	0.7254		2,261.160 2
<b>Total</b>	<b>0.9838</b>	<b>9.0963</b>	<b>7.5946</b>	<b>0.0232</b>		<b>0.3125</b>	<b>0.3125</b>		<b>0.2875</b>	<b>0.2875</b>	<b>0.0000</b>	<b>2,243.024 2</b>	<b>2,243.024 2</b>	<b>0.7254</b>		<b>2,261.160 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0267	0.8507	0.2347	1.8000e-003	0.0418	2.3900e-003	0.0442	0.0120	2.2800e-003	0.0143		192.2008	192.2008	0.0108		192.4715
Worker	0.0637	0.0511	0.5158	1.4300e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		142.7844	142.7844	4.2900e-003		142.8916
<b>Total</b>	<b>0.0904</b>	<b>0.9018</b>	<b>0.7505</b>	<b>3.2300e-003</b>	<b>0.2000</b>	<b>3.3700e-003</b>	<b>0.2033</b>	<b>0.0540</b>	<b>3.1800e-003</b>	<b>0.0572</b>		<b>334.9851</b>	<b>334.9851</b>	<b>0.0151</b>		<b>335.3631</b>

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

**3.15 230kV Sub Ground Grid - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3825	3.5121	2.6063	3.3700e-003		0.2550	0.2550		0.2346	0.2346		326.9225	326.9225	0.1057		329.5658
<b>Total</b>	<b>0.3825</b>	<b>3.5121</b>	<b>2.6063</b>	<b>3.3700e-003</b>		<b>0.2550</b>	<b>0.2550</b>		<b>0.2346</b>	<b>0.2346</b>		<b>326.9225</b>	<b>326.9225</b>	<b>0.1057</b>		<b>329.5658</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0860	2.7411	0.7564	5.8100e-003	0.1346	7.6900e-003	0.1423	0.0388	7.3500e-003	0.0461		619.3136	619.3136	0.0349		620.1860
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.1258</b>	<b>2.7730</b>	<b>1.0787</b>	<b>6.7100e-003</b>	<b>0.2335</b>	<b>8.3000e-003</b>	<b>0.2418</b>	<b>0.0650</b>	<b>7.9100e-003</b>	<b>0.0729</b>		<b>708.5538</b>	<b>708.5538</b>	<b>0.0376</b>		<b>709.4932</b>

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

**3.15 230kV Sub Ground Grid - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3825	3.5121	2.6063	3.3700e-003		0.2550	0.2550		0.2346	0.2346	0.0000	326.9225	326.9225	0.1057		329.5658
<b>Total</b>	<b>0.3825</b>	<b>3.5121</b>	<b>2.6063</b>	<b>3.3700e-003</b>		<b>0.2550</b>	<b>0.2550</b>		<b>0.2346</b>	<b>0.2346</b>	<b>0.0000</b>	<b>326.9225</b>	<b>326.9225</b>	<b>0.1057</b>		<b>329.5658</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0860	2.7411	0.7564	5.8100e-003	0.1346	7.6900e-003	0.1423	0.0388	7.3500e-003	0.0461		619.3136	619.3136	0.0349		620.1860
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.1258</b>	<b>2.7730</b>	<b>1.0787</b>	<b>6.7100e-003</b>	<b>0.2335</b>	<b>8.3000e-003</b>	<b>0.2418</b>	<b>0.0650</b>	<b>7.9100e-003</b>	<b>0.0729</b>		<b>708.5538</b>	<b>708.5538</b>	<b>0.0376</b>		<b>709.4932</b>

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

**3.16 230kV Transmission Conductor - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1408	21.4378	11.6701	0.0394		0.8291	0.8291		0.7628	0.7628		3,814.208 2	3,814.208 2	1.2336		3,845.048 0
<b>Total</b>	<b>2.1408</b>	<b>21.4378</b>	<b>11.6701</b>	<b>0.0394</b>		<b>0.8291</b>	<b>0.8291</b>		<b>0.7628</b>	<b>0.7628</b>		<b>3,814.208 2</b>	<b>3,814.208 2</b>	<b>1.2336</b>		<b>3,845.048 0</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0326	1.0397	0.2869	2.2000e-003	0.0511	2.9200e-003	0.0540	0.0147	2.7900e-003	0.0175		234.9121	234.9121	0.0132		235.2430
Worker	0.1195	0.0957	0.9670	2.6900e-003	0.2966	1.8400e-003	0.2984	0.0787	1.6900e-003	0.0804		267.7207	267.7207	8.0400e-003		267.9217
<b>Total</b>	<b>0.1521</b>	<b>1.1355</b>	<b>1.2539</b>	<b>4.8900e-003</b>	<b>0.3477</b>	<b>4.7600e-003</b>	<b>0.3524</b>	<b>0.0934</b>	<b>4.4800e-003</b>	<b>0.0979</b>		<b>502.6327</b>	<b>502.6327</b>	<b>0.0213</b>		<b>503.1646</b>

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

**3.16 230kV Transmission Conductor - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1408	21.4378	11.6701	0.0394		0.8291	0.8291		0.7628	0.7628	0.0000	3,814.208 2	3,814.208 2	1.2336		3,845.048 0
<b>Total</b>	<b>2.1408</b>	<b>21.4378</b>	<b>11.6701</b>	<b>0.0394</b>		<b>0.8291</b>	<b>0.8291</b>		<b>0.7628</b>	<b>0.7628</b>	<b>0.0000</b>	<b>3,814.208 2</b>	<b>3,814.208 2</b>	<b>1.2336</b>		<b>3,845.048 0</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0326	1.0397	0.2869	2.2000e-003	0.0511	2.9200e-003	0.0540	0.0147	2.7900e-003	0.0175		234.9121	234.9121	0.0132		235.2430
Worker	0.1195	0.0957	0.9670	2.6900e-003	0.2966	1.8400e-003	0.2984	0.0787	1.6900e-003	0.0804		267.7207	267.7207	8.0400e-003		267.9217
<b>Total</b>	<b>0.1521</b>	<b>1.1355</b>	<b>1.2539</b>	<b>4.8900e-003</b>	<b>0.3477</b>	<b>4.7600e-003</b>	<b>0.3524</b>	<b>0.0934</b>	<b>4.4800e-003</b>	<b>0.0979</b>		<b>502.6327</b>	<b>502.6327</b>	<b>0.0213</b>		<b>503.1646</b>

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

**3.17 70 kV Substation Equip Delivery - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4389	4.0876	3.4819	0.0104		0.1394	0.1394		0.1282	0.1282		1,009.6413	1,009.6413	0.3265		1,017.8048
<b>Total</b>	<b>0.4389</b>	<b>4.0876</b>	<b>3.4819</b>	<b>0.0104</b>		<b>0.1394</b>	<b>0.1394</b>		<b>0.1282</b>	<b>0.1282</b>		<b>1,009.6413</b>	<b>1,009.6413</b>	<b>0.3265</b>		<b>1,017.8048</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0356	1.1343	0.3130	2.4100e-003	0.0557	3.1800e-003	0.0589	0.0161	3.0400e-003	0.0191		256.2677	256.2677	0.0144		256.6287
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.0834</b>	<b>1.1726</b>	<b>0.6998</b>	<b>3.4900e-003</b>	<b>0.1743</b>	<b>3.9100e-003</b>	<b>0.1783</b>	<b>0.0475</b>	<b>3.7200e-003</b>	<b>0.0512</b>		<b>363.3560</b>	<b>363.3560</b>	<b>0.0177</b>		<b>363.7974</b>

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

**3.17 70 kV Substation Equip Delivery - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4389	4.0876	3.4819	0.0104		0.1394	0.1394		0.1282	0.1282	0.0000	1,009.6413	1,009.6413	0.3265		1,017.8048
<b>Total</b>	<b>0.4389</b>	<b>4.0876</b>	<b>3.4819</b>	<b>0.0104</b>		<b>0.1394</b>	<b>0.1394</b>		<b>0.1282</b>	<b>0.1282</b>	<b>0.0000</b>	<b>1,009.6413</b>	<b>1,009.6413</b>	<b>0.3265</b>		<b>1,017.8048</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0356	1.1343	0.3130	2.4100e-003	0.0557	3.1800e-003	0.0589	0.0161	3.0400e-003	0.0191		256.2677	256.2677	0.0144		256.6287
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.0834</b>	<b>1.1726</b>	<b>0.6998</b>	<b>3.4900e-003</b>	<b>0.1743</b>	<b>3.9100e-003</b>	<b>0.1783</b>	<b>0.0475</b>	<b>3.7200e-003</b>	<b>0.0512</b>		<b>363.3560</b>	<b>363.3560</b>	<b>0.0177</b>		<b>363.7974</b>

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

**3.18 70kV Substation Control Enclosure - 2021**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9300e-003	0.1890	0.0522	4.0000e-004	9.2900e-003	5.3000e-004	9.8200e-003	2.6700e-003	5.1000e-004	3.1800e-003		42.7113	42.7113	2.4100e-003		42.7715
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.0458</b>	<b>0.2210</b>	<b>0.3745</b>	<b>1.3000e-003</b>	<b>0.1082</b>	<b>1.1400e-003</b>	<b>0.1093</b>	<b>0.0289</b>	<b>1.0700e-003</b>	<b>0.0300</b>		<b>131.9515</b>	<b>131.9515</b>	<b>5.0900e-003</b>		<b>132.0787</b>



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

**3.18 70kV Substation Control Enclosure - 2021**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9300e-003	0.1890	0.0522	4.0000e-004	9.2900e-003	5.3000e-004	9.8200e-003	2.6700e-003	5.1000e-004	3.1800e-003		42.7113	42.7113	2.4100e-003		42.7715
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.0458</b>	<b>0.2210</b>	<b>0.3745</b>	<b>1.3000e-003</b>	<b>0.1082</b>	<b>1.1400e-003</b>	<b>0.1093</b>	<b>0.0289</b>	<b>1.0700e-003</b>	<b>0.0300</b>		<b>131.9515</b>	<b>131.9515</b>	<b>5.0900e-003</b>		<b>132.0787</b>

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

**3.19 230kV Sub Steel Bus - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6340	5.7138	4.4249	0.0145		0.2017	0.2017		0.1855	0.1855		1,400.4879	1,400.4879	0.4530		1,411.8115
<b>Total</b>	<b>0.6340</b>	<b>5.7138</b>	<b>4.4249</b>	<b>0.0145</b>		<b>0.2017</b>	<b>0.2017</b>		<b>0.1855</b>	<b>0.1855</b>		<b>1,400.4879</b>	<b>1,400.4879</b>	<b>0.4530</b>		<b>1,411.8115</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0889	2.8357	0.7825	6.0100e-003	0.1393	7.9600e-003	0.1472	0.0401	7.6100e-003	0.0477		640.6693	640.6693	0.0361		641.5717
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.1288</b>	<b>2.8676</b>	<b>1.1048</b>	<b>6.9100e-003</b>	<b>0.2381</b>	<b>8.5700e-003</b>	<b>0.2467</b>	<b>0.0663</b>	<b>8.1700e-003</b>	<b>0.0745</b>		<b>729.9095</b>	<b>729.9095</b>	<b>0.0388</b>		<b>730.8790</b>

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

**3.19 230kV Sub Steel Bus - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6340	5.7138	4.4249	0.0145		0.2017	0.2017		0.1855	0.1855	0.0000	1,400.4879	1,400.4879	0.4530		1,411.8115
<b>Total</b>	<b>0.6340</b>	<b>5.7138</b>	<b>4.4249</b>	<b>0.0145</b>		<b>0.2017</b>	<b>0.2017</b>		<b>0.1855</b>	<b>0.1855</b>	<b>0.0000</b>	<b>1,400.4879</b>	<b>1,400.4879</b>	<b>0.4530</b>		<b>1,411.8115</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0889	2.8357	0.7825	6.0100e-003	0.1393	7.9600e-003	0.1472	0.0401	7.6100e-003	0.0477		640.6693	640.6693	0.0361		641.5717
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.1288</b>	<b>2.8676</b>	<b>1.1048</b>	<b>6.9100e-003</b>	<b>0.2381</b>	<b>8.5700e-003</b>	<b>0.2467</b>	<b>0.0663</b>	<b>8.1700e-003</b>	<b>0.0745</b>		<b>729.9095</b>	<b>729.9095</b>	<b>0.0388</b>		<b>730.8790</b>

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

**3.20 230kV Sub Install Yard Rock - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0944	1.2544	1.7374	2.5900e-003		0.0510	0.0510		0.0470	0.0470		250.2480	250.2480	0.0809		252.2714
<b>Total</b>	<b>0.0944</b>	<b>1.2544</b>	<b>1.7374</b>	<b>2.5900e-003</b>		<b>0.0510</b>	<b>0.0510</b>		<b>0.0470</b>	<b>0.0470</b>		<b>250.2480</b>	<b>250.2480</b>	<b>0.0809</b>		<b>252.2714</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1334	4.2535	1.1737	9.0200e-003	0.2089	0.0119	0.2209	0.0602	0.0114	0.0716		961.0039	961.0039	0.0542		962.3576
Worker	0.0637	0.0511	0.5158	1.4300e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		142.7844	142.7844	4.2900e-003		142.8916
<b>Total</b>	<b>0.1971</b>	<b>4.3045</b>	<b>1.6894</b>	<b>0.0105</b>	<b>0.3671</b>	<b>0.0129</b>	<b>0.3800</b>	<b>0.1021</b>	<b>0.0123</b>	<b>0.1145</b>		<b>1,103.7883</b>	<b>1,103.7883</b>	<b>0.0584</b>		<b>1,105.2491</b>

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

**3.20 230kV Sub Install Yard Rock - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0944	1.2544	1.7374	2.5900e-003		0.0510	0.0510		0.0470	0.0470	0.0000	250.2480	250.2480	0.0809		252.2714
<b>Total</b>	<b>0.0944</b>	<b>1.2544</b>	<b>1.7374</b>	<b>2.5900e-003</b>		<b>0.0510</b>	<b>0.0510</b>		<b>0.0470</b>	<b>0.0470</b>	<b>0.0000</b>	<b>250.2480</b>	<b>250.2480</b>	<b>0.0809</b>		<b>252.2714</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1334	4.2535	1.1737	9.0200e-003	0.2089	0.0119	0.2209	0.0602	0.0114	0.0716		961.0039	961.0039	0.0542		962.3576
Worker	0.0637	0.0511	0.5158	1.4300e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		142.7844	142.7844	4.2900e-003		142.8916
<b>Total</b>	<b>0.1971</b>	<b>4.3045</b>	<b>1.6894</b>	<b>0.0105</b>	<b>0.3671</b>	<b>0.0129</b>	<b>0.3800</b>	<b>0.1021</b>	<b>0.0123</b>	<b>0.1145</b>		<b>1,103.7883</b>	<b>1,103.7883</b>	<b>0.0584</b>		<b>1,105.2491</b>

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

**3.21 70kV Substation Cable Installation - 2021**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.8900e-003	0.2836	0.0782	6.0000e-004	0.0139	8.0000e-004	0.0147	4.0100e-003	7.6000e-004	4.7700e-003		64.0669	64.0669	3.6100e-003		64.1572
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.0487</b>	<b>0.3155</b>	<b>0.4006</b>	<b>1.5000e-003</b>	<b>0.1128</b>	<b>1.4100e-003</b>	<b>0.1142</b>	<b>0.0302</b>	<b>1.3200e-003</b>	<b>0.0316</b>		<b>153.3072</b>	<b>153.3072</b>	<b>6.2900e-003</b>		<b>153.4644</b>

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

**3.21 70kV Substation Cable Installation - 2021**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.8900e-003	0.2836	0.0782	6.0000e-004	0.0139	8.0000e-004	0.0147	4.0100e-003	7.6000e-004	4.7700e-003		64.0669	64.0669	3.6100e-003		64.1572
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.0487</b>	<b>0.3155</b>	<b>0.4006</b>	<b>1.5000e-003</b>	<b>0.1128</b>	<b>1.4100e-003</b>	<b>0.1142</b>	<b>0.0302</b>	<b>1.3200e-003</b>	<b>0.0316</b>		<b>153.3072</b>	<b>153.3072</b>	<b>6.2900e-003</b>		<b>153.4644</b>

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

**3.22 230kV Sub Transformer - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5050	22.8802	16.0937	0.0509		0.9069	0.9069		0.8427	0.8427		4,922.3220	4,922.3220	1.4859		4,959.4698
<b>Total</b>	<b>2.5050</b>	<b>22.8802</b>	<b>16.0937</b>	<b>0.0509</b>		<b>0.9069</b>	<b>0.9069</b>		<b>0.8427</b>	<b>0.8427</b>		<b>4,922.3220</b>	<b>4,922.3220</b>	<b>1.4859</b>		<b>4,959.4698</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0889	2.8357	0.7825	6.0100e-003	0.1393	7.9600e-003	0.1472	0.0401	7.6100e-003	0.0477		640.6693	640.6693	0.0361		641.5717
Worker	0.0637	0.0511	0.5158	1.4300e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		142.7844	142.7844	4.2900e-003		142.8916
<b>Total</b>	<b>0.1527</b>	<b>2.8867</b>	<b>1.2982</b>	<b>7.4400e-003</b>	<b>0.2975</b>	<b>8.9400e-003</b>	<b>0.3064</b>	<b>0.0821</b>	<b>8.5100e-003</b>	<b>0.0906</b>		<b>783.4536</b>	<b>783.4536</b>	<b>0.0404</b>		<b>784.4633</b>



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

**3.22 230kV Sub Transformer - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5050	22.8802	16.0937	0.0509		0.9069	0.9069		0.8427	0.8427	0.0000	4,922.3220	4,922.3220	1.4859		4,959.4698
<b>Total</b>	<b>2.5050</b>	<b>22.8802</b>	<b>16.0937</b>	<b>0.0509</b>		<b>0.9069</b>	<b>0.9069</b>		<b>0.8427</b>	<b>0.8427</b>	<b>0.0000</b>	<b>4,922.3220</b>	<b>4,922.3220</b>	<b>1.4859</b>		<b>4,959.4698</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0889	2.8357	0.7825	6.0100e-003	0.1393	7.9600e-003	0.1472	0.0401	7.6100e-003	0.0477		640.6693	640.6693	0.0361		641.5717
Worker	0.0637	0.0511	0.5158	1.4300e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		142.7844	142.7844	4.2900e-003		142.8916
<b>Total</b>	<b>0.1527</b>	<b>2.8867</b>	<b>1.2982</b>	<b>7.4400e-003</b>	<b>0.2975</b>	<b>8.9400e-003</b>	<b>0.3064</b>	<b>0.0821</b>	<b>8.5100e-003</b>	<b>0.0906</b>		<b>783.4536</b>	<b>783.4536</b>	<b>0.0404</b>		<b>784.4633</b>

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

**3.23 230kV Transmission Cleanup Restore - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5466	6.8725	2.8973	8.1800e-003		0.2436	0.2436		0.2241	0.2241		792.1342	792.1342	0.2562		798.5390
<b>Total</b>	<b>0.5466</b>	<b>6.8725</b>	<b>2.8973</b>	<b>8.1800e-003</b>	<b>0.5303</b>	<b>0.2436</b>	<b>0.7738</b>	<b>0.0573</b>	<b>0.2241</b>	<b>0.2814</b>		<b>792.1342</b>	<b>792.1342</b>	<b>0.2562</b>		<b>798.5390</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0267	0.8507	0.2347	1.8000e-003	0.0418	2.3900e-003	0.0442	0.0120	2.2800e-003	0.0143		192.2008	192.2008	0.0108		192.4715
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.0665</b>	<b>0.8826</b>	<b>0.5571</b>	<b>2.7000e-003</b>	<b>0.1407</b>	<b>3.0000e-003</b>	<b>0.1436</b>	<b>0.0383</b>	<b>2.8400e-003</b>	<b>0.0411</b>		<b>281.4410</b>	<b>281.4410</b>	<b>0.0135</b>		<b>281.7787</b>

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

**3.23 230kV Transmission Cleanup Restore - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.5466	6.8725	2.8973	8.1800e-003		0.2436	0.2436		0.2241	0.2241	0.0000	792.1342	792.1342	0.2562		798.5390
<b>Total</b>	<b>0.5466</b>	<b>6.8725</b>	<b>2.8973</b>	<b>8.1800e-003</b>	<b>0.2386</b>	<b>0.2436</b>	<b>0.4822</b>	<b>0.0258</b>	<b>0.2241</b>	<b>0.2499</b>	<b>0.0000</b>	<b>792.1342</b>	<b>792.1342</b>	<b>0.2562</b>		<b>798.5390</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0267	0.8507	0.2347	1.8000e-003	0.0418	2.3900e-003	0.0442	0.0120	2.2800e-003	0.0143		192.2008	192.2008	0.0108		192.4715
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.0665</b>	<b>0.8826</b>	<b>0.5571</b>	<b>2.7000e-003</b>	<b>0.1407</b>	<b>3.0000e-003</b>	<b>0.1436</b>	<b>0.0383</b>	<b>2.8400e-003</b>	<b>0.0411</b>		<b>281.4410</b>	<b>281.4410</b>	<b>0.0135</b>		<b>281.7787</b>

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

**3.24 230kV Sub Control Enclosure Delivery - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3097	3.6370	1.4871	4.3300e-003		0.1477	0.1477		0.1359	0.1359		419.0541	419.0541	0.1355		422.4423
<b>Total</b>	<b>0.3097</b>	<b>3.6370</b>	<b>1.4871</b>	<b>4.3300e-003</b>		<b>0.1477</b>	<b>0.1477</b>		<b>0.1359</b>	<b>0.1359</b>		<b>419.0541</b>	<b>419.0541</b>	<b>0.1355</b>		<b>422.4423</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9300e-003	0.1890	0.0522	4.0000e-004	9.2900e-003	5.3000e-004	9.8200e-003	2.6700e-003	5.1000e-004	3.1800e-003		42.7113	42.7113	2.4100e-003		42.7715
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.0537</b>	<b>0.2273</b>	<b>0.4390</b>	<b>1.4800e-003</b>	<b>0.1279</b>	<b>1.2600e-003</b>	<b>0.1292</b>	<b>0.0341</b>	<b>1.1900e-003</b>	<b>0.0353</b>		<b>149.7996</b>	<b>149.7996</b>	<b>5.6300e-003</b>		<b>149.9401</b>

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

**3.24 230kV Sub Control Enclosure Delivery - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3097	3.6370	1.4871	4.3300e-003		0.1477	0.1477		0.1359	0.1359	0.0000	419.0541	419.0541	0.1355		422.4423
<b>Total</b>	<b>0.3097</b>	<b>3.6370</b>	<b>1.4871</b>	<b>4.3300e-003</b>		<b>0.1477</b>	<b>0.1477</b>		<b>0.1359</b>	<b>0.1359</b>	<b>0.0000</b>	<b>419.0541</b>	<b>419.0541</b>	<b>0.1355</b>		<b>422.4423</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9300e-003	0.1890	0.0522	4.0000e-004	9.2900e-003	5.3000e-004	9.8200e-003	2.6700e-003	5.1000e-004	3.1800e-003		42.7113	42.7113	2.4100e-003		42.7715
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.0537</b>	<b>0.2273</b>	<b>0.4390</b>	<b>1.4800e-003</b>	<b>0.1279</b>	<b>1.2600e-003</b>	<b>0.1292</b>	<b>0.0341</b>	<b>1.1900e-003</b>	<b>0.0353</b>		<b>149.7996</b>	<b>149.7996</b>	<b>5.6300e-003</b>		<b>149.9401</b>

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

**3.25 70kV Substation Install Yard Rock - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1873	1.8958	2.2602	3.1100e-003		0.1118	0.1118		0.1028	0.1028		300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.1873</b>	<b>1.8958</b>	<b>2.2602</b>	<b>3.1100e-003</b>		<b>0.1118</b>	<b>0.1118</b>		<b>0.1028</b>	<b>0.1028</b>		<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0474	1.5123	0.4173	3.2100e-003	0.0743	4.2400e-003	0.0785	0.0214	4.0600e-003	0.0255		341.6903	341.6903	0.0193		342.1716
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.0952</b>	<b>1.5506</b>	<b>0.8041</b>	<b>4.2900e-003</b>	<b>0.1929</b>	<b>4.9700e-003</b>	<b>0.1979</b>	<b>0.0529</b>	<b>4.7400e-003</b>	<b>0.0576</b>		<b>448.7786</b>	<b>448.7786</b>	<b>0.0225</b>		<b>449.3403</b>

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

**3.25 70kV Substation Install Yard Rock - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1873	1.8958	2.2602	3.1100e-003		0.1118	0.1118		0.1028	0.1028	0.0000	300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.1873</b>	<b>1.8958</b>	<b>2.2602</b>	<b>3.1100e-003</b>		<b>0.1118</b>	<b>0.1118</b>		<b>0.1028</b>	<b>0.1028</b>	<b>0.0000</b>	<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0474	1.5123	0.4173	3.2100e-003	0.0743	4.2400e-003	0.0785	0.0214	4.0600e-003	0.0255		341.6903	341.6903	0.0193		342.1716
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.0952</b>	<b>1.5506</b>	<b>0.8041</b>	<b>4.2900e-003</b>	<b>0.1929</b>	<b>4.9700e-003</b>	<b>0.1979</b>	<b>0.0529</b>	<b>4.7400e-003</b>	<b>0.0576</b>		<b>448.7786</b>	<b>448.7786</b>	<b>0.0225</b>		<b>449.3403</b>

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

**3.26 230kV Sub Remaining Equipment Delivery - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4544	3.9475	2.7033	9.9100e-003		0.1448	0.1448		0.1332	0.1332		958.8923	958.8923	0.3101		966.6454
<b>Total</b>	<b>0.4544</b>	<b>3.9475</b>	<b>2.7033</b>	<b>9.9100e-003</b>		<b>0.1448</b>	<b>0.1448</b>		<b>0.1332</b>	<b>0.1332</b>		<b>958.8923</b>	<b>958.8923</b>	<b>0.3101</b>		<b>966.6454</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0830	2.6466	0.7303	5.6100e-003	0.1300	7.4200e-003	0.1374	0.0374	7.1000e-003	0.0445		597.9580	597.9580	0.0337		598.8003
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.1228</b>	<b>2.6785</b>	<b>1.0526</b>	<b>6.5100e-003</b>	<b>0.2289</b>	<b>8.0300e-003</b>	<b>0.2369</b>	<b>0.0637</b>	<b>7.6600e-003</b>	<b>0.0713</b>		<b>687.1982</b>	<b>687.1982</b>	<b>0.0364</b>		<b>688.1075</b>



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

**3.26 230kV Sub Remaining Equipment Delivery - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4544	3.9475	2.7033	9.9100e-003		0.1448	0.1448		0.1332	0.1332	0.0000	958.8923	958.8923	0.3101		966.6454
<b>Total</b>	<b>0.4544</b>	<b>3.9475</b>	<b>2.7033</b>	<b>9.9100e-003</b>		<b>0.1448</b>	<b>0.1448</b>		<b>0.1332</b>	<b>0.1332</b>	<b>0.0000</b>	<b>958.8923</b>	<b>958.8923</b>	<b>0.3101</b>		<b>966.6454</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0830	2.6466	0.7303	5.6100e-003	0.1300	7.4200e-003	0.1374	0.0374	7.1000e-003	0.0445		597.9580	597.9580	0.0337		598.8003
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.1228</b>	<b>2.6785</b>	<b>1.0526</b>	<b>6.5100e-003</b>	<b>0.2289</b>	<b>8.0300e-003</b>	<b>0.2369</b>	<b>0.0637</b>	<b>7.6600e-003</b>	<b>0.0713</b>		<b>687.1982</b>	<b>687.1982</b>	<b>0.0364</b>		<b>688.1075</b>

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

**3.27 70kV Substation Cleanup Restore - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0573</b>	<b>0.0000</b>	<b>0.0573</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0319	0.0255	0.2579	7.2000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		71.3922	71.3922	2.1400e-003		71.4458
<b>Total</b>	<b>0.0319</b>	<b>0.0255</b>	<b>0.2579</b>	<b>7.2000e-004</b>	<b>0.0791</b>	<b>4.9000e-004</b>	<b>0.0796</b>	<b>0.0210</b>	<b>4.5000e-004</b>	<b>0.0214</b>		<b>71.3922</b>	<b>71.3922</b>	<b>2.1400e-003</b>		<b>71.4458</b>

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

**3.27 70kV Substation Cleanup Restore - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.2386</b>	<b>0.0000</b>	<b>0.2386</b>	<b>0.0258</b>	<b>0.0000</b>	<b>0.0258</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0319	0.0255	0.2579	7.2000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		71.3922	71.3922	2.1400e-003		71.4458
<b>Total</b>	<b>0.0319</b>	<b>0.0255</b>	<b>0.2579</b>	<b>7.2000e-004</b>	<b>0.0791</b>	<b>4.9000e-004</b>	<b>0.0796</b>	<b>0.0210</b>	<b>4.5000e-004</b>	<b>0.0214</b>		<b>71.3922</b>	<b>71.3922</b>	<b>2.1400e-003</b>		<b>71.4458</b>

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

**3.28 230kV Sub Cable Install Termination - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0375	0.6006	1.0941	1.6800e-003		0.0115	0.0115		0.0105	0.0105		162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0375</b>	<b>0.6006</b>	<b>1.0941</b>	<b>1.6800e-003</b>		<b>0.0115</b>	<b>0.0115</b>		<b>0.0105</b>	<b>0.0105</b>		<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.8900e-003	0.2836	0.0782	6.0000e-004	0.0139	8.0000e-004	0.0147	4.0100e-003	7.6000e-004	4.7700e-003		64.0669	64.0669	3.6100e-003		64.1572
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.0487</b>	<b>0.3155</b>	<b>0.4006</b>	<b>1.5000e-003</b>	<b>0.1128</b>	<b>1.4100e-003</b>	<b>0.1142</b>	<b>0.0302</b>	<b>1.3200e-003</b>	<b>0.0316</b>		<b>153.3072</b>	<b>153.3072</b>	<b>6.2900e-003</b>		<b>153.4644</b>

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

**3.28 230kV Sub Cable Install Termination - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0375	0.6006	1.0941	1.6800e-003		0.0115	0.0115		0.0105	0.0105	0.0000	162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0375</b>	<b>0.6006</b>	<b>1.0941</b>	<b>1.6800e-003</b>		<b>0.0115</b>	<b>0.0115</b>		<b>0.0105</b>	<b>0.0105</b>	<b>0.0000</b>	<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.8900e-003	0.2836	0.0782	6.0000e-004	0.0139	8.0000e-004	0.0147	4.0100e-003	7.6000e-004	4.7700e-003		64.0669	64.0669	3.6100e-003		64.1572
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.0487</b>	<b>0.3155</b>	<b>0.4006</b>	<b>1.5000e-003</b>	<b>0.1128</b>	<b>1.4100e-003</b>	<b>0.1142</b>	<b>0.0302</b>	<b>1.3200e-003</b>	<b>0.0316</b>		<b>153.3072</b>	<b>153.3072</b>	<b>6.2900e-003</b>		<b>153.4644</b>

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

**3.29 70kV Substation Testing Commissioning - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0573</b>	<b>0.0000</b>	<b>0.0573</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9300e-003	0.1890	0.0522	4.0000e-004	9.2900e-003	5.3000e-004	9.8200e-003	2.6700e-003	5.1000e-004	3.1800e-003		42.7113	42.7113	2.4100e-003		42.7715
Worker	0.0319	0.0255	0.2579	7.2000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		71.3922	71.3922	2.1400e-003		71.4458
<b>Total</b>	<b>0.0378</b>	<b>0.2146</b>	<b>0.3100</b>	<b>1.1200e-003</b>	<b>0.0884</b>	<b>1.0200e-003</b>	<b>0.0894</b>	<b>0.0237</b>	<b>9.6000e-004</b>	<b>0.0246</b>		<b>114.1035</b>	<b>114.1035</b>	<b>4.5500e-003</b>		<b>114.2172</b>

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

**3.29 70kV Substation Testing Commissioning - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.2386</b>	<b>0.0000</b>	<b>0.2386</b>	<b>0.0258</b>	<b>0.0000</b>	<b>0.0258</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9300e-003	0.1890	0.0522	4.0000e-004	9.2900e-003	5.3000e-004	9.8200e-003	2.6700e-003	5.1000e-004	3.1800e-003		42.7113	42.7113	2.4100e-003		42.7715
Worker	0.0319	0.0255	0.2579	7.2000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		71.3922	71.3922	2.1400e-003		71.4458
<b>Total</b>	<b>0.0378</b>	<b>0.2146</b>	<b>0.3100</b>	<b>1.1200e-003</b>	<b>0.0884</b>	<b>1.0200e-003</b>	<b>0.0894</b>	<b>0.0237</b>	<b>9.6000e-004</b>	<b>0.0246</b>		<b>114.1035</b>	<b>114.1035</b>	<b>4.5500e-003</b>		<b>114.2172</b>

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

**3.30 230kV Sub Testing and Commissioning - 2021**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0771	2.4576	0.6781	5.2100e-003	0.1207	6.8900e-003	0.1276	0.0348	6.5900e-003	0.0414		555.2467	555.2467	0.0313		556.0288
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.1169</b>	<b>2.4895</b>	<b>1.0005</b>	<b>6.1100e-003</b>	<b>0.2196</b>	<b>7.5000e-003</b>	<b>0.2271</b>	<b>0.0610</b>	<b>7.1500e-003</b>	<b>0.0681</b>		<b>644.4869</b>	<b>644.4869</b>	<b>0.0340</b>		<b>645.3361</b>



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

**3.30 230kV Sub Testing and Commissioning - 2021**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0771	2.4576	0.6781	5.2100e-003	0.1207	6.8900e-003	0.1276	0.0348	6.5900e-003	0.0414		555.2467	555.2467	0.0313		556.0288
Worker	0.0398	0.0319	0.3224	9.0000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		89.2402	89.2402	2.6800e-003		89.3072
<b>Total</b>	<b>0.1169</b>	<b>2.4895</b>	<b>1.0005</b>	<b>6.1100e-003</b>	<b>0.2196</b>	<b>7.5000e-003</b>	<b>0.2271</b>	<b>0.0610</b>	<b>7.1500e-003</b>	<b>0.0681</b>		<b>644.4869</b>	<b>644.4869</b>	<b>0.0340</b>		<b>645.3361</b>

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

**3.31 230kV Substation Cleanup Restore - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3002	2.8932	3.1755	4.2500e-003		0.1851	0.1851		0.1703	0.1703		411.6887	411.6887	0.1332		415.0174
<b>Total</b>	<b>0.3002</b>	<b>2.8932</b>	<b>3.1755</b>	<b>4.2500e-003</b>	<b>0.0000</b>	<b>0.1851</b>	<b>0.1851</b>	<b>0.0000</b>	<b>0.1703</b>	<b>0.1703</b>		<b>411.6887</b>	<b>411.6887</b>	<b>0.1332</b>		<b>415.0174</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0860	2.7411	0.7564	5.8100e-003	0.1346	7.6900e-003	0.1423	0.0388	7.3500e-003	0.0461		619.3136	619.3136	0.0349		620.1860
Worker	0.0239	0.0192	0.1934	5.4000e-004	0.0593	3.7000e-004	0.0597	0.0157	3.4000e-004	0.0161		53.5441	53.5441	1.6100e-003		53.5843
<b>Total</b>	<b>0.1099</b>	<b>2.7603</b>	<b>0.9498</b>	<b>6.3500e-003</b>	<b>0.1940</b>	<b>8.0600e-003</b>	<b>0.2020</b>	<b>0.0545</b>	<b>7.6900e-003</b>	<b>0.0622</b>		<b>672.8578</b>	<b>672.8578</b>	<b>0.0365</b>		<b>673.7703</b>

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

**3.31 230kV Substation Cleanup Restore - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3002	2.8932	3.1755	4.2500e-003		0.1851	0.1851		0.1703	0.1703	0.0000	411.6887	411.6887	0.1332		415.0174
<b>Total</b>	<b>0.3002</b>	<b>2.8932</b>	<b>3.1755</b>	<b>4.2500e-003</b>	<b>0.0000</b>	<b>0.1851</b>	<b>0.1851</b>	<b>0.0000</b>	<b>0.1703</b>	<b>0.1703</b>	<b>0.0000</b>	<b>411.6887</b>	<b>411.6887</b>	<b>0.1332</b>		<b>415.0174</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0860	2.7411	0.7564	5.8100e-003	0.1346	7.6900e-003	0.1423	0.0388	7.3500e-003	0.0461		619.3136	619.3136	0.0349		620.1860
Worker	0.0239	0.0192	0.1934	5.4000e-004	0.0593	3.7000e-004	0.0597	0.0157	3.4000e-004	0.0161		53.5441	53.5441	1.6100e-003		53.5843
<b>Total</b>	<b>0.1099</b>	<b>2.7603</b>	<b>0.9498</b>	<b>6.3500e-003</b>	<b>0.1940</b>	<b>8.0600e-003</b>	<b>0.2020</b>	<b>0.0545</b>	<b>7.6900e-003</b>	<b>0.0622</b>		<b>672.8578</b>	<b>672.8578</b>	<b>0.0365</b>		<b>673.7703</b>

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

**3.32 70kV Power Line Site Work Prep - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.7731	9.8348	3.7809	0.0115		0.3374	0.3374		0.3104	0.3104		1,112.9762	1,112.9762	0.3600		1,121.9752
<b>Total</b>	<b>0.7731</b>	<b>9.8348</b>	<b>3.7809</b>	<b>0.0115</b>	<b>0.5303</b>	<b>0.3374</b>	<b>0.8677</b>	<b>0.0573</b>	<b>0.3104</b>	<b>0.3677</b>		<b>1,112.9762</b>	<b>1,112.9762</b>	<b>0.3600</b>		<b>1,121.9752</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0296	0.9452	0.2608	2.0000e-003	0.0464	2.6500e-003	0.0491	0.0134	2.5400e-003	0.0159		213.5564	213.5564	0.0120		213.8572
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.0774</b>	<b>0.9835</b>	<b>0.6476</b>	<b>3.0800e-003</b>	<b>0.1651</b>	<b>3.3800e-003</b>	<b>0.1685</b>	<b>0.0448</b>	<b>3.2200e-003</b>	<b>0.0481</b>		<b>320.6447</b>	<b>320.6447</b>	<b>0.0153</b>		<b>321.0259</b>

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

**3.32 70kV Power Line Site Work Prep - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.7731	9.8348	3.7809	0.0115		0.3374	0.3374		0.3104	0.3104	0.0000	1,112.9762	1,112.9762	0.3600		1,121.9752
<b>Total</b>	<b>0.7731</b>	<b>9.8348</b>	<b>3.7809</b>	<b>0.0115</b>	<b>0.2386</b>	<b>0.3374</b>	<b>0.5760</b>	<b>0.0258</b>	<b>0.3104</b>	<b>0.3362</b>	<b>0.0000</b>	<b>1,112.9762</b>	<b>1,112.9762</b>	<b>0.3600</b>		<b>1,121.9752</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0296	0.9452	0.2608	2.0000e-003	0.0464	2.6500e-003	0.0491	0.0134	2.5400e-003	0.0159		213.5564	213.5564	0.0120		213.8572
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.0774</b>	<b>0.9835</b>	<b>0.6476</b>	<b>3.0800e-003</b>	<b>0.1651</b>	<b>3.3800e-003</b>	<b>0.1685</b>	<b>0.0448</b>	<b>3.2200e-003</b>	<b>0.0481</b>		<b>320.6447</b>	<b>320.6447</b>	<b>0.0153</b>		<b>321.0259</b>

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

**3.33 Reconductoring Cleanup Restore - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.4334	5.3913	2.4555	6.5200e-003		0.1967	0.1967		0.1809	0.1809		631.7131	631.7131	0.2043		636.8208
<b>Total</b>	<b>0.4334</b>	<b>5.3913</b>	<b>2.4555</b>	<b>6.5200e-003</b>	<b>0.5303</b>	<b>0.1967</b>	<b>0.7269</b>	<b>0.0573</b>	<b>0.1809</b>	<b>0.2382</b>		<b>631.7131</b>	<b>631.7131</b>	<b>0.2043</b>		<b>636.8208</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0148	0.4726	0.1304	1.0000e-003	0.0232	1.3300e-003	0.0245	6.6900e-003	1.2700e-003	7.9500e-003		106.7782	106.7782	6.0200e-003		106.9286
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.0626</b>	<b>0.5109</b>	<b>0.5172</b>	<b>2.0800e-003</b>	<b>0.1418</b>	<b>2.0600e-003</b>	<b>0.1439</b>	<b>0.0382</b>	<b>1.9500e-003</b>	<b>0.0401</b>		<b>213.8665</b>	<b>213.8665</b>	<b>9.2400e-003</b>		<b>214.0973</b>

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

**3.33 Reconductoring Cleanup Restore - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.4334	5.3913	2.4555	6.5200e-003		0.1967	0.1967		0.1809	0.1809	0.0000	631.7131	631.7131	0.2043		636.8208
<b>Total</b>	<b>0.4334</b>	<b>5.3913</b>	<b>2.4555</b>	<b>6.5200e-003</b>	<b>0.2386</b>	<b>0.1967</b>	<b>0.4353</b>	<b>0.0258</b>	<b>0.1809</b>	<b>0.2067</b>	<b>0.0000</b>	<b>631.7131</b>	<b>631.7131</b>	<b>0.2043</b>		<b>636.8208</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0148	0.4726	0.1304	1.0000e-003	0.0232	1.3300e-003	0.0245	6.6900e-003	1.2700e-003	7.9500e-003		106.7782	106.7782	6.0200e-003		106.9286
Worker	0.0478	0.0383	0.3868	1.0800e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		107.0883	107.0883	3.2200e-003		107.1687
<b>Total</b>	<b>0.0626</b>	<b>0.5109</b>	<b>0.5172</b>	<b>2.0800e-003</b>	<b>0.1418</b>	<b>2.0600e-003</b>	<b>0.1439</b>	<b>0.0382</b>	<b>1.9500e-003</b>	<b>0.0401</b>		<b>213.8665</b>	<b>213.8665</b>	<b>9.2400e-003</b>		<b>214.0973</b>

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

**3.34 70kV Power Line Pole Tower Install - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5144	22.7423	15.8669	0.0522		0.8859	0.8859		0.8151	0.8151		5,055.0999	5,055.0999	1.6349		5,095.9730
<b>Total</b>	<b>2.5144</b>	<b>22.7423</b>	<b>15.8669</b>	<b>0.0522</b>		<b>0.8859</b>	<b>0.8859</b>		<b>0.8151</b>	<b>0.8151</b>		<b>5,055.0999</b>	<b>5,055.0999</b>	<b>1.6349</b>		<b>5,095.9730</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0445	1.4178	0.3912	3.0100e-003	0.0696	3.9800e-003	0.0736	0.0201	3.8000e-003	0.0239		320.3346	320.3346	0.0181		320.7859
Worker	0.1673	0.1340	1.3539	3.7600e-003	0.4152	2.5700e-003	0.4178	0.1101	2.3700e-003	0.1125		374.8089	374.8089	0.0113		375.0903
<b>Total</b>	<b>0.2118</b>	<b>1.5518</b>	<b>1.7451</b>	<b>6.7700e-003</b>	<b>0.4849</b>	<b>6.5500e-003</b>	<b>0.4914</b>	<b>0.1302</b>	<b>6.1700e-003</b>	<b>0.1364</b>		<b>695.1436</b>	<b>695.1436</b>	<b>0.0293</b>		<b>695.8762</b>



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

**3.34 70kV Power Line Pole Tower Install - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5144	22.7423	15.8669	0.0522		0.8859	0.8859		0.8151	0.8151	0.0000	5,055.0999	5,055.0999	1.6349		5,095.9730
<b>Total</b>	<b>2.5144</b>	<b>22.7423</b>	<b>15.8669</b>	<b>0.0522</b>		<b>0.8859</b>	<b>0.8859</b>		<b>0.8151</b>	<b>0.8151</b>	<b>0.0000</b>	<b>5,055.0999</b>	<b>5,055.0999</b>	<b>1.6349</b>		<b>5,095.9730</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0445	1.4178	0.3912	3.0100e-003	0.0696	3.9800e-003	0.0736	0.0201	3.8000e-003	0.0239		320.3346	320.3346	0.0181		320.7859
Worker	0.1673	0.1340	1.3539	3.7600e-003	0.4152	2.5700e-003	0.4178	0.1101	2.3700e-003	0.1125		374.8089	374.8089	0.0113		375.0903
<b>Total</b>	<b>0.2118</b>	<b>1.5518</b>	<b>1.7451</b>	<b>6.7700e-003</b>	<b>0.4849</b>	<b>6.5500e-003</b>	<b>0.4914</b>	<b>0.1302</b>	<b>6.1700e-003</b>	<b>0.1364</b>		<b>695.1436</b>	<b>695.1436</b>	<b>0.0293</b>		<b>695.8762</b>

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

**3.34 70kV Power Line Pole Tower Install - 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	lb/day										lb/day					
Off-Road	2.2007	17.8158	14.9397	0.0522		0.6878	0.6878		0.6328	0.6328		5,057.1027	5,057.1027	1.6356		5,097.9919
<b>Total</b>	<b>2.2007</b>	<b>17.8158</b>	<b>14.9397</b>	<b>0.0522</b>		<b>0.6878</b>	<b>0.6878</b>		<b>0.6328</b>	<b>0.6328</b>		<b>5,057.1027</b>	<b>5,057.1027</b>	<b>1.6356</b>		<b>5,097.9919</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0411	1.3483	0.3608	2.9800e-003	0.0697	3.4900e-003	0.0732	0.0201	3.3400e-003	0.0234		318.2166	318.2166	0.0178		318.6623
Worker	0.1570	0.1205	1.2423	3.6300e-003	0.4152	2.5000e-003	0.4177	0.1101	2.3000e-003	0.1124		361.4073	361.4073	0.0101		361.6597
<b>Total</b>	<b>0.1981</b>	<b>1.4688</b>	<b>1.6031</b>	<b>6.6100e-003</b>	<b>0.4849</b>	<b>5.9900e-003</b>	<b>0.4909</b>	<b>0.1302</b>	<b>5.6400e-003</b>	<b>0.1358</b>		<b>679.6239</b>	<b>679.6239</b>	<b>0.0279</b>		<b>680.3220</b>

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

**3.34 70kV Power Line Pole Tower Install - 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	lb/day										lb/day					
Off-Road	2.2007	17.8158	14.9397	0.0522		0.6878	0.6878		0.6328	0.6328	0.0000	5,057.1026	5,057.1026	1.6356		5,097.9919
<b>Total</b>	<b>2.2007</b>	<b>17.8158</b>	<b>14.9397</b>	<b>0.0522</b>		<b>0.6878</b>	<b>0.6878</b>		<b>0.6328</b>	<b>0.6328</b>	<b>0.0000</b>	<b>5,057.1026</b>	<b>5,057.1026</b>	<b>1.6356</b>		<b>5,097.9919</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0411	1.3483	0.3608	2.9800e-003	0.0697	3.4900e-003	0.0732	0.0201	3.3400e-003	0.0234		318.2166	318.2166	0.0178		318.6623
Worker	0.1570	0.1205	1.2423	3.6300e-003	0.4152	2.5000e-003	0.4177	0.1101	2.3000e-003	0.1124		361.4073	361.4073	0.0101		361.6597
<b>Total</b>	<b>0.1981</b>	<b>1.4688</b>	<b>1.6031</b>	<b>6.6100e-003</b>	<b>0.4849</b>	<b>5.9900e-003</b>	<b>0.4909</b>	<b>0.1302</b>	<b>5.6400e-003</b>	<b>0.1358</b>		<b>679.6239</b>	<b>679.6239</b>	<b>0.0279</b>		<b>680.3220</b>

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

**3.35 Distribution Facilities 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	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>	<b>0.5303</b>	<b>0.0901</b>	<b>0.6204</b>	<b>0.0573</b>	<b>0.0829</b>	<b>0.1402</b>		<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0164	0.5393	0.1443	1.1900e-003	0.0279	1.4000e-003	0.0293	8.0300e-003	1.3400e-003	9.3600e-003		127.2867	127.2867	7.1300e-003		127.4649
Worker	0.0448	0.0344	0.3550	1.0400e-003	0.1186	7.1000e-004	0.1194	0.0315	6.6000e-004	0.0321		103.2592	103.2592	2.8900e-003		103.3314
<b>Total</b>	<b>0.0613</b>	<b>0.5738</b>	<b>0.4993</b>	<b>2.2300e-003</b>	<b>0.1465</b>	<b>2.1100e-003</b>	<b>0.1486</b>	<b>0.0395</b>	<b>2.0000e-003</b>	<b>0.0415</b>		<b>230.5459</b>	<b>230.5459</b>	<b>0.0100</b>		<b>230.7963</b>

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

**3.35 Distribution Facilities 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	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>	<b>0.2386</b>	<b>0.0901</b>	<b>0.3287</b>	<b>0.0258</b>	<b>0.0829</b>	<b>0.1087</b>	<b>0.0000</b>	<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0164	0.5393	0.1443	1.1900e-003	0.0279	1.4000e-003	0.0293	8.0300e-003	1.3400e-003	9.3600e-003		127.2867	127.2867	7.1300e-003		127.4649
Worker	0.0448	0.0344	0.3550	1.0400e-003	0.1186	7.1000e-004	0.1194	0.0315	6.6000e-004	0.0321		103.2592	103.2592	2.8900e-003		103.3314
<b>Total</b>	<b>0.0613</b>	<b>0.5738</b>	<b>0.4993</b>	<b>2.2300e-003</b>	<b>0.1465</b>	<b>2.1100e-003</b>	<b>0.1486</b>	<b>0.0395</b>	<b>2.0000e-003</b>	<b>0.0415</b>		<b>230.5459</b>	<b>230.5459</b>	<b>0.0100</b>		<b>230.7963</b>

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

**3.36 Distribution 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	lb/day										lb/day					
Off-Road	0.0824	0.8378	1.1190	1.5600e-003		0.0451	0.0451		0.0415	0.0415		150.6195	150.6195	0.0487		151.8373
<b>Total</b>	<b>0.0824</b>	<b>0.8378</b>	<b>1.1190</b>	<b>1.5600e-003</b>		<b>0.0451</b>	<b>0.0451</b>		<b>0.0415</b>	<b>0.0415</b>		<b>150.6195</b>	<b>150.6195</b>	<b>0.0487</b>		<b>151.8373</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0164	0.5393	0.1443	1.1900e-003	0.0279	1.4000e-003	0.0293	8.0300e-003	1.3400e-003	9.3600e-003		127.2867	127.2867	7.1300e-003		127.4649
Worker	0.0897	0.0689	0.7099	2.0700e-003	0.2373	1.4300e-003	0.2387	0.0629	1.3200e-003	0.0642		206.5184	206.5184	5.7700e-003		206.6627
<b>Total</b>	<b>0.1061</b>	<b>0.6082</b>	<b>0.8542</b>	<b>3.2600e-003</b>	<b>0.2651</b>	<b>2.8300e-003</b>	<b>0.2680</b>	<b>0.0710</b>	<b>2.6600e-003</b>	<b>0.0736</b>		<b>333.8051</b>	<b>333.8051</b>	<b>0.0129</b>		<b>334.1276</b>

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

**3.36 Distribution 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	lb/day										lb/day					
Off-Road	0.0824	0.8378	1.1190	1.5600e-003		0.0451	0.0451		0.0415	0.0415	0.0000	150.6195	150.6195	0.0487		151.8373
<b>Total</b>	<b>0.0824</b>	<b>0.8378</b>	<b>1.1190</b>	<b>1.5600e-003</b>		<b>0.0451</b>	<b>0.0451</b>		<b>0.0415</b>	<b>0.0415</b>	<b>0.0000</b>	<b>150.6195</b>	<b>150.6195</b>	<b>0.0487</b>		<b>151.8373</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0164	0.5393	0.1443	1.1900e-003	0.0279	1.4000e-003	0.0293	8.0300e-003	1.3400e-003	9.3600e-003		127.2867	127.2867	7.1300e-003		127.4649
Worker	0.0897	0.0689	0.7099	2.0700e-003	0.2373	1.4300e-003	0.2387	0.0629	1.3200e-003	0.0642		206.5184	206.5184	5.7700e-003		206.6627
<b>Total</b>	<b>0.1061</b>	<b>0.6082</b>	<b>0.8542</b>	<b>3.2600e-003</b>	<b>0.2651</b>	<b>2.8300e-003</b>	<b>0.2680</b>	<b>0.0710</b>	<b>2.6600e-003</b>	<b>0.0736</b>		<b>333.8051</b>	<b>333.8051</b>	<b>0.0129</b>		<b>334.1276</b>

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

**3.37 Distribution Ground Grid - 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	lb/day										lb/day					
Off-Road	0.0699	0.7846	0.3548	1.0800e-003		0.0326	0.0326		0.0300	0.0300		104.7807	104.7807	0.0339		105.6279
<b>Total</b>	<b>0.0699</b>	<b>0.7846</b>	<b>0.3548</b>	<b>1.0800e-003</b>		<b>0.0326</b>	<b>0.0326</b>		<b>0.0300</b>	<b>0.0300</b>		<b>104.7807</b>	<b>104.7807</b>	<b>0.0339</b>		<b>105.6279</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0110	0.3596	0.0962	8.0000e-004	0.0186	9.3000e-004	0.0195	5.3500e-003	8.9000e-004	6.2400e-003		84.8578	84.8578	4.7500e-003		84.9766
Worker	0.0747	0.0574	0.5916	1.7300e-003	0.1977	1.1900e-003	0.1989	0.0524	1.1000e-003	0.0535		172.0987	172.0987	4.8100e-003		172.2189
<b>Total</b>	<b>0.0857</b>	<b>0.4169</b>	<b>0.6878</b>	<b>2.5300e-003</b>	<b>0.2163</b>	<b>2.1200e-003</b>	<b>0.2184</b>	<b>0.0578</b>	<b>1.9900e-003</b>	<b>0.0598</b>		<b>256.9565</b>	<b>256.9565</b>	<b>9.5600e-003</b>		<b>257.1955</b>



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

**3.37 Distribution Ground Grid - 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	lb/day										lb/day					
Off-Road	0.0699	0.7846	0.3548	1.0800e-003		0.0326	0.0326		0.0300	0.0300	0.0000	104.7807	104.7807	0.0339		105.6279
<b>Total</b>	<b>0.0699</b>	<b>0.7846</b>	<b>0.3548</b>	<b>1.0800e-003</b>		<b>0.0326</b>	<b>0.0326</b>		<b>0.0300</b>	<b>0.0300</b>	<b>0.0000</b>	<b>104.7807</b>	<b>104.7807</b>	<b>0.0339</b>		<b>105.6279</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0110	0.3596	0.0962	8.0000e-004	0.0186	9.3000e-004	0.0195	5.3500e-003	8.9000e-004	6.2400e-003		84.8578	84.8578	4.7500e-003		84.9766
Worker	0.0747	0.0574	0.5916	1.7300e-003	0.1977	1.1900e-003	0.1989	0.0524	1.1000e-003	0.0535		172.0987	172.0987	4.8100e-003		172.2189
<b>Total</b>	<b>0.0857</b>	<b>0.4169</b>	<b>0.6878</b>	<b>2.5300e-003</b>	<b>0.2163</b>	<b>2.1200e-003</b>	<b>0.2184</b>	<b>0.0578</b>	<b>1.9900e-003</b>	<b>0.0598</b>		<b>256.9565</b>	<b>256.9565</b>	<b>9.5600e-003</b>		<b>257.1955</b>

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

**3.38 Distribution 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	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.2200e-003	0.2697	0.0722	6.0000e-004	0.0139	7.0000e-004	0.0146	4.0100e-003	6.7000e-004	4.6800e-003		63.6433	63.6433	3.5600e-003		63.7325
Worker	0.0374	0.0287	0.2958	8.6000e-004	0.0989	5.9000e-004	0.0995	0.0262	5.5000e-004	0.0268		86.0494	86.0494	2.4000e-003		86.1095
<b>Total</b>	<b>0.0456</b>	<b>0.2984</b>	<b>0.3680</b>	<b>1.4600e-003</b>	<b>0.1128</b>	<b>1.2900e-003</b>	<b>0.1141</b>	<b>0.0302</b>	<b>1.2200e-003</b>	<b>0.0315</b>		<b>149.6927</b>	<b>149.6927</b>	<b>5.9600e-003</b>		<b>149.8419</b>

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

**3.38 Distribution 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	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.2200e-003	0.2697	0.0722	6.0000e-004	0.0139	7.0000e-004	0.0146	4.0100e-003	6.7000e-004	4.6800e-003		63.6433	63.6433	3.5600e-003		63.7325
Worker	0.0374	0.0287	0.2958	8.6000e-004	0.0989	5.9000e-004	0.0995	0.0262	5.5000e-004	0.0268		86.0494	86.0494	2.4000e-003		86.1095
<b>Total</b>	<b>0.0456</b>	<b>0.2984</b>	<b>0.3680</b>	<b>1.4600e-003</b>	<b>0.1128</b>	<b>1.2900e-003</b>	<b>0.1141</b>	<b>0.0302</b>	<b>1.2200e-003</b>	<b>0.0315</b>		<b>149.6927</b>	<b>149.6927</b>	<b>5.9600e-003</b>		<b>149.8419</b>

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

**3.39 Distribution Bank Breaker - 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	lb/day										lb/day					
Off-Road	0.0933	1.0461	0.4731	1.4400e-003		0.0434	0.0434		0.0400	0.0400		139.7076	139.7076	0.0452		140.8372
<b>Total</b>	<b>0.0933</b>	<b>1.0461</b>	<b>0.4731</b>	<b>1.4400e-003</b>		<b>0.0434</b>	<b>0.0434</b>		<b>0.0400</b>	<b>0.0400</b>		<b>139.7076</b>	<b>139.7076</b>	<b>0.0452</b>		<b>140.8372</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.4800e-003	0.1798	0.0481	4.0000e-004	9.2900e-003	4.7000e-004	9.7500e-003	2.6800e-003	4.5000e-004	3.1200e-003		42.4289	42.4289	2.3800e-003		42.4883
Worker	0.0374	0.0287	0.2958	8.6000e-004	0.0989	5.9000e-004	0.0995	0.0262	5.5000e-004	0.0268		86.0494	86.0494	2.4000e-003		86.1095
<b>Total</b>	<b>0.0429</b>	<b>0.2085</b>	<b>0.3439</b>	<b>1.2600e-003</b>	<b>0.1082</b>	<b>1.0600e-003</b>	<b>0.1092</b>	<b>0.0289</b>	<b>1.0000e-003</b>	<b>0.0299</b>		<b>128.4782</b>	<b>128.4782</b>	<b>4.7800e-003</b>		<b>128.5978</b>

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

**3.39 Distribution Bank Breaker - 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	lb/day										lb/day					
Off-Road	0.0933	1.0461	0.4731	1.4400e-003		0.0434	0.0434		0.0400	0.0400	0.0000	139.7076	139.7076	0.0452		140.8372
<b>Total</b>	<b>0.0933</b>	<b>1.0461</b>	<b>0.4731</b>	<b>1.4400e-003</b>		<b>0.0434</b>	<b>0.0434</b>		<b>0.0400</b>	<b>0.0400</b>	<b>0.0000</b>	<b>139.7076</b>	<b>139.7076</b>	<b>0.0452</b>		<b>140.8372</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.4800e-003	0.1798	0.0481	4.0000e-004	9.2900e-003	4.7000e-004	9.7500e-003	2.6800e-003	4.5000e-004	3.1200e-003		42.4289	42.4289	2.3800e-003		42.4883
Worker	0.0374	0.0287	0.2958	8.6000e-004	0.0989	5.9000e-004	0.0995	0.0262	5.5000e-004	0.0268		86.0494	86.0494	2.4000e-003		86.1095
<b>Total</b>	<b>0.0429</b>	<b>0.2085</b>	<b>0.3439</b>	<b>1.2600e-003</b>	<b>0.1082</b>	<b>1.0600e-003</b>	<b>0.1092</b>	<b>0.0289</b>	<b>1.0000e-003</b>	<b>0.0299</b>		<b>128.4782</b>	<b>128.4782</b>	<b>4.7800e-003</b>		<b>128.5978</b>

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

**3.40 Distribution Feeder Conduit - 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	lb/day										lb/day					
Off-Road	0.5552	4.2860	3.7224	0.0137		0.1606	0.1606		0.1478	0.1478		1,327.9366	1,327.9366	0.4295		1,338.6737
<b>Total</b>	<b>0.5552</b>	<b>4.2860</b>	<b>3.7224</b>	<b>0.0137</b>		<b>0.1606</b>	<b>0.1606</b>		<b>0.1478</b>	<b>0.1478</b>		<b>1,327.9366</b>	<b>1,327.9366</b>	<b>0.4295</b>		<b>1,338.6737</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.2200e-003	0.2697	0.0722	6.0000e-004	0.0139	7.0000e-004	0.0146	4.0100e-003	6.7000e-004	4.6800e-003		63.6433	63.6433	3.5600e-003		63.7325
Worker	0.0598	0.0459	0.4733	1.3800e-003	0.1582	9.5000e-004	0.1591	0.0420	8.8000e-004	0.0428		137.6790	137.6790	3.8500e-003		137.7751
<b>Total</b>	<b>0.0680</b>	<b>0.3156</b>	<b>0.5454</b>	<b>1.9800e-003</b>	<b>0.1721</b>	<b>1.6500e-003</b>	<b>0.1738</b>	<b>0.0460</b>	<b>1.5500e-003</b>	<b>0.0475</b>		<b>201.3223</b>	<b>201.3223</b>	<b>7.4100e-003</b>		<b>201.5076</b>

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

**3.40 Distribution Feeder Conduit - 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	lb/day										lb/day					
Off-Road	0.5552	4.2860	3.7224	0.0137		0.1606	0.1606		0.1478	0.1478	0.0000	1,327.9366	1,327.9366	0.4295		1,338.6737
<b>Total</b>	<b>0.5552</b>	<b>4.2860</b>	<b>3.7224</b>	<b>0.0137</b>		<b>0.1606</b>	<b>0.1606</b>		<b>0.1478</b>	<b>0.1478</b>	<b>0.0000</b>	<b>1,327.9366</b>	<b>1,327.9366</b>	<b>0.4295</b>		<b>1,338.6737</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.2200e-003	0.2697	0.0722	6.0000e-004	0.0139	7.0000e-004	0.0146	4.0100e-003	6.7000e-004	4.6800e-003		63.6433	63.6433	3.5600e-003		63.7325
Worker	0.0598	0.0459	0.4733	1.3800e-003	0.1582	9.5000e-004	0.1591	0.0420	8.8000e-004	0.0428		137.6790	137.6790	3.8500e-003		137.7751
<b>Total</b>	<b>0.0680</b>	<b>0.3156</b>	<b>0.5454</b>	<b>1.9800e-003</b>	<b>0.1721</b>	<b>1.6500e-003</b>	<b>0.1738</b>	<b>0.0460</b>	<b>1.5500e-003</b>	<b>0.0475</b>		<b>201.3223</b>	<b>201.3223</b>	<b>7.4100e-003</b>		<b>201.5076</b>

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

**3.41 Distribution Cable Install - 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	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0829</b>	<b>0.0829</b>		<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.2200e-003	0.2697	0.0722	6.0000e-004	0.0139	7.0000e-004	0.0146	4.0100e-003	6.7000e-004	4.6800e-003		63.6433	63.6433	3.5600e-003		63.7325
Worker	0.0374	0.0287	0.2958	8.6000e-004	0.0989	5.9000e-004	0.0995	0.0262	5.5000e-004	0.0268		86.0494	86.0494	2.4000e-003		86.1095
<b>Total</b>	<b>0.0456</b>	<b>0.2984</b>	<b>0.3680</b>	<b>1.4600e-003</b>	<b>0.1128</b>	<b>1.2900e-003</b>	<b>0.1141</b>	<b>0.0302</b>	<b>1.2200e-003</b>	<b>0.0315</b>		<b>149.6927</b>	<b>149.6927</b>	<b>5.9600e-003</b>		<b>149.8419</b>



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

**3.41 Distribution Cable Install - 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	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0829</b>	<b>0.0829</b>	<b>0.0000</b>	<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.2200e-003	0.2697	0.0722	6.0000e-004	0.0139	7.0000e-004	0.0146	4.0100e-003	6.7000e-004	4.6800e-003		63.6433	63.6433	3.5600e-003		63.7325
Worker	0.0374	0.0287	0.2958	8.6000e-004	0.0989	5.9000e-004	0.0995	0.0262	5.5000e-004	0.0268		86.0494	86.0494	2.4000e-003		86.1095
<b>Total</b>	<b>0.0456</b>	<b>0.2984</b>	<b>0.3680</b>	<b>1.4600e-003</b>	<b>0.1128</b>	<b>1.2900e-003</b>	<b>0.1141</b>	<b>0.0302</b>	<b>1.2200e-003</b>	<b>0.0315</b>		<b>149.6927</b>	<b>149.6927</b>	<b>5.9600e-003</b>		<b>149.8419</b>

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

**3.42 Distribution Testing - 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	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.7400e-003	0.0899	0.0241	2.0000e-004	4.6400e-003	2.3000e-004	4.8800e-003	1.3400e-003	2.2000e-004	1.5600e-003		21.2144	21.2144	1.1900e-003		21.2442
Worker	0.0224	0.0172	0.1775	5.2000e-004	0.0593	3.6000e-004	0.0597	0.0157	3.3000e-004	0.0161		51.6296	51.6296	1.4400e-003		51.6657
<b>Total</b>	<b>0.0252</b>	<b>0.1071</b>	<b>0.2015</b>	<b>7.2000e-004</b>	<b>0.0640</b>	<b>5.9000e-004</b>	<b>0.0646</b>	<b>0.0171</b>	<b>5.5000e-004</b>	<b>0.0176</b>		<b>72.8441</b>	<b>72.8441</b>	<b>2.6300e-003</b>		<b>72.9098</b>

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

**3.42 Distribution Testing - 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	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.7400e-003	0.0899	0.0241	2.0000e-004	4.6400e-003	2.3000e-004	4.8800e-003	1.3400e-003	2.2000e-004	1.5600e-003		21.2144	21.2144	1.1900e-003		21.2442
Worker	0.0224	0.0172	0.1775	5.2000e-004	0.0593	3.6000e-004	0.0597	0.0157	3.3000e-004	0.0161		51.6296	51.6296	1.4400e-003		51.6657
<b>Total</b>	<b>0.0252</b>	<b>0.1071</b>	<b>0.2015</b>	<b>7.2000e-004</b>	<b>0.0640</b>	<b>5.9000e-004</b>	<b>0.0646</b>	<b>0.0171</b>	<b>5.5000e-004</b>	<b>0.0176</b>		<b>72.8441</b>	<b>72.8441</b>	<b>2.6300e-003</b>		<b>72.9098</b>

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

**3.43 Distribution Cleanup Restore - 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	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.0824	0.8378	1.1190	1.5600e-003		0.0451	0.0451		0.0415	0.0415		150.6195	150.6195	0.0487		151.8373
<b>Total</b>	<b>0.0824</b>	<b>0.8378</b>	<b>1.1190</b>	<b>1.5600e-003</b>	<b>0.5303</b>	<b>0.0451</b>	<b>0.5753</b>	<b>0.0573</b>	<b>0.0415</b>	<b>0.0987</b>		<b>150.6195</b>	<b>150.6195</b>	<b>0.0487</b>		<b>151.8373</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0164	0.5393	0.1443	1.1900e-003	0.0279	1.4000e-003	0.0293	8.0300e-003	1.3400e-003	9.3600e-003		127.2867	127.2867	7.1300e-003		127.4649
Worker	0.0224	0.0172	0.1775	5.2000e-004	0.0593	3.6000e-004	0.0597	0.0157	3.3000e-004	0.0161		51.6296	51.6296	1.4400e-003		51.6657
<b>Total</b>	<b>0.0389</b>	<b>0.5565</b>	<b>0.3218</b>	<b>1.7100e-003</b>	<b>0.0872</b>	<b>1.7600e-003</b>	<b>0.0889</b>	<b>0.0238</b>	<b>1.6700e-003</b>	<b>0.0254</b>		<b>178.9163</b>	<b>178.9163</b>	<b>8.5700e-003</b>		<b>179.1306</b>

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

**3.43 Distribution Cleanup Restore - 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	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.0824	0.8378	1.1190	1.5600e-003		0.0451	0.0451		0.0415	0.0415	0.0000	150.6195	150.6195	0.0487		151.8373
<b>Total</b>	<b>0.0824</b>	<b>0.8378</b>	<b>1.1190</b>	<b>1.5600e-003</b>	<b>0.2386</b>	<b>0.0451</b>	<b>0.2837</b>	<b>0.0258</b>	<b>0.0415</b>	<b>0.0672</b>	<b>0.0000</b>	<b>150.6195</b>	<b>150.6195</b>	<b>0.0487</b>		<b>151.8373</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0164	0.5393	0.1443	1.1900e-003	0.0279	1.4000e-003	0.0293	8.0300e-003	1.3400e-003	9.3600e-003		127.2867	127.2867	7.1300e-003		127.4649
Worker	0.0224	0.0172	0.1775	5.2000e-004	0.0593	3.6000e-004	0.0597	0.0157	3.3000e-004	0.0161		51.6296	51.6296	1.4400e-003		51.6657
<b>Total</b>	<b>0.0389</b>	<b>0.5565</b>	<b>0.3218</b>	<b>1.7100e-003</b>	<b>0.0872</b>	<b>1.7600e-003</b>	<b>0.0889</b>	<b>0.0238</b>	<b>1.6700e-003</b>	<b>0.0254</b>		<b>178.9163</b>	<b>178.9163</b>	<b>8.5700e-003</b>		<b>179.1306</b>

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

**3.44 70kV Power Line Conductor Install - 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	lb/day										lb/day					
Off-Road	2.6031	23.3806	16.8305	0.0537		0.9761	0.9761		0.8980	0.8980		5,202.1167	5,202.1167	1.6825		5,244.1784
<b>Total</b>	<b>2.6031</b>	<b>23.3806</b>	<b>16.8305</b>	<b>0.0537</b>		<b>0.9761</b>	<b>0.9761</b>		<b>0.8980</b>	<b>0.8980</b>		<b>5,202.1167</b>	<b>5,202.1167</b>	<b>1.6825</b>		<b>5,244.1784</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0274	0.8989	0.2405	1.9900e-003	0.0464	2.3300e-003	0.0488	0.0134	2.2300e-003	0.0156		212.1444	212.1444	0.0119		212.4415
Worker	0.1345	0.1033	1.0649	3.1100e-003	0.3559	2.1400e-003	0.3580	0.0944	1.9700e-003	0.0964		309.7777	309.7777	8.6600e-003		309.9941
<b>Total</b>	<b>0.1619</b>	<b>1.0022</b>	<b>1.3054</b>	<b>5.1000e-003</b>	<b>0.4023</b>	<b>4.4700e-003</b>	<b>0.4068</b>	<b>0.1078</b>	<b>4.2000e-003</b>	<b>0.1120</b>		<b>521.9221</b>	<b>521.9221</b>	<b>0.0205</b>		<b>522.4356</b>

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

**3.44 70kV Power Line Conductor Install - 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	lb/day										lb/day					
Off-Road	2.6031	23.3806	16.8305	0.0537		0.9761	0.9761		0.8980	0.8980	0.0000	5,202.1167	5,202.1167	1.6825		5,244.1784
<b>Total</b>	<b>2.6031</b>	<b>23.3806</b>	<b>16.8305</b>	<b>0.0537</b>		<b>0.9761</b>	<b>0.9761</b>		<b>0.8980</b>	<b>0.8980</b>	<b>0.0000</b>	<b>5,202.1167</b>	<b>5,202.1167</b>	<b>1.6825</b>		<b>5,244.1784</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0274	0.8989	0.2405	1.9900e-003	0.0464	2.3300e-003	0.0488	0.0134	2.2300e-003	0.0156		212.1444	212.1444	0.0119		212.4415
Worker	0.1345	0.1033	1.0649	3.1100e-003	0.3559	2.1400e-003	0.3580	0.0944	1.9700e-003	0.0964		309.7777	309.7777	8.6600e-003		309.9941
<b>Total</b>	<b>0.1619</b>	<b>1.0022</b>	<b>1.3054</b>	<b>5.1000e-003</b>	<b>0.4023</b>	<b>4.4700e-003</b>	<b>0.4068</b>	<b>0.1078</b>	<b>4.2000e-003</b>	<b>0.1120</b>		<b>521.9221</b>	<b>521.9221</b>	<b>0.0205</b>		<b>522.4356</b>

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

**3.45 70kV Power Line Cleanup Restore - 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	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.3936	4.7810	2.4103	6.5200e-003		0.1705	0.1705		0.1568	0.1568		631.5787	631.5787	0.2043		636.6853
<b>Total</b>	<b>0.3936</b>	<b>4.7810</b>	<b>2.4103</b>	<b>6.5200e-003</b>	<b>0.5303</b>	<b>0.1705</b>	<b>0.7007</b>	<b>0.0573</b>	<b>0.1568</b>	<b>0.2141</b>		<b>631.5787</b>	<b>631.5787</b>	<b>0.2043</b>		<b>636.6853</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.6292	0.1684	1.3900e-003	0.0325	1.6300e-003	0.0341	9.3600e-003	1.5600e-003	0.0109		148.5011	148.5011	8.3200e-003		148.7091
Worker	0.0448	0.0344	0.3550	1.0400e-003	0.1186	7.1000e-004	0.1194	0.0315	6.6000e-004	0.0321		103.2592	103.2592	2.8900e-003		103.3314
<b>Total</b>	<b>0.0640</b>	<b>0.6637</b>	<b>0.5233</b>	<b>2.4300e-003</b>	<b>0.1511</b>	<b>2.3400e-003</b>	<b>0.1535</b>	<b>0.0408</b>	<b>2.2200e-003</b>	<b>0.0430</b>		<b>251.7603</b>	<b>251.7603</b>	<b>0.0112</b>		<b>252.0404</b>



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

**3.45 70kV Power Line Cleanup Restore - 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	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.3936	4.7810	2.4103	6.5200e-003		0.1705	0.1705		0.1568	0.1568	0.0000	631.5787	631.5787	0.2043		636.6853
<b>Total</b>	<b>0.3936</b>	<b>4.7810</b>	<b>2.4103</b>	<b>6.5200e-003</b>	<b>0.2386</b>	<b>0.1705</b>	<b>0.4091</b>	<b>0.0258</b>	<b>0.1568</b>	<b>0.1826</b>	<b>0.0000</b>	<b>631.5787</b>	<b>631.5787</b>	<b>0.2043</b>		<b>636.6853</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.6292	0.1684	1.3900e-003	0.0325	1.6300e-003	0.0341	9.3600e-003	1.5600e-003	0.0109		148.5011	148.5011	8.3200e-003		148.7091
Worker	0.0448	0.0344	0.3550	1.0400e-003	0.1186	7.1000e-004	0.1194	0.0315	6.6000e-004	0.0321		103.2592	103.2592	2.8900e-003		103.3314
<b>Total</b>	<b>0.0640</b>	<b>0.6637</b>	<b>0.5233</b>	<b>2.4300e-003</b>	<b>0.1511</b>	<b>2.3400e-003</b>	<b>0.1535</b>	<b>0.0408</b>	<b>2.2200e-003</b>	<b>0.0430</b>		<b>251.7603</b>	<b>251.7603</b>	<b>0.0112</b>		<b>252.0404</b>

**4.0 Operational Detail - Mobile**



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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

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

**Mitigated**

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

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	111.3014	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	111.3014	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	111.3014					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
<b>Total</b>	<b>111.3014</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>		<b>2.3000e-004</b>

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**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	111.3014					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
<b>Total</b>	<b>111.3014</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>		<b>2.3000e-004</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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

**Estrella Substation and Paso Robles Area Reinforcement Project**  
**San Luis Obispo County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	119.40	5,201,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.2	<b>Precipitation Freq (Days)</b>	44
<b>Climate Zone</b>	3			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	641.35	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Current Temp. Disturbance Area Total from Project Description

Construction Phase - Dates entered based on the specific number of days from the PEA CALEEMOD input file, with consideration of the specific months during which construction is likely to occur as indicated in the Project Description of the EIR.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.



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

Off-road Equipment - Values based on PEA and Project Description.  
Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description. Helicopter emissions modeled separately and not included here.

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values Based on PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

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

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description.

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Distribution

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description. Helicopter emissions modeled outside of CalEEMod and not included here.

Off-road Equipment - Values based on PEA and Project Description. Helicopter emissions calculated separately and not included here.

Off-road Equipment - Based on values in PEA and Project Description

Trips and VMT - Values based on PEA and Project Description

Grading - Waiting on temp. disturbance area and material import/export values for some phases

Area Coating - No Architectural Coating

Water And Wastewater - No Water Use

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	2600500	0
tblAreaCoating	Area_Nonresidential_Interior	7801500	0
tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	36.00
tblConstructionPhase	NumDays	3,100.00	120.00
tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	24.00
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	6.00

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

tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	18.00
tblConstructionPhase	NumDays	3,100.00	18.00
tblConstructionPhase	NumDays	3,100.00	30.00
tblConstructionPhase	NumDays	3,100.00	12.00
tblConstructionPhase	NumDays	3,100.00	12.00
tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	12.00
tblConstructionPhase	NumDays	3,100.00	30.00
tblConstructionPhase	NumDays	3,100.00	196.00
tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	24.00
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tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	48.00
tblConstructionPhase	NumDays	3,100.00	12.00
tblConstructionPhase	NumDays	3,100.00	144.00
tblConstructionPhase	NumDays	3,100.00	48.00
tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	310.00	12.00
tblConstructionPhase	NumDays	120.00	24.00
tblConstructionPhase	NumDays	120.00	6.00
tblConstructionPhase	NumDays	120.00	12.00
tblConstructionPhase	NumDays	120.00	18.00



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

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
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFleetMix	HHD	0.02	0.00

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

tblFleetMix	LDA	0.59	0.00
tblFleetMix	LDT1	0.03	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.7480e-003	0.00
tblFleetMix	MCY	4.7760e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	1.1920e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.3160e-003	0.00
tblFleetMix	SBUS	7.5800e-004	0.00
tblFleetMix	UBUS	1.1630e-003	0.00
tblGrading	AcresOfGrading	9.00	12.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	AcresOfGrading	0.00	9.00
tblGrading	AcresOfGrading	9.00	12.00
tblGrading	AcresOfGrading	18.00	12.00
tblGrading	AcresOfGrading	4.50	6.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	AcresOfGrading	27.00	0.50
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	AcresOfGrading	4.50	6.00
tblGrading	AcresOfGrading	3.00	6.00
tblGrading	MaterialImported	0.00	6,050.00
tblGrading	MaterialImported	0.00	6,050.00
tblLandUse	LandUseSquareFeet	0.00	5,201,000.00
tblLandUse	LotAcreage	0.00	119.40

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

tblOffRoadEquipment	HorsePower	65.00	231.00
tblOffRoadEquipment	LoadFactor	0.37	0.29
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00



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

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

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	7.00	4.00

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

tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
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tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	1.50
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	2.00
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tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
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tblOffRoadEquipment	UsageHours	7.00	1.00
tblOffRoadEquipment	UsageHours	7.00	5.30
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00





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

tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
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tblOffRoadEquipment	UsageHours	7.00	1.30
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	0.50
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOffRoadEquipment	UsageHours	8.00	4.00
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tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	852.00	9.00
tblTripsAndVMT	VendorTripNumber	852.00	31.00
tblTripsAndVMT	VendorTripNumber	852.00	10.00
tblTripsAndVMT	VendorTripNumber	852.00	9.00
tblTripsAndVMT	VendorTripNumber	852.00	29.00

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

tblTripsAndVMT	VendorTripNumber	852.00	11.00
tblTripsAndVMT	VendorTripNumber	852.00	12.00
tblTripsAndVMT	VendorTripNumber	852.00	2.00
tblTripsAndVMT	VendorTripNumber	852.00	30.00
tblTripsAndVMT	VendorTripNumber	852.00	45.00
tblTripsAndVMT	VendorTripNumber	0.00	33.00
tblTripsAndVMT	VendorTripNumber	852.00	3.00
tblTripsAndVMT	VendorTripNumber	852.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	9.00
tblTripsAndVMT	VendorTripNumber	852.00	2.00
tblTripsAndVMT	VendorTripNumber	852.00	16.00
tblTripsAndVMT	VendorTripNumber	852.00	28.00
tblTripsAndVMT	VendorTripNumber	852.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	852.00	26.00
tblTripsAndVMT	VendorTripNumber	0.00	11.00
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tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	852.00	15.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	852.00	6.00
tblTripsAndVMT	VendorTripNumber	852.00	4.00
tblTripsAndVMT	VendorTripNumber	852.00	3.00
tblTripsAndVMT	VendorTripNumber	852.00	2.00
tblTripsAndVMT	VendorTripNumber	852.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	11.00

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

tblTripsAndVMT	VendorTripNumber	852.00	3.00
tblTripsAndVMT	VendorTripNumber	852.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	852.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	852.00	30.00
tblTripsAndVMT	VendorTripNumber	852.00	13.00
tblTripsAndVMT	VendorTripNumber	852.00	12.00
tblTripsAndVMT	VendorTripNumber	852.00	13.00
tblTripsAndVMT	WorkerTripNumber	5.00	12.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	8.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	24.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	30.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	16.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	30.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	12.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	16.00
tblTripsAndVMT	WorkerTripNumber	5.00	20.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	16.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	12.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	12.00



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

tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	8.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	8.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	16.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	8.00	12.00
tblTripsAndVMT	WorkerTripNumber	5.00	12.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	42.00
tblTripsAndVMT	WorkerTripNumber	3.00	12.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	24.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	20.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	16.00
tblTripsAndVMT	WorkerTripNumber	25.00	20.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	6.00
tblTripsAndVMT	WorkerTripNumber	3.00	6.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	36.00
tblTripsAndVMT	WorkerTripNumber	5.00	12.00
tblTripsAndVMT	WorkerTripNumber	5.00	12.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	40.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	20.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	12.00

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

tblVehicleTrips	CC_TTP	0.00	28.00
tblVehicleTrips	CNW_TTP	0.00	13.00
tblVehicleTrips	CW_TTP	0.00	59.00
tblVehicleTrips	DV_TP	0.00	19.00
tblVehicleTrips	PB_TP	0.00	2.00
tblVehicleTrips	PR_TP	0.00	79.00

**2.0 Emissions Summary**

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	111.3014	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
<b>Total</b>	<b>111.3014</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.3000e-004</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	111.3014	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
<b>Total</b>	<b>111.3014</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.3000e-004</b>

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

	ROG	NOx	CO	SO2	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	Reconductoring Site Prep	Site Preparation	1/1/2021	1/28/2021	6	24	Reconductor Site Prep
2	230kv Sub Access Road	Grading	1/1/2021	1/14/2021	6	12	230 Sub Access Road
3	230kV Transmission Site Work Prep	Site Preparation	1/5/2021	2/1/2021	6	24	230 TRANS Site Work Prep
4	230kV Sub Site Work Area	Site Preparation	1/15/2021	2/4/2021	6	18	230 Sub Site Work Area
5	70kV Substation Site Work Area Prep Mobil	Site Preparation	1/25/2021	2/6/2021	6	12	70 Sub Site Work Area
6	230kV Sub Fence Gate Install	Building Construction	2/1/2021	2/13/2021	6	12	230 Sub Fence Gate
7	Reconductoring Pole Install	Building Construction	2/1/2021	7/17/2021	6	144	Reconductor Pole Install
8	230kV Transmission Foundation Tower	Building Construction	2/2/2021	3/29/2021	6	48	230 TRANS Foundation Tower
9	70kV Substation Foundation Construction	Building Construction	2/5/2021	3/4/2021	6	24	70 Sub Foundation Construction
10	70kV Substation Ground Grid	Building Construction	2/5/2021	3/4/2021	6	24	70 Sub Ground Grid
11	230kV Sub Foundation Construction	Building Construction	2/8/2021	3/20/2021	6	36	230 Sub Foundation
12	Reconductoring Conductor Install	Building Construction	3/1/2021	7/17/2021	6	120	Reconductor Conductor Install
13	70kV Sub Steel Bus Erection	Building Construction	3/5/2021	4/1/2021	6	24	70 Sub Steel Bus
14	230kV Sub Ground Grid	Building Construction	3/10/2021	4/6/2021	6	24	230 Sub Ground Grid
15	230kV Transmission Conductor	Building Construction	4/1/2021	4/28/2021	6	24	230 TRANS Conductor
16	70 kV Substation Equip Delivery	Building Construction	4/1/2021	4/21/2021	6	18	70 Sub Equip Delivery
17	70kV Substation Control Enclosure	Building Construction	4/1/2021	4/7/2021	6	6	70 Sub Control Enclosure
18	230kV Sub Steel Bus	Building Construction	4/2/2021	4/29/2021	6	24	230 Sub Steel Bus

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19	230kV Sub Install Yard Rock	Building Construction	4/16/2021	5/6/2021	6	18	230 Sub Install Yard Rock
20	70kV Substation Cable Installation	Building Construction	4/22/2021	5/12/2021	6	18	70 Sub Cable Install
21	230kV Sub Transformer	Building Construction	4/23/2021	5/27/2021	6	30	230 Sub Transformer
22	230kV Transmission Cleanup Restore	Site Preparation	5/1/2021	5/7/2021	6	6	230 TRANS Cleanup Restore
23	230kV Sub Control Enclosure Delivery	Building Construction	5/1/2021	5/14/2021	6	12	230 Sub Control Enclosure
24	70kV Substation Install Yard Rock	Building Construction	5/1/2021	5/14/2021	6	12	70 Sub Install Yard Rock
25	230kV Sub Remaining Equipment Delivery	Building Construction	5/8/2021	6/4/2021	6	24	230 Sub Remaining Equipment
26	70kV Substation Cleanup Restore	Site Preparation	5/15/2021	5/28/2021	6	12	70 Sub Cleanup Restore
27	230kV Sub Cable Install Termination	Building Construction	5/22/2021	6/4/2021	6	12	230 Sub Cable Install Term
28	70kV Substation Testing Commissioning	Site Preparation	6/1/2021	6/21/2021	6	18	70 Sub Testing Commissioning
29	230kV Sub Testing and Commissioning	Building Construction	6/1/2021	7/5/2021	6	30	230 Sub Testing
30	230kV Substation Cleanup Restore	Site Preparation	7/1/2021	7/21/2021	6	18	230 Sub Cleanup Restore
31	70kV Power Line Site Work Prep	Site Preparation	8/1/2021	8/28/2021	6	24	70 POWER Site Work Prep
32	Reconductoring Cleanup Restore	Site Preparation	8/1/2021	8/14/2021	6	12	Reconductor Cleanup Restore
33	70kV Power Line Pole Tower Install	Building Construction	9/1/2021	4/16/2022	6	196	70 POWER Pole Tower Install
34	Distribution Facilities Mobilization	Site Preparation	1/1/2022	1/14/2022	6	12	Distribution Facilities Mobilization
35	Distribution Foundation Construction	Building Construction	1/6/2022	2/2/2022	6	24	Distribution Foundation Construct
36	Distribution Ground Grid	Building Construction	1/20/2022	2/16/2022	6	24	Distribution Ground Grid
37	Distribution Steel Bus Erection	Building Construction	2/9/2022	3/8/2022	6	24	Distribution Steel Bus Erection
38	Distribution Bank Breaker	Building Construction	2/16/2022	3/8/2022	6	18	Distribution Bank Breaker
39	Distribution Feeder Conduit	Building Construction	2/23/2022	4/5/2022	6	36	Distribution Feeder Conduit
40	Distribution Cable Install	Building Construction	3/15/2022	4/11/2022	6	24	Distribution Cable Install
41	Distribution Testing	Building Construction	4/1/2022	4/28/2022	6	24	Distribution Testing
42	Distribution Cleanup Restore	Site Preparation	4/29/2022	5/12/2022	6	12	Distribution Cleanup Restore
43	70kV Power Line Conductor Install	Building Construction	5/1/2022	6/25/2022	6	48	70 POWER Conductor Install

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

44	70kV Power Line Cleanup Restore	Site Preparation	6/17/2022	6/30/2022	6	12	70 POWER Cleanup Restore
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**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
Reconductoring Site Prep	Graders	1	6.00	187	0.41
Reconductoring Site Prep	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kv Sub Access Road	Concrete/Industrial Saws	0	8.00	81	0.73
230kv Sub Access Road	Rubber Tired Dozers	0	1.00	247	0.40
230kv Sub Access Road	Tractors/Loaders/Backhoes	2	8.00	97	0.37
230kV Transmission Site Work Prep	Graders	1	6.00	187	0.41
230kV Transmission Site Work Prep	Off-Highway Trucks	0	10.00	402	0.38
230kV Transmission Site Work Prep	Rollers	0	8.00	80	0.38
230kV Transmission Site Work Prep	Rubber Tired Dozers	0	8.00	247	0.40
230kV Transmission Site Work Prep	Scrapers	0	8.00	367	0.48
230kV Transmission Site Work Prep	Tractors/Loaders/Backhoes	1	6.00	97	0.37
230kV Sub Site Work Area	Graders	1	8.00	187	0.41
230kV Sub Site Work Area	Graders	0	8.00	187	0.41
230kV Sub Site Work Area	Off-Highway Trucks	4	10.00	402	0.38
230kV Sub Site Work Area	Rollers	2	8.00	80	0.38
230kV Sub Site Work Area	Rubber Tired Dozers	1	8.00	247	0.40
230kV Sub Site Work Area	Scrapers	1	8.00	367	0.48

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230kV Sub Site Work Area	Tractors/Loaders/Backhoes	1	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Site Work Area Prep Mobil	Graders	1	4.00	187	0.41
70kV Substation Site Work Area Prep Mobil	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kV Sub Fence Gate Install	Cranes	0	4.00	231	0.29
230kV Sub Fence Gate Install	Forklifts	0	6.00	89	0.20
230kV Sub Fence Gate Install	Rubber Tired Dozers	0	1.00	247	0.40
230kV Sub Fence Gate Install	Skid Steer Loaders	1	4.00	65	0.37
230kV Sub Fence Gate Install	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Reconductoring Pole Install	Bore/Drill Rigs	1	6.00	221	0.50
Reconductoring Pole Install	Cranes	3	6.00	231	0.29
Reconductoring Pole Install	Cranes	1	1.00	231	0.29
Reconductoring Pole Install	Off-Highway Trucks	2	3.00	402	0.38
Reconductoring Pole Install	Off-Highway Trucks	2	2.00	402	0.38
230kV Transmission Foundation Tower	Bore/Drill Rigs	1	1.00	221	0.50
230kV Transmission Foundation Tower	Cranes	3	5.30	231	0.29
230kV Transmission Foundation Tower	Forklifts	3	2.60	89	0.20
230kV Transmission Foundation Tower	Off-Highway Trucks	2	3.50	402	0.38
230kV Transmission Foundation Tower	Off-Highway Trucks	2	2.60	402	0.38
230kV Transmission Foundation Tower	Tractors/Loaders/Backhoes	1	0.50	97	0.37
70kV Substation Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
70kV Substation Foundation Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
70kV Substation Foundation Construction	Trenchers	1	8.00	78	0.50



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

70kV Substation Ground Grid	Cranes	0	4.00	231	0.29
70kV Substation Ground Grid	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70kV Substation Ground Grid	Trenchers	1	6.00	78	0.50
230kV Sub Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
230kV Sub Foundation Construction	Cranes	1	5.00	231	0.29
230kV Sub Foundation Construction	Forklifts	0	6.00	89	0.20
230kV Sub Foundation Construction	Forklifts	0	6.00	89	0.20
230kV Sub Foundation Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Foundation Construction	Tractors/Loaders/Backhoes	1	5.00	97	0.37
Reconductoring Conductor Install	Cranes	2	8.00	231	0.29
Reconductoring Conductor Install	Forklifts	1	3.00	89	0.20
Reconductoring Conductor Install	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	2	4.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	1	6.00	402	0.38
Reconductoring Conductor Install	Other General Industrial Equipment	2	6.00	88	0.34
70kV Sub Steel Bus Erection	Aerial Lifts	2	8.00	63	0.31
70kV Sub Steel Bus Erection	Off-Highway Trucks	2	6.00	402	0.38
70kV Sub Steel Bus Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Ground Grid	Forklifts	0	6.00	89	0.20
230kV Sub Ground Grid	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Ground Grid	Trenchers	1	8.00	78	0.50
230kV Transmission Conductor	Cranes	3	6.00	231	0.29
230kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
230kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
70 kV Substation Equip Delivery	Aerial Lifts	2	4.00	63	0.31
70 kV Substation Equip Delivery	Off-Highway Trucks	1	5.30	402	0.38

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70 kV Substation Equip Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Control Enclosure	Cranes	0	4.00	231	0.29
70kV Substation Control Enclosure	Forklifts	0	6.00	89	0.20
70kV Substation Control Enclosure	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Steel Bus	Aerial Lifts	1	6.00	63	0.31
230kV Sub Steel Bus	Off-Highway Trucks	1	8.00	402	0.38
230kV Sub Steel Bus	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Install Yard Rock	Cranes	0	4.00	231	0.29
230kV Sub Install Yard Rock	Cranes	0	4.00	231	0.29
230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Skid Steer Loaders	1	10.00	65	0.37
230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Cable Installation	Cranes	0	4.00	231	0.29
70kV Substation Cable Installation	Forklifts	0	6.00	89	0.20
70kV Substation Cable Installation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Cranes	1	6.00	231	0.29
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Generator Sets	1	5.00	84	0.74
230kV Sub Transformer	Off-Highway Trucks	2	10.00	402	0.38
230kV Sub Transformer	Off-Highway Trucks	1	4.80	402	0.38

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230kV Sub Transformer	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Transmission Cleanup Restore	Graders	1	8.00	187	0.41
230kV Transmission Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kV Sub Control Enclosure Delivery	Cranes	1	6.00	231	0.29
230kV Sub Control Enclosure Delivery	Forklifts	0	6.00	89	0.20
230kV Sub Control Enclosure Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Install Yard Rock	Forklifts	0	6.00	89	0.20
70kV Substation Install Yard Rock	Skid Steer Loaders	1	8.00	231	0.29
70kV Substation Install Yard Rock	Tractors/Loaders/Backhoes	1	8.00	97	0.37
230kV Sub Remaining Equipment Delivery	Forklifts	0	6.00	89	0.20
230kV Sub Remaining Equipment Delivery	Off-Highway Trucks	1	6.00	402	0.38
230kV Sub Remaining Equipment Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Cleanup Restore	Graders	0	8.00	187	0.41
70kV Substation Cleanup Restore	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Cable Install Termination	Aerial Lifts	1	8.00	63	0.31
230kV Sub Cable Install Termination	Forklifts	0	6.00	89	0.20
230kV Sub Cable Install Termination	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Testing Commissioning	Graders	0	8.00	187	0.41
70kV Substation Testing Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Cement and Mortar Mixers	0	6.00	9	0.56
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29

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230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Pavers	0	7.00	130	0.42
230kV Sub Testing and Commissioning	Rollers	0	7.00	80	0.38
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	7.00	97	0.37
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Substation Cleanup Restore	Other General Industrial Equipment	1	6.00	88	0.34
230kV Substation Cleanup Restore	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70kV Power Line Site Work Prep	Graders	2	6.00	187	0.41
70kV Power Line Site Work Prep	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Reconductoring Cleanup Restore	Graders	1	6.00	187	0.41
Reconductoring Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70kV Power Line Pole Tower Install	Cranes	1	4.00	231	0.29
70kV Power Line Pole Tower Install	Off-Highway Trucks	7	4.00	402	0.38
70kV Power Line Pole Tower Install	Tractors/Loaders/Backhoes	2	4.00	97	0.37
Distribution Facilities Mobilization	Graders	0	8.00	187	0.41
Distribution Facilities Mobilization	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Distribution Foundation Construction	Cranes	0	4.00	231	0.29
Distribution Foundation Construction	Forklifts	0	6.00	89	0.20
Distribution Foundation Construction	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Distribution Ground Grid	Cranes	1	1.50	231	0.29

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Distribution Ground Grid	Forklifts	0	6.00	89	0.20
Distribution Ground Grid	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Steel Bus Erection	Cranes	0	4.00	231	0.29
Distribution Steel Bus Erection	Forklifts	0	6.00	89	0.20
Distribution Steel Bus Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Bank Breaker	Cranes	1	2.00	231	0.29
Distribution Bank Breaker	Forklifts	0	6.00	89	0.20
Distribution Bank Breaker	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Feeder Conduit	Forklifts	0	6.00	89	0.20
Distribution Feeder Conduit	Off-Highway Trucks	2	4.00	402	0.38
Distribution Feeder Conduit	Tractors/Loaders/Backhoes	1	1.30	97	0.37
Distribution Cable Install	Cranes	0	4.00	231	0.29
Distribution Cable Install	Forklifts	0	6.00	89	0.20
Distribution Cable Install	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Distribution Testing	Cranes	0	4.00	231	0.29
Distribution Testing	Forklifts	0	6.00	89	0.20
Distribution Testing	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Cleanup Restore	Graders	0	8.00	187	0.41
Distribution Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70kV Power Line Conductor Install	Cranes	3	6.00	231	0.29
70kV Power Line Conductor Install	Forklifts	1	3.00	89	0.20
70kV Power Line Conductor Install	Off-Highway Trucks	3	4.00	402	0.38
70kV Power Line Conductor Install	Off-Highway Trucks	1	6.00	402	0.38
70kV Power Line Conductor Install	Off-Highway Trucks	2	2.00	402	0.38
70kV Power Line Conductor Install	Other General Industrial Equipment	1	6.00	88	0.34
70kV Power Line Conductor Install	Other General Industrial Equipment	1	6.00	88	0.34
70kV Power Line Cleanup Restore	Graders	1	6.00	187	0.41

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70kV Power Line Cleanup Restore	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
Reconductoring Site Prep	2	12.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kv Sub Access Road	2	20.00	33.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Site Work Prep	2	16.00	11.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Site Work Area	10	20.00	11.00	756.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Site Work Area Prep Mobil	2	12.00	6.00	756.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Fence Gate Install	1	10.00	30.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Pole Install	9	40.00	13.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Foundation Tower	12	20.00	12.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Foundation Constructi	3	12.00	13.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Ground Grid	2	8.00	9.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Foundation Constructi	3	24.00	31.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Conductor Install	12	30.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Sub Steel Bus Erection	4	16.00	9.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Ground Grid	1	10.00	29.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Conductor	7	30.00	11.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70 kV Substation Equip Delivery	3	12.00	12.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Control Enclosure	0	10.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Steel Bus	2	10.00	30.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Install Yard Rock	1	16.00	45.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Cable Installation	0	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Transformer	6	16.00	30.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Cleanup Restore	2	10.00	9.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

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

230kV Sub Control Enclosure Delivery	1	12.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Install Yard Book	2	12.00	16.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Remaining Equipment Delivery	1	10.00	28.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Cleanup Pastors	0	8.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Cable Install Termination	1	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Testing Commissioning	0	8.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Testing and Commissioning	0	10.00	26.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Substation Cleanup Pastors	2	6.00	29.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Site Work Prep	3	12.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Cleanup Pastors	2	12.00	5.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Pole Tower Install	10	42.00	15.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Facilities Mobilization	1	12.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Foundation Construction	1	24.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Ground Grid	1	20.00	4.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Steel Bus Erection	0	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Bank Breaker	1	10.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Feeder Conduit	3	16.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Cable Install	1	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Testing	0	6.00	1.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Cleanup Pastors	1	6.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Conductor Install	12	36.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Cleanup Pastors	2	12.00	7.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

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

**3.2 Reconductoring Site Prep - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.4334	5.3913	2.4555	6.5200e-003		0.1967	0.1967		0.1809	0.1809		631.7131	631.7131	0.2043		636.8208
<b>Total</b>	<b>0.4334</b>	<b>5.3913</b>	<b>2.4555</b>	<b>6.5200e-003</b>	<b>0.5303</b>	<b>0.1967</b>	<b>0.7269</b>	<b>0.0573</b>	<b>0.1809</b>	<b>0.2382</b>		<b>631.7131</b>	<b>631.7131</b>	<b>0.2043</b>		<b>636.8208</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0316	0.9390	0.2953	1.9400e-003	0.0464	2.8100e-003	0.0492	0.0134	2.6900e-003	0.0161		207.0036	207.0036	0.0129		207.3257
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.0862</b>	<b>0.9825</b>	<b>0.6706</b>	<b>2.9600e-003</b>	<b>0.1651</b>	<b>3.5400e-003</b>	<b>0.1686</b>	<b>0.0448</b>	<b>3.3700e-003</b>	<b>0.0482</b>		<b>309.0772</b>	<b>309.0772</b>	<b>0.0160</b>		<b>309.4769</b>



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

**3.2 Reconductoring Site Prep - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.4334	5.3913	2.4555	6.5200e-003		0.1967	0.1967		0.1809	0.1809	0.0000	631.7131	631.7131	0.2043		636.8208
<b>Total</b>	<b>0.4334</b>	<b>5.3913</b>	<b>2.4555</b>	<b>6.5200e-003</b>	<b>0.2386</b>	<b>0.1967</b>	<b>0.4353</b>	<b>0.0258</b>	<b>0.1809</b>	<b>0.2067</b>	<b>0.0000</b>	<b>631.7131</b>	<b>631.7131</b>	<b>0.2043</b>		<b>636.8208</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0316	0.9390	0.2953	1.9400e-003	0.0464	2.8100e-003	0.0492	0.0134	2.6900e-003	0.0161		207.0036	207.0036	0.0129		207.3257
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.0862</b>	<b>0.9825</b>	<b>0.6706</b>	<b>2.9600e-003</b>	<b>0.1651</b>	<b>3.5400e-003</b>	<b>0.1686</b>	<b>0.0448</b>	<b>3.3700e-003</b>	<b>0.0482</b>		<b>309.0772</b>	<b>309.0772</b>	<b>0.0160</b>		<b>309.4769</b>

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

**3.3 230kv Sub Access Road - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3746	3.7916	4.5205	6.2100e-003		0.2236	0.2236		0.2057	0.2057		601.8002	601.8002	0.1946		606.6660
<b>Total</b>	<b>0.3746</b>	<b>3.7916</b>	<b>4.5205</b>	<b>6.2100e-003</b>	<b>0.0000</b>	<b>0.2236</b>	<b>0.2236</b>	<b>0.0000</b>	<b>0.2057</b>	<b>0.2057</b>		<b>601.8002</b>	<b>601.8002</b>	<b>0.1946</b>		<b>606.6660</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.0988	0.9745	6.4100e-003	0.1532	9.2700e-003	0.1625	0.0441	8.8600e-003	0.0530		683.1117	683.1117	0.0425		684.1748
Worker	0.0910	0.0724	0.6255	1.7100e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		170.1228	170.1228	5.1700e-003		170.2520
<b>Total</b>	<b>0.1951</b>	<b>3.1712</b>	<b>1.6001</b>	<b>8.1200e-003</b>	<b>0.3509</b>	<b>0.0105</b>	<b>0.3614</b>	<b>0.0966</b>	<b>9.9900e-003</b>	<b>0.1066</b>		<b>853.2345</b>	<b>853.2345</b>	<b>0.0477</b>		<b>854.4268</b>

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

**3.3 230kv Sub Access Road - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3746	3.7916	4.5205	6.2100e-003		0.2236	0.2236		0.2057	0.2057	0.0000	601.8002	601.8002	0.1946		606.6660
<b>Total</b>	<b>0.3746</b>	<b>3.7916</b>	<b>4.5205</b>	<b>6.2100e-003</b>	<b>0.0000</b>	<b>0.2236</b>	<b>0.2236</b>	<b>0.0000</b>	<b>0.2057</b>	<b>0.2057</b>	<b>0.0000</b>	<b>601.8002</b>	<b>601.8002</b>	<b>0.1946</b>		<b>606.6660</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.0988	0.9745	6.4100e-003	0.1532	9.2700e-003	0.1625	0.0441	8.8600e-003	0.0530		683.1117	683.1117	0.0425		684.1748
Worker	0.0910	0.0724	0.6255	1.7100e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		170.1228	170.1228	5.1700e-003		170.2520
<b>Total</b>	<b>0.1951</b>	<b>3.1712</b>	<b>1.6001</b>	<b>8.1200e-003</b>	<b>0.3509</b>	<b>0.0105</b>	<b>0.3614</b>	<b>0.0966</b>	<b>9.9900e-003</b>	<b>0.1066</b>		<b>853.2345</b>	<b>853.2345</b>	<b>0.0477</b>		<b>854.4268</b>

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

**3.4 230kV Transmission Site Work Prep - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.4802	5.8653	3.0206	7.3000e-003		0.2246	0.2246		0.2066	0.2066		706.9381	706.9381	0.2286		712.6541
<b>Total</b>	<b>0.4802</b>	<b>5.8653</b>	<b>3.0206</b>	<b>7.3000e-003</b>	<b>0.5303</b>	<b>0.2246</b>	<b>0.7549</b>	<b>0.0573</b>	<b>0.2066</b>	<b>0.2639</b>		<b>706.9381</b>	<b>706.9381</b>	<b>0.2286</b>		<b>712.6541</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0347	1.0329	0.3248	2.1400e-003	0.0511	3.0900e-003	0.0542	0.0147	2.9500e-003	0.0177		227.7039	227.7039	0.0142		228.0583
Worker	0.0728	0.0579	0.5004	1.3700e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		136.0982	136.0982	4.1400e-003		136.2016
<b>Total</b>	<b>0.1075</b>	<b>1.0909</b>	<b>0.8253</b>	<b>3.5100e-003</b>	<b>0.2093</b>	<b>4.0700e-003</b>	<b>0.2133</b>	<b>0.0567</b>	<b>3.8500e-003</b>	<b>0.0605</b>		<b>363.8021</b>	<b>363.8021</b>	<b>0.0183</b>		<b>364.2599</b>

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

**3.4 230kV Transmission Site Work Prep - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.4802	5.8653	3.0206	7.3000e-003		0.2246	0.2246		0.2066	0.2066	0.0000	706.9381	706.9381	0.2286		712.6541
<b>Total</b>	<b>0.4802</b>	<b>5.8653</b>	<b>3.0206</b>	<b>7.3000e-003</b>	<b>0.2386</b>	<b>0.2246</b>	<b>0.4632</b>	<b>0.0258</b>	<b>0.2066</b>	<b>0.2324</b>	<b>0.0000</b>	<b>706.9381</b>	<b>706.9381</b>	<b>0.2286</b>		<b>712.6541</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0347	1.0329	0.3248	2.1400e-003	0.0511	3.0900e-003	0.0542	0.0147	2.9500e-003	0.0177		227.7039	227.7039	0.0142		228.0583
Worker	0.0728	0.0579	0.5004	1.3700e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		136.0982	136.0982	4.1400e-003		136.2016
<b>Total</b>	<b>0.1075</b>	<b>1.0909</b>	<b>0.8253</b>	<b>3.5100e-003</b>	<b>0.2093</b>	<b>4.0700e-003</b>	<b>0.2133</b>	<b>0.0567</b>	<b>3.8500e-003</b>	<b>0.0605</b>		<b>363.8021</b>	<b>363.8021</b>	<b>0.0183</b>		<b>364.2599</b>

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

**3.5 230kV Sub Site Work Area - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1134	0.0000	6.1134	3.3228	0.0000	3.3228			0.0000			0.0000
Off-Road	6.0246	59.6598	36.8525	0.1047		2.4489	2.4489		2.2530	2.2530		10,138.6407	10,138.6407	3.2790		10,220.6167
<b>Total</b>	<b>6.0246</b>	<b>59.6598</b>	<b>36.8525</b>	<b>0.1047</b>	<b>6.1134</b>	<b>2.4489</b>	<b>8.5623</b>	<b>3.3228</b>	<b>2.2530</b>	<b>5.5757</b>		<b>10,138.6407</b>	<b>10,138.6407</b>	<b>3.2790</b>		<b>10,220.6167</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3454	12.2013	2.8854	0.0323	0.7332	0.0523	0.7855	0.2009	0.0501	0.2509		3,490.5439	3,490.5439	0.2080		3,495.7443
Vendor	0.0347	1.0329	0.3248	2.1400e-003	0.0511	3.0900e-003	0.0542	0.0147	2.9500e-003	0.0177		227.7039	227.7039	0.0142		228.0583
Worker	0.0910	0.0724	0.6255	1.7100e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		170.1228	170.1228	5.1700e-003		170.2520
<b>Total</b>	<b>0.4711</b>	<b>13.3066</b>	<b>3.8357</b>	<b>0.0362</b>	<b>0.9820</b>	<b>0.0567</b>	<b>1.0386</b>	<b>0.2680</b>	<b>0.0542</b>	<b>0.3222</b>		<b>3,888.3706</b>	<b>3,888.3706</b>	<b>0.2274</b>		<b>3,894.0546</b>

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

**3.5 230kV Sub Site Work Area - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7510	0.0000	2.7510	1.4953	0.0000	1.4953			0.0000			0.0000
Off-Road	6.0246	59.6598	36.8525	0.1047		2.4489	2.4489		2.2530	2.2530	0.0000	10,138.6406	10,138.6406	3.2790		10,220.6167
<b>Total</b>	<b>6.0246</b>	<b>59.6598</b>	<b>36.8525</b>	<b>0.1047</b>	<b>2.7510</b>	<b>2.4489</b>	<b>5.1999</b>	<b>1.4953</b>	<b>2.2530</b>	<b>3.7482</b>	<b>0.0000</b>	<b>10,138.6406</b>	<b>10,138.6406</b>	<b>3.2790</b>		<b>10,220.6167</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3454	12.2013	2.8854	0.0323	0.7332	0.0523	0.7855	0.2009	0.0501	0.2509		3,490.5439	3,490.5439	0.2080		3,495.7443
Vendor	0.0347	1.0329	0.3248	2.1400e-003	0.0511	3.0900e-003	0.0542	0.0147	2.9500e-003	0.0177		227.7039	227.7039	0.0142		228.0583
Worker	0.0910	0.0724	0.6255	1.7100e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		170.1228	170.1228	5.1700e-003		170.2520
<b>Total</b>	<b>0.4711</b>	<b>13.3066</b>	<b>3.8357</b>	<b>0.0362</b>	<b>0.9820</b>	<b>0.0567</b>	<b>1.0386</b>	<b>0.2680</b>	<b>0.0542</b>	<b>0.3222</b>		<b>3,888.3706</b>	<b>3,888.3706</b>	<b>0.2274</b>		<b>3,894.0546</b>

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

**3.6 70kV Substation Site Work Area Prep Mobil - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6231	0.0000	0.6231	0.0713	0.0000	0.0713			0.0000			0.0000
Off-Road	0.3201	3.9102	2.0137	4.8700e-003		0.1497	0.1497		0.1378	0.1378		471.2921	471.2921	0.1524		475.1027
<b>Total</b>	<b>0.3201</b>	<b>3.9102</b>	<b>2.0137</b>	<b>4.8700e-003</b>	<b>0.6231</b>	<b>0.1497</b>	<b>0.7728</b>	<b>0.0713</b>	<b>0.1378</b>	<b>0.2091</b>		<b>471.2921</b>	<b>471.2921</b>	<b>0.1524</b>		<b>475.1027</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5181	18.3019	4.3281	0.0485	1.0998	0.0785	1.1783	0.3013	0.0751	0.3764		5,235.8159	5,235.8159	0.3120		5,243.6164
Vendor	0.0189	0.5634	0.1772	1.1700e-003	0.0279	1.6800e-003	0.0295	8.0200e-003	1.6100e-003	9.6300e-003		124.2021	124.2021	7.7300e-003		124.3954
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.5916</b>	<b>18.9088</b>	<b>4.8806</b>	<b>0.0507</b>	<b>1.2462</b>	<b>0.0809</b>	<b>1.3272</b>	<b>0.3408</b>	<b>0.0774</b>	<b>0.4182</b>		<b>5,462.0917</b>	<b>5,462.0917</b>	<b>0.3229</b>		<b>5,470.1631</b>



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

**3.6 70kV Substation Site Work Area Prep Mobil - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2804	0.0000	0.2804	0.0321	0.0000	0.0321			0.0000			0.0000
Off-Road	0.3201	3.9102	2.0137	4.8700e-003		0.1497	0.1497		0.1378	0.1378	0.0000	471.2921	471.2921	0.1524		475.1027
<b>Total</b>	<b>0.3201</b>	<b>3.9102</b>	<b>2.0137</b>	<b>4.8700e-003</b>	<b>0.2804</b>	<b>0.1497</b>	<b>0.4301</b>	<b>0.0321</b>	<b>0.1378</b>	<b>0.1699</b>	<b>0.0000</b>	<b>471.2921</b>	<b>471.2921</b>	<b>0.1524</b>		<b>475.1027</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5181	18.3019	4.3281	0.0485	1.0998	0.0785	1.1783	0.3013	0.0751	0.3764		5,235.8159	5,235.8159	0.3120		5,243.6164
Vendor	0.0189	0.5634	0.1772	1.1700e-003	0.0279	1.6800e-003	0.0295	8.0200e-003	1.6100e-003	9.6300e-003		124.2021	124.2021	7.7300e-003		124.3954
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.5916</b>	<b>18.9088</b>	<b>4.8806</b>	<b>0.0507</b>	<b>1.2462</b>	<b>0.0809</b>	<b>1.3272</b>	<b>0.3408</b>	<b>0.0774</b>	<b>0.4182</b>		<b>5,462.0917</b>	<b>5,462.0917</b>	<b>0.3229</b>		<b>5,470.1631</b>

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

**3.7 230kV Sub Fence Gate Install - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0378	0.5018	0.6950	1.0300e-003		0.0204	0.0204		0.0188	0.0188		100.0992	100.0992	0.0324		100.9085
<b>Total</b>	<b>0.0378</b>	<b>0.5018</b>	<b>0.6950</b>	<b>1.0300e-003</b>		<b>0.0204</b>	<b>0.0204</b>		<b>0.0188</b>	<b>0.0188</b>		<b>100.0992</b>	<b>100.0992</b>	<b>0.0324</b>		<b>100.9085</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0947	2.8171	0.8859	5.8300e-003	0.1393	8.4200e-003	0.1477	0.0401	8.0600e-003	0.0482		621.0107	621.0107	0.0387		621.9771
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.1402</b>	<b>2.8533</b>	<b>1.1987</b>	<b>6.6800e-003</b>	<b>0.2381</b>	<b>9.0300e-003</b>	<b>0.2472</b>	<b>0.0663</b>	<b>8.6200e-003</b>	<b>0.0750</b>		<b>706.0721</b>	<b>706.0721</b>	<b>0.0413</b>		<b>707.1031</b>

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

**3.7 230kV Sub Fence Gate Install - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0378	0.5018	0.6950	1.0300e-003		0.0204	0.0204		0.0188	0.0188	0.0000	100.0992	100.0992	0.0324		100.9085
<b>Total</b>	<b>0.0378</b>	<b>0.5018</b>	<b>0.6950</b>	<b>1.0300e-003</b>		<b>0.0204</b>	<b>0.0204</b>		<b>0.0188</b>	<b>0.0188</b>	<b>0.0000</b>	<b>100.0992</b>	<b>100.0992</b>	<b>0.0324</b>		<b>100.9085</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0947	2.8171	0.8859	5.8300e-003	0.1393	8.4200e-003	0.1477	0.0401	8.0600e-003	0.0482		621.0107	621.0107	0.0387		621.9771
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.1402</b>	<b>2.8533</b>	<b>1.1987</b>	<b>6.6800e-003</b>	<b>0.2381</b>	<b>9.0300e-003</b>	<b>0.2472</b>	<b>0.0663</b>	<b>8.6200e-003</b>	<b>0.0750</b>		<b>706.0721</b>	<b>706.0721</b>	<b>0.0413</b>		<b>707.1031</b>

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

**3.8 Reconductoring Pole Install - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9317	20.3635	10.7702	0.0373		0.7777	0.7777		0.7154	0.7154		3,609.2051	3,609.2051	1.1673		3,638.3874
<b>Total</b>	<b>1.9317</b>	<b>20.3635</b>	<b>10.7702</b>	<b>0.0373</b>		<b>0.7777</b>	<b>0.7777</b>		<b>0.7154</b>	<b>0.7154</b>		<b>3,609.2051</b>	<b>3,609.2051</b>	<b>1.1673</b>		<b>3,638.3874</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0410	1.2207	0.3839	2.5300e-003	0.0604	3.6500e-003	0.0640	0.0174	3.4900e-003	0.0209		269.1046	269.1046	0.0168		269.5234
Worker	0.1820	0.1448	1.2511	3.4200e-003	0.3955	2.4500e-003	0.3979	0.1049	2.2600e-003	0.1071		340.2456	340.2456	0.0103		340.5041
<b>Total</b>	<b>0.2230</b>	<b>1.3656</b>	<b>1.6350</b>	<b>5.9500e-003</b>	<b>0.4558</b>	<b>6.1000e-003</b>	<b>0.4619</b>	<b>0.1223</b>	<b>5.7500e-003</b>	<b>0.1280</b>		<b>609.3502</b>	<b>609.3502</b>	<b>0.0271</b>		<b>610.0275</b>

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

**3.8 Reconductoring Pole Install - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9317	20.3635	10.7702	0.0373		0.7777	0.7777		0.7154	0.7154	0.0000	3,609.2051	3,609.2051	1.1673		3,638.3874
<b>Total</b>	<b>1.9317</b>	<b>20.3635</b>	<b>10.7702</b>	<b>0.0373</b>		<b>0.7777</b>	<b>0.7777</b>		<b>0.7154</b>	<b>0.7154</b>	<b>0.0000</b>	<b>3,609.2051</b>	<b>3,609.2051</b>	<b>1.1673</b>		<b>3,638.3874</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0410	1.2207	0.3839	2.5300e-003	0.0604	3.6500e-003	0.0640	0.0174	3.4900e-003	0.0209		269.1046	269.1046	0.0168		269.5234
Worker	0.1820	0.1448	1.2511	3.4200e-003	0.3955	2.4500e-003	0.3979	0.1049	2.2600e-003	0.1071		340.2456	340.2456	0.0103		340.5041
<b>Total</b>	<b>0.2230</b>	<b>1.3656</b>	<b>1.6350</b>	<b>5.9500e-003</b>	<b>0.4558</b>	<b>6.1000e-003</b>	<b>0.4619</b>	<b>0.1223</b>	<b>5.7500e-003</b>	<b>0.1280</b>		<b>609.3502</b>	<b>609.3502</b>	<b>0.0271</b>		<b>610.0275</b>

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

**3.9 230kV Transmission Foundation Tower - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9147	19.3107	10.9767	0.0345		0.7858	0.7858		0.7229	0.7229		3,337.3850	3,337.3850	1.0794		3,364.3694
<b>Total</b>	<b>1.9147</b>	<b>19.3107</b>	<b>10.9767</b>	<b>0.0345</b>		<b>0.7858</b>	<b>0.7858</b>		<b>0.7229</b>	<b>0.7229</b>		<b>3,337.3850</b>	<b>3,337.3850</b>	<b>1.0794</b>		<b>3,364.3694</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0379	1.1268	0.3544	2.3300e-003	0.0557	3.3700e-003	0.0591	0.0161	3.2200e-003	0.0193		248.4043	248.4043	0.0155		248.7908
Worker	0.0910	0.0724	0.6255	1.7100e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		170.1228	170.1228	5.1700e-003		170.2520
<b>Total</b>	<b>0.1289</b>	<b>1.1993</b>	<b>0.9799</b>	<b>4.0400e-003</b>	<b>0.2534</b>	<b>4.5900e-003</b>	<b>0.2580</b>	<b>0.0685</b>	<b>4.3500e-003</b>	<b>0.0728</b>		<b>418.5271</b>	<b>418.5271</b>	<b>0.0206</b>		<b>419.0429</b>

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

**3.9 230kV Transmission Foundation Tower - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9147	19.3107	10.9767	0.0345		0.7858	0.7858		0.7229	0.7229	0.0000	3,337.3850	3,337.3850	1.0794		3,364.3694
<b>Total</b>	<b>1.9147</b>	<b>19.3107</b>	<b>10.9767</b>	<b>0.0345</b>		<b>0.7858</b>	<b>0.7858</b>		<b>0.7229</b>	<b>0.7229</b>	<b>0.0000</b>	<b>3,337.3850</b>	<b>3,337.3850</b>	<b>1.0794</b>		<b>3,364.3694</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0379	1.1268	0.3544	2.3300e-003	0.0557	3.3700e-003	0.0591	0.0161	3.2200e-003	0.0193		248.4043	248.4043	0.0155		248.7908
Worker	0.0910	0.0724	0.6255	1.7100e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		170.1228	170.1228	5.1700e-003		170.2520
<b>Total</b>	<b>0.1289</b>	<b>1.1993</b>	<b>0.9799</b>	<b>4.0400e-003</b>	<b>0.2534</b>	<b>4.5900e-003</b>	<b>0.2580</b>	<b>0.0685</b>	<b>4.3500e-003</b>	<b>0.0728</b>		<b>418.5271</b>	<b>418.5271</b>	<b>0.0206</b>		<b>419.0429</b>

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

**3.10 70kV Substation Foundation Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8279	8.4307	6.9405	0.0159		0.4584	0.4584		0.4217	0.4217		1,539.8850	1,539.8850	0.4980		1,552.3357
<b>Total</b>	<b>0.8279</b>	<b>8.4307</b>	<b>6.9405</b>	<b>0.0159</b>		<b>0.4584</b>	<b>0.4584</b>		<b>0.4217</b>	<b>0.4217</b>		<b>1,539.8850</b>	<b>1,539.8850</b>	<b>0.4980</b>		<b>1,552.3357</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0410	1.2207	0.3839	2.5300e-003	0.0604	3.6500e-003	0.0640	0.0174	3.4900e-003	0.0209		269.1046	269.1046	0.0168		269.5234
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.0956</b>	<b>1.2642</b>	<b>0.7592</b>	<b>3.5500e-003</b>	<b>0.1790</b>	<b>4.3800e-003</b>	<b>0.1834</b>	<b>0.0488</b>	<b>4.1700e-003</b>	<b>0.0530</b>		<b>371.1783</b>	<b>371.1783</b>	<b>0.0199</b>		<b>371.6746</b>



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

**3.10 70kV Substation Foundation Construction - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8279	8.4307	6.9405	0.0159		0.4584	0.4584		0.4217	0.4217	0.0000	1,539.8850	1,539.8850	0.4980		1,552.3357
<b>Total</b>	<b>0.8279</b>	<b>8.4307</b>	<b>6.9405</b>	<b>0.0159</b>		<b>0.4584</b>	<b>0.4584</b>		<b>0.4217</b>	<b>0.4217</b>	<b>0.0000</b>	<b>1,539.8850</b>	<b>1,539.8850</b>	<b>0.4980</b>		<b>1,552.3357</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0410	1.2207	0.3839	2.5300e-003	0.0604	3.6500e-003	0.0640	0.0174	3.4900e-003	0.0209		269.1046	269.1046	0.0168		269.5234
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.0956</b>	<b>1.2642</b>	<b>0.7592</b>	<b>3.5500e-003</b>	<b>0.1790</b>	<b>4.3800e-003</b>	<b>0.1834</b>	<b>0.0488</b>	<b>4.1700e-003</b>	<b>0.0530</b>		<b>371.1783</b>	<b>371.1783</b>	<b>0.0199</b>		<b>371.6746</b>

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

**3.11 70kV Substation Ground Grid - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4273	4.0559	3.6499	4.8600e-003		0.2751	0.2751		0.2531	0.2531		470.8669	470.8669	0.1523		474.6741
<b>Total</b>	<b>0.4273</b>	<b>4.0559</b>	<b>3.6499</b>	<b>4.8600e-003</b>		<b>0.2751</b>	<b>0.2751</b>		<b>0.2531</b>	<b>0.2531</b>		<b>470.8669</b>	<b>470.8669</b>	<b>0.1523</b>		<b>474.6741</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0284	0.8451	0.2658	1.7500e-003	0.0418	2.5300e-003	0.0443	0.0120	2.4200e-003	0.0145		186.3032	186.3032	0.0116		186.5931
Worker	0.0364	0.0290	0.2502	6.8000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		68.0491	68.0491	2.0700e-003		68.1008
<b>Total</b>	<b>0.0648</b>	<b>0.8741</b>	<b>0.5160</b>	<b>2.4300e-003</b>	<b>0.1209</b>	<b>3.0200e-003</b>	<b>0.1239</b>	<b>0.0330</b>	<b>2.8700e-003</b>	<b>0.0359</b>		<b>254.3523</b>	<b>254.3523</b>	<b>0.0137</b>		<b>254.6939</b>

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

**3.11 70kV Substation Ground Grid - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4273	4.0559	3.6499	4.8600e-003		0.2751	0.2751		0.2531	0.2531	0.0000	470.8669	470.8669	0.1523		474.6741
<b>Total</b>	<b>0.4273</b>	<b>4.0559</b>	<b>3.6499</b>	<b>4.8600e-003</b>		<b>0.2751</b>	<b>0.2751</b>		<b>0.2531</b>	<b>0.2531</b>	<b>0.0000</b>	<b>470.8669</b>	<b>470.8669</b>	<b>0.1523</b>		<b>474.6741</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0284	0.8451	0.2658	1.7500e-003	0.0418	2.5300e-003	0.0443	0.0120	2.4200e-003	0.0145		186.3032	186.3032	0.0116		186.5931
Worker	0.0364	0.0290	0.2502	6.8000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		68.0491	68.0491	2.0700e-003		68.1008
<b>Total</b>	<b>0.0648</b>	<b>0.8741</b>	<b>0.5160</b>	<b>2.4300e-003</b>	<b>0.1209</b>	<b>3.0200e-003</b>	<b>0.1239</b>	<b>0.0330</b>	<b>2.8700e-003</b>	<b>0.0359</b>		<b>254.3523</b>	<b>254.3523</b>	<b>0.0137</b>		<b>254.6939</b>

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

**3.12 230kV Sub Foundation Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6333	7.2385	4.7259	0.0150		0.2845	0.2845		0.2618	0.2618		1,449.3367	1,449.3367	0.4687		1,461.0553
<b>Total</b>	<b>0.6333</b>	<b>7.2385</b>	<b>4.7259</b>	<b>0.0150</b>		<b>0.2845</b>	<b>0.2845</b>		<b>0.2618</b>	<b>0.2618</b>		<b>1,449.3367</b>	<b>1,449.3367</b>	<b>0.4687</b>		<b>1,461.0553</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0978	2.9110	0.9155	6.0300e-003	0.1439	8.7000e-003	0.1526	0.0415	8.3200e-003	0.0498		641.7110	641.7110	0.0400		642.7097
Worker	0.1092	0.0869	0.7506	2.0500e-003	0.2373	1.4700e-003	0.2387	0.0629	1.3600e-003	0.0643		204.1473	204.1473	6.2000e-003		204.3025
<b>Total</b>	<b>0.2070</b>	<b>2.9979</b>	<b>1.6661</b>	<b>8.0800e-003</b>	<b>0.3812</b>	<b>0.0102</b>	<b>0.3914</b>	<b>0.1044</b>	<b>9.6800e-003</b>	<b>0.1141</b>		<b>845.8584</b>	<b>845.8584</b>	<b>0.0462</b>		<b>847.0121</b>

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

**3.12 230kV Sub Foundation Construction - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6333	7.2385	4.7259	0.0150		0.2845	0.2845		0.2618	0.2618	0.0000	1,449.3367	1,449.3367	0.4687		1,461.0553
<b>Total</b>	<b>0.6333</b>	<b>7.2385</b>	<b>4.7259</b>	<b>0.0150</b>		<b>0.2845</b>	<b>0.2845</b>		<b>0.2618</b>	<b>0.2618</b>	<b>0.0000</b>	<b>1,449.3367</b>	<b>1,449.3367</b>	<b>0.4687</b>		<b>1,461.0553</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0978	2.9110	0.9155	6.0300e-003	0.1439	8.7000e-003	0.1526	0.0415	8.3200e-003	0.0498		641.7110	641.7110	0.0400		642.7097
Worker	0.1092	0.0869	0.7506	2.0500e-003	0.2373	1.4700e-003	0.2387	0.0629	1.3600e-003	0.0643		204.1473	204.1473	6.2000e-003		204.3025
<b>Total</b>	<b>0.2070</b>	<b>2.9979</b>	<b>1.6661</b>	<b>8.0800e-003</b>	<b>0.3812</b>	<b>0.0102</b>	<b>0.3914</b>	<b>0.1044</b>	<b>9.6800e-003</b>	<b>0.1141</b>		<b>845.8584</b>	<b>845.8584</b>	<b>0.0462</b>		<b>847.0121</b>

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

**3.13 Reconductoring Conductor Install - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0719	38.0846	24.4849	0.0787		1.5447	1.5447		1.4211	1.4211		7,618.0006	7,618.0006	2.4638		7,679.5960
<b>Total</b>	<b>4.0719</b>	<b>38.0846</b>	<b>24.4849</b>	<b>0.0787</b>		<b>1.5447</b>	<b>1.5447</b>		<b>1.4211</b>	<b>1.4211</b>		<b>7,618.0006</b>	<b>7,618.0006</b>	<b>2.4638</b>		<b>7,679.5960</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0316	0.9390	0.2953	1.9400e-003	0.0464	2.8100e-003	0.0492	0.0134	2.6900e-003	0.0161		207.0036	207.0036	0.0129		207.3257
Worker	0.1365	0.1086	0.9383	2.5600e-003	0.2966	1.8400e-003	0.2984	0.0787	1.6900e-003	0.0804		255.1842	255.1842	7.7600e-003		255.3781
<b>Total</b>	<b>0.1681</b>	<b>1.0477</b>	<b>1.2336</b>	<b>4.5000e-003</b>	<b>0.3430</b>	<b>4.6500e-003</b>	<b>0.3477</b>	<b>0.0920</b>	<b>4.3800e-003</b>	<b>0.0964</b>		<b>462.1877</b>	<b>462.1877</b>	<b>0.0207</b>		<b>462.7038</b>

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

**3.13 Reconductoring Conductor Install - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0719	38.0846	24.4849	0.0787		1.5447	1.5447		1.4211	1.4211	0.0000	7,618.0006	7,618.0006	2.4638		7,679.5960
<b>Total</b>	<b>4.0719</b>	<b>38.0846</b>	<b>24.4849</b>	<b>0.0787</b>		<b>1.5447</b>	<b>1.5447</b>		<b>1.4211</b>	<b>1.4211</b>	<b>0.0000</b>	<b>7,618.0006</b>	<b>7,618.0006</b>	<b>2.4638</b>		<b>7,679.5960</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0316	0.9390	0.2953	1.9400e-003	0.0464	2.8100e-003	0.0492	0.0134	2.6900e-003	0.0161		207.0036	207.0036	0.0129		207.3257
Worker	0.1365	0.1086	0.9383	2.5600e-003	0.2966	1.8400e-003	0.2984	0.0787	1.6900e-003	0.0804		255.1842	255.1842	7.7600e-003		255.3781
<b>Total</b>	<b>0.1681</b>	<b>1.0477</b>	<b>1.2336</b>	<b>4.5000e-003</b>	<b>0.3430</b>	<b>4.6500e-003</b>	<b>0.3477</b>	<b>0.0920</b>	<b>4.3800e-003</b>	<b>0.0964</b>		<b>462.1877</b>	<b>462.1877</b>	<b>0.0207</b>		<b>462.7038</b>

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

**3.14 70kV Sub Steel Bus Erection - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9838	9.0963	7.5946	0.0232		0.3125	0.3125		0.2875	0.2875		2,243.024 2	2,243.024 2	0.7254		2,261.160 2
<b>Total</b>	<b>0.9838</b>	<b>9.0963</b>	<b>7.5946</b>	<b>0.0232</b>		<b>0.3125</b>	<b>0.3125</b>		<b>0.2875</b>	<b>0.2875</b>		<b>2,243.024 2</b>	<b>2,243.024 2</b>	<b>0.7254</b>		<b>2,261.160 2</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0284	0.8451	0.2658	1.7500e-003	0.0418	2.5300e-003	0.0443	0.0120	2.4200e-003	0.0145		186.3032	186.3032	0.0116		186.5931
Worker	0.0728	0.0579	0.5004	1.3700e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		136.0982	136.0982	4.1400e-003		136.2016
<b>Total</b>	<b>0.1012</b>	<b>0.9031</b>	<b>0.7662</b>	<b>3.1200e-003</b>	<b>0.2000</b>	<b>3.5100e-003</b>	<b>0.2035</b>	<b>0.0540</b>	<b>3.3200e-003</b>	<b>0.0573</b>		<b>322.4014</b>	<b>322.4014</b>	<b>0.0157</b>		<b>322.7948</b>



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

**3.14 70kV Sub Steel Bus Erection - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9838	9.0963	7.5946	0.0232		0.3125	0.3125		0.2875	0.2875	0.0000	2,243.024 2	2,243.024 2	0.7254		2,261.160 2
<b>Total</b>	<b>0.9838</b>	<b>9.0963</b>	<b>7.5946</b>	<b>0.0232</b>		<b>0.3125</b>	<b>0.3125</b>		<b>0.2875</b>	<b>0.2875</b>	<b>0.0000</b>	<b>2,243.024 2</b>	<b>2,243.024 2</b>	<b>0.7254</b>		<b>2,261.160 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0284	0.8451	0.2658	1.7500e-003	0.0418	2.5300e-003	0.0443	0.0120	2.4200e-003	0.0145		186.3032	186.3032	0.0116		186.5931
Worker	0.0728	0.0579	0.5004	1.3700e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		136.0982	136.0982	4.1400e-003		136.2016
<b>Total</b>	<b>0.1012</b>	<b>0.9031</b>	<b>0.7662</b>	<b>3.1200e-003</b>	<b>0.2000</b>	<b>3.5100e-003</b>	<b>0.2035</b>	<b>0.0540</b>	<b>3.3200e-003</b>	<b>0.0573</b>		<b>322.4014</b>	<b>322.4014</b>	<b>0.0157</b>		<b>322.7948</b>

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

**3.15 230kV Sub Ground Grid - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3825	3.5121	2.6063	3.3700e-003		0.2550	0.2550		0.2346	0.2346		326.9225	326.9225	0.1057		329.5658
<b>Total</b>	<b>0.3825</b>	<b>3.5121</b>	<b>2.6063</b>	<b>3.3700e-003</b>		<b>0.2550</b>	<b>0.2550</b>		<b>0.2346</b>	<b>0.2346</b>		<b>326.9225</b>	<b>326.9225</b>	<b>0.1057</b>		<b>329.5658</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0915	2.7232	0.8564	5.6400e-003	0.1346	8.1400e-003	0.1428	0.0388	7.7900e-003	0.0466		600.3103	600.3103	0.0374		601.2445
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.1370</b>	<b>2.7594</b>	<b>1.1692</b>	<b>6.4900e-003</b>	<b>0.2335</b>	<b>8.7500e-003</b>	<b>0.2423</b>	<b>0.0650</b>	<b>8.3500e-003</b>	<b>0.0734</b>		<b>685.3717</b>	<b>685.3717</b>	<b>0.0400</b>		<b>686.3705</b>

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

**3.15 230kV Sub Ground Grid - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3825	3.5121	2.6063	3.3700e-003		0.2550	0.2550		0.2346	0.2346	0.0000	326.9225	326.9225	0.1057		329.5658
<b>Total</b>	<b>0.3825</b>	<b>3.5121</b>	<b>2.6063</b>	<b>3.3700e-003</b>		<b>0.2550</b>	<b>0.2550</b>		<b>0.2346</b>	<b>0.2346</b>	<b>0.0000</b>	<b>326.9225</b>	<b>326.9225</b>	<b>0.1057</b>		<b>329.5658</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0915	2.7232	0.8564	5.6400e-003	0.1346	8.1400e-003	0.1428	0.0388	7.7900e-003	0.0466		600.3103	600.3103	0.0374		601.2445
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.1370</b>	<b>2.7594</b>	<b>1.1692</b>	<b>6.4900e-003</b>	<b>0.2335</b>	<b>8.7500e-003</b>	<b>0.2423</b>	<b>0.0650</b>	<b>8.3500e-003</b>	<b>0.0734</b>		<b>685.3717</b>	<b>685.3717</b>	<b>0.0400</b>		<b>686.3705</b>

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

**3.16 230kV Transmission Conductor - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1408	21.4378	11.6701	0.0394		0.8291	0.8291		0.7628	0.7628		3,814.208 2	3,814.208 2	1.2336		3,845.048 0
<b>Total</b>	<b>2.1408</b>	<b>21.4378</b>	<b>11.6701</b>	<b>0.0394</b>		<b>0.8291</b>	<b>0.8291</b>		<b>0.7628</b>	<b>0.7628</b>		<b>3,814.208 2</b>	<b>3,814.208 2</b>	<b>1.2336</b>		<b>3,845.048 0</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0347	1.0329	0.3248	2.1400e-003	0.0511	3.0900e-003	0.0542	0.0147	2.9500e-003	0.0177		227.7039	227.7039	0.0142		228.0583
Worker	0.1365	0.1086	0.9383	2.5600e-003	0.2966	1.8400e-003	0.2984	0.0787	1.6900e-003	0.0804		255.1842	255.1842	7.7600e-003		255.3781
<b>Total</b>	<b>0.1712</b>	<b>1.1416</b>	<b>1.2631</b>	<b>4.7000e-003</b>	<b>0.3477</b>	<b>4.9300e-003</b>	<b>0.3526</b>	<b>0.0934</b>	<b>4.6400e-003</b>	<b>0.0980</b>		<b>482.8881</b>	<b>482.8881</b>	<b>0.0219</b>		<b>483.4363</b>

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

**3.16 230kV Transmission Conductor - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1408	21.4378	11.6701	0.0394		0.8291	0.8291		0.7628	0.7628	0.0000	3,814.208 2	3,814.208 2	1.2336		3,845.048 0
<b>Total</b>	<b>2.1408</b>	<b>21.4378</b>	<b>11.6701</b>	<b>0.0394</b>		<b>0.8291</b>	<b>0.8291</b>		<b>0.7628</b>	<b>0.7628</b>	<b>0.0000</b>	<b>3,814.208 2</b>	<b>3,814.208 2</b>	<b>1.2336</b>		<b>3,845.048 0</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0347	1.0329	0.3248	2.1400e-003	0.0511	3.0900e-003	0.0542	0.0147	2.9500e-003	0.0177		227.7039	227.7039	0.0142		228.0583
Worker	0.1365	0.1086	0.9383	2.5600e-003	0.2966	1.8400e-003	0.2984	0.0787	1.6900e-003	0.0804		255.1842	255.1842	7.7600e-003		255.3781
<b>Total</b>	<b>0.1712</b>	<b>1.1416</b>	<b>1.2631</b>	<b>4.7000e-003</b>	<b>0.3477</b>	<b>4.9300e-003</b>	<b>0.3526</b>	<b>0.0934</b>	<b>4.6400e-003</b>	<b>0.0980</b>		<b>482.8881</b>	<b>482.8881</b>	<b>0.0219</b>		<b>483.4363</b>

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

**3.17 70 kV Substation Equip Delivery - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4389	4.0876	3.4819	0.0104		0.1394	0.1394		0.1282	0.1282		1,009.6413	1,009.6413	0.3265		1,017.8048
<b>Total</b>	<b>0.4389</b>	<b>4.0876</b>	<b>3.4819</b>	<b>0.0104</b>		<b>0.1394</b>	<b>0.1394</b>		<b>0.1282</b>	<b>0.1282</b>		<b>1,009.6413</b>	<b>1,009.6413</b>	<b>0.3265</b>		<b>1,017.8048</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0379	1.1268	0.3544	2.3300e-003	0.0557	3.3700e-003	0.0591	0.0161	3.2200e-003	0.0193		248.4043	248.4043	0.0155		248.7908
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.0925</b>	<b>1.1703</b>	<b>0.7297</b>	<b>3.3500e-003</b>	<b>0.1743</b>	<b>4.1000e-003</b>	<b>0.1785</b>	<b>0.0475</b>	<b>3.9000e-003</b>	<b>0.0514</b>		<b>350.4779</b>	<b>350.4779</b>	<b>0.0186</b>		<b>350.9421</b>

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

**3.17 70 kV Substation Equip Delivery - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4389	4.0876	3.4819	0.0104		0.1394	0.1394		0.1282	0.1282	0.0000	1,009.6413	1,009.6413	0.3265		1,017.8048
<b>Total</b>	<b>0.4389</b>	<b>4.0876</b>	<b>3.4819</b>	<b>0.0104</b>		<b>0.1394</b>	<b>0.1394</b>		<b>0.1282</b>	<b>0.1282</b>	<b>0.0000</b>	<b>1,009.6413</b>	<b>1,009.6413</b>	<b>0.3265</b>		<b>1,017.8048</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0379	1.1268	0.3544	2.3300e-003	0.0557	3.3700e-003	0.0591	0.0161	3.2200e-003	0.0193		248.4043	248.4043	0.0155		248.7908
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.0925</b>	<b>1.1703</b>	<b>0.7297</b>	<b>3.3500e-003</b>	<b>0.1743</b>	<b>4.1000e-003</b>	<b>0.1785</b>	<b>0.0475</b>	<b>3.9000e-003</b>	<b>0.0514</b>		<b>350.4779</b>	<b>350.4779</b>	<b>0.0186</b>		<b>350.9421</b>

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

**3.18 70kV Substation Control Enclosure - 2021**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3100e-003	0.1878	0.0591	3.9000e-004	9.2900e-003	5.6000e-004	9.8500e-003	2.6700e-003	5.4000e-004	3.2100e-003		41.4007	41.4007	2.5800e-003		41.4651
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.0518</b>	<b>0.2240</b>	<b>0.3718</b>	<b>1.2400e-003</b>	<b>0.1082</b>	<b>1.1700e-003</b>	<b>0.1093</b>	<b>0.0289</b>	<b>1.1000e-003</b>	<b>0.0300</b>		<b>126.4621</b>	<b>126.4621</b>	<b>5.1700e-003</b>		<b>126.5912</b>



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

**3.18 70kV Substation Control Enclosure - 2021**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3100e-003	0.1878	0.0591	3.9000e-004	9.2900e-003	5.6000e-004	9.8500e-003	2.6700e-003	5.4000e-004	3.2100e-003		41.4007	41.4007	2.5800e-003		41.4651
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.0518</b>	<b>0.2240</b>	<b>0.3718</b>	<b>1.2400e-003</b>	<b>0.1082</b>	<b>1.1700e-003</b>	<b>0.1093</b>	<b>0.0289</b>	<b>1.1000e-003</b>	<b>0.0300</b>		<b>126.4621</b>	<b>126.4621</b>	<b>5.1700e-003</b>		<b>126.5912</b>

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

**3.19 230kV Sub Steel Bus - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6340	5.7138	4.4249	0.0145		0.2017	0.2017		0.1855	0.1855		1,400.4879	1,400.4879	0.4530		1,411.8115
<b>Total</b>	<b>0.6340</b>	<b>5.7138</b>	<b>4.4249</b>	<b>0.0145</b>		<b>0.2017</b>	<b>0.2017</b>		<b>0.1855</b>	<b>0.1855</b>		<b>1,400.4879</b>	<b>1,400.4879</b>	<b>0.4530</b>		<b>1,411.8115</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0947	2.8171	0.8859	5.8300e-003	0.1393	8.4200e-003	0.1477	0.0401	8.0600e-003	0.0482		621.0107	621.0107	0.0387		621.9771
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.1402</b>	<b>2.8533</b>	<b>1.1987</b>	<b>6.6800e-003</b>	<b>0.2381</b>	<b>9.0300e-003</b>	<b>0.2472</b>	<b>0.0663</b>	<b>8.6200e-003</b>	<b>0.0750</b>		<b>706.0721</b>	<b>706.0721</b>	<b>0.0413</b>		<b>707.1031</b>

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

**3.19 230kV Sub Steel Bus - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6340	5.7138	4.4249	0.0145		0.2017	0.2017		0.1855	0.1855	0.0000	1,400.4879	1,400.4879	0.4530		1,411.8115
<b>Total</b>	<b>0.6340</b>	<b>5.7138</b>	<b>4.4249</b>	<b>0.0145</b>		<b>0.2017</b>	<b>0.2017</b>		<b>0.1855</b>	<b>0.1855</b>	<b>0.0000</b>	<b>1,400.4879</b>	<b>1,400.4879</b>	<b>0.4530</b>		<b>1,411.8115</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0947	2.8171	0.8859	5.8300e-003	0.1393	8.4200e-003	0.1477	0.0401	8.0600e-003	0.0482		621.0107	621.0107	0.0387		621.9771
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.1402</b>	<b>2.8533</b>	<b>1.1987</b>	<b>6.6800e-003</b>	<b>0.2381</b>	<b>9.0300e-003</b>	<b>0.2472</b>	<b>0.0663</b>	<b>8.6200e-003</b>	<b>0.0750</b>		<b>706.0721</b>	<b>706.0721</b>	<b>0.0413</b>		<b>707.1031</b>

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

**3.20 230kV Sub Install Yard Rock - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0944	1.2544	1.7374	2.5900e-003		0.0510	0.0510		0.0470	0.0470		250.2480	250.2480	0.0809		252.2714
<b>Total</b>	<b>0.0944</b>	<b>1.2544</b>	<b>1.7374</b>	<b>2.5900e-003</b>		<b>0.0510</b>	<b>0.0510</b>		<b>0.0470</b>	<b>0.0470</b>		<b>250.2480</b>	<b>250.2480</b>	<b>0.0809</b>		<b>252.2714</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	4.2257	1.3289	8.7500e-003	0.2089	0.0126	0.2216	0.0602	0.0121	0.0723		931.5160	931.5160	0.0580		932.9656
Worker	0.0728	0.0579	0.5004	1.3700e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		136.0982	136.0982	4.1400e-003		136.2016
<b>Total</b>	<b>0.2148</b>	<b>4.2836</b>	<b>1.8293</b>	<b>0.0101</b>	<b>0.3671</b>	<b>0.0136</b>	<b>0.3807</b>	<b>0.1021</b>	<b>0.0130</b>	<b>0.1151</b>		<b>1,067.614 2</b>	<b>1,067.614 2</b>	<b>0.0621</b>		<b>1,069.167 3</b>

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

**3.20 230kV Sub Install Yard Rock - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0944	1.2544	1.7374	2.5900e-003		0.0510	0.0510		0.0470	0.0470	0.0000	250.2480	250.2480	0.0809		252.2714
<b>Total</b>	<b>0.0944</b>	<b>1.2544</b>	<b>1.7374</b>	<b>2.5900e-003</b>		<b>0.0510</b>	<b>0.0510</b>		<b>0.0470</b>	<b>0.0470</b>	<b>0.0000</b>	<b>250.2480</b>	<b>250.2480</b>	<b>0.0809</b>		<b>252.2714</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	4.2257	1.3289	8.7500e-003	0.2089	0.0126	0.2216	0.0602	0.0121	0.0723		931.5160	931.5160	0.0580		932.9656
Worker	0.0728	0.0579	0.5004	1.3700e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		136.0982	136.0982	4.1400e-003		136.2016
<b>Total</b>	<b>0.2148</b>	<b>4.2836</b>	<b>1.8293</b>	<b>0.0101</b>	<b>0.3671</b>	<b>0.0136</b>	<b>0.3807</b>	<b>0.1021</b>	<b>0.0130</b>	<b>0.1151</b>		<b>1,067.614 2</b>	<b>1,067.614 2</b>	<b>0.0621</b>		<b>1,069.167 3</b>

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

**3.21 70kV Substation Cable Installation - 2021**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.4700e-003	0.2817	0.0886	5.8000e-004	0.0139	8.4000e-004	0.0148	4.0100e-003	8.1000e-004	4.8200e-003		62.1011	62.1011	3.8700e-003		62.1977
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.0550</b>	<b>0.3179</b>	<b>0.4014</b>	<b>1.4300e-003</b>	<b>0.1128</b>	<b>1.4500e-003</b>	<b>0.1142</b>	<b>0.0302</b>	<b>1.3700e-003</b>	<b>0.0316</b>		<b>147.1625</b>	<b>147.1625</b>	<b>6.4600e-003</b>		<b>147.3237</b>

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

**3.21 70kV Substation Cable Installation - 2021**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.4700e-003	0.2817	0.0886	5.8000e-004	0.0139	8.4000e-004	0.0148	4.0100e-003	8.1000e-004	4.8200e-003		62.1011	62.1011	3.8700e-003		62.1977
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.0550</b>	<b>0.3179</b>	<b>0.4014</b>	<b>1.4300e-003</b>	<b>0.1128</b>	<b>1.4500e-003</b>	<b>0.1142</b>	<b>0.0302</b>	<b>1.3700e-003</b>	<b>0.0316</b>		<b>147.1625</b>	<b>147.1625</b>	<b>6.4600e-003</b>		<b>147.3237</b>

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

**3.22 230kV Sub Transformer - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5050	22.8802	16.0937	0.0509		0.9069	0.9069		0.8427	0.8427		4,922.3220	4,922.3220	1.4859		4,959.4698
<b>Total</b>	<b>2.5050</b>	<b>22.8802</b>	<b>16.0937</b>	<b>0.0509</b>		<b>0.9069</b>	<b>0.9069</b>		<b>0.8427</b>	<b>0.8427</b>		<b>4,922.3220</b>	<b>4,922.3220</b>	<b>1.4859</b>		<b>4,959.4698</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0947	2.8171	0.8859	5.8300e-003	0.1393	8.4200e-003	0.1477	0.0401	8.0600e-003	0.0482		621.0107	621.0107	0.0387		621.9771
Worker	0.0728	0.0579	0.5004	1.3700e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		136.0982	136.0982	4.1400e-003		136.2016
<b>Total</b>	<b>0.1675</b>	<b>2.8750</b>	<b>1.3864</b>	<b>7.2000e-003</b>	<b>0.2975</b>	<b>9.4000e-003</b>	<b>0.3069</b>	<b>0.0821</b>	<b>8.9600e-003</b>	<b>0.0910</b>		<b>757.1089</b>	<b>757.1089</b>	<b>0.0428</b>		<b>758.1787</b>



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

**3.22 230kV Sub Transformer - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5050	22.8802	16.0937	0.0509		0.9069	0.9069		0.8427	0.8427	0.0000	4,922.3220	4,922.3220	1.4859		4,959.4698
<b>Total</b>	<b>2.5050</b>	<b>22.8802</b>	<b>16.0937</b>	<b>0.0509</b>		<b>0.9069</b>	<b>0.9069</b>		<b>0.8427</b>	<b>0.8427</b>	<b>0.0000</b>	<b>4,922.3220</b>	<b>4,922.3220</b>	<b>1.4859</b>		<b>4,959.4698</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0947	2.8171	0.8859	5.8300e-003	0.1393	8.4200e-003	0.1477	0.0401	8.0600e-003	0.0482		621.0107	621.0107	0.0387		621.9771
Worker	0.0728	0.0579	0.5004	1.3700e-003	0.1582	9.8000e-004	0.1592	0.0420	9.0000e-004	0.0429		136.0982	136.0982	4.1400e-003		136.2016
<b>Total</b>	<b>0.1675</b>	<b>2.8750</b>	<b>1.3864</b>	<b>7.2000e-003</b>	<b>0.2975</b>	<b>9.4000e-003</b>	<b>0.3069</b>	<b>0.0821</b>	<b>8.9600e-003</b>	<b>0.0910</b>		<b>757.1089</b>	<b>757.1089</b>	<b>0.0428</b>		<b>758.1787</b>

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

**3.23 230kV Transmission Cleanup Restore - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5466	6.8725	2.8973	8.1800e-003		0.2436	0.2436		0.2241	0.2241		792.1342	792.1342	0.2562		798.5390
<b>Total</b>	<b>0.5466</b>	<b>6.8725</b>	<b>2.8973</b>	<b>8.1800e-003</b>	<b>0.5303</b>	<b>0.2436</b>	<b>0.7738</b>	<b>0.0573</b>	<b>0.2241</b>	<b>0.2814</b>		<b>792.1342</b>	<b>792.1342</b>	<b>0.2562</b>		<b>798.5390</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0284	0.8451	0.2658	1.7500e-003	0.0418	2.5300e-003	0.0443	0.0120	2.4200e-003	0.0145		186.3032	186.3032	0.0116		186.5931
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.0739</b>	<b>0.8813</b>	<b>0.5786</b>	<b>2.6000e-003</b>	<b>0.1407</b>	<b>3.1400e-003</b>	<b>0.1438</b>	<b>0.0383</b>	<b>2.9800e-003</b>	<b>0.0412</b>		<b>271.3646</b>	<b>271.3646</b>	<b>0.0142</b>		<b>271.7191</b>

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

**3.23 230kV Transmission Cleanup Restore - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.5466	6.8725	2.8973	8.1800e-003		0.2436	0.2436		0.2241	0.2241	0.0000	792.1342	792.1342	0.2562		798.5390
<b>Total</b>	<b>0.5466</b>	<b>6.8725</b>	<b>2.8973</b>	<b>8.1800e-003</b>	<b>0.2386</b>	<b>0.2436</b>	<b>0.4822</b>	<b>0.0258</b>	<b>0.2241</b>	<b>0.2499</b>	<b>0.0000</b>	<b>792.1342</b>	<b>792.1342</b>	<b>0.2562</b>		<b>798.5390</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0284	0.8451	0.2658	1.7500e-003	0.0418	2.5300e-003	0.0443	0.0120	2.4200e-003	0.0145		186.3032	186.3032	0.0116		186.5931
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.0739</b>	<b>0.8813</b>	<b>0.5786</b>	<b>2.6000e-003</b>	<b>0.1407</b>	<b>3.1400e-003</b>	<b>0.1438</b>	<b>0.0383</b>	<b>2.9800e-003</b>	<b>0.0412</b>		<b>271.3646</b>	<b>271.3646</b>	<b>0.0142</b>		<b>271.7191</b>

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

**3.24 230kV Sub Control Enclosure Delivery - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3097	3.6370	1.4871	4.3300e-003		0.1477	0.1477		0.1359	0.1359		419.0541	419.0541	0.1355		422.4423
<b>Total</b>	<b>0.3097</b>	<b>3.6370</b>	<b>1.4871</b>	<b>4.3300e-003</b>		<b>0.1477</b>	<b>0.1477</b>		<b>0.1359</b>	<b>0.1359</b>		<b>419.0541</b>	<b>419.0541</b>	<b>0.1355</b>		<b>422.4423</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3100e-003	0.1878	0.0591	3.9000e-004	9.2900e-003	5.6000e-004	9.8500e-003	2.6700e-003	5.4000e-004	3.2100e-003		41.4007	41.4007	2.5800e-003		41.4651
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.0609</b>	<b>0.2313</b>	<b>0.4344</b>	<b>1.4100e-003</b>	<b>0.1279</b>	<b>1.2900e-003</b>	<b>0.1292</b>	<b>0.0341</b>	<b>1.2200e-003</b>	<b>0.0354</b>		<b>143.4744</b>	<b>143.4744</b>	<b>5.6800e-003</b>		<b>143.6164</b>

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

**3.24 230kV Sub Control Enclosure Delivery - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3097	3.6370	1.4871	4.3300e-003		0.1477	0.1477		0.1359	0.1359	0.0000	419.0541	419.0541	0.1355		422.4423
<b>Total</b>	<b>0.3097</b>	<b>3.6370</b>	<b>1.4871</b>	<b>4.3300e-003</b>		<b>0.1477</b>	<b>0.1477</b>		<b>0.1359</b>	<b>0.1359</b>	<b>0.0000</b>	<b>419.0541</b>	<b>419.0541</b>	<b>0.1355</b>		<b>422.4423</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3100e-003	0.1878	0.0591	3.9000e-004	9.2900e-003	5.6000e-004	9.8500e-003	2.6700e-003	5.4000e-004	3.2100e-003		41.4007	41.4007	2.5800e-003		41.4651
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.0609</b>	<b>0.2313</b>	<b>0.4344</b>	<b>1.4100e-003</b>	<b>0.1279</b>	<b>1.2900e-003</b>	<b>0.1292</b>	<b>0.0341</b>	<b>1.2200e-003</b>	<b>0.0354</b>		<b>143.4744</b>	<b>143.4744</b>	<b>5.6800e-003</b>		<b>143.6164</b>

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

**3.25 70kV Substation Install Yard Rock - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1873	1.8958	2.2602	3.1100e-003		0.1118	0.1118		0.1028	0.1028		300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.1873</b>	<b>1.8958</b>	<b>2.2602</b>	<b>3.1100e-003</b>		<b>0.1118</b>	<b>0.1118</b>		<b>0.1028</b>	<b>0.1028</b>		<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0505	1.5025	0.4725	3.1100e-003	0.0743	4.4900e-003	0.0788	0.0214	4.3000e-003	0.0257		331.2057	331.2057	0.0206		331.7211
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.1051</b>	<b>1.5459</b>	<b>0.8478</b>	<b>4.1300e-003</b>	<b>0.1929</b>	<b>5.2200e-003</b>	<b>0.1982</b>	<b>0.0529</b>	<b>4.9800e-003</b>	<b>0.0578</b>		<b>433.2794</b>	<b>433.2794</b>	<b>0.0237</b>		<b>433.8723</b>

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

**3.25 70kV Substation Install Yard Rock - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1873	1.8958	2.2602	3.1100e-003		0.1118	0.1118		0.1028	0.1028	0.0000	300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.1873</b>	<b>1.8958</b>	<b>2.2602</b>	<b>3.1100e-003</b>		<b>0.1118</b>	<b>0.1118</b>		<b>0.1028</b>	<b>0.1028</b>	<b>0.0000</b>	<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0505	1.5025	0.4725	3.1100e-003	0.0743	4.4900e-003	0.0788	0.0214	4.3000e-003	0.0257		331.2057	331.2057	0.0206		331.7211
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.1051</b>	<b>1.5459</b>	<b>0.8478</b>	<b>4.1300e-003</b>	<b>0.1929</b>	<b>5.2200e-003</b>	<b>0.1982</b>	<b>0.0529</b>	<b>4.9800e-003</b>	<b>0.0578</b>		<b>433.2794</b>	<b>433.2794</b>	<b>0.0237</b>		<b>433.8723</b>

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

**3.26 230kV Sub Remaining Equipment Delivery - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4544	3.9475	2.7033	9.9100e-003		0.1448	0.1448		0.1332	0.1332		958.8923	958.8923	0.3101		966.6454
<b>Total</b>	<b>0.4544</b>	<b>3.9475</b>	<b>2.7033</b>	<b>9.9100e-003</b>		<b>0.1448</b>	<b>0.1448</b>		<b>0.1332</b>	<b>0.1332</b>		<b>958.8923</b>	<b>958.8923</b>	<b>0.3101</b>		<b>966.6454</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0884	2.6293	0.8269	5.4400e-003	0.1300	7.8600e-003	0.1379	0.0374	7.5200e-003	0.0450		579.6100	579.6100	0.0361		580.5119
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.1339</b>	<b>2.6655</b>	<b>1.1396</b>	<b>6.2900e-003</b>	<b>0.2289</b>	<b>8.4700e-003</b>	<b>0.2373</b>	<b>0.0637</b>	<b>8.0800e-003</b>	<b>0.0717</b>		<b>664.6714</b>	<b>664.6714</b>	<b>0.0387</b>		<b>665.6380</b>



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

**3.26 230kV Sub Remaining Equipment Delivery - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4544	3.9475	2.7033	9.9100e-003		0.1448	0.1448		0.1332	0.1332	0.0000	958.8923	958.8923	0.3101		966.6454
<b>Total</b>	<b>0.4544</b>	<b>3.9475</b>	<b>2.7033</b>	<b>9.9100e-003</b>		<b>0.1448</b>	<b>0.1448</b>		<b>0.1332</b>	<b>0.1332</b>	<b>0.0000</b>	<b>958.8923</b>	<b>958.8923</b>	<b>0.3101</b>		<b>966.6454</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0884	2.6293	0.8269	5.4400e-003	0.1300	7.8600e-003	0.1379	0.0374	7.5200e-003	0.0450		579.6100	579.6100	0.0361		580.5119
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.1339</b>	<b>2.6655</b>	<b>1.1396</b>	<b>6.2900e-003</b>	<b>0.2289</b>	<b>8.4700e-003</b>	<b>0.2373</b>	<b>0.0637</b>	<b>8.0800e-003</b>	<b>0.0717</b>		<b>664.6714</b>	<b>664.6714</b>	<b>0.0387</b>		<b>665.6380</b>

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

**3.27 70kV Substation Cleanup Restore - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0573</b>	<b>0.0000</b>	<b>0.0573</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0364	0.0290	0.2502	6.8000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		68.0491	68.0491	2.0700e-003		68.1008
<b>Total</b>	<b>0.0364</b>	<b>0.0290</b>	<b>0.2502</b>	<b>6.8000e-004</b>	<b>0.0791</b>	<b>4.9000e-004</b>	<b>0.0796</b>	<b>0.0210</b>	<b>4.5000e-004</b>	<b>0.0214</b>		<b>68.0491</b>	<b>68.0491</b>	<b>2.0700e-003</b>		<b>68.1008</b>

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

**3.27 70kV Substation Cleanup Restore - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.2386</b>	<b>0.0000</b>	<b>0.2386</b>	<b>0.0258</b>	<b>0.0000</b>	<b>0.0258</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0364	0.0290	0.2502	6.8000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		68.0491	68.0491	2.0700e-003		68.1008
<b>Total</b>	<b>0.0364</b>	<b>0.0290</b>	<b>0.2502</b>	<b>6.8000e-004</b>	<b>0.0791</b>	<b>4.9000e-004</b>	<b>0.0796</b>	<b>0.0210</b>	<b>4.5000e-004</b>	<b>0.0214</b>		<b>68.0491</b>	<b>68.0491</b>	<b>2.0700e-003</b>		<b>68.1008</b>

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

**3.28 230kV Sub Cable Install Termination - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0375	0.6006	1.0941	1.6800e-003		0.0115	0.0115		0.0105	0.0105		162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0375</b>	<b>0.6006</b>	<b>1.0941</b>	<b>1.6800e-003</b>		<b>0.0115</b>	<b>0.0115</b>		<b>0.0105</b>	<b>0.0105</b>		<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.4700e-003	0.2817	0.0886	5.8000e-004	0.0139	8.4000e-004	0.0148	4.0100e-003	8.1000e-004	4.8200e-003		62.1011	62.1011	3.8700e-003		62.1977
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.0550</b>	<b>0.3179</b>	<b>0.4014</b>	<b>1.4300e-003</b>	<b>0.1128</b>	<b>1.4500e-003</b>	<b>0.1142</b>	<b>0.0302</b>	<b>1.3700e-003</b>	<b>0.0316</b>		<b>147.1625</b>	<b>147.1625</b>	<b>6.4600e-003</b>		<b>147.3237</b>

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

**3.28 230kV Sub Cable Install Termination - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0375	0.6006	1.0941	1.6800e-003		0.0115	0.0115		0.0105	0.0105	0.0000	162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0375</b>	<b>0.6006</b>	<b>1.0941</b>	<b>1.6800e-003</b>		<b>0.0115</b>	<b>0.0115</b>		<b>0.0105</b>	<b>0.0105</b>	<b>0.0000</b>	<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.4700e-003	0.2817	0.0886	5.8000e-004	0.0139	8.4000e-004	0.0148	4.0100e-003	8.1000e-004	4.8200e-003		62.1011	62.1011	3.8700e-003		62.1977
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.0550</b>	<b>0.3179</b>	<b>0.4014</b>	<b>1.4300e-003</b>	<b>0.1128</b>	<b>1.4500e-003</b>	<b>0.1142</b>	<b>0.0302</b>	<b>1.3700e-003</b>	<b>0.0316</b>		<b>147.1625</b>	<b>147.1625</b>	<b>6.4600e-003</b>		<b>147.3237</b>

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

**3.29 70kV Substation Testing Commissioning - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0000</b>	<b>0.5303</b>	<b>0.0573</b>	<b>0.0000</b>	<b>0.0573</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3100e-003	0.1878	0.0591	3.9000e-004	9.2900e-003	5.6000e-004	9.8500e-003	2.6700e-003	5.4000e-004	3.2100e-003		41.4007	41.4007	2.5800e-003		41.4651
Worker	0.0364	0.0290	0.2502	6.8000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		68.0491	68.0491	2.0700e-003		68.1008
<b>Total</b>	<b>0.0427</b>	<b>0.2168</b>	<b>0.3093</b>	<b>1.0700e-003</b>	<b>0.0884</b>	<b>1.0500e-003</b>	<b>0.0894</b>	<b>0.0237</b>	<b>9.9000e-004</b>	<b>0.0246</b>		<b>109.4498</b>	<b>109.4498</b>	<b>4.6500e-003</b>		<b>109.5660</b>

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

**3.29 70kV Substation Testing Commissioning - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.2386</b>	<b>0.0000</b>	<b>0.2386</b>	<b>0.0258</b>	<b>0.0000</b>	<b>0.0258</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3100e-003	0.1878	0.0591	3.9000e-004	9.2900e-003	5.6000e-004	9.8500e-003	2.6700e-003	5.4000e-004	3.2100e-003		41.4007	41.4007	2.5800e-003		41.4651
Worker	0.0364	0.0290	0.2502	6.8000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		68.0491	68.0491	2.0700e-003		68.1008
<b>Total</b>	<b>0.0427</b>	<b>0.2168</b>	<b>0.3093</b>	<b>1.0700e-003</b>	<b>0.0884</b>	<b>1.0500e-003</b>	<b>0.0894</b>	<b>0.0237</b>	<b>9.9000e-004</b>	<b>0.0246</b>		<b>109.4498</b>	<b>109.4498</b>	<b>4.6500e-003</b>		<b>109.5660</b>

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

**3.30 230kV Sub Testing and Commissioning - 2021**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0821	2.4415	0.7678	5.0500e-003	0.1207	7.3000e-003	0.1280	0.0348	6.9800e-003	0.0418		538.2093	538.2093	0.0335		539.0468
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.1276</b>	<b>2.4777</b>	<b>1.0806</b>	<b>5.9000e-003</b>	<b>0.2196</b>	<b>7.9100e-003</b>	<b>0.2275</b>	<b>0.0610</b>	<b>7.5400e-003</b>	<b>0.0685</b>		<b>623.2706</b>	<b>623.2706</b>	<b>0.0361</b>		<b>624.1728</b>



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

**3.30 230kV Sub Testing and Commissioning - 2021**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0821	2.4415	0.7678	5.0500e-003	0.1207	7.3000e-003	0.1280	0.0348	6.9800e-003	0.0418		538.2093	538.2093	0.0335		539.0468
Worker	0.0455	0.0362	0.3128	8.5000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.0614	85.0614	2.5900e-003		85.1260
<b>Total</b>	<b>0.1276</b>	<b>2.4777</b>	<b>1.0806</b>	<b>5.9000e-003</b>	<b>0.2196</b>	<b>7.9100e-003</b>	<b>0.2275</b>	<b>0.0610</b>	<b>7.5400e-003</b>	<b>0.0685</b>		<b>623.2706</b>	<b>623.2706</b>	<b>0.0361</b>		<b>624.1728</b>

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

**3.31 230kV Substation Cleanup Restore - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3002	2.8932	3.1755	4.2500e-003		0.1851	0.1851		0.1703	0.1703		411.6887	411.6887	0.1332		415.0174
<b>Total</b>	<b>0.3002</b>	<b>2.8932</b>	<b>3.1755</b>	<b>4.2500e-003</b>	<b>0.0000</b>	<b>0.1851</b>	<b>0.1851</b>	<b>0.0000</b>	<b>0.1703</b>	<b>0.1703</b>		<b>411.6887</b>	<b>411.6887</b>	<b>0.1332</b>		<b>415.0174</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0915	2.7232	0.8564	5.6400e-003	0.1346	8.1400e-003	0.1428	0.0388	7.7900e-003	0.0466		600.3103	600.3103	0.0374		601.2445
Worker	0.0273	0.0217	0.1877	5.1000e-004	0.0593	3.7000e-004	0.0597	0.0157	3.4000e-004	0.0161		51.0368	51.0368	1.5500e-003		51.0756
<b>Total</b>	<b>0.1188</b>	<b>2.7449</b>	<b>1.0441</b>	<b>6.1500e-003</b>	<b>0.1940</b>	<b>8.5100e-003</b>	<b>0.2025</b>	<b>0.0545</b>	<b>8.1300e-003</b>	<b>0.0626</b>		<b>651.3471</b>	<b>651.3471</b>	<b>0.0389</b>		<b>652.3201</b>

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

**3.31 230kV Substation Cleanup Restore - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3002	2.8932	3.1755	4.2500e-003		0.1851	0.1851		0.1703	0.1703	0.0000	411.6887	411.6887	0.1332		415.0174
<b>Total</b>	<b>0.3002</b>	<b>2.8932</b>	<b>3.1755</b>	<b>4.2500e-003</b>	<b>0.0000</b>	<b>0.1851</b>	<b>0.1851</b>	<b>0.0000</b>	<b>0.1703</b>	<b>0.1703</b>	<b>0.0000</b>	<b>411.6887</b>	<b>411.6887</b>	<b>0.1332</b>		<b>415.0174</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0915	2.7232	0.8564	5.6400e-003	0.1346	8.1400e-003	0.1428	0.0388	7.7900e-003	0.0466		600.3103	600.3103	0.0374		601.2445
Worker	0.0273	0.0217	0.1877	5.1000e-004	0.0593	3.7000e-004	0.0597	0.0157	3.4000e-004	0.0161		51.0368	51.0368	1.5500e-003		51.0756
<b>Total</b>	<b>0.1188</b>	<b>2.7449</b>	<b>1.0441</b>	<b>6.1500e-003</b>	<b>0.1940</b>	<b>8.5100e-003</b>	<b>0.2025</b>	<b>0.0545</b>	<b>8.1300e-003</b>	<b>0.0626</b>		<b>651.3471</b>	<b>651.3471</b>	<b>0.0389</b>		<b>652.3201</b>

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

**3.32 70kV Power Line Site Work Prep - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.7731	9.8348	3.7809	0.0115		0.3374	0.3374		0.3104	0.3104		1,112.9762	1,112.9762	0.3600		1,121.9752
<b>Total</b>	<b>0.7731</b>	<b>9.8348</b>	<b>3.7809</b>	<b>0.0115</b>	<b>0.5303</b>	<b>0.3374</b>	<b>0.8677</b>	<b>0.0573</b>	<b>0.3104</b>	<b>0.3677</b>		<b>1,112.9762</b>	<b>1,112.9762</b>	<b>0.3600</b>		<b>1,121.9752</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0316	0.9390	0.2953	1.9400e-003	0.0464	2.8100e-003	0.0492	0.0134	2.6900e-003	0.0161		207.0036	207.0036	0.0129		207.3257
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.0862</b>	<b>0.9825</b>	<b>0.6706</b>	<b>2.9600e-003</b>	<b>0.1651</b>	<b>3.5400e-003</b>	<b>0.1686</b>	<b>0.0448</b>	<b>3.3700e-003</b>	<b>0.0482</b>		<b>309.0772</b>	<b>309.0772</b>	<b>0.0160</b>		<b>309.4769</b>

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

**3.32 70kV Power Line Site Work Prep - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.7731	9.8348	3.7809	0.0115		0.3374	0.3374		0.3104	0.3104	0.0000	1,112.9762	1,112.9762	0.3600		1,121.9752
<b>Total</b>	<b>0.7731</b>	<b>9.8348</b>	<b>3.7809</b>	<b>0.0115</b>	<b>0.2386</b>	<b>0.3374</b>	<b>0.5760</b>	<b>0.0258</b>	<b>0.3104</b>	<b>0.3362</b>	<b>0.0000</b>	<b>1,112.9762</b>	<b>1,112.9762</b>	<b>0.3600</b>		<b>1,121.9752</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0316	0.9390	0.2953	1.9400e-003	0.0464	2.8100e-003	0.0492	0.0134	2.6900e-003	0.0161		207.0036	207.0036	0.0129		207.3257
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.0862</b>	<b>0.9825</b>	<b>0.6706</b>	<b>2.9600e-003</b>	<b>0.1651</b>	<b>3.5400e-003</b>	<b>0.1686</b>	<b>0.0448</b>	<b>3.3700e-003</b>	<b>0.0482</b>		<b>309.0772</b>	<b>309.0772</b>	<b>0.0160</b>		<b>309.4769</b>

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

**3.33 Reconducting Cleanup Restore - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.4334	5.3913	2.4555	6.5200e-003		0.1967	0.1967		0.1809	0.1809		631.7131	631.7131	0.2043		636.8208
<b>Total</b>	<b>0.4334</b>	<b>5.3913</b>	<b>2.4555</b>	<b>6.5200e-003</b>	<b>0.5303</b>	<b>0.1967</b>	<b>0.7269</b>	<b>0.0573</b>	<b>0.1809</b>	<b>0.2382</b>		<b>631.7131</b>	<b>631.7131</b>	<b>0.2043</b>		<b>636.8208</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0158	0.4695	0.1477	9.7000e-004	0.0232	1.4000e-003	0.0246	6.6900e-003	1.3400e-003	8.0300e-003		103.5018	103.5018	6.4400e-003		103.6629
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.0704</b>	<b>0.5130</b>	<b>0.5230</b>	<b>1.9900e-003</b>	<b>0.1418</b>	<b>2.1300e-003</b>	<b>0.1440</b>	<b>0.0382</b>	<b>2.0200e-003</b>	<b>0.0402</b>		<b>205.5755</b>	<b>205.5755</b>	<b>9.5400e-003</b>		<b>205.8141</b>

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

**3.33 Reconductoring Cleanup Restore - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.4334	5.3913	2.4555	6.5200e-003		0.1967	0.1967		0.1809	0.1809	0.0000	631.7131	631.7131	0.2043		636.8208
<b>Total</b>	<b>0.4334</b>	<b>5.3913</b>	<b>2.4555</b>	<b>6.5200e-003</b>	<b>0.2386</b>	<b>0.1967</b>	<b>0.4353</b>	<b>0.0258</b>	<b>0.1809</b>	<b>0.2067</b>	<b>0.0000</b>	<b>631.7131</b>	<b>631.7131</b>	<b>0.2043</b>		<b>636.8208</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0158	0.4695	0.1477	9.7000e-004	0.0232	1.4000e-003	0.0246	6.6900e-003	1.3400e-003	8.0300e-003		103.5018	103.5018	6.4400e-003		103.6629
Worker	0.0546	0.0435	0.3753	1.0200e-003	0.1186	7.3000e-004	0.1194	0.0315	6.8000e-004	0.0321		102.0737	102.0737	3.1000e-003		102.1512
<b>Total</b>	<b>0.0704</b>	<b>0.5130</b>	<b>0.5230</b>	<b>1.9900e-003</b>	<b>0.1418</b>	<b>2.1300e-003</b>	<b>0.1440</b>	<b>0.0382</b>	<b>2.0200e-003</b>	<b>0.0402</b>		<b>205.5755</b>	<b>205.5755</b>	<b>9.5400e-003</b>		<b>205.8141</b>

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

**3.34 70kV Power Line Pole Tower Install - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5144	22.7423	15.8669	0.0522		0.8859	0.8859		0.8151	0.8151		5,055.0999	5,055.0999	1.6349		5,095.9730
<b>Total</b>	<b>2.5144</b>	<b>22.7423</b>	<b>15.8669</b>	<b>0.0522</b>		<b>0.8859</b>	<b>0.8859</b>		<b>0.8151</b>	<b>0.8151</b>		<b>5,055.0999</b>	<b>5,055.0999</b>	<b>1.6349</b>		<b>5,095.9730</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0473	1.4086	0.4430	2.9200e-003	0.0696	4.2100e-003	0.0739	0.0201	4.0300e-003	0.0241		310.5053	310.5053	0.0193		310.9885
Worker	0.1911	0.1521	1.3136	3.5900e-003	0.4152	2.5700e-003	0.4178	0.1101	2.3700e-003	0.1125		357.2578	357.2578	0.0109		357.5293
<b>Total</b>	<b>0.2384</b>	<b>1.5606</b>	<b>1.7566</b>	<b>6.5100e-003</b>	<b>0.4849</b>	<b>6.7800e-003</b>	<b>0.4916</b>	<b>0.1302</b>	<b>6.4000e-003</b>	<b>0.1366</b>		<b>667.7632</b>	<b>667.7632</b>	<b>0.0302</b>		<b>668.5178</b>



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

**3.34 70kV Power Line Pole Tower Install - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5144	22.7423	15.8669	0.0522		0.8859	0.8859		0.8151	0.8151	0.0000	5,055.0999	5,055.0999	1.6349		5,095.9730
<b>Total</b>	<b>2.5144</b>	<b>22.7423</b>	<b>15.8669</b>	<b>0.0522</b>		<b>0.8859</b>	<b>0.8859</b>		<b>0.8151</b>	<b>0.8151</b>	<b>0.0000</b>	<b>5,055.0999</b>	<b>5,055.0999</b>	<b>1.6349</b>		<b>5,095.9730</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0473	1.4086	0.4430	2.9200e-003	0.0696	4.2100e-003	0.0739	0.0201	4.0300e-003	0.0241		310.5053	310.5053	0.0193		310.9885
Worker	0.1911	0.1521	1.3136	3.5900e-003	0.4152	2.5700e-003	0.4178	0.1101	2.3700e-003	0.1125		357.2578	357.2578	0.0109		357.5293
<b>Total</b>	<b>0.2384</b>	<b>1.5606</b>	<b>1.7566</b>	<b>6.5100e-003</b>	<b>0.4849</b>	<b>6.7800e-003</b>	<b>0.4916</b>	<b>0.1302</b>	<b>6.4000e-003</b>	<b>0.1366</b>		<b>667.7632</b>	<b>667.7632</b>	<b>0.0302</b>		<b>668.5178</b>

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

**3.34 70kV Power Line Pole Tower Install - 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	lb/day										lb/day					
Off-Road	2.2007	17.8158	14.9397	0.0522		0.6878	0.6878		0.6328	0.6328		5,057.1027	5,057.1027	1.6356		5,097.9919
<b>Total</b>	<b>2.2007</b>	<b>17.8158</b>	<b>14.9397</b>	<b>0.0522</b>		<b>0.6878</b>	<b>0.6878</b>		<b>0.6328</b>	<b>0.6328</b>		<b>5,057.1027</b>	<b>5,057.1027</b>	<b>1.6356</b>		<b>5,097.9919</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0438	1.3385	0.4095	2.8900e-003	0.0697	3.7100e-003	0.0734	0.0201	3.5500e-003	0.0236		308.3015	308.3015	0.0191		308.7789
Worker	0.1797	0.1367	1.2025	3.4600e-003	0.4152	2.5000e-003	0.4177	0.1101	2.3000e-003	0.1124		344.4888	344.4888	9.7200e-003		344.7319
<b>Total</b>	<b>0.2235</b>	<b>1.4752</b>	<b>1.6120</b>	<b>6.3500e-003</b>	<b>0.4849</b>	<b>6.2100e-003</b>	<b>0.4911</b>	<b>0.1302</b>	<b>5.8500e-003</b>	<b>0.1360</b>		<b>652.7903</b>	<b>652.7903</b>	<b>0.0288</b>		<b>653.5108</b>

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

**3.34 70kV Power Line Pole Tower Install - 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	lb/day										lb/day					
Off-Road	2.2007	17.8158	14.9397	0.0522		0.6878	0.6878		0.6328	0.6328	0.0000	5,057.1026	5,057.1026	1.6356		5,097.9919
<b>Total</b>	<b>2.2007</b>	<b>17.8158</b>	<b>14.9397</b>	<b>0.0522</b>		<b>0.6878</b>	<b>0.6878</b>		<b>0.6328</b>	<b>0.6328</b>	<b>0.0000</b>	<b>5,057.1026</b>	<b>5,057.1026</b>	<b>1.6356</b>		<b>5,097.9919</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0438	1.3385	0.4095	2.8900e-003	0.0697	3.7100e-003	0.0734	0.0201	3.5500e-003	0.0236		308.3015	308.3015	0.0191		308.7789
Worker	0.1797	0.1367	1.2025	3.4600e-003	0.4152	2.5000e-003	0.4177	0.1101	2.3000e-003	0.1124		344.4888	344.4888	9.7200e-003		344.7319
<b>Total</b>	<b>0.2235</b>	<b>1.4752</b>	<b>1.6120</b>	<b>6.3500e-003</b>	<b>0.4849</b>	<b>6.2100e-003</b>	<b>0.4911</b>	<b>0.1302</b>	<b>5.8500e-003</b>	<b>0.1360</b>		<b>652.7903</b>	<b>652.7903</b>	<b>0.0288</b>		<b>653.5108</b>

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

**3.35 Distribution Facilities 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	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>	<b>0.5303</b>	<b>0.0901</b>	<b>0.6204</b>	<b>0.0573</b>	<b>0.0829</b>	<b>0.1402</b>		<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0175	0.5354	0.1638	1.1600e-003	0.0279	1.4800e-003	0.0294	8.0300e-003	1.4200e-003	9.4500e-003		123.3206	123.3206	7.6400e-003		123.5116
Worker	0.0513	0.0391	0.3436	9.9000e-004	0.1186	7.1000e-004	0.1194	0.0315	6.6000e-004	0.0321		98.4254	98.4254	2.7800e-003		98.4948
<b>Total</b>	<b>0.0689</b>	<b>0.5745</b>	<b>0.5074</b>	<b>2.1500e-003</b>	<b>0.1465</b>	<b>2.1900e-003</b>	<b>0.1487</b>	<b>0.0395</b>	<b>2.0800e-003</b>	<b>0.0416</b>		<b>221.7460</b>	<b>221.7460</b>	<b>0.0104</b>		<b>222.0064</b>

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

**3.35 Distribution Facilities 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	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>	<b>0.2386</b>	<b>0.0901</b>	<b>0.3287</b>	<b>0.0258</b>	<b>0.0829</b>	<b>0.1087</b>	<b>0.0000</b>	<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0175	0.5354	0.1638	1.1600e-003	0.0279	1.4800e-003	0.0294	8.0300e-003	1.4200e-003	9.4500e-003		123.3206	123.3206	7.6400e-003		123.5116
Worker	0.0513	0.0391	0.3436	9.9000e-004	0.1186	7.1000e-004	0.1194	0.0315	6.6000e-004	0.0321		98.4254	98.4254	2.7800e-003		98.4948
<b>Total</b>	<b>0.0689</b>	<b>0.5745</b>	<b>0.5074</b>	<b>2.1500e-003</b>	<b>0.1465</b>	<b>2.1900e-003</b>	<b>0.1487</b>	<b>0.0395</b>	<b>2.0800e-003</b>	<b>0.0416</b>		<b>221.7460</b>	<b>221.7460</b>	<b>0.0104</b>		<b>222.0064</b>

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

**3.36 Distribution 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	lb/day										lb/day					
Off-Road	0.0824	0.8378	1.1190	1.5600e-003		0.0451	0.0451		0.0415	0.0415		150.6195	150.6195	0.0487		151.8373
<b>Total</b>	<b>0.0824</b>	<b>0.8378</b>	<b>1.1190</b>	<b>1.5600e-003</b>		<b>0.0451</b>	<b>0.0451</b>		<b>0.0415</b>	<b>0.0415</b>		<b>150.6195</b>	<b>150.6195</b>	<b>0.0487</b>		<b>151.8373</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0175	0.5354	0.1638	1.1600e-003	0.0279	1.4800e-003	0.0294	8.0300e-003	1.4200e-003	9.4500e-003		123.3206	123.3206	7.6400e-003		123.5116
Worker	0.1027	0.0781	0.6872	1.9800e-003	0.2373	1.4300e-003	0.2387	0.0629	1.3200e-003	0.0642		196.8508	196.8508	5.5600e-003		196.9897
<b>Total</b>	<b>0.1202</b>	<b>0.6135</b>	<b>0.8510</b>	<b>3.1400e-003</b>	<b>0.2651</b>	<b>2.9100e-003</b>	<b>0.2680</b>	<b>0.0710</b>	<b>2.7400e-003</b>	<b>0.0737</b>		<b>320.1713</b>	<b>320.1713</b>	<b>0.0132</b>		<b>320.5012</b>

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

**3.36 Distribution 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	lb/day										lb/day					
Off-Road	0.0824	0.8378	1.1190	1.5600e-003		0.0451	0.0451		0.0415	0.0415	0.0000	150.6195	150.6195	0.0487		151.8373
<b>Total</b>	<b>0.0824</b>	<b>0.8378</b>	<b>1.1190</b>	<b>1.5600e-003</b>		<b>0.0451</b>	<b>0.0451</b>		<b>0.0415</b>	<b>0.0415</b>	<b>0.0000</b>	<b>150.6195</b>	<b>150.6195</b>	<b>0.0487</b>		<b>151.8373</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0175	0.5354	0.1638	1.1600e-003	0.0279	1.4800e-003	0.0294	8.0300e-003	1.4200e-003	9.4500e-003		123.3206	123.3206	7.6400e-003		123.5116
Worker	0.1027	0.0781	0.6872	1.9800e-003	0.2373	1.4300e-003	0.2387	0.0629	1.3200e-003	0.0642		196.8508	196.8508	5.5600e-003		196.9897
<b>Total</b>	<b>0.1202</b>	<b>0.6135</b>	<b>0.8510</b>	<b>3.1400e-003</b>	<b>0.2651</b>	<b>2.9100e-003</b>	<b>0.2680</b>	<b>0.0710</b>	<b>2.7400e-003</b>	<b>0.0737</b>		<b>320.1713</b>	<b>320.1713</b>	<b>0.0132</b>		<b>320.5012</b>

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

**3.37 Distribution Ground Grid - 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	lb/day										lb/day					
Off-Road	0.0699	0.7846	0.3548	1.0800e-003		0.0326	0.0326		0.0300	0.0300		104.7807	104.7807	0.0339		105.6279
<b>Total</b>	<b>0.0699</b>	<b>0.7846</b>	<b>0.3548</b>	<b>1.0800e-003</b>		<b>0.0326</b>	<b>0.0326</b>		<b>0.0300</b>	<b>0.0300</b>		<b>104.7807</b>	<b>104.7807</b>	<b>0.0339</b>		<b>105.6279</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0117	0.3569	0.1092	7.7000e-004	0.0186	9.9000e-004	0.0196	5.3500e-003	9.5000e-004	6.3000e-003		82.2137	82.2137	5.0900e-003		82.3411
Worker	0.0856	0.0651	0.5726	1.6500e-003	0.1977	1.1900e-003	0.1989	0.0524	1.1000e-003	0.0535		164.0423	164.0423	4.6300e-003		164.1581
<b>Total</b>	<b>0.0973</b>	<b>0.4220</b>	<b>0.6818</b>	<b>2.4200e-003</b>	<b>0.2163</b>	<b>2.1800e-003</b>	<b>0.2185</b>	<b>0.0578</b>	<b>2.0500e-003</b>	<b>0.0598</b>		<b>246.2560</b>	<b>246.2560</b>	<b>9.7200e-003</b>		<b>246.4991</b>



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

**3.37 Distribution Ground Grid - 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	lb/day										lb/day					
Off-Road	0.0699	0.7846	0.3548	1.0800e-003		0.0326	0.0326		0.0300	0.0300	0.0000	104.7807	104.7807	0.0339		105.6279
<b>Total</b>	<b>0.0699</b>	<b>0.7846</b>	<b>0.3548</b>	<b>1.0800e-003</b>		<b>0.0326</b>	<b>0.0326</b>		<b>0.0300</b>	<b>0.0300</b>	<b>0.0000</b>	<b>104.7807</b>	<b>104.7807</b>	<b>0.0339</b>		<b>105.6279</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0117	0.3569	0.1092	7.7000e-004	0.0186	9.9000e-004	0.0196	5.3500e-003	9.5000e-004	6.3000e-003		82.2137	82.2137	5.0900e-003		82.3411
Worker	0.0856	0.0651	0.5726	1.6500e-003	0.1977	1.1900e-003	0.1989	0.0524	1.1000e-003	0.0535		164.0423	164.0423	4.6300e-003		164.1581
<b>Total</b>	<b>0.0973</b>	<b>0.4220</b>	<b>0.6818</b>	<b>2.4200e-003</b>	<b>0.2163</b>	<b>2.1800e-003</b>	<b>0.2185</b>	<b>0.0578</b>	<b>2.0500e-003</b>	<b>0.0598</b>		<b>246.2560</b>	<b>246.2560</b>	<b>9.7200e-003</b>		<b>246.4991</b>

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

**3.38 Distribution 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	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.7600e-003	0.2677	0.0819	5.8000e-004	0.0139	7.4000e-004	0.0147	4.0100e-003	7.1000e-004	4.7200e-003		61.6603	61.6603	3.8200e-003		61.7558
Worker	0.0428	0.0326	0.2863	8.2000e-004	0.0989	5.9000e-004	0.0995	0.0262	5.5000e-004	0.0268		82.0212	82.0212	2.3200e-003		82.0790
<b>Total</b>	<b>0.0515</b>	<b>0.3003</b>	<b>0.3682</b>	<b>1.4000e-003</b>	<b>0.1128</b>	<b>1.3300e-003</b>	<b>0.1141</b>	<b>0.0302</b>	<b>1.2600e-003</b>	<b>0.0315</b>		<b>143.6814</b>	<b>143.6814</b>	<b>6.1400e-003</b>		<b>143.8348</b>

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

**3.38 Distribution 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	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.7600e-003	0.2677	0.0819	5.8000e-004	0.0139	7.4000e-004	0.0147	4.0100e-003	7.1000e-004	4.7200e-003		61.6603	61.6603	3.8200e-003		61.7558
Worker	0.0428	0.0326	0.2863	8.2000e-004	0.0989	5.9000e-004	0.0995	0.0262	5.5000e-004	0.0268		82.0212	82.0212	2.3200e-003		82.0790
<b>Total</b>	<b>0.0515</b>	<b>0.3003</b>	<b>0.3682</b>	<b>1.4000e-003</b>	<b>0.1128</b>	<b>1.3300e-003</b>	<b>0.1141</b>	<b>0.0302</b>	<b>1.2600e-003</b>	<b>0.0315</b>		<b>143.6814</b>	<b>143.6814</b>	<b>6.1400e-003</b>		<b>143.8348</b>

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

**3.39 Distribution Bank Breaker - 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	lb/day										lb/day					
Off-Road	0.0933	1.0461	0.4731	1.4400e-003		0.0434	0.0434		0.0400	0.0400		139.7076	139.7076	0.0452		140.8372
<b>Total</b>	<b>0.0933</b>	<b>1.0461</b>	<b>0.4731</b>	<b>1.4400e-003</b>		<b>0.0434</b>	<b>0.0434</b>		<b>0.0400</b>	<b>0.0400</b>		<b>139.7076</b>	<b>139.7076</b>	<b>0.0452</b>		<b>140.8372</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.8400e-003	0.1785	0.0546	3.9000e-004	9.2900e-003	4.9000e-004	9.7800e-003	2.6800e-003	4.7000e-004	3.1500e-003		41.1069	41.1069	2.5500e-003		41.1705
Worker	0.0428	0.0326	0.2863	8.2000e-004	0.0989	5.9000e-004	0.0995	0.0262	5.5000e-004	0.0268		82.0212	82.0212	2.3200e-003		82.0790
<b>Total</b>	<b>0.0486</b>	<b>0.2110</b>	<b>0.3409</b>	<b>1.2100e-003</b>	<b>0.1082</b>	<b>1.0800e-003</b>	<b>0.1092</b>	<b>0.0289</b>	<b>1.0200e-003</b>	<b>0.0299</b>		<b>123.1280</b>	<b>123.1280</b>	<b>4.8700e-003</b>		<b>123.2495</b>

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

**3.39 Distribution Bank Breaker - 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	lb/day										lb/day					
Off-Road	0.0933	1.0461	0.4731	1.4400e-003		0.0434	0.0434		0.0400	0.0400	0.0000	139.7076	139.7076	0.0452		140.8372
<b>Total</b>	<b>0.0933</b>	<b>1.0461</b>	<b>0.4731</b>	<b>1.4400e-003</b>		<b>0.0434</b>	<b>0.0434</b>		<b>0.0400</b>	<b>0.0400</b>	<b>0.0000</b>	<b>139.7076</b>	<b>139.7076</b>	<b>0.0452</b>		<b>140.8372</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.8400e-003	0.1785	0.0546	3.9000e-004	9.2900e-003	4.9000e-004	9.7800e-003	2.6800e-003	4.7000e-004	3.1500e-003		41.1069	41.1069	2.5500e-003		41.1705
Worker	0.0428	0.0326	0.2863	8.2000e-004	0.0989	5.9000e-004	0.0995	0.0262	5.5000e-004	0.0268		82.0212	82.0212	2.3200e-003		82.0790
<b>Total</b>	<b>0.0486</b>	<b>0.2110</b>	<b>0.3409</b>	<b>1.2100e-003</b>	<b>0.1082</b>	<b>1.0800e-003</b>	<b>0.1092</b>	<b>0.0289</b>	<b>1.0200e-003</b>	<b>0.0299</b>		<b>123.1280</b>	<b>123.1280</b>	<b>4.8700e-003</b>		<b>123.2495</b>

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

**3.40 Distribution Feeder Conduit - 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	lb/day										lb/day					
Off-Road	0.5552	4.2860	3.7224	0.0137		0.1606	0.1606		0.1478	0.1478		1,327.9366	1,327.9366	0.4295		1,338.6737
<b>Total</b>	<b>0.5552</b>	<b>4.2860</b>	<b>3.7224</b>	<b>0.0137</b>		<b>0.1606</b>	<b>0.1606</b>		<b>0.1478</b>	<b>0.1478</b>		<b>1,327.9366</b>	<b>1,327.9366</b>	<b>0.4295</b>		<b>1,338.6737</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.7600e-003	0.2677	0.0819	5.8000e-004	0.0139	7.4000e-004	0.0147	4.0100e-003	7.1000e-004	4.7200e-003		61.6603	61.6603	3.8200e-003		61.7558
Worker	0.0685	0.0521	0.4581	1.3200e-003	0.1582	9.5000e-004	0.1591	0.0420	8.8000e-004	0.0428		131.2338	131.2338	3.7000e-003		131.3264
<b>Total</b>	<b>0.0772</b>	<b>0.3198</b>	<b>0.5400</b>	<b>1.9000e-003</b>	<b>0.1721</b>	<b>1.6900e-003</b>	<b>0.1738</b>	<b>0.0460</b>	<b>1.5900e-003</b>	<b>0.0476</b>		<b>192.8941</b>	<b>192.8941</b>	<b>7.5200e-003</b>		<b>193.0822</b>

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

**3.40 Distribution Feeder Conduit - 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	lb/day										lb/day					
Off-Road	0.5552	4.2860	3.7224	0.0137		0.1606	0.1606		0.1478	0.1478	0.0000	1,327.9366	1,327.9366	0.4295		1,338.6737
<b>Total</b>	<b>0.5552</b>	<b>4.2860</b>	<b>3.7224</b>	<b>0.0137</b>		<b>0.1606</b>	<b>0.1606</b>		<b>0.1478</b>	<b>0.1478</b>	<b>0.0000</b>	<b>1,327.9366</b>	<b>1,327.9366</b>	<b>0.4295</b>		<b>1,338.6737</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.7600e-003	0.2677	0.0819	5.8000e-004	0.0139	7.4000e-004	0.0147	4.0100e-003	7.1000e-004	4.7200e-003		61.6603	61.6603	3.8200e-003		61.7558
Worker	0.0685	0.0521	0.4581	1.3200e-003	0.1582	9.5000e-004	0.1591	0.0420	8.8000e-004	0.0428		131.2338	131.2338	3.7000e-003		131.3264
<b>Total</b>	<b>0.0772</b>	<b>0.3198</b>	<b>0.5400</b>	<b>1.9000e-003</b>	<b>0.1721</b>	<b>1.6900e-003</b>	<b>0.1738</b>	<b>0.0460</b>	<b>1.5900e-003</b>	<b>0.0476</b>		<b>192.8941</b>	<b>192.8941</b>	<b>7.5200e-003</b>		<b>193.0822</b>

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

**3.41 Distribution Cable Install - 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	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0829</b>	<b>0.0829</b>		<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.7600e-003	0.2677	0.0819	5.8000e-004	0.0139	7.4000e-004	0.0147	4.0100e-003	7.1000e-004	4.7200e-003		61.6603	61.6603	3.8200e-003		61.7558
Worker	0.0428	0.0326	0.2863	8.2000e-004	0.0989	5.9000e-004	0.0995	0.0262	5.5000e-004	0.0268		82.0212	82.0212	2.3200e-003		82.0790
<b>Total</b>	<b>0.0515</b>	<b>0.3003</b>	<b>0.3682</b>	<b>1.4000e-003</b>	<b>0.1128</b>	<b>1.3300e-003</b>	<b>0.1141</b>	<b>0.0302</b>	<b>1.2600e-003</b>	<b>0.0315</b>		<b>143.6814</b>	<b>143.6814</b>	<b>6.1400e-003</b>		<b>143.8348</b>



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

**3.41 Distribution Cable Install - 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	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
<b>Total</b>	<b>0.1647</b>	<b>1.6756</b>	<b>2.2379</b>	<b>3.1100e-003</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0829</b>	<b>0.0829</b>	<b>0.0000</b>	<b>301.2390</b>	<b>301.2390</b>	<b>0.0974</b>		<b>303.6746</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.7600e-003	0.2677	0.0819	5.8000e-004	0.0139	7.4000e-004	0.0147	4.0100e-003	7.1000e-004	4.7200e-003		61.6603	61.6603	3.8200e-003		61.7558
Worker	0.0428	0.0326	0.2863	8.2000e-004	0.0989	5.9000e-004	0.0995	0.0262	5.5000e-004	0.0268		82.0212	82.0212	2.3200e-003		82.0790
<b>Total</b>	<b>0.0515</b>	<b>0.3003</b>	<b>0.3682</b>	<b>1.4000e-003</b>	<b>0.1128</b>	<b>1.3300e-003</b>	<b>0.1141</b>	<b>0.0302</b>	<b>1.2600e-003</b>	<b>0.0315</b>		<b>143.6814</b>	<b>143.6814</b>	<b>6.1400e-003</b>		<b>143.8348</b>

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

**3.42 Distribution Testing - 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	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.9200e-003	0.0892	0.0273	1.9000e-004	4.6400e-003	2.5000e-004	4.8900e-003	1.3400e-003	2.4000e-004	1.5700e-003		20.5534	20.5534	1.2700e-003		20.5853
Worker	0.0257	0.0195	0.1718	4.9000e-004	0.0593	3.6000e-004	0.0597	0.0157	3.3000e-004	0.0161		49.2127	49.2127	1.3900e-003		49.2474
<b>Total</b>	<b>0.0286</b>	<b>0.1088</b>	<b>0.1991</b>	<b>6.8000e-004</b>	<b>0.0640</b>	<b>6.1000e-004</b>	<b>0.0646</b>	<b>0.0171</b>	<b>5.7000e-004</b>	<b>0.0176</b>		<b>69.7661</b>	<b>69.7661</b>	<b>2.6600e-003</b>		<b>69.8327</b>

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

**3.42 Distribution Testing - 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	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.9200e-003	0.0892	0.0273	1.9000e-004	4.6400e-003	2.5000e-004	4.8900e-003	1.3400e-003	2.4000e-004	1.5700e-003		20.5534	20.5534	1.2700e-003		20.5853
Worker	0.0257	0.0195	0.1718	4.9000e-004	0.0593	3.6000e-004	0.0597	0.0157	3.3000e-004	0.0161		49.2127	49.2127	1.3900e-003		49.2474
<b>Total</b>	<b>0.0286</b>	<b>0.1088</b>	<b>0.1991</b>	<b>6.8000e-004</b>	<b>0.0640</b>	<b>6.1000e-004</b>	<b>0.0646</b>	<b>0.0171</b>	<b>5.7000e-004</b>	<b>0.0176</b>		<b>69.7661</b>	<b>69.7661</b>	<b>2.6600e-003</b>		<b>69.8327</b>

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

**3.43 Distribution Cleanup Restore - 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	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.0824	0.8378	1.1190	1.5600e-003		0.0451	0.0451		0.0415	0.0415		150.6195	150.6195	0.0487		151.8373
<b>Total</b>	<b>0.0824</b>	<b>0.8378</b>	<b>1.1190</b>	<b>1.5600e-003</b>	<b>0.5303</b>	<b>0.0451</b>	<b>0.5753</b>	<b>0.0573</b>	<b>0.0415</b>	<b>0.0987</b>		<b>150.6195</b>	<b>150.6195</b>	<b>0.0487</b>		<b>151.8373</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0175	0.5354	0.1638	1.1600e-003	0.0279	1.4800e-003	0.0294	8.0300e-003	1.4200e-003	9.4500e-003		123.3206	123.3206	7.6400e-003		123.5116
Worker	0.0257	0.0195	0.1718	4.9000e-004	0.0593	3.6000e-004	0.0597	0.0157	3.3000e-004	0.0161		49.2127	49.2127	1.3900e-003		49.2474
<b>Total</b>	<b>0.0432</b>	<b>0.5549</b>	<b>0.3356</b>	<b>1.6500e-003</b>	<b>0.0872</b>	<b>1.8400e-003</b>	<b>0.0890</b>	<b>0.0238</b>	<b>1.7500e-003</b>	<b>0.0255</b>		<b>172.5333</b>	<b>172.5333</b>	<b>9.0300e-003</b>		<b>172.7590</b>

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

**3.43 Distribution Cleanup Restore - 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	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.0824	0.8378	1.1190	1.5600e-003		0.0451	0.0451		0.0415	0.0415	0.0000	150.6195	150.6195	0.0487		151.8373
<b>Total</b>	<b>0.0824</b>	<b>0.8378</b>	<b>1.1190</b>	<b>1.5600e-003</b>	<b>0.2386</b>	<b>0.0451</b>	<b>0.2837</b>	<b>0.0258</b>	<b>0.0415</b>	<b>0.0672</b>	<b>0.0000</b>	<b>150.6195</b>	<b>150.6195</b>	<b>0.0487</b>		<b>151.8373</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0175	0.5354	0.1638	1.1600e-003	0.0279	1.4800e-003	0.0294	8.0300e-003	1.4200e-003	9.4500e-003		123.3206	123.3206	7.6400e-003		123.5116
Worker	0.0257	0.0195	0.1718	4.9000e-004	0.0593	3.6000e-004	0.0597	0.0157	3.3000e-004	0.0161		49.2127	49.2127	1.3900e-003		49.2474
<b>Total</b>	<b>0.0432</b>	<b>0.5549</b>	<b>0.3356</b>	<b>1.6500e-003</b>	<b>0.0872</b>	<b>1.8400e-003</b>	<b>0.0890</b>	<b>0.0238</b>	<b>1.7500e-003</b>	<b>0.0255</b>		<b>172.5333</b>	<b>172.5333</b>	<b>9.0300e-003</b>		<b>172.7590</b>

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

**3.44 70kV Power Line Conductor Install - 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	lb/day										lb/day					
Off-Road	2.6031	23.3806	16.8305	0.0537		0.9761	0.9761		0.8980	0.8980		5,202.1167	5,202.1167	1.6825		5,244.1784
<b>Total</b>	<b>2.6031</b>	<b>23.3806</b>	<b>16.8305</b>	<b>0.0537</b>		<b>0.9761</b>	<b>0.9761</b>		<b>0.8980</b>	<b>0.8980</b>		<b>5,202.1167</b>	<b>5,202.1167</b>	<b>1.6825</b>		<b>5,244.1784</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0292	0.8923	0.2730	1.9300e-003	0.0464	2.4700e-003	0.0489	0.0134	2.3700e-003	0.0157		205.5343	205.5343	0.0127		205.8526
Worker	0.1540	0.1172	1.0307	2.9600e-003	0.3559	2.1400e-003	0.3580	0.0944	1.9700e-003	0.0964		295.2761	295.2761	8.3300e-003		295.4845
<b>Total</b>	<b>0.1832</b>	<b>1.0095</b>	<b>1.3037</b>	<b>4.8900e-003</b>	<b>0.4023</b>	<b>4.6100e-003</b>	<b>0.4070</b>	<b>0.1078</b>	<b>4.3400e-003</b>	<b>0.1121</b>		<b>500.8104</b>	<b>500.8104</b>	<b>0.0211</b>		<b>501.3371</b>

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

**3.44 70kV Power Line Conductor Install - 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	lb/day										lb/day					
Off-Road	2.6031	23.3806	16.8305	0.0537		0.9761	0.9761		0.8980	0.8980	0.0000	5,202.1167	5,202.1167	1.6825		5,244.1784
<b>Total</b>	<b>2.6031</b>	<b>23.3806</b>	<b>16.8305</b>	<b>0.0537</b>		<b>0.9761</b>	<b>0.9761</b>		<b>0.8980</b>	<b>0.8980</b>	<b>0.0000</b>	<b>5,202.1167</b>	<b>5,202.1167</b>	<b>1.6825</b>		<b>5,244.1784</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0292	0.8923	0.2730	1.9300e-003	0.0464	2.4700e-003	0.0489	0.0134	2.3700e-003	0.0157		205.5343	205.5343	0.0127		205.8526
Worker	0.1540	0.1172	1.0307	2.9600e-003	0.3559	2.1400e-003	0.3580	0.0944	1.9700e-003	0.0964		295.2761	295.2761	8.3300e-003		295.4845
<b>Total</b>	<b>0.1832</b>	<b>1.0095</b>	<b>1.3037</b>	<b>4.8900e-003</b>	<b>0.4023</b>	<b>4.6100e-003</b>	<b>0.4070</b>	<b>0.1078</b>	<b>4.3400e-003</b>	<b>0.1121</b>		<b>500.8104</b>	<b>500.8104</b>	<b>0.0211</b>		<b>501.3371</b>

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

**3.45 70kV Power Line Cleanup Restore - 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	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.3936	4.7810	2.4103	6.5200e-003		0.1705	0.1705		0.1568	0.1568		631.5787	631.5787	0.2043		636.6853
<b>Total</b>	<b>0.3936</b>	<b>4.7810</b>	<b>2.4103</b>	<b>6.5200e-003</b>	<b>0.5303</b>	<b>0.1705</b>	<b>0.7007</b>	<b>0.0573</b>	<b>0.1568</b>	<b>0.2141</b>		<b>631.5787</b>	<b>631.5787</b>	<b>0.2043</b>		<b>636.6853</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0204	0.6246	0.1911	1.3500e-003	0.0325	1.7300e-003	0.0342	9.3600e-003	1.6600e-003	0.0110		143.8740	143.8740	8.9100e-003		144.0968
Worker	0.0513	0.0391	0.3436	9.9000e-004	0.1186	7.1000e-004	0.1194	0.0315	6.6000e-004	0.0321		98.4254	98.4254	2.7800e-003		98.4948
<b>Total</b>	<b>0.0718</b>	<b>0.6637</b>	<b>0.5347</b>	<b>2.3400e-003</b>	<b>0.1511</b>	<b>2.4400e-003</b>	<b>0.1536</b>	<b>0.0408</b>	<b>2.3200e-003</b>	<b>0.0431</b>		<b>242.2994</b>	<b>242.2994</b>	<b>0.0117</b>		<b>242.5917</b>



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

**3.45 70kV Power Line Cleanup Restore - 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	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.3936	4.7810	2.4103	6.5200e-003		0.1705	0.1705		0.1568	0.1568	0.0000	631.5787	631.5787	0.2043		636.6853
<b>Total</b>	<b>0.3936</b>	<b>4.7810</b>	<b>2.4103</b>	<b>6.5200e-003</b>	<b>0.2386</b>	<b>0.1705</b>	<b>0.4091</b>	<b>0.0258</b>	<b>0.1568</b>	<b>0.1826</b>	<b>0.0000</b>	<b>631.5787</b>	<b>631.5787</b>	<b>0.2043</b>		<b>636.6853</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0204	0.6246	0.1911	1.3500e-003	0.0325	1.7300e-003	0.0342	9.3600e-003	1.6600e-003	0.0110		143.8740	143.8740	8.9100e-003		144.0968
Worker	0.0513	0.0391	0.3436	9.9000e-004	0.1186	7.1000e-004	0.1194	0.0315	6.6000e-004	0.0321		98.4254	98.4254	2.7800e-003		98.4948
<b>Total</b>	<b>0.0718</b>	<b>0.6637</b>	<b>0.5347</b>	<b>2.3400e-003</b>	<b>0.1511</b>	<b>2.4400e-003</b>	<b>0.1536</b>	<b>0.0408</b>	<b>2.3200e-003</b>	<b>0.0431</b>		<b>242.2994</b>	<b>242.2994</b>	<b>0.0117</b>		<b>242.5917</b>

**4.0 Operational Detail - Mobile**

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

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

**Mitigated**

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

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	111.3014	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	111.3014	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	111.3014					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
<b>Total</b>	<b>111.3014</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>		<b>2.3000e-004</b>

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

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	111.3014					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
<b>Total</b>	<b>111.3014</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>		<b>2.3000e-004</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**CalEEMod Output Files for Proposed Project (with Mitigation)**



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

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

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	119.40	5,201,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.2	<b>Precipitation Freq (Days)</b>	44
<b>Climate Zone</b>	3			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	641.35	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Current Temp. Disturbance Area Total from Project Description

Construction Phase - Dates entered based on the specific number of days from the PEA CALEEMOD input file, with consideration of the specific months during which construction is likely to occur as indicated in the Project Description of the EIR.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

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Off-road Equipment - Values based on PEA and Project Description.  
Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description. Helicopter emissions modeled separately and not included here.

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values Based on PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

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Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description.

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Description

Off-road Equipment - Values from PEA and Project Distribution

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description. Helicopter emissions modeled outside of CalEEMod and not included here.

Off-road Equipment - Values based on PEA and Project Description. Helicopter emissions calculated separately and not included here.

Off-road Equipment - Based on values in PEA and Project Description

Trips and VMT - Values based on PEA and Project Description

Grading - Waiting on temp. disturbance area and material import/export values for some phases

Area Coating - No Architectural Coating

Water And Wastewater - No Water Use

Construction Off-road Equipment Mitigation - Change to assume all equipment Tier 4 final.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	2600500	0
tblAreaCoating	Area_Nonresidential_Interior	7801500	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	21.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	46.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	24.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	36.00

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tblConstructionPhase	NumDays	3,100.00	120.00
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tblConstructionPhase	NumDays	3,100.00	24.00
tblConstructionPhase	NumDays	3,100.00	24.00
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tblConstructionPhase	NumDays	3,100.00	18.00
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tblConstructionPhase	NumDays	3,100.00	24.00
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tblConstructionPhase	NumDays	3,100.00	48.00
tblConstructionPhase	NumDays	3,100.00	12.00
tblConstructionPhase	NumDays	3,100.00	144.00
tblConstructionPhase	NumDays	3,100.00	48.00





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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
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.59	0.00
tblFleetMix	LDT1	0.03	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.7480e-003	0.00
tblFleetMix	MCY	4.7760e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	1.1920e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.3160e-003	0.00
tblFleetMix	SBUS	7.5800e-004	0.00
tblFleetMix	UBUS	1.1630e-003	0.00
tblGrading	AcresOfGrading	9.00	12.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	AcresOfGrading	0.00	9.00
tblGrading	AcresOfGrading	9.00	12.00
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tblGrading	AcresOfGrading	4.50	6.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	AcresOfGrading	27.00	0.50
tblGrading	AcresOfGrading	0.00	6.00









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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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**2.0 Emissions Summary**





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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	3.3863	0.8455
2	4-1-2021	6-30-2021	3.7899	0.7971
3	7-1-2021	9-30-2021	1.0755	0.2034
4	10-1-2021	12-31-2021	1.0668	0.2054
5	1-1-2022	3-31-2022	1.0047	0.2511
6	4-1-2022	6-30-2022	0.8678	0.1651
		Highest	3.7899	0.8455

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	20.3125	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
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
<b>Total</b>	<b>20.3125</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

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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	20.3125	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
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
<b>Total</b>	<b>20.3125</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Reconductoring Site Prep	Site Preparation	1/1/2021	1/28/2021	6	24	Reconductor Site Prep
2	230kv Sub Access Road	Grading	1/1/2021	1/14/2021	6	12	230 Sub Access Road

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3	230kV Transmission Site Work Prep	Site Preparation	1/5/2021	2/1/2021	6	24	230 TRANS Site Work Prep
4	230kV Sub Site Work Area	Site Preparation	1/15/2021	2/4/2021	6	18	230 Sub Site Work Area
5	70kV Substation Site Work Area Prep Mobil	Site Preparation	1/25/2021	2/6/2021	6	12	70 Sub Site Work Area
6	230kV Sub Fence Gate Install	Building Construction	2/1/2021	2/13/2021	6	12	230 Sub Fence Gate
7	Reconductoring Pole Install	Building Construction	2/1/2021	7/17/2021	6	144	Reconductor Pole Install
8	230kV Transmission Foundation Tower	Building Construction	2/2/2021	3/29/2021	6	48	230 TRANS Foundation Tower
9	70kV Substation Foundation Construction	Building Construction	2/5/2021	3/4/2021	6	24	70 Sub Foundation Construction
10	70kV Substation Ground Grid	Building Construction	2/5/2021	3/4/2021	6	24	70 Sub Ground Grid
11	230kV Sub Foundation Construction	Building Construction	2/8/2021	3/20/2021	6	36	230 Sub Foundation
12	Reconductoring Conductor Install	Building Construction	3/1/2021	7/17/2021	6	120	Reconductor Conductor Install
13	70kV Sub Steel Bus Erection	Building Construction	3/5/2021	4/1/2021	6	24	70 Sub Steel Bus
14	230kV Sub Ground Grid	Building Construction	3/10/2021	4/6/2021	6	24	230 Sub Ground Grid
15	230kV Transmission Conductor	Building Construction	4/1/2021	4/28/2021	6	24	230 TRANS Conductor
16	70 kV Substation Equip Delivery	Building Construction	4/1/2021	4/21/2021	6	18	70 Sub Equip Delivery
17	70kV Substation Control Enclosure	Building Construction	4/1/2021	4/7/2021	6	6	70 Sub Control Enclosure
18	230kV Sub Steel Bus	Building Construction	4/2/2021	4/29/2021	6	24	230 Sub Steel Bus
19	230kV Sub Install Yard Rock	Building Construction	4/16/2021	5/6/2021	6	18	230 Sub Install Yard Rock
20	70kV Substation Cable Installation	Building Construction	4/22/2021	5/12/2021	6	18	70 Sub Cable Install
21	230kV Sub Transformer	Building Construction	4/23/2021	5/27/2021	6	30	230 Sub Transformer
22	230kV Transmission Cleanup Restore	Site Preparation	5/1/2021	5/7/2021	6	6	230 TRANS Cleanup Restore
23	230kV Sub Control Enclosure Delivery	Building Construction	5/1/2021	5/14/2021	6	12	230 Sub Control Enclosure
24	70kV Substation Install Yard Rock	Building Construction	5/1/2021	5/14/2021	6	12	70 Sub Install Yard Rock
25	230kV Sub Remaining Equipment Delivery	Building Construction	5/8/2021	6/4/2021	6	24	230 Sub Remaining Equipment
26	70kV Substation Cleanup Restore	Site Preparation	5/15/2021	5/28/2021	6	12	70 Sub Cleanup Restore
27	230kV Sub Cable Install Termination	Building Construction	5/22/2021	6/4/2021	6	12	230 Sub Cable Install Term

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28	70kV Substation Testing Commissioning	Site Preparation	6/1/2021	6/21/2021	6	18	70 Sub Testing Commissioning
29	230kV Sub Testing and Commissioning	Building Construction	6/1/2021	7/5/2021	6	30	230 Sub Testing
30	230kV Substation Cleanup Restore	Site Preparation	7/1/2021	7/21/2021	6	18	230 Sub Cleanup Restore
31	70kV Power Line Site Work Prep	Site Preparation	8/1/2021	8/28/2021	6	24	70 POWER Site Work Prep
32	Reconductoring Cleanup Restore	Site Preparation	8/1/2021	8/14/2021	6	12	Reconductor Cleanup Restore
33	70kV Power Line Pole Tower Install	Building Construction	9/1/2021	4/16/2022	6	196	70 POWER Pole Tower Install
34	Distribution Facilities Mobilization	Site Preparation	1/1/2022	1/14/2022	6	12	Distribution Facilities Mobilization
35	Distribution Foundation Construction	Building Construction	1/6/2022	2/2/2022	6	24	Distribution Foundation Construct
36	Distribution Ground Grid	Building Construction	1/20/2022	2/16/2022	6	24	Distribution Ground Grid
37	Distribution Steel Bus Erection	Building Construction	2/9/2022	3/8/2022	6	24	Distribution Steel Bus Erection
38	Distribution Bank Breaker	Building Construction	2/16/2022	3/8/2022	6	18	Distribution Bank Breaker
39	Distribution Feeder Conduit	Building Construction	2/23/2022	4/5/2022	6	36	Distribution Feeder Conduit
40	Distribution Cable Install	Building Construction	3/15/2022	4/11/2022	6	24	Distribution Cable Install
41	Distribution Testing	Building Construction	4/1/2022	4/28/2022	6	24	Distribution Testing
42	Distribution Cleanup Restore	Site Preparation	4/29/2022	5/12/2022	6	12	Distribution Cleanup Restore
43	70kV Power Line Conductor Install	Building Construction	5/1/2022	6/25/2022	6	48	70 POWER Conductor Install
44	70kV Power Line Cleanup Restore	Site Preparation	6/17/2022	6/30/2022	6	12	70 POWER Cleanup Restore

**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**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Reconductoring Site Prep	Graders	1	6.00	187	0.41
Reconductoring Site Prep	Rubber Tired Dozers	0	8.00	247	0.40
Reconductoring Site Prep	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kv Sub Access Road	Concrete/Industrial Saws	0	8.00	81	0.73
230kv Sub Access Road	Excavators	0	8.00	158	0.38
230kv Sub Access Road	Graders	0	8.00	187	0.41
230kv Sub Access Road	Rubber Tired Dozers	0	1.00	247	0.40
230kv Sub Access Road	Scrapers	0	8.00	367	0.48
230kv Sub Access Road	Tractors/Loaders/Backhoes	2	8.00	97	0.37
230kV Transmission Site Work Prep	Graders	1	6.00	187	0.41
230kV Transmission Site Work Prep	Off-Highway Trucks	0	10.00	402	0.38
230kV Transmission Site Work Prep	Rollers	0	8.00	80	0.38
230kV Transmission Site Work Prep	Rubber Tired Dozers	0	8.00	247	0.40
230kV Transmission Site Work Prep	Scrapers	0	8.00	367	0.48
230kV Transmission Site Work Prep	Tractors/Loaders/Backhoes	1	6.00	97	0.37
230kV Sub Site Work Area	Graders	1	8.00	187	0.41
230kV Sub Site Work Area	Graders	0	8.00	187	0.41
230kV Sub Site Work Area	Off-Highway Trucks	4	10.00	402	0.38
230kV Sub Site Work Area	Rollers	2	8.00	80	0.38
230kV Sub Site Work Area	Rubber Tired Dozers	1	8.00	247	0.40
230kV Sub Site Work Area	Scrapers	1	8.00	367	0.48
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	1	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Site Work Area	Tractors/Loaders/Backhoes	0	8.00	97	0.37

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70kV Substation Site Work Area Prep Mobil	Graders	1	4.00	187	0.41
70kV Substation Site Work Area Prep Mobil	Rubber Tired Dozers	0	8.00	247	0.40
70kV Substation Site Work Area Prep Mobil	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kV Sub Fence Gate Install	Cranes	0	4.00	231	0.29
230kV Sub Fence Gate Install	Forklifts	0	6.00	89	0.20
230kV Sub Fence Gate Install	Generator Sets	0	8.00	84	0.74
230kV Sub Fence Gate Install	Rubber Tired Dozers	0	1.00	247	0.40
230kV Sub Fence Gate Install	Skid Steer Loaders	1	4.00	65	0.37
230kV Sub Fence Gate Install	Tractors/Loaders/Backhoes	0	6.00	97	0.37
230kV Sub Fence Gate Install	Welders	0	8.00	46	0.45
Reconductoring Pole Install	Bore/Drill Rigs	1	6.00	221	0.50
Reconductoring Pole Install	Cranes	3	6.00	231	0.29
Reconductoring Pole Install	Cranes	1	1.00	231	0.29
Reconductoring Pole Install	Forklifts	0	8.00	89	0.20
Reconductoring Pole Install	Generator Sets	0	8.00	84	0.74
Reconductoring Pole Install	Off-Highway Trucks	2	3.00	402	0.38
Reconductoring Pole Install	Off-Highway Trucks	2	2.00	402	0.38
Reconductoring Pole Install	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Reconductoring Pole Install	Welders	0	8.00	46	0.45
230kV Transmission Foundation Tower	Bore/Drill Rigs	1	1.00	221	0.50
230kV Transmission Foundation Tower	Cranes	3	5.30	231	0.29
230kV Transmission Foundation Tower	Forklifts	3	2.60	89	0.20
230kV Transmission Foundation Tower	Generator Sets	0	8.00	84	0.74
230kV Transmission Foundation Tower	Off-Highway Trucks	2	3.50	402	0.38
230kV Transmission Foundation Tower	Off-Highway Trucks	2	2.60	402	0.38
230kV Transmission Foundation Tower	Tractors/Loaders/Backhoes	1	0.50	97	0.37

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230kV Transmission Foundation Tower	Welders	0	8.00	46	0.45
70kV Substation Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
70kV Substation Foundation Construction	Cranes	0	7.00	231	0.29
70kV Substation Foundation Construction	Forklifts	0	8.00	89	0.20
70kV Substation Foundation Construction	Generator Sets	0	8.00	84	0.74
70kV Substation Foundation Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
70kV Substation Foundation Construction	Trenchers	1	8.00	78	0.50
70kV Substation Foundation Construction	Welders	0	8.00	46	0.45
70kV Substation Ground Grid	Cranes	0	4.00	231	0.29
70kV Substation Ground Grid	Forklifts	0	8.00	89	0.20
70kV Substation Ground Grid	Generator Sets	0	8.00	84	0.74
70kV Substation Ground Grid	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70kV Substation Ground Grid	Trenchers	1	6.00	78	0.50
70kV Substation Ground Grid	Welders	0	8.00	46	0.45
230kV Sub Foundation Construction	Bore/Drill Rigs	1	8.00	221	0.50
230kV Sub Foundation Construction	Cranes	1	5.00	231	0.29
230kV Sub Foundation Construction	Forklifts	0	6.00	89	0.20
230kV Sub Foundation Construction	Forklifts	0	6.00	89	0.20
230kV Sub Foundation Construction	Generator Sets	0	8.00	84	0.74
230kV Sub Foundation Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Foundation Construction	Tractors/Loaders/Backhoes	1	5.00	97	0.37
230kV Sub Foundation Construction	Welders	0	8.00	46	0.45
Reconductoring Conductor Install	Cranes	2	8.00	231	0.29
Reconductoring Conductor Install	Forklifts	1	3.00	89	0.20
Reconductoring Conductor Install	Generator Sets	0	8.00	84	0.74

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Reconductoring Conductor Install	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	2	4.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	1	6.00	402	0.38
Reconductoring Conductor Install	Other General Industrial Equipment	2	6.00	88	0.34
Reconductoring Conductor Install	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Reconductoring Conductor Install	Welders	0	8.00	46	0.45
70kV Sub Steel Bus Erection	Aerial Lifts	2	8.00	63	0.31
70kV Sub Steel Bus Erection	Cranes	0	7.00	231	0.29
70kV Sub Steel Bus Erection	Forklifts	0	8.00	89	0.20
70kV Sub Steel Bus Erection	Generator Sets	0	8.00	84	0.74
70kV Sub Steel Bus Erection	Off-Highway Trucks	2	6.00	402	0.38
70kV Sub Steel Bus Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Sub Steel Bus Erection	Welders	0	8.00	46	0.45
230kV Sub Ground Grid	Cranes	0	7.00	231	0.29
230kV Sub Ground Grid	Forklifts	0	6.00	89	0.20
230kV Sub Ground Grid	Generator Sets	0	8.00	84	0.74
230kV Sub Ground Grid	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Ground Grid	Trenchers	1	8.00	78	0.50
230kV Sub Ground Grid	Welders	0	8.00	46	0.45
230kV Transmission Conductor	Cranes	3	6.00	231	0.29
230kV Transmission Conductor	Forklifts	0	8.00	89	0.20
230kV Transmission Conductor	Generator Sets	0	8.00	84	0.74
230kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
230kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
230kV Transmission Conductor	Tractors/Loaders/Backhoes	0	7.00	97	0.37
230kV Transmission Conductor	Welders	0	8.00	46	0.45



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70 kV Substation Equip Delivery	Aerial Lifts	2	4.00	63	0.31
70 kV Substation Equip Delivery	Cranes	0	7.00	231	0.29
70 kV Substation Equip Delivery	Forklifts	0	8.00	89	0.20
70 kV Substation Equip Delivery	Generator Sets	0	8.00	84	0.74
70 kV Substation Equip Delivery	Off-Highway Trucks	1	5.30	402	0.38
70 kV Substation Equip Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70 kV Substation Equip Delivery	Welders	0	8.00	46	0.45
70kV Substation Control Enclosure	Cranes	0	4.00	231	0.29
70kV Substation Control Enclosure	Forklifts	0	6.00	89	0.20
70kV Substation Control Enclosure	Generator Sets	0	8.00	84	0.74
70kV Substation Control Enclosure	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Control Enclosure	Welders	0	8.00	46	0.45
230kV Sub Steel Bus	Aerial Lifts	1	6.00	63	0.31
230kV Sub Steel Bus	Cranes	0	7.00	231	0.29
230kV Sub Steel Bus	Forklifts	0	8.00	89	0.20
230kV Sub Steel Bus	Generator Sets	0	8.00	84	0.74
230kV Sub Steel Bus	Off-Highway Trucks	1	8.00	402	0.38
230kV Sub Steel Bus	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Steel Bus	Welders	0	8.00	46	0.45
230kV Sub Install Yard Rock	Cranes	0	4.00	231	0.29
230kV Sub Install Yard Rock	Cranes	0	4.00	231	0.29
230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Generator Sets	0	8.00	84	0.74
230kV Sub Install Yard Rock	Skid Steer Loaders	1	10.00	65	0.37
230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37

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230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Install Yard Rock	Welders	0	8.00	46	0.45
70kV Substation Cable Installation	Cranes	0	4.00	231	0.29
70kV Substation Cable Installation	Forklifts	0	6.00	89	0.20
70kV Substation Cable Installation	Generator Sets	0	8.00	84	0.74
70kV Substation Cable Installation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Cable Installation	Welders	0	8.00	46	0.45
230kV Sub Transformer	Cranes	1	6.00	231	0.29
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Generator Sets	1	5.00	84	0.74
230kV Sub Transformer	Off-Highway Trucks	2	10.00	402	0.38
230kV Sub Transformer	Off-Highway Trucks	1	4.80	402	0.38
230kV Sub Transformer	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Welders	0	8.00	46	0.45
230kV Transmission Cleanup Restore	Graders	1	8.00	187	0.41
230kV Transmission Cleanup Restore	Rubber Tired Dozers	0	8.00	247	0.40
230kV Transmission Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kV Sub Control Enclosure Delivery	Cranes	1	6.00	231	0.29
230kV Sub Control Enclosure Delivery	Forklifts	0	6.00	89	0.20

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230kV Sub Control Enclosure Delivery	Generator Sets	0	8.00	84	0.74
230kV Sub Control Enclosure Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Control Enclosure Delivery	Welders	0	8.00	46	0.45
70kV Substation Install Yard Rock	Cranes	0	7.00	231	0.29
70kV Substation Install Yard Rock	Forklifts	0	6.00	89	0.20
70kV Substation Install Yard Rock	Generator Sets	0	8.00	84	0.74
70kV Substation Install Yard Rock	Skid Steer Loaders	1	8.00	231	0.29
70kV Substation Install Yard Rock	Tractors/Loaders/Backhoes	1	8.00	97	0.37
70kV Substation Install Yard Rock	Welders	0	8.00	46	0.45
230kV Sub Remaining Equipment Delivery	Cranes	0	7.00	231	0.29
230kV Sub Remaining Equipment Delivery	Forklifts	0	6.00	89	0.20
230kV Sub Remaining Equipment Delivery	Generator Sets	0	8.00	84	0.74
230kV Sub Remaining Equipment Delivery	Off-Highway Trucks	1	6.00	402	0.38
230kV Sub Remaining Equipment Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Remaining Equipment Delivery	Welders	0	8.00	46	0.45
70kV Substation Cleanup Restore	Graders	0	8.00	187	0.41
70kV Substation Cleanup Restore	Rubber Tired Dozers	0	8.00	247	0.40
70kV Substation Cleanup Restore	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Cable Install Termination	Aerial Lifts	1	8.00	63	0.31
230kV Sub Cable Install Termination	Cranes	0	7.00	231	0.29
230kV Sub Cable Install Termination	Forklifts	0	6.00	89	0.20
230kV Sub Cable Install Termination	Generator Sets	0	8.00	84	0.74
230kV Sub Cable Install Termination	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Cable Install Termination	Welders	0	8.00	46	0.45
70kV Substation Testing Commissioning	Graders	0	8.00	187	0.41

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70kV Substation Testing Commissioning	Rubber Tired Dozers	0	8.00	247	0.40
70kV Substation Testing Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Cement and Mortar Mixers	0	6.00	9	0.56
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Generator Sets	0	8.00	84	0.74
230kV Sub Testing and Commissioning	Pavers	0	7.00	130	0.42
230kV Sub Testing and Commissioning	Rollers	0	7.00	80	0.38
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	7.00	97	0.37
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Welders	0	8.00	46	0.45
230kV Substation Cleanup Restore	Other General Industrial Equipment	1	6.00	88	0.34
230kV Substation Cleanup Restore	Rubber Tired Dozers	0	8.00	247	0.40
230kV Substation Cleanup Restore	Tractors/Loaders/Backhoes	1	6.00	97	0.37
70kV Power Line Site Work Prep	Graders	2	6.00	187	0.41
70kV Power Line Site Work Prep	Rubber Tired Dozers	0	8.00	247	0.40
70kV Power Line Site Work Prep	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Reconductoring Cleanup Restore	Graders	1	6.00	187	0.41
Reconductoring Cleanup Restore	Rubber Tired Dozers	0	8.00	247	0.40

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Reconductoring Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70kV Power Line Pole Tower Install	Cranes	1	4.00	231	0.29
70kV Power Line Pole Tower Install	Forklifts	0	8.00	89	0.20
70kV Power Line Pole Tower Install	Generator Sets	0	8.00	84	0.74
70kV Power Line Pole Tower Install	Off-Highway Trucks	7	4.00	402	0.38
70kV Power Line Pole Tower Install	Tractors/Loaders/Backhoes	2	4.00	97	0.37
70kV Power Line Pole Tower Install	Welders	0	8.00	46	0.45
Distribution Facilities Mobilization	Graders	0	8.00	187	0.41
Distribution Facilities Mobilization	Rubber Tired Dozers	0	8.00	247	0.40
Distribution Facilities Mobilization	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Distribution Foundation Construction	Cranes	0	4.00	231	0.29
Distribution Foundation Construction	Forklifts	0	6.00	89	0.20
Distribution Foundation Construction	Generator Sets	0	8.00	84	0.74
Distribution Foundation Construction	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Distribution Foundation Construction	Welders	0	8.00	46	0.45
Distribution Ground Grid	Cranes	1	1.50	231	0.29
Distribution Ground Grid	Forklifts	0	6.00	89	0.20
Distribution Ground Grid	Generator Sets	0	8.00	84	0.74
Distribution Ground Grid	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Ground Grid	Welders	0	8.00	46	0.45
Distribution Steel Bus Erection	Cranes	0	4.00	231	0.29
Distribution Steel Bus Erection	Forklifts	0	6.00	89	0.20
Distribution Steel Bus Erection	Generator Sets	0	8.00	84	0.74
Distribution Steel Bus Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Steel Bus Erection	Welders	0	8.00	46	0.45
Distribution Bank Breaker	Cranes	1	2.00	231	0.29
Distribution Bank Breaker	Forklifts	0	6.00	89	0.20

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Distribution Bank Breaker	Generator Sets	0	8.00	84	0.74
Distribution Bank Breaker	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Bank Breaker	Welders	0	8.00	46	0.45
Distribution Feeder Conduit	Cranes	0	7.00	231	0.29
Distribution Feeder Conduit	Forklifts	0	6.00	89	0.20
Distribution Feeder Conduit	Generator Sets	0	8.00	84	0.74
Distribution Feeder Conduit	Off-Highway Trucks	2	4.00	402	0.38
Distribution Feeder Conduit	Tractors/Loaders/Backhoes	1	1.30	97	0.37
Distribution Feeder Conduit	Welders	0	8.00	46	0.45
Distribution Cable Install	Cranes	0	4.00	231	0.29
Distribution Cable Install	Forklifts	0	6.00	89	0.20
Distribution Cable Install	Generator Sets	0	8.00	84	0.74
Distribution Cable Install	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Distribution Cable Install	Welders	0	8.00	46	0.45
Distribution Testing	Cranes	0	4.00	231	0.29
Distribution Testing	Forklifts	0	6.00	89	0.20
Distribution Testing	Generator Sets	0	8.00	84	0.74
Distribution Testing	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Distribution Testing	Welders	0	8.00	46	0.45
Distribution Cleanup Restore	Graders	0	8.00	187	0.41
Distribution Cleanup Restore	Rubber Tired Dozers	0	8.00	247	0.40
Distribution Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37
70kV Power Line Conductor Install	Cranes	3	6.00	231	0.29
70kV Power Line Conductor Install	Forklifts	1	3.00	89	0.20
70kV Power Line Conductor Install	Generator Sets	0	8.00	84	0.74
70kV Power Line Conductor Install	Off-Highway Trucks	3	4.00	402	0.38
70kV Power Line Conductor Install	Off-Highway Trucks	1	6.00	402	0.38

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70kV Power Line Conductor Install	Off-Highway Trucks	2	2.00	402	0.38
70kV Power Line Conductor Install	Other General Industrial Equipment	1	6.00	88	0.34
70kV Power Line Conductor Install	Other General Industrial Equipment	1	6.00	88	0.34
70kV Power Line Conductor Install	Tractors/Loaders/Backhoes	0	7.00	97	0.37
70kV Power Line Conductor Install	Welders	0	8.00	46	0.45
70kV Power Line Cleanup Restore	Graders	1	6.00	187	0.41
70kV Power Line Cleanup Restore	Rubber Tired Dozers	0	8.00	247	0.40
70kV Power Line Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Reconductoring Site Prep	2	12.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kv Sub Access Road	2	20.00	33.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Site Work Prep	2	16.00	11.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Site Work Area	10	20.00	11.00	756.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Site Work Area Prep Mobil	2	12.00	6.00	756.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Fence Gate Install	1	10.00	30.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Pole Install	9	40.00	13.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Foundation Tower	12	20.00	12.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Foundation Constructi	3	12.00	13.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Ground Grid	2	8.00	9.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Foundation Constructi	3	24.00	31.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Conductor Install	12	30.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Sub Steel Bus Erection	4	16.00	9.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Ground Grid	1	10.00	29.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Conductor	7	30.00	11.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

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70 kV Substation Equip Delivery	3	12.00	12.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Control Enclosure	0	10.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Steel Bus	2	10.00	30.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Install Yard Rack	1	16.00	45.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Cable Installation	0	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Transformer	6	16.00	30.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Cleanup Restore	2	10.00	9.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Control Enclosure Delivery	1	12.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Install Yard Rack	2	12.00	16.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Remaining Equipment Delivery	1	10.00	28.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Cleanup Restore	0	8.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Cable Install Termination	1	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Testing Commissioning	0	8.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Testing and Commissioning	0	10.00	26.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Substation Cleanup Restore	2	6.00	29.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Site Work Plan	3	12.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Cleanup Restore	2	12.00	5.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Pole Tower Install	10	42.00	15.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Facilities Mobilization	1	12.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Foundation Constructi	1	24.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Ground Grid	1	20.00	4.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Steel Bus Erection	0	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Bank Breaker	1	10.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Feeder Conduit	3	16.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Cable Install	1	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Testing	0	6.00	1.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Distribution Cleanup Restore	1	6.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT



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70kV Power Line Conductor Install	12	36.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Power Line Cleanup Restore	2	12.00	7.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

**3.2 Reconductoring Site Prep - 2021**

**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					6.3600e-003	0.0000	6.3600e-003	6.9000e-004	0.0000	6.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2000e-003	0.0647	0.0295	8.0000e-005		2.3600e-003	2.3600e-003		2.1700e-003	2.1700e-003	0.0000	6.8770	6.8770	2.2200e-003	0.0000	6.9326
<b>Total</b>	<b>5.2000e-003</b>	<b>0.0647</b>	<b>0.0295</b>	<b>8.0000e-005</b>	<b>6.3600e-003</b>	<b>2.3600e-003</b>	<b>8.7200e-003</b>	<b>6.9000e-004</b>	<b>2.1700e-003</b>	<b>2.8600e-003</b>	<b>0.0000</b>	<b>6.8770</b>	<b>6.8770</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>6.9326</b>

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**3.2 Reconductoring Site Prep - 2021**

**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	3.7000e-004	0.0114	3.3500e-003	2.0000e-005	5.5000e-004	3.0000e-005	5.8000e-004	1.6000e-004	3.0000e-005	1.9000e-004	0.0000	2.2948	2.2948	1.4000e-004	0.0000	2.2982
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>9.6000e-004</b>	<b>0.0119</b>	<b>7.8400e-003</b>	<b>3.0000e-005</b>	<b>1.9400e-003</b>	<b>4.0000e-005</b>	<b>1.9800e-003</b>	<b>5.3000e-004</b>	<b>4.0000e-005</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>3.4151</b>	<b>3.4151</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.4193</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8600e-003	0.0000	2.8600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	4.1500e-003	0.0408	8.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	6.8770	6.8770	2.2200e-003	0.0000	6.9326
<b>Total</b>	<b>9.6000e-004</b>	<b>4.1500e-003</b>	<b>0.0408</b>	<b>8.0000e-005</b>	<b>2.8600e-003</b>	<b>1.3000e-004</b>	<b>2.9900e-003</b>	<b>3.1000e-004</b>	<b>1.3000e-004</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>6.8770</b>	<b>6.8770</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>6.9326</b>

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**3.2 Reconductoring Site Prep - 2021**

**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	3.7000e-004	0.0114	3.3500e-003	2.0000e-005	5.5000e-004	3.0000e-005	5.8000e-004	1.6000e-004	3.0000e-005	1.9000e-004	0.0000	2.2948	2.2948	1.4000e-004	0.0000	2.2982
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>9.6000e-004</b>	<b>0.0119</b>	<b>7.8400e-003</b>	<b>3.0000e-005</b>	<b>1.9400e-003</b>	<b>4.0000e-005</b>	<b>1.9800e-003</b>	<b>5.3000e-004</b>	<b>4.0000e-005</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>3.4151</b>	<b>3.4151</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.4193</b>

**3.3 230kv Sub Access Road - 2021**

**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	2.2500e-003	0.0228	0.0271	4.0000e-005		1.3400e-003	1.3400e-003		1.2300e-003	1.2300e-003	0.0000	3.2757	3.2757	1.0600e-003	0.0000	3.3022
<b>Total</b>	<b>2.2500e-003</b>	<b>0.0228</b>	<b>0.0271</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.3400e-003</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>1.2300e-003</b>	<b>1.2300e-003</b>	<b>0.0000</b>	<b>3.2757</b>	<b>3.2757</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>3.3022</b>

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**3.3 230kv Sub Access Road - 2021**

**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	6.0000e-004	0.0189	5.5200e-003	4.0000e-005	9.0000e-004	5.0000e-005	9.5000e-004	2.6000e-004	5.0000e-005	3.1000e-004	0.0000	3.7865	3.7865	2.2000e-004	0.0000	3.7920
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.0900e-003</b>	<b>0.0193</b>	<b>9.2600e-003</b>	<b>5.0000e-005</b>	<b>2.0600e-003</b>	<b>6.0000e-005</b>	<b>2.1100e-003</b>	<b>5.7000e-004</b>	<b>6.0000e-005</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>4.7200</b>	<b>4.7200</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>4.7263</b>

**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	4.6000e-004	1.9700e-003	0.0281	4.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.2757	3.2757	1.0600e-003	0.0000	3.3021
<b>Total</b>	<b>4.6000e-004</b>	<b>1.9700e-003</b>	<b>0.0281</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>3.2757</b>	<b>3.2757</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>3.3021</b>

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**3.3 230kv Sub Access Road - 2021**

**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	6.0000e-004	0.0189	5.5200e-003	4.0000e-005	9.0000e-004	5.0000e-005	9.5000e-004	2.6000e-004	5.0000e-005	3.1000e-004	0.0000	3.7865	3.7865	2.2000e-004	0.0000	3.7920
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.0900e-003</b>	<b>0.0193</b>	<b>9.2600e-003</b>	<b>5.0000e-005</b>	<b>2.0600e-003</b>	<b>6.0000e-005</b>	<b>2.1100e-003</b>	<b>5.7000e-004</b>	<b>6.0000e-005</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>4.7200</b>	<b>4.7200</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>4.7263</b>

**3.4 230kV Transmission Site Work Prep - 2021**

**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					6.3600e-003	0.0000	6.3600e-003	6.9000e-004	0.0000	6.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7600e-003	0.0704	0.0363	9.0000e-005		2.7000e-003	2.7000e-003		2.4800e-003	2.4800e-003	0.0000	7.6959	7.6959	2.4900e-003	0.0000	7.7581
<b>Total</b>	<b>5.7600e-003</b>	<b>0.0704</b>	<b>0.0363</b>	<b>9.0000e-005</b>	<b>6.3600e-003</b>	<b>2.7000e-003</b>	<b>9.0600e-003</b>	<b>6.9000e-004</b>	<b>2.4800e-003</b>	<b>3.1700e-003</b>	<b>0.0000</b>	<b>7.6959</b>	<b>7.6959</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>7.7581</b>

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**3.4 230kV Transmission Site Work Prep - 2021**

**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	0.0126	3.6800e-003	3.0000e-005	6.0000e-004	4.0000e-005	6.4000e-004	1.7000e-004	3.0000e-005	2.1000e-004	0.0000	2.5243	2.5243	1.5000e-004	0.0000	2.5280
Worker	7.8000e-004	6.8000e-004	5.9900e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4937	1.4937	5.0000e-005	0.0000	1.4948
<b>Total</b>	<b>1.1800e-003</b>	<b>0.0132</b>	<b>9.6700e-003</b>	<b>5.0000e-005</b>	<b>2.4500e-003</b>	<b>5.0000e-005</b>	<b>2.5000e-003</b>	<b>6.6000e-004</b>	<b>4.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>4.0180</b>	<b>4.0180</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>4.0228</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8600e-003	0.0000	2.8600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0700e-003	4.6500e-003	0.0479	9.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	7.6959	7.6959	2.4900e-003	0.0000	7.7581
<b>Total</b>	<b>1.0700e-003</b>	<b>4.6500e-003</b>	<b>0.0479</b>	<b>9.0000e-005</b>	<b>2.8600e-003</b>	<b>1.4000e-004</b>	<b>3.0000e-003</b>	<b>3.1000e-004</b>	<b>1.4000e-004</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>7.6959</b>	<b>7.6959</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>7.7581</b>

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**3.4 230kV Transmission Site Work Prep - 2021**

**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	0.0126	3.6800e-003	3.0000e-005	6.0000e-004	4.0000e-005	6.4000e-004	1.7000e-004	3.0000e-005	2.1000e-004	0.0000	2.5243	2.5243	1.5000e-004	0.0000	2.5280
Worker	7.8000e-004	6.8000e-004	5.9900e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4937	1.4937	5.0000e-005	0.0000	1.4948
<b>Total</b>	<b>1.1800e-003</b>	<b>0.0132</b>	<b>9.6700e-003</b>	<b>5.0000e-005</b>	<b>2.4500e-003</b>	<b>5.0000e-005</b>	<b>2.5000e-003</b>	<b>6.6000e-004</b>	<b>4.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>4.0180</b>	<b>4.0180</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>4.0228</b>

**3.5 230kV Sub Site Work Area - 2021**

**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					0.0550	0.0000	0.0550	0.0299	0.0000	0.0299	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0542	0.5369	0.3317	9.4000e-004		0.0220	0.0220		0.0203	0.0203	0.0000	82.7786	82.7786	0.0268	0.0000	83.4479
<b>Total</b>	<b>0.0542</b>	<b>0.5369</b>	<b>0.3317</b>	<b>9.4000e-004</b>	<b>0.0550</b>	<b>0.0220</b>	<b>0.0771</b>	<b>0.0299</b>	<b>0.0203</b>	<b>0.0502</b>	<b>0.0000</b>	<b>82.7786</b>	<b>82.7786</b>	<b>0.0268</b>	<b>0.0000</b>	<b>83.4479</b>

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**3.5 230kV Sub Site Work Area - 2021**

**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	3.0600e-003	0.1112	0.0251	2.9000e-004	6.4500e-003	4.6000e-004	6.9100e-003	1.7700e-003	4.4000e-004	2.2200e-003	0.0000	28.7509	28.7509	1.6700e-003	0.0000	28.7927
Vendor	3.0000e-004	9.4200e-003	2.7600e-003	2.0000e-005	4.5000e-004	3.0000e-005	4.8000e-004	1.3000e-004	3.0000e-005	1.6000e-004	0.0000	1.8932	1.8932	1.1000e-004	0.0000	1.8960
Worker	7.3000e-004	6.4000e-004	5.6100e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4003	1.4003	4.0000e-005	0.0000	1.4014
<b>Total</b>	<b>4.0900e-003</b>	<b>0.1213</b>	<b>0.0335</b>	<b>3.3000e-004</b>	<b>8.6300e-003</b>	<b>5.0000e-004</b>	<b>9.1300e-003</b>	<b>2.3600e-003</b>	<b>4.8000e-004</b>	<b>2.8500e-003</b>	<b>0.0000</b>	<b>32.0445</b>	<b>32.0445</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>32.0901</b>

**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					0.0248	0.0000	0.0248	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0115	0.0500	0.4463	9.4000e-004		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	82.7785	82.7785	0.0268	0.0000	83.4478
<b>Total</b>	<b>0.0115</b>	<b>0.0500</b>	<b>0.4463</b>	<b>9.4000e-004</b>	<b>0.0248</b>	<b>1.5400e-003</b>	<b>0.0263</b>	<b>0.0135</b>	<b>1.5400e-003</b>	<b>0.0150</b>	<b>0.0000</b>	<b>82.7785</b>	<b>82.7785</b>	<b>0.0268</b>	<b>0.0000</b>	<b>83.4478</b>



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**3.5 230kV Sub Site Work Area - 2021**

**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	3.0600e-003	0.1112	0.0251	2.9000e-004	6.4500e-003	4.6000e-004	6.9100e-003	1.7700e-003	4.4000e-004	2.2200e-003	0.0000	28.7509	28.7509	1.6700e-003	0.0000	28.7927
Vendor	3.0000e-004	9.4200e-003	2.7600e-003	2.0000e-005	4.5000e-004	3.0000e-005	4.8000e-004	1.3000e-004	3.0000e-005	1.6000e-004	0.0000	1.8932	1.8932	1.1000e-004	0.0000	1.8960
Worker	7.3000e-004	6.4000e-004	5.6100e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4003	1.4003	4.0000e-005	0.0000	1.4014
<b>Total</b>	<b>4.0900e-003</b>	<b>0.1213</b>	<b>0.0335</b>	<b>3.3000e-004</b>	<b>8.6300e-003</b>	<b>5.0000e-004</b>	<b>9.1300e-003</b>	<b>2.3600e-003</b>	<b>4.8000e-004</b>	<b>2.8500e-003</b>	<b>0.0000</b>	<b>32.0445</b>	<b>32.0445</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>32.0901</b>

**3.6 70kV Substation Site Work Area Prep Mobil - 2021**

**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					3.7400e-003	0.0000	3.7400e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0235	0.0121	3.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	2.5653	2.5653	8.3000e-004	0.0000	2.5860
<b>Total</b>	<b>1.9200e-003</b>	<b>0.0235</b>	<b>0.0121</b>	<b>3.0000e-005</b>	<b>3.7400e-003</b>	<b>9.0000e-004</b>	<b>4.6400e-003</b>	<b>4.3000e-004</b>	<b>8.3000e-004</b>	<b>1.2600e-003</b>	<b>0.0000</b>	<b>2.5653</b>	<b>2.5653</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>2.5860</b>

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**3.6 70kV Substation Site Work Area Prep Mobil - 2021**

**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	3.0600e-003	0.1112	0.0251	2.9000e-004	6.4500e-003	4.6000e-004	6.9100e-003	1.7700e-003	4.4000e-004	2.2200e-003	0.0000	28.7509	28.7509	1.6700e-003	0.0000	28.7927
Vendor	1.1000e-004	3.4300e-003	1.0000e-003	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6885	0.6885	4.0000e-005	0.0000	0.6895
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.4600e-003</b>	<b>0.1149</b>	<b>0.0284</b>	<b>3.1000e-004</b>	<b>7.3000e-003</b>	<b>4.7000e-004</b>	<b>7.7800e-003</b>	<b>2.0000e-003</b>	<b>4.5000e-004</b>	<b>2.4700e-003</b>	<b>0.0000</b>	<b>29.9995</b>	<b>29.9995</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>30.0427</b>

**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					1.6800e-003	0.0000	1.6800e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6000e-004	1.5500e-003	0.0160	3.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	2.5653	2.5653	8.3000e-004	0.0000	2.5860
<b>Total</b>	<b>3.6000e-004</b>	<b>1.5500e-003</b>	<b>0.0160</b>	<b>3.0000e-005</b>	<b>1.6800e-003</b>	<b>5.0000e-005</b>	<b>1.7300e-003</b>	<b>1.9000e-004</b>	<b>5.0000e-005</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>2.5653</b>	<b>2.5653</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>2.5860</b>

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**3.6 70kV Substation Site Work Area Prep Mobil - 2021**

**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	3.0600e-003	0.1112	0.0251	2.9000e-004	6.4500e-003	4.6000e-004	6.9100e-003	1.7700e-003	4.4000e-004	2.2200e-003	0.0000	28.7509	28.7509	1.6700e-003	0.0000	28.7927
Vendor	1.1000e-004	3.4300e-003	1.0000e-003	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6885	0.6885	4.0000e-005	0.0000	0.6895
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.4600e-003</b>	<b>0.1149</b>	<b>0.0284</b>	<b>3.1000e-004</b>	<b>7.3000e-003</b>	<b>4.7000e-004</b>	<b>7.7800e-003</b>	<b>2.0000e-003</b>	<b>4.5000e-004</b>	<b>2.4700e-003</b>	<b>0.0000</b>	<b>29.9995</b>	<b>29.9995</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>30.0427</b>

**3.7 230kV Sub Fence Gate Install - 2021**

**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	2.3000e-004	3.0100e-003	4.1700e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.1000e-004	1.1000e-004	0.0000	0.5449	0.5449	1.8000e-004	0.0000	0.5493
<b>Total</b>	<b>2.3000e-004</b>	<b>3.0100e-003</b>	<b>4.1700e-003</b>	<b>1.0000e-005</b>		<b>1.2000e-004</b>	<b>1.2000e-004</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.5449</b>	<b>0.5449</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.5493</b>

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**3.7 230kV Sub Fence Gate Install - 2021**

**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	5.5000e-004	0.0171	5.0200e-003	4.0000e-005	8.2000e-004	5.0000e-005	8.7000e-004	2.4000e-004	5.0000e-005	2.8000e-004	0.0000	3.4422	3.4422	2.0000e-004	0.0000	3.4473
Worker	2.4000e-004	2.1000e-004	1.8700e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4668	0.4668	1.0000e-005	0.0000	0.4671
<b>Total</b>	<b>7.9000e-004</b>	<b>0.0173</b>	<b>6.8900e-003</b>	<b>5.0000e-005</b>	<b>1.4000e-003</b>	<b>5.0000e-005</b>	<b>1.4500e-003</b>	<b>3.9000e-004</b>	<b>5.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>3.9090</b>	<b>3.9090</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>3.9144</b>

**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	1.5000e-004	3.4900e-003	4.7100e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.5449	0.5449	1.8000e-004	0.0000	0.5493
<b>Total</b>	<b>1.5000e-004</b>	<b>3.4900e-003</b>	<b>4.7100e-003</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5449</b>	<b>0.5449</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.5493</b>

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**3.7 230kV Sub Fence Gate Install - 2021**

**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	5.5000e-004	0.0171	5.0200e-003	4.0000e-005	8.2000e-004	5.0000e-005	8.7000e-004	2.4000e-004	5.0000e-005	2.8000e-004	0.0000	3.4422	3.4422	2.0000e-004	0.0000	3.4473
Worker	2.4000e-004	2.1000e-004	1.8700e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4668	0.4668	1.0000e-005	0.0000	0.4671
<b>Total</b>	<b>7.9000e-004</b>	<b>0.0173</b>	<b>6.8900e-003</b>	<b>5.0000e-005</b>	<b>1.4000e-003</b>	<b>5.0000e-005</b>	<b>1.4500e-003</b>	<b>3.9000e-004</b>	<b>5.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>3.9090</b>	<b>3.9090</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>3.9144</b>

**3.8 Reconductoring Pole Install - 2021**

**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	0.1391	1.4662	0.7755	2.6800e-003		0.0560	0.0560		0.0515	0.0515	0.0000	235.7435	235.7435	0.0762	0.0000	237.6496
<b>Total</b>	<b>0.1391</b>	<b>1.4662</b>	<b>0.7755</b>	<b>2.6800e-003</b>		<b>0.0560</b>	<b>0.0560</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>235.7435</b>	<b>235.7435</b>	<b>0.0762</b>	<b>0.0000</b>	<b>237.6496</b>

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**3.8 Reconductoring Pole Install - 2021**

**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	2.8500e-003	0.0891	0.0261	1.9000e-004	4.2500e-003	2.5000e-004	4.5100e-003	1.2300e-003	2.4000e-004	1.4700e-003	0.0000	17.8996	17.8996	1.0600e-003	0.0000	17.9260
Worker	0.0117	0.0102	0.0898	2.5000e-004	0.0277	1.8000e-004	0.0279	7.3700e-003	1.6000e-004	7.5300e-003	0.0000	22.4052	22.4052	6.8000e-004	0.0000	22.4222
<b>Total</b>	<b>0.0146</b>	<b>0.0993</b>	<b>0.1159</b>	<b>4.4000e-004</b>	<b>0.0320</b>	<b>4.3000e-004</b>	<b>0.0324</b>	<b>8.6000e-003</b>	<b>4.0000e-004</b>	<b>9.0000e-003</b>	<b>0.0000</b>	<b>40.3048</b>	<b>40.3048</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>40.3482</b>

**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	0.0330	0.1429	1.2095	2.6800e-003		4.4000e-003	4.4000e-003		4.4000e-003	4.4000e-003	0.0000	235.7433	235.7433	0.0762	0.0000	237.6494
<b>Total</b>	<b>0.0330</b>	<b>0.1429</b>	<b>1.2095</b>	<b>2.6800e-003</b>		<b>4.4000e-003</b>	<b>4.4000e-003</b>		<b>4.4000e-003</b>	<b>4.4000e-003</b>	<b>0.0000</b>	<b>235.7433</b>	<b>235.7433</b>	<b>0.0762</b>	<b>0.0000</b>	<b>237.6494</b>

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**3.8 Reconductoring Pole Install - 2021**

**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	2.8500e-003	0.0891	0.0261	1.9000e-004	4.2500e-003	2.5000e-004	4.5100e-003	1.2300e-003	2.4000e-004	1.4700e-003	0.0000	17.8996	17.8996	1.0600e-003	0.0000	17.9260
Worker	0.0117	0.0102	0.0898	2.5000e-004	0.0277	1.8000e-004	0.0279	7.3700e-003	1.6000e-004	7.5300e-003	0.0000	22.4052	22.4052	6.8000e-004	0.0000	22.4222
<b>Total</b>	<b>0.0146</b>	<b>0.0993</b>	<b>0.1159</b>	<b>4.4000e-004</b>	<b>0.0320</b>	<b>4.3000e-004</b>	<b>0.0324</b>	<b>8.6000e-003</b>	<b>4.0000e-004</b>	<b>9.0000e-003</b>	<b>0.0000</b>	<b>40.3048</b>	<b>40.3048</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>40.3482</b>

**3.9 230kV Transmission Foundation Tower - 2021**

**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	0.0460	0.4635	0.2634	8.3000e-004		0.0189	0.0189		0.0174	0.0174	0.0000	72.6630	72.6630	0.0235	0.0000	73.2505
<b>Total</b>	<b>0.0460</b>	<b>0.4635</b>	<b>0.2634</b>	<b>8.3000e-004</b>		<b>0.0189</b>	<b>0.0189</b>		<b>0.0174</b>	<b>0.0174</b>	<b>0.0000</b>	<b>72.6630</b>	<b>72.6630</b>	<b>0.0235</b>	<b>0.0000</b>	<b>73.2505</b>

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**3.9 230kV Transmission Foundation Tower - 2021**

**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	8.8000e-004	0.0274	8.0300e-003	6.0000e-005	1.3100e-003	8.0000e-005	1.3900e-003	3.8000e-004	7.0000e-005	4.5000e-004	0.0000	5.5076	5.5076	3.2000e-004	0.0000	5.5157
Worker	1.9600e-003	1.7100e-003	0.0150	4.0000e-005	4.6200e-003	3.0000e-005	4.6500e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.7342	3.7342	1.1000e-004	0.0000	3.7370
<b>Total</b>	<b>2.8400e-003</b>	<b>0.0291</b>	<b>0.0230</b>	<b>1.0000e-004</b>	<b>5.9300e-003</b>	<b>1.1000e-004</b>	<b>6.0400e-003</b>	<b>1.6100e-003</b>	<b>1.0000e-004</b>	<b>1.7100e-003</b>	<b>0.0000</b>	<b>9.2418</b>	<b>9.2418</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>9.2527</b>

**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	0.0102	0.0440	0.3845	8.3000e-004		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	72.6629	72.6629	0.0235	0.0000	73.2504
<b>Total</b>	<b>0.0102</b>	<b>0.0440</b>	<b>0.3845</b>	<b>8.3000e-004</b>		<b>1.3500e-003</b>	<b>1.3500e-003</b>		<b>1.3500e-003</b>	<b>1.3500e-003</b>	<b>0.0000</b>	<b>72.6629</b>	<b>72.6629</b>	<b>0.0235</b>	<b>0.0000</b>	<b>73.2504</b>



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**3.9 230kV Transmission Foundation Tower - 2021**

**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	8.8000e-004	0.0274	8.0300e-003	6.0000e-005	1.3100e-003	8.0000e-005	1.3900e-003	3.8000e-004	7.0000e-005	4.5000e-004	0.0000	5.5076	5.5076	3.2000e-004	0.0000	5.5157
Worker	1.9600e-003	1.7100e-003	0.0150	4.0000e-005	4.6200e-003	3.0000e-005	4.6500e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.7342	3.7342	1.1000e-004	0.0000	3.7370
<b>Total</b>	<b>2.8400e-003</b>	<b>0.0291</b>	<b>0.0230</b>	<b>1.0000e-004</b>	<b>5.9300e-003</b>	<b>1.1000e-004</b>	<b>6.0400e-003</b>	<b>1.6100e-003</b>	<b>1.0000e-004</b>	<b>1.7100e-003</b>	<b>0.0000</b>	<b>9.2418</b>	<b>9.2418</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>9.2527</b>

**3.10 70kV Substation Foundation Construction - 2021**

**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	9.9300e-003	0.1012	0.0833	1.9000e-004		5.5000e-003	5.5000e-003		5.0600e-003	5.0600e-003	0.0000	16.7635	16.7635	5.4200e-003	0.0000	16.8991
<b>Total</b>	<b>9.9300e-003</b>	<b>0.1012</b>	<b>0.0833</b>	<b>1.9000e-004</b>		<b>5.5000e-003</b>	<b>5.5000e-003</b>		<b>5.0600e-003</b>	<b>5.0600e-003</b>	<b>0.0000</b>	<b>16.7635</b>	<b>16.7635</b>	<b>5.4200e-003</b>	<b>0.0000</b>	<b>16.8991</b>

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**3.10 70kV Substation Foundation Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	0.0149	4.3500e-003	3.0000e-005	7.1000e-004	4.0000e-005	7.5000e-004	2.0000e-004	4.0000e-005	2.5000e-004	0.0000	2.9833	2.9833	1.8000e-004	0.0000	2.9877
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>1.0700e-003</b>	<b>0.0154</b>	<b>8.8400e-003</b>	<b>4.0000e-005</b>	<b>2.1000e-003</b>	<b>5.0000e-005</b>	<b>2.1500e-003</b>	<b>5.7000e-004</b>	<b>5.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>4.1035</b>	<b>4.1035</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.1088</b>

**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	2.3500e-003	0.0102	0.1101	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	16.7635	16.7635	5.4200e-003	0.0000	16.8990
<b>Total</b>	<b>2.3500e-003</b>	<b>0.0102</b>	<b>0.1101</b>	<b>1.9000e-004</b>		<b>3.1000e-004</b>	<b>3.1000e-004</b>		<b>3.1000e-004</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>16.7635</b>	<b>16.7635</b>	<b>5.4200e-003</b>	<b>0.0000</b>	<b>16.8990</b>

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**3.10 70kV Substation Foundation Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	0.0149	4.3500e-003	3.0000e-005	7.1000e-004	4.0000e-005	7.5000e-004	2.0000e-004	4.0000e-005	2.5000e-004	0.0000	2.9833	2.9833	1.8000e-004	0.0000	2.9877
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>1.0700e-003</b>	<b>0.0154</b>	<b>8.8400e-003</b>	<b>4.0000e-005</b>	<b>2.1000e-003</b>	<b>5.0000e-005</b>	<b>2.1500e-003</b>	<b>5.7000e-004</b>	<b>5.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>4.1035</b>	<b>4.1035</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.1088</b>

**3.11 70kV Substation Ground Grid - 2021**

**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	5.1300e-003	0.0487	0.0438	6.0000e-005		3.3000e-003	3.3000e-003		3.0400e-003	3.0400e-003	0.0000	5.1260	5.1260	1.6600e-003	0.0000	5.1674
<b>Total</b>	<b>5.1300e-003</b>	<b>0.0487</b>	<b>0.0438</b>	<b>6.0000e-005</b>		<b>3.3000e-003</b>	<b>3.3000e-003</b>		<b>3.0400e-003</b>	<b>3.0400e-003</b>	<b>0.0000</b>	<b>5.1260</b>	<b>5.1260</b>	<b>1.6600e-003</b>	<b>0.0000</b>	<b>5.1674</b>

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**3.11 70kV Substation Ground Grid - 2021**

**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	3.3000e-004	0.0103	3.0100e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.2000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.0653	2.0653	1.2000e-004	0.0000	2.0684
Worker	3.9000e-004	3.4000e-004	2.9900e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.5000e-004	1.0000e-005	2.5000e-004	0.0000	0.7468	0.7468	2.0000e-005	0.0000	0.7474
<b>Total</b>	<b>7.2000e-004</b>	<b>0.0106</b>	<b>6.0000e-003</b>	<b>3.0000e-005</b>	<b>1.4100e-003</b>	<b>4.0000e-005</b>	<b>1.4500e-003</b>	<b>3.9000e-004</b>	<b>4.0000e-005</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>2.8122</b>	<b>2.8122</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>2.8158</b>

**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	7.1000e-004	3.0900e-003	0.0440	6.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	5.1260	5.1260	1.6600e-003	0.0000	5.1674
<b>Total</b>	<b>7.1000e-004</b>	<b>3.0900e-003</b>	<b>0.0440</b>	<b>6.0000e-005</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>5.1260</b>	<b>5.1260</b>	<b>1.6600e-003</b>	<b>0.0000</b>	<b>5.1674</b>

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**3.11 70kV Substation Ground Grid - 2021**

**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	3.3000e-004	0.0103	3.0100e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.2000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.0653	2.0653	1.2000e-004	0.0000	2.0684
Worker	3.9000e-004	3.4000e-004	2.9900e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.5000e-004	1.0000e-005	2.5000e-004	0.0000	0.7468	0.7468	2.0000e-005	0.0000	0.7474
<b>Total</b>	<b>7.2000e-004</b>	<b>0.0106</b>	<b>6.0000e-003</b>	<b>3.0000e-005</b>	<b>1.4100e-003</b>	<b>4.0000e-005</b>	<b>1.4500e-003</b>	<b>3.9000e-004</b>	<b>4.0000e-005</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>2.8122</b>	<b>2.8122</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>2.8158</b>

**3.12 230kV Sub Foundation Construction - 2021**

**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	0.0114	0.1303	0.0851	2.7000e-004		5.1200e-003	5.1200e-003		4.7100e-003	4.7100e-003	0.0000	23.6667	23.6667	7.6500e-003	0.0000	23.8581
<b>Total</b>	<b>0.0114</b>	<b>0.1303</b>	<b>0.0851</b>	<b>2.7000e-004</b>		<b>5.1200e-003</b>	<b>5.1200e-003</b>		<b>4.7100e-003</b>	<b>4.7100e-003</b>	<b>0.0000</b>	<b>23.6667</b>	<b>23.6667</b>	<b>7.6500e-003</b>	<b>0.0000</b>	<b>23.8581</b>

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**3.12 230kV Sub Foundation Construction - 2021**

**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	0.0531	0.0156	1.1000e-004	2.5400e-003	1.5000e-004	2.6900e-003	7.3000e-004	1.5000e-004	8.8000e-004	0.0000	10.6709	10.6709	6.3000e-004	0.0000	10.6867
Worker	1.7600e-003	1.5300e-003	0.0135	4.0000e-005	4.1600e-003	3.0000e-005	4.1900e-003	1.1100e-003	2.0000e-005	1.1300e-003	0.0000	3.3608	3.3608	1.0000e-004	0.0000	3.3633
<b>Total</b>	<b>3.4600e-003</b>	<b>0.0547</b>	<b>0.0290</b>	<b>1.5000e-004</b>	<b>6.7000e-003</b>	<b>1.8000e-004</b>	<b>6.8800e-003</b>	<b>1.8400e-003</b>	<b>1.7000e-004</b>	<b>2.0100e-003</b>	<b>0.0000</b>	<b>14.0317</b>	<b>14.0317</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>14.0500</b>

**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	3.3300e-003	0.0144	0.1328	2.7000e-004		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	23.6667	23.6667	7.6500e-003	0.0000	23.8580
<b>Total</b>	<b>3.3300e-003</b>	<b>0.0144</b>	<b>0.1328</b>	<b>2.7000e-004</b>		<b>4.4000e-004</b>	<b>4.4000e-004</b>		<b>4.4000e-004</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>23.6667</b>	<b>23.6667</b>	<b>7.6500e-003</b>	<b>0.0000</b>	<b>23.8580</b>

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**3.12 230kV Sub Foundation Construction - 2021**

**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	0.0531	0.0156	1.1000e-004	2.5400e-003	1.5000e-004	2.6900e-003	7.3000e-004	1.5000e-004	8.8000e-004	0.0000	10.6709	10.6709	6.3000e-004	0.0000	10.6867
Worker	1.7600e-003	1.5300e-003	0.0135	4.0000e-005	4.1600e-003	3.0000e-005	4.1900e-003	1.1100e-003	2.0000e-005	1.1300e-003	0.0000	3.3608	3.3608	1.0000e-004	0.0000	3.3633
<b>Total</b>	<b>3.4600e-003</b>	<b>0.0547</b>	<b>0.0290</b>	<b>1.5000e-004</b>	<b>6.7000e-003</b>	<b>1.8000e-004</b>	<b>6.8800e-003</b>	<b>1.8400e-003</b>	<b>1.7000e-004</b>	<b>2.0100e-003</b>	<b>0.0000</b>	<b>14.0317</b>	<b>14.0317</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>14.0500</b>

**3.13 Reconductoring Conductor Install - 2021**

**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	0.2443	2.2851	1.4691	4.7200e-003		0.0927	0.0927		0.0853	0.0853	0.0000	414.6560	414.6560	0.1341	0.0000	418.0087
<b>Total</b>	<b>0.2443</b>	<b>2.2851</b>	<b>1.4691</b>	<b>4.7200e-003</b>		<b>0.0927</b>	<b>0.0927</b>		<b>0.0853</b>	<b>0.0853</b>	<b>0.0000</b>	<b>414.6560</b>	<b>414.6560</b>	<b>0.1341</b>	<b>0.0000</b>	<b>418.0087</b>

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**3.13 Reconductoring Conductor Install - 2021**

**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	1.8300e-003	0.0571	0.0167	1.2000e-004	2.7300e-003	1.6000e-004	2.8900e-003	7.9000e-004	1.6000e-004	9.4000e-004	0.0000	11.4741	11.4741	6.8000e-004	0.0000	11.4910
Worker	7.3400e-003	6.3900e-003	0.0561	1.5000e-004	0.0173	1.1000e-004	0.0174	4.6100e-003	1.0000e-004	4.7100e-003	0.0000	14.0033	14.0033	4.2000e-004	0.0000	14.0139
<b>Total</b>	<b>9.1700e-003</b>	<b>0.0635</b>	<b>0.0729</b>	<b>2.7000e-004</b>	<b>0.0201</b>	<b>2.7000e-004</b>	<b>0.0203</b>	<b>5.4000e-003</b>	<b>2.6000e-004</b>	<b>5.6500e-003</b>	<b>0.0000</b>	<b>25.4774</b>	<b>25.4774</b>	<b>1.1000e-003</b>	<b>0.0000</b>	<b>25.5049</b>

**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	0.0579	0.2507	2.2031	4.7200e-003		7.7100e-003	7.7100e-003		7.7100e-003	7.7100e-003	0.0000	414.6555	414.6555	0.1341	0.0000	418.0082
<b>Total</b>	<b>0.0579</b>	<b>0.2507</b>	<b>2.2031</b>	<b>4.7200e-003</b>		<b>7.7100e-003</b>	<b>7.7100e-003</b>		<b>7.7100e-003</b>	<b>7.7100e-003</b>	<b>0.0000</b>	<b>414.6555</b>	<b>414.6555</b>	<b>0.1341</b>	<b>0.0000</b>	<b>418.0082</b>



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**3.13 Reconductoring Conductor Install - 2021**

**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	1.8300e-003	0.0571	0.0167	1.2000e-004	2.7300e-003	1.6000e-004	2.8900e-003	7.9000e-004	1.6000e-004	9.4000e-004	0.0000	11.4741	11.4741	6.8000e-004	0.0000	11.4910
Worker	7.3400e-003	6.3900e-003	0.0561	1.5000e-004	0.0173	1.1000e-004	0.0174	4.6100e-003	1.0000e-004	4.7100e-003	0.0000	14.0033	14.0033	4.2000e-004	0.0000	14.0139
<b>Total</b>	<b>9.1700e-003</b>	<b>0.0635</b>	<b>0.0729</b>	<b>2.7000e-004</b>	<b>0.0201</b>	<b>2.7000e-004</b>	<b>0.0203</b>	<b>5.4000e-003</b>	<b>2.6000e-004</b>	<b>5.6500e-003</b>	<b>0.0000</b>	<b>25.4774</b>	<b>25.4774</b>	<b>1.1000e-003</b>	<b>0.0000</b>	<b>25.5049</b>

**3.14 70kV Sub Steel Bus Erection - 2021**

**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	0.0118	0.1092	0.0911	2.8000e-004		3.7500e-003	3.7500e-003		3.4500e-003	3.4500e-003	0.0000	24.4181	24.4181	7.9000e-003	0.0000	24.6155
<b>Total</b>	<b>0.0118</b>	<b>0.1092</b>	<b>0.0911</b>	<b>2.8000e-004</b>		<b>3.7500e-003</b>	<b>3.7500e-003</b>		<b>3.4500e-003</b>	<b>3.4500e-003</b>	<b>0.0000</b>	<b>24.4181</b>	<b>24.4181</b>	<b>7.9000e-003</b>	<b>0.0000</b>	<b>24.6155</b>

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**3.14 70kV Sub Steel Bus Erection - 2021**

**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	3.3000e-004	0.0103	3.0100e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.2000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.0653	2.0653	1.2000e-004	0.0000	2.0684
Worker	7.8000e-004	6.8000e-004	5.9900e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4937	1.4937	5.0000e-005	0.0000	1.4948
<b>Total</b>	<b>1.1100e-003</b>	<b>0.0110</b>	<b>9.0000e-003</b>	<b>4.0000e-005</b>	<b>2.3400e-003</b>	<b>4.0000e-005</b>	<b>2.3800e-003</b>	<b>6.3000e-004</b>	<b>4.0000e-005</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>3.5590</b>	<b>3.5590</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.5632</b>

**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	3.9000e-003	0.0353	0.1373	2.8000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	24.4180	24.4180	7.9000e-003	0.0000	24.6155
<b>Total</b>	<b>3.9000e-003</b>	<b>0.0353</b>	<b>0.1373</b>	<b>2.8000e-004</b>		<b>4.5000e-004</b>	<b>4.5000e-004</b>		<b>4.5000e-004</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>24.4180</b>	<b>24.4180</b>	<b>7.9000e-003</b>	<b>0.0000</b>	<b>24.6155</b>

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**3.14 70kV Sub Steel Bus Erection - 2021**

**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	3.3000e-004	0.0103	3.0100e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.2000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.0653	2.0653	1.2000e-004	0.0000	2.0684
Worker	7.8000e-004	6.8000e-004	5.9900e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4937	1.4937	5.0000e-005	0.0000	1.4948
<b>Total</b>	<b>1.1100e-003</b>	<b>0.0110</b>	<b>9.0000e-003</b>	<b>4.0000e-005</b>	<b>2.3400e-003</b>	<b>4.0000e-005</b>	<b>2.3800e-003</b>	<b>6.3000e-004</b>	<b>4.0000e-005</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>3.5590</b>	<b>3.5590</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.5632</b>

**3.15 230kV Sub Ground Grid - 2021**

**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	4.5900e-003	0.0421	0.0313	4.0000e-005		3.0600e-003	3.0600e-003		2.8200e-003	2.8200e-003	0.0000	3.5590	3.5590	1.1500e-003	0.0000	3.5877
<b>Total</b>	<b>4.5900e-003</b>	<b>0.0421</b>	<b>0.0313</b>	<b>4.0000e-005</b>		<b>3.0600e-003</b>	<b>3.0600e-003</b>		<b>2.8200e-003</b>	<b>2.8200e-003</b>	<b>0.0000</b>	<b>3.5590</b>	<b>3.5590</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>3.5877</b>

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**3.15 230kV Sub Ground Grid - 2021**

**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	1.0600e-003	0.0331	9.7100e-003	7.0000e-005	1.5800e-003	9.0000e-005	1.6800e-003	4.6000e-004	9.0000e-005	5.5000e-004	0.0000	6.6550	6.6550	3.9000e-004	0.0000	6.6648
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5500e-003</b>	<b>0.0336</b>	<b>0.0135</b>	<b>8.0000e-005</b>	<b>2.7400e-003</b>	<b>1.0000e-004</b>	<b>2.8400e-003</b>	<b>7.7000e-004</b>	<b>1.0000e-004</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>7.5885</b>	<b>7.5885</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>7.5991</b>

**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	5.0000e-004	2.1500e-003	0.0305	4.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	3.5590	3.5590	1.1500e-003	0.0000	3.5877
<b>Total</b>	<b>5.0000e-004</b>	<b>2.1500e-003</b>	<b>0.0305</b>	<b>4.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>3.5590</b>	<b>3.5590</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>3.5877</b>

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**3.15 230kV Sub Ground Grid - 2021**

**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	1.0600e-003	0.0331	9.7100e-003	7.0000e-005	1.5800e-003	9.0000e-005	1.6800e-003	4.6000e-004	9.0000e-005	5.5000e-004	0.0000	6.6550	6.6550	3.9000e-004	0.0000	6.6648
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5500e-003</b>	<b>0.0336</b>	<b>0.0135</b>	<b>8.0000e-005</b>	<b>2.7400e-003</b>	<b>1.0000e-004</b>	<b>2.8400e-003</b>	<b>7.7000e-004</b>	<b>1.0000e-004</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>7.5885</b>	<b>7.5885</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>7.5991</b>

**3.16 230kV Transmission Conductor - 2021**

**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	0.0257	0.2573	0.1400	4.7000e-004		9.9500e-003	9.9500e-003		9.1500e-003	9.1500e-003	0.0000	41.5223	41.5223	0.0134	0.0000	41.8580
<b>Total</b>	<b>0.0257</b>	<b>0.2573</b>	<b>0.1400</b>	<b>4.7000e-004</b>		<b>9.9500e-003</b>	<b>9.9500e-003</b>		<b>9.1500e-003</b>	<b>9.1500e-003</b>	<b>0.0000</b>	<b>41.5223</b>	<b>41.5223</b>	<b>0.0134</b>	<b>0.0000</b>	<b>41.8580</b>

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**3.16 230kV Transmission Conductor - 2021**

**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	0.0126	3.6800e-003	3.0000e-005	6.0000e-004	4.0000e-005	6.4000e-004	1.7000e-004	3.0000e-005	2.1000e-004	0.0000	2.5243	2.5243	1.5000e-004	0.0000	2.5280
Worker	1.4700e-003	1.2800e-003	0.0112	3.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.8007	2.8007	8.0000e-005	0.0000	2.8028
<b>Total</b>	<b>1.8700e-003</b>	<b>0.0138</b>	<b>0.0149</b>	<b>6.0000e-005</b>	<b>4.0700e-003</b>	<b>6.0000e-005</b>	<b>4.1300e-003</b>	<b>1.0900e-003</b>	<b>5.0000e-005</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>5.3250</b>	<b>5.3250</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>5.3308</b>

**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	5.7900e-003	0.0251	0.2124	4.7000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	41.5223	41.5223	0.0134	0.0000	41.8580
<b>Total</b>	<b>5.7900e-003</b>	<b>0.0251</b>	<b>0.2124</b>	<b>4.7000e-004</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>41.5223</b>	<b>41.5223</b>	<b>0.0134</b>	<b>0.0000</b>	<b>41.8580</b>

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**3.16 230kV Transmission Conductor - 2021**

**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	0.0126	3.6800e-003	3.0000e-005	6.0000e-004	4.0000e-005	6.4000e-004	1.7000e-004	3.0000e-005	2.1000e-004	0.0000	2.5243	2.5243	1.5000e-004	0.0000	2.5280
Worker	1.4700e-003	1.2800e-003	0.0112	3.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.8007	2.8007	8.0000e-005	0.0000	2.8028
<b>Total</b>	<b>1.8700e-003</b>	<b>0.0138</b>	<b>0.0149</b>	<b>6.0000e-005</b>	<b>4.0700e-003</b>	<b>6.0000e-005</b>	<b>4.1300e-003</b>	<b>1.0900e-003</b>	<b>5.0000e-005</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>5.3250</b>	<b>5.3250</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>5.3308</b>

**3.17 70 kV Substation Equip Delivery - 2021**

**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	3.9500e-003	0.0368	0.0313	9.0000e-005		1.2500e-003	1.2500e-003		1.1500e-003	1.1500e-003	0.0000	8.2434	8.2434	2.6700e-003	0.0000	8.3100
<b>Total</b>	<b>3.9500e-003</b>	<b>0.0368</b>	<b>0.0313</b>	<b>9.0000e-005</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>		<b>1.1500e-003</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>8.2434</b>	<b>8.2434</b>	<b>2.6700e-003</b>	<b>0.0000</b>	<b>8.3100</b>

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**3.17 70 kV Substation Equip Delivery - 2021**

**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	3.3000e-004	0.0103	3.0100e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.2000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.0653	2.0653	1.2000e-004	0.0000	2.0684
Worker	4.4000e-004	3.8000e-004	3.3700e-003	1.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	2.8000e-004	1.0000e-005	2.8000e-004	0.0000	0.8402	0.8402	3.0000e-005	0.0000	0.8408
<b>Total</b>	<b>7.7000e-004</b>	<b>0.0107</b>	<b>6.3800e-003</b>	<b>3.0000e-005</b>	<b>1.5300e-003</b>	<b>4.0000e-005</b>	<b>1.5700e-003</b>	<b>4.2000e-004</b>	<b>4.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>2.9055</b>	<b>2.9055</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.9092</b>

**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	1.3400e-003	0.0127	0.0468	9.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	8.2434	8.2434	2.6700e-003	0.0000	8.3100
<b>Total</b>	<b>1.3400e-003</b>	<b>0.0127</b>	<b>0.0468</b>	<b>9.0000e-005</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>8.2434</b>	<b>8.2434</b>	<b>2.6700e-003</b>	<b>0.0000</b>	<b>8.3100</b>







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**3.18 70kV Substation Control Enclosure - 2021**

**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	5.7000e-004	1.7000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1147	0.1147	1.0000e-005	0.0000	0.1149
Worker	1.2000e-004	1.1000e-004	9.4000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2334	0.2334	1.0000e-005	0.0000	0.2336
<b>Total</b>	<b>1.4000e-004</b>	<b>6.8000e-004</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.3481</b>	<b>0.3481</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.3485</b>

**3.19 230kV Sub Steel Bus - 2021**

**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	7.6100e-003	0.0686	0.0531	1.7000e-004		2.4200e-003	2.4200e-003		2.2300e-003	2.2300e-003	0.0000	15.2460	15.2460	4.9300e-003	0.0000	15.3693
<b>Total</b>	<b>7.6100e-003</b>	<b>0.0686</b>	<b>0.0531</b>	<b>1.7000e-004</b>		<b>2.4200e-003</b>	<b>2.4200e-003</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>	<b>0.0000</b>	<b>15.2460</b>	<b>15.2460</b>	<b>4.9300e-003</b>	<b>0.0000</b>	<b>15.3693</b>

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**3.19 230kV Sub Steel Bus - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-003	0.0343	0.0100	7.0000e-005	1.6400e-003	1.0000e-004	1.7300e-003	4.7000e-004	9.0000e-005	5.7000e-004	0.0000	6.8845	6.8845	4.1000e-004	0.0000	6.8946
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5900e-003</b>	<b>0.0347</b>	<b>0.0138</b>	<b>8.0000e-005</b>	<b>2.8000e-003</b>	<b>1.1000e-004</b>	<b>2.8900e-003</b>	<b>7.8000e-004</b>	<b>1.0000e-004</b>	<b>8.8000e-004</b>	<b>0.0000</b>	<b>7.8180</b>	<b>7.8180</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>7.8289</b>

**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	2.3100e-003	0.0169	0.0826	1.7000e-004		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	15.2460	15.2460	4.9300e-003	0.0000	15.3693
<b>Total</b>	<b>2.3100e-003</b>	<b>0.0169</b>	<b>0.0826</b>	<b>1.7000e-004</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>15.2460</b>	<b>15.2460</b>	<b>4.9300e-003</b>	<b>0.0000</b>	<b>15.3693</b>

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**3.19 230kV Sub Steel Bus - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-003	0.0343	0.0100	7.0000e-005	1.6400e-003	1.0000e-004	1.7300e-003	4.7000e-004	9.0000e-005	5.7000e-004	0.0000	6.8845	6.8845	4.1000e-004	0.0000	6.8946
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5900e-003</b>	<b>0.0347</b>	<b>0.0138</b>	<b>8.0000e-005</b>	<b>2.8000e-003</b>	<b>1.1000e-004</b>	<b>2.8900e-003</b>	<b>7.8000e-004</b>	<b>1.0000e-004</b>	<b>8.8000e-004</b>	<b>0.0000</b>	<b>7.8180</b>	<b>7.8180</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>7.8289</b>

**3.20 230kV Sub Install Yard Rock - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.5000e-004	0.0113	0.0156	2.0000e-005		4.6000e-004	4.6000e-004		4.2000e-004	4.2000e-004	0.0000	2.0432	2.0432	6.6000e-004	0.0000	2.0597
<b>Total</b>	<b>8.5000e-004</b>	<b>0.0113</b>	<b>0.0156</b>	<b>2.0000e-005</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>		<b>4.2000e-004</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>2.0432</b>	<b>2.0432</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>2.0597</b>

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**3.20 230kV Sub Install Yard Rock - 2021**

**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	1.2300e-003	0.0386	0.0113	8.0000e-005	1.8400e-003	1.1000e-004	1.9500e-003	5.3000e-004	1.1000e-004	6.4000e-004	0.0000	7.7450	7.7450	4.6000e-004	0.0000	7.7565
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>1.8200e-003</b>	<b>0.0391</b>	<b>0.0158</b>	<b>9.0000e-005</b>	<b>3.2300e-003</b>	<b>1.2000e-004</b>	<b>3.3500e-003</b>	<b>9.0000e-004</b>	<b>1.2000e-004</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>8.8653</b>	<b>8.8653</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>8.8776</b>

**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	5.7000e-004	0.0131	0.0177	2.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.0432	2.0432	6.6000e-004	0.0000	2.0597
<b>Total</b>	<b>5.7000e-004</b>	<b>0.0131</b>	<b>0.0177</b>	<b>2.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>2.0432</b>	<b>2.0432</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>2.0597</b>







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**3.21 70kV Substation Cable Installation - 2021**

**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	2.5700e-003	7.5000e-004	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5163	0.5163	3.0000e-005	0.0000	0.5171
Worker	3.7000e-004	3.2000e-004	2.8100e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7002	0.7002	2.0000e-005	0.0000	0.7007
<b>Total</b>	<b>4.5000e-004</b>	<b>2.8900e-003</b>	<b>3.5600e-003</b>	<b>2.0000e-005</b>	<b>9.9000e-004</b>	<b>2.0000e-005</b>	<b>1.0000e-003</b>	<b>2.7000e-004</b>	<b>2.0000e-005</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>1.2165</b>	<b>1.2165</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.2178</b>

**3.22 230kV Sub Transformer - 2021**

**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	0.0376	0.3432	0.2414	7.6000e-004		0.0136	0.0136		0.0126	0.0126	0.0000	66.9818	66.9818	0.0202	0.0000	67.4873
<b>Total</b>	<b>0.0376</b>	<b>0.3432</b>	<b>0.2414</b>	<b>7.6000e-004</b>		<b>0.0136</b>	<b>0.0136</b>		<b>0.0126</b>	<b>0.0126</b>	<b>0.0000</b>	<b>66.9818</b>	<b>66.9818</b>	<b>0.0202</b>	<b>0.0000</b>	<b>67.4873</b>

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**3.22 230kV Sub Transformer - 2021**

**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	1.3700e-003	0.0428	0.0126	9.0000e-005	2.0400e-003	1.2000e-004	2.1700e-003	5.9000e-004	1.2000e-004	7.1000e-004	0.0000	8.6056	8.6056	5.1000e-004	0.0000	8.6183
Worker	9.8000e-004	8.5000e-004	7.4800e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3300e-003	6.1000e-004	1.0000e-005	6.3000e-004	0.0000	1.8671	1.8671	6.0000e-005	0.0000	1.8685
<b>Total</b>	<b>2.3500e-003</b>	<b>0.0437</b>	<b>0.0200</b>	<b>1.1000e-004</b>	<b>4.3500e-003</b>	<b>1.3000e-004</b>	<b>4.5000e-003</b>	<b>1.2000e-003</b>	<b>1.3000e-004</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>10.4727</b>	<b>10.4727</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>10.4868</b>

**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	9.2200e-003	0.0399	0.3605	7.6000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	66.9818	66.9818	0.0202	0.0000	67.4873
<b>Total</b>	<b>9.2200e-003</b>	<b>0.0399</b>	<b>0.3605</b>	<b>7.6000e-004</b>		<b>1.2300e-003</b>	<b>1.2300e-003</b>		<b>1.2300e-003</b>	<b>1.2300e-003</b>	<b>0.0000</b>	<b>66.9818</b>	<b>66.9818</b>	<b>0.0202</b>	<b>0.0000</b>	<b>67.4873</b>

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**3.22 230kV Sub Transformer - 2021**

**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	1.3700e-003	0.0428	0.0126	9.0000e-005	2.0400e-003	1.2000e-004	2.1700e-003	5.9000e-004	1.2000e-004	7.1000e-004	0.0000	8.6056	8.6056	5.1000e-004	0.0000	8.6183
Worker	9.8000e-004	8.5000e-004	7.4800e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3300e-003	6.1000e-004	1.0000e-005	6.3000e-004	0.0000	1.8671	1.8671	6.0000e-005	0.0000	1.8685
<b>Total</b>	<b>2.3500e-003</b>	<b>0.0437</b>	<b>0.0200</b>	<b>1.1000e-004</b>	<b>4.3500e-003</b>	<b>1.3000e-004</b>	<b>4.5000e-003</b>	<b>1.2000e-003</b>	<b>1.3000e-004</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>10.4727</b>	<b>10.4727</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>10.4868</b>

**3.23 230kV Transmission Cleanup Restore - 2021**

**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					1.5900e-003	0.0000	1.5900e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6400e-003	0.0206	8.6900e-003	2.0000e-005		7.3000e-004	7.3000e-004		6.7000e-004	6.7000e-004	0.0000	2.1558	2.1558	7.0000e-004	0.0000	2.1733
<b>Total</b>	<b>1.6400e-003</b>	<b>0.0206</b>	<b>8.6900e-003</b>	<b>2.0000e-005</b>	<b>1.5900e-003</b>	<b>7.3000e-004</b>	<b>2.3200e-003</b>	<b>1.7000e-004</b>	<b>6.7000e-004</b>	<b>8.4000e-004</b>	<b>0.0000</b>	<b>2.1558</b>	<b>2.1558</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>2.1733</b>

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**3.23 230kV Transmission Cleanup Restore - 2021**

**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	2.5700e-003	7.5000e-004	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5163	0.5163	3.0000e-005	0.0000	0.5171
Worker	1.2000e-004	1.1000e-004	9.4000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2334	0.2334	1.0000e-005	0.0000	0.2336
<b>Total</b>	<b>2.0000e-004</b>	<b>2.6800e-003</b>	<b>1.6900e-003</b>	<b>1.0000e-005</b>	<b>4.1000e-004</b>	<b>1.0000e-005</b>	<b>4.2000e-004</b>	<b>1.2000e-004</b>	<b>1.0000e-005</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.7497</b>	<b>0.7497</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.7507</b>

**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					7.2000e-004	0.0000	7.2000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-004	1.3000e-003	0.0124	2.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.1558	2.1558	7.0000e-004	0.0000	2.1733
<b>Total</b>	<b>3.0000e-004</b>	<b>1.3000e-003</b>	<b>0.0124</b>	<b>2.0000e-005</b>	<b>7.2000e-004</b>	<b>4.0000e-005</b>	<b>7.6000e-004</b>	<b>8.0000e-005</b>	<b>4.0000e-005</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>2.1558</b>	<b>2.1558</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>2.1733</b>

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**3.23 230kV Transmission Cleanup Restore - 2021**

**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	2.5700e-003	7.5000e-004	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5163	0.5163	3.0000e-005	0.0000	0.5171
Worker	1.2000e-004	1.1000e-004	9.4000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2334	0.2334	1.0000e-005	0.0000	0.2336
<b>Total</b>	<b>2.0000e-004</b>	<b>2.6800e-003</b>	<b>1.6900e-003</b>	<b>1.0000e-005</b>	<b>4.1000e-004</b>	<b>1.0000e-005</b>	<b>4.2000e-004</b>	<b>1.2000e-004</b>	<b>1.0000e-005</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.7497</b>	<b>0.7497</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.7507</b>

**3.24 230kV Sub Control Enclosure Delivery - 2021**

**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	1.8600e-003	0.0218	8.9200e-003	3.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	2.2810	2.2810	7.4000e-004	0.0000	2.2994
<b>Total</b>	<b>1.8600e-003</b>	<b>0.0218</b>	<b>8.9200e-003</b>	<b>3.0000e-005</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>		<b>8.2000e-004</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>2.2810</b>	<b>2.2810</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>2.2994</b>

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**3.24 230kV Sub Control Enclosure Delivery - 2021**

**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	1.1400e-003	3.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2295	0.2295	1.0000e-005	0.0000	0.2298
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.3000e-004</b>	<b>1.4000e-003</b>	<b>2.5700e-003</b>	<b>1.0000e-005</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>7.6000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.7896</b>	<b>0.7896</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7904</b>

**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	3.2000e-004	1.3800e-003	0.0117	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.2810	2.2810	7.4000e-004	0.0000	2.2994
<b>Total</b>	<b>3.2000e-004</b>	<b>1.3800e-003</b>	<b>0.0117</b>	<b>3.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>2.2810</b>	<b>2.2810</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>2.2994</b>

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**3.24 230kV Sub Control Enclosure Delivery - 2021**

**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	1.1400e-003	3.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2295	0.2295	1.0000e-005	0.0000	0.2298
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.3000e-004</b>	<b>1.4000e-003</b>	<b>2.5700e-003</b>	<b>1.0000e-005</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>7.6000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.7896</b>	<b>0.7896</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7904</b>

**3.25 70kV Substation Install Yard Rock - 2021**

**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	1.1200e-003	0.0114	0.0136	2.0000e-005		6.7000e-004	6.7000e-004		6.2000e-004	6.2000e-004	0.0000	1.6378	1.6378	5.3000e-004	0.0000	1.6511
<b>Total</b>	<b>1.1200e-003</b>	<b>0.0114</b>	<b>0.0136</b>	<b>2.0000e-005</b>		<b>6.7000e-004</b>	<b>6.7000e-004</b>		<b>6.2000e-004</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>1.6378</b>	<b>1.6378</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6511</b>

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**3.25 70kV Substation Install Yard Rock - 2021**

**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	2.9000e-004	9.1400e-003	2.6800e-003	2.0000e-005	4.4000e-004	3.0000e-005	4.6000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	1.8359	1.8359	1.1000e-004	0.0000	1.8386
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>5.8000e-004</b>	<b>9.4000e-003</b>	<b>4.9200e-003</b>	<b>3.0000e-005</b>	<b>1.1300e-003</b>	<b>3.0000e-005</b>	<b>1.1600e-003</b>	<b>3.1000e-004</b>	<b>2.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>2.3960</b>	<b>2.3960</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>2.3991</b>

**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	2.3000e-004	9.9000e-004	0.0141	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.6378	1.6378	5.3000e-004	0.0000	1.6511
<b>Total</b>	<b>2.3000e-004</b>	<b>9.9000e-004</b>	<b>0.0141</b>	<b>2.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.6378</b>	<b>1.6378</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6511</b>



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**3.25 70kV Substation Install Yard Rock - 2021**

**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	2.9000e-004	9.1400e-003	2.6800e-003	2.0000e-005	4.4000e-004	3.0000e-005	4.6000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	1.8359	1.8359	1.1000e-004	0.0000	1.8386
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>5.8000e-004</b>	<b>9.4000e-003</b>	<b>4.9200e-003</b>	<b>3.0000e-005</b>	<b>1.1300e-003</b>	<b>3.0000e-005</b>	<b>1.1600e-003</b>	<b>3.1000e-004</b>	<b>2.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>2.3960</b>	<b>2.3960</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>2.3991</b>

**3.26 230kV Sub Remaining Equipment Delivery - 2021**

**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	5.4500e-003	0.0474	0.0324	1.2000e-004		1.7400e-003	1.7400e-003		1.6000e-003	1.6000e-003	0.0000	10.4387	10.4387	3.3800e-003	0.0000	10.5231
<b>Total</b>	<b>5.4500e-003</b>	<b>0.0474</b>	<b>0.0324</b>	<b>1.2000e-004</b>		<b>1.7400e-003</b>	<b>1.7400e-003</b>		<b>1.6000e-003</b>	<b>1.6000e-003</b>	<b>0.0000</b>	<b>10.4387</b>	<b>10.4387</b>	<b>3.3800e-003</b>	<b>0.0000</b>	<b>10.5231</b>

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**3.26 230kV Sub Remaining Equipment Delivery - 2021**

**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	1.0200e-003	0.0320	9.3700e-003	7.0000e-005	1.5300e-003	9.0000e-005	1.6200e-003	4.4000e-004	9.0000e-005	5.3000e-004	0.0000	6.4255	6.4255	3.8000e-004	0.0000	6.4350
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5100e-003</b>	<b>0.0324</b>	<b>0.0131</b>	<b>8.0000e-005</b>	<b>2.6900e-003</b>	<b>1.0000e-004</b>	<b>2.7800e-003</b>	<b>7.5000e-004</b>	<b>1.0000e-004</b>	<b>8.4000e-004</b>	<b>0.0000</b>	<b>7.3591</b>	<b>7.3591</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>7.3692</b>

**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	1.4500e-003	6.3000e-003	0.0534	1.2000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	10.4387	10.4387	3.3800e-003	0.0000	10.5231
<b>Total</b>	<b>1.4500e-003</b>	<b>6.3000e-003</b>	<b>0.0534</b>	<b>1.2000e-004</b>		<b>1.9000e-004</b>	<b>1.9000e-004</b>		<b>1.9000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>10.4387</b>	<b>10.4387</b>	<b>3.3800e-003</b>	<b>0.0000</b>	<b>10.5231</b>





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**3.27 70kV Substation Cleanup Restore - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.7000e-004	1.5000e-003	0.0000	4.6000e-004	0.0000	4.7000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.3734	0.3734	1.0000e-005	0.0000	0.3737
<b>Total</b>	<b>2.0000e-004</b>	<b>1.7000e-004</b>	<b>1.5000e-003</b>	<b>0.0000</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>4.7000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.3734</b>	<b>0.3734</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3737</b>

**3.28 230kV Sub Cable Install Termination - 2021**

**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	2.2000e-004	3.6000e-003	6.5600e-003	1.0000e-005		7.0000e-005	7.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.8852	0.8852	2.9000e-004	0.0000	0.8923
<b>Total</b>	<b>2.2000e-004</b>	<b>3.6000e-003</b>	<b>6.5600e-003</b>	<b>1.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.8852</b>	<b>0.8852</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.8923</b>

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**3.28 230kV Sub Cable Install Termination - 2021**

**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	5.0000e-005	1.7100e-003	5.0000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3442	0.3442	2.0000e-005	0.0000	0.3447
Worker	2.4000e-004	2.1000e-004	1.8700e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4668	0.4668	1.0000e-005	0.0000	0.4671
<b>Total</b>	<b>2.9000e-004</b>	<b>1.9200e-003</b>	<b>2.3700e-003</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>6.7000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.8110</b>	<b>0.8110</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8119</b>

**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	2.5000e-004	5.6600e-003	7.6500e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.8852	0.8852	2.9000e-004	0.0000	0.8923
<b>Total</b>	<b>2.5000e-004</b>	<b>5.6600e-003</b>	<b>7.6500e-003</b>	<b>1.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8852</b>	<b>0.8852</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.8923</b>











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**3.30 230kV Sub Testing and Commissioning - 2021**

**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	1.1900e-003	0.0371	0.0109	8.0000e-005	1.7700e-003	1.1000e-004	1.8800e-003	5.1000e-004	1.0000e-004	6.1000e-004	0.0000	7.4582	7.4582	4.4000e-004	0.0000	7.4692
Worker	6.1000e-004	5.3000e-004	4.6800e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1669	1.1669	4.0000e-005	0.0000	1.1678
<b>Total</b>	<b>1.8000e-003</b>	<b>0.0377</b>	<b>0.0156</b>	<b>9.0000e-005</b>	<b>3.2100e-003</b>	<b>1.2000e-004</b>	<b>3.3300e-003</b>	<b>8.9000e-004</b>	<b>1.1000e-004</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>8.6251</b>	<b>8.6251</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>8.6370</b>

**3.31 230kV Substation Cleanup Restore - 2021**

**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	2.7000e-003	0.0260	0.0286	4.0000e-005		1.6700e-003	1.6700e-003		1.5300e-003	1.5300e-003	0.0000	3.3613	3.3613	1.0900e-003	0.0000	3.3885
<b>Total</b>	<b>2.7000e-003</b>	<b>0.0260</b>	<b>0.0286</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.6700e-003</b>	<b>1.6700e-003</b>	<b>0.0000</b>	<b>1.5300e-003</b>	<b>1.5300e-003</b>	<b>0.0000</b>	<b>3.3613</b>	<b>3.3613</b>	<b>1.0900e-003</b>	<b>0.0000</b>	<b>3.3885</b>

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**3.31 230kV Substation Cleanup Restore - 2021**

**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-004	0.0248	7.2800e-003	5.0000e-005	1.1900e-003	7.0000e-005	1.2600e-003	3.4000e-004	7.0000e-005	4.1000e-004	0.0000	4.9912	4.9912	2.9000e-004	0.0000	4.9986
Worker	2.2000e-004	1.9000e-004	1.6800e-003	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4201	0.4201	1.0000e-005	0.0000	0.4204
<b>Total</b>	<b>1.0200e-003</b>	<b>0.0250</b>	<b>8.9600e-003</b>	<b>5.0000e-005</b>	<b>1.7100e-003</b>	<b>7.0000e-005</b>	<b>1.7800e-003</b>	<b>4.8000e-004</b>	<b>7.0000e-005</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>5.4113</b>	<b>5.4113</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>5.4190</b>

**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	4.7000e-004	2.0400e-003	0.0290	4.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.3613	3.3613	1.0900e-003	0.0000	3.3885
<b>Total</b>	<b>4.7000e-004</b>	<b>2.0400e-003</b>	<b>0.0290</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>3.3613</b>	<b>3.3613</b>	<b>1.0900e-003</b>	<b>0.0000</b>	<b>3.3885</b>

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**3.31 230kV Substation Cleanup Restore - 2021**

**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-004	0.0248	7.2800e-003	5.0000e-005	1.1900e-003	7.0000e-005	1.2600e-003	3.4000e-004	7.0000e-005	4.1000e-004	0.0000	4.9912	4.9912	2.9000e-004	0.0000	4.9986
Worker	2.2000e-004	1.9000e-004	1.6800e-003	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4201	0.4201	1.0000e-005	0.0000	0.4204
<b>Total</b>	<b>1.0200e-003</b>	<b>0.0250</b>	<b>8.9600e-003</b>	<b>5.0000e-005</b>	<b>1.7100e-003</b>	<b>7.0000e-005</b>	<b>1.7800e-003</b>	<b>4.8000e-004</b>	<b>7.0000e-005</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>5.4113</b>	<b>5.4113</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>5.4190</b>

**3.32 70kV Power Line Site Work Prep - 2021**

**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					6.3600e-003	0.0000	6.3600e-003	6.9000e-004	0.0000	6.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2800e-003	0.1180	0.0454	1.4000e-004		4.0500e-003	4.0500e-003		3.7300e-003	3.7300e-003	0.0000	12.1161	12.1161	3.9200e-003	0.0000	12.2141
<b>Total</b>	<b>9.2800e-003</b>	<b>0.1180</b>	<b>0.0454</b>	<b>1.4000e-004</b>	<b>6.3600e-003</b>	<b>4.0500e-003</b>	<b>0.0104</b>	<b>6.9000e-004</b>	<b>3.7300e-003</b>	<b>4.4200e-003</b>	<b>0.0000</b>	<b>12.1161</b>	<b>12.1161</b>	<b>3.9200e-003</b>	<b>0.0000</b>	<b>12.2141</b>

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**3.32 70kV Power Line Site Work Prep - 2021**

**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	3.7000e-004	0.0114	3.3500e-003	2.0000e-005	5.5000e-004	3.0000e-005	5.8000e-004	1.6000e-004	3.0000e-005	1.9000e-004	0.0000	2.2948	2.2948	1.4000e-004	0.0000	2.2982
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>9.6000e-004</b>	<b>0.0119</b>	<b>7.8400e-003</b>	<b>3.0000e-005</b>	<b>1.9400e-003</b>	<b>4.0000e-005</b>	<b>1.9800e-003</b>	<b>5.3000e-004</b>	<b>4.0000e-005</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>3.4151</b>	<b>3.4151</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.4193</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8600e-003	0.0000	2.8600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6900e-003	7.3200e-003	0.0676	1.4000e-004		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	12.1161	12.1161	3.9200e-003	0.0000	12.2141
<b>Total</b>	<b>1.6900e-003</b>	<b>7.3200e-003</b>	<b>0.0676</b>	<b>1.4000e-004</b>	<b>2.8600e-003</b>	<b>2.3000e-004</b>	<b>3.0900e-003</b>	<b>3.1000e-004</b>	<b>2.3000e-004</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>12.1161</b>	<b>12.1161</b>	<b>3.9200e-003</b>	<b>0.0000</b>	<b>12.2141</b>

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**3.32 70kV Power Line Site Work Prep - 2021**

**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	3.7000e-004	0.0114	3.3500e-003	2.0000e-005	5.5000e-004	3.0000e-005	5.8000e-004	1.6000e-004	3.0000e-005	1.9000e-004	0.0000	2.2948	2.2948	1.4000e-004	0.0000	2.2982
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>9.6000e-004</b>	<b>0.0119</b>	<b>7.8400e-003</b>	<b>3.0000e-005</b>	<b>1.9400e-003</b>	<b>4.0000e-005</b>	<b>1.9800e-003</b>	<b>5.3000e-004</b>	<b>4.0000e-005</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>3.4151</b>	<b>3.4151</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.4193</b>

**3.33 Reconductoring Cleanup Restore - 2021**

**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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6000e-003	0.0324	0.0147	4.0000e-005		1.1800e-003	1.1800e-003		1.0900e-003	1.0900e-003	0.0000	3.4385	3.4385	1.1100e-003	0.0000	3.4663
<b>Total</b>	<b>2.6000e-003</b>	<b>0.0324</b>	<b>0.0147</b>	<b>4.0000e-005</b>	<b>3.1800e-003</b>	<b>1.1800e-003</b>	<b>4.3600e-003</b>	<b>3.4000e-004</b>	<b>1.0900e-003</b>	<b>1.4300e-003</b>	<b>0.0000</b>	<b>3.4385</b>	<b>3.4385</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.4663</b>

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**3.33 Reconductoring Cleanup Restore - 2021**

**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	9.0000e-005	2.8600e-003	8.4000e-004	1.0000e-005	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.5737	0.5737	3.0000e-005	0.0000	0.5746
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.8000e-004</b>	<b>3.1200e-003</b>	<b>3.0800e-003</b>	<b>2.0000e-005</b>	<b>8.3000e-004</b>	<b>1.0000e-005</b>	<b>8.4000e-004</b>	<b>2.2000e-004</b>	<b>1.0000e-005</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>1.1338</b>	<b>1.1338</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.1351</b>

**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					1.4300e-003	0.0000	1.4300e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	2.0800e-003	0.0204	4.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.4385	3.4385	1.1100e-003	0.0000	3.4663
<b>Total</b>	<b>4.8000e-004</b>	<b>2.0800e-003</b>	<b>0.0204</b>	<b>4.0000e-005</b>	<b>1.4300e-003</b>	<b>6.0000e-005</b>	<b>1.4900e-003</b>	<b>1.5000e-004</b>	<b>6.0000e-005</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>3.4385</b>	<b>3.4385</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.4663</b>



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**3.33 Reconductoring Cleanup Restore - 2021**

**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	9.0000e-005	2.8600e-003	8.4000e-004	1.0000e-005	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.5737	0.5737	3.0000e-005	0.0000	0.5746
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.8000e-004</b>	<b>3.1200e-003</b>	<b>3.0800e-003</b>	<b>2.0000e-005</b>	<b>8.3000e-004</b>	<b>1.0000e-005</b>	<b>8.4000e-004</b>	<b>2.2000e-004</b>	<b>1.0000e-005</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>1.1338</b>	<b>1.1338</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.1351</b>

**3.34 70kV Power Line Pole Tower Install - 2021**

**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	0.1320	1.1940	0.8330	2.7400e-003		0.0465	0.0465		0.0428	0.0428	0.0000	240.7603	240.7603	0.0779	0.0000	242.7069
<b>Total</b>	<b>0.1320</b>	<b>1.1940</b>	<b>0.8330</b>	<b>2.7400e-003</b>		<b>0.0465</b>	<b>0.0465</b>		<b>0.0428</b>	<b>0.0428</b>	<b>0.0000</b>	<b>240.7603</b>	<b>240.7603</b>	<b>0.0779</b>	<b>0.0000</b>	<b>242.7069</b>

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**3.34 70kV Power Line Pole Tower Install - 2021**

**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	2.4000e-003	0.0750	0.0220	1.6000e-004	3.5800e-003	2.1000e-004	3.7900e-003	1.0300e-003	2.0000e-004	1.2400e-003	0.0000	15.0598	15.0598	8.9000e-004	0.0000	15.0820
Worker	8.9900e-003	7.8300e-003	0.0687	1.9000e-004	0.0212	1.3000e-004	0.0214	5.6400e-003	1.2000e-004	5.7700e-003	0.0000	17.1540	17.1540	5.2000e-004	0.0000	17.1670
<b>Total</b>	<b>0.0114</b>	<b>0.0828</b>	<b>0.0907</b>	<b>3.5000e-004</b>	<b>0.0248</b>	<b>3.4000e-004</b>	<b>0.0252</b>	<b>6.6700e-003</b>	<b>3.2000e-004</b>	<b>7.0100e-003</b>	<b>0.0000</b>	<b>32.2138</b>	<b>32.2138</b>	<b>1.4100e-003</b>	<b>0.0000</b>	<b>32.2490</b>

**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	0.0336	0.1454	1.2803	2.7400e-003		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	240.7600	240.7600	0.0779	0.0000	242.7066
<b>Total</b>	<b>0.0336</b>	<b>0.1454</b>	<b>1.2803</b>	<b>2.7400e-003</b>		<b>4.4700e-003</b>	<b>4.4700e-003</b>		<b>4.4700e-003</b>	<b>4.4700e-003</b>	<b>0.0000</b>	<b>240.7600</b>	<b>240.7600</b>	<b>0.0779</b>	<b>0.0000</b>	<b>242.7066</b>

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**3.34 70kV Power Line Pole Tower Install - 2021**

**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	2.4000e-003	0.0750	0.0220	1.6000e-004	3.5800e-003	2.1000e-004	3.7900e-003	1.0300e-003	2.0000e-004	1.2400e-003	0.0000	15.0598	15.0598	8.9000e-004	0.0000	15.0820
Worker	8.9900e-003	7.8300e-003	0.0687	1.9000e-004	0.0212	1.3000e-004	0.0214	5.6400e-003	1.2000e-004	5.7700e-003	0.0000	17.1540	17.1540	5.2000e-004	0.0000	17.1670
<b>Total</b>	<b>0.0114</b>	<b>0.0828</b>	<b>0.0907</b>	<b>3.5000e-004</b>	<b>0.0248</b>	<b>3.4000e-004</b>	<b>0.0252</b>	<b>6.6700e-003</b>	<b>3.2000e-004</b>	<b>7.0100e-003</b>	<b>0.0000</b>	<b>32.2138</b>	<b>32.2138</b>	<b>1.4100e-003</b>	<b>0.0000</b>	<b>32.2490</b>

**3.34 70kV Power Line Pole Tower Install - 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	0.1001	0.8106	0.6798	2.3800e-003		0.0313	0.0313		0.0288	0.0288	0.0000	208.7416	208.7416	0.0675	0.0000	210.4293
<b>Total</b>	<b>0.1001</b>	<b>0.8106</b>	<b>0.6798</b>	<b>2.3800e-003</b>		<b>0.0313</b>	<b>0.0313</b>		<b>0.0288</b>	<b>0.0288</b>	<b>0.0000</b>	<b>208.7416</b>	<b>208.7416</b>	<b>0.0675</b>	<b>0.0000</b>	<b>210.4293</b>

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**3.34 70kV Power Line Pole Tower Install - 2022**

**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	1.9200e-003	0.0617	0.0176	1.3000e-004	3.1000e-003	1.6000e-004	3.2600e-003	9.0000e-004	1.6000e-004	1.0500e-003	0.0000	12.9629	12.9629	7.6000e-004	0.0000	12.9819
Worker	7.3100e-003	6.1000e-003	0.0546	1.6000e-004	0.0184	1.1000e-004	0.0185	4.8900e-003	1.0000e-004	4.9900e-003	0.0000	14.3354	14.3354	4.0000e-004	0.0000	14.3455
<b>Total</b>	<b>9.2300e-003</b>	<b>0.0678</b>	<b>0.0721</b>	<b>2.9000e-004</b>	<b>0.0215</b>	<b>2.7000e-004</b>	<b>0.0218</b>	<b>5.7900e-003</b>	<b>2.6000e-004</b>	<b>6.0400e-003</b>	<b>0.0000</b>	<b>27.2983</b>	<b>27.2983</b>	<b>1.1600e-003</b>	<b>0.0000</b>	<b>27.3274</b>

**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	0.0291	0.1260	1.1096	2.3800e-003		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003	0.0000	208.7413	208.7413	0.0675	0.0000	210.4291
<b>Total</b>	<b>0.0291</b>	<b>0.1260</b>	<b>1.1096</b>	<b>2.3800e-003</b>		<b>3.8800e-003</b>	<b>3.8800e-003</b>		<b>3.8800e-003</b>	<b>3.8800e-003</b>	<b>0.0000</b>	<b>208.7413</b>	<b>208.7413</b>	<b>0.0675</b>	<b>0.0000</b>	<b>210.4291</b>

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**3.34 70kV Power Line Pole Tower Install - 2022**

**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	1.9200e-003	0.0617	0.0176	1.3000e-004	3.1000e-003	1.6000e-004	3.2600e-003	9.0000e-004	1.6000e-004	1.0500e-003	0.0000	12.9629	12.9629	7.6000e-004	0.0000	12.9819
Worker	7.3100e-003	6.1000e-003	0.0546	1.6000e-004	0.0184	1.1000e-004	0.0185	4.8900e-003	1.0000e-004	4.9900e-003	0.0000	14.3354	14.3354	4.0000e-004	0.0000	14.3455
<b>Total</b>	<b>9.2300e-003</b>	<b>0.0678</b>	<b>0.0721</b>	<b>2.9000e-004</b>	<b>0.0215</b>	<b>2.7000e-004</b>	<b>0.0218</b>	<b>5.7900e-003</b>	<b>2.6000e-004</b>	<b>6.0400e-003</b>	<b>0.0000</b>	<b>27.2983</b>	<b>27.2983</b>	<b>1.1600e-003</b>	<b>0.0000</b>	<b>27.3274</b>

**3.35 Distribution Facilities 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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9000e-004	0.0101	0.0134	2.0000e-005		5.4000e-004	5.4000e-004		5.0000e-004	5.0000e-004	0.0000	1.6397	1.6397	5.3000e-004	0.0000	1.6529
<b>Total</b>	<b>9.9000e-004</b>	<b>0.0101</b>	<b>0.0134</b>	<b>2.0000e-005</b>	<b>3.1800e-003</b>	<b>5.4000e-004</b>	<b>3.7200e-003</b>	<b>3.4000e-004</b>	<b>5.0000e-004</b>	<b>8.4000e-004</b>	<b>0.0000</b>	<b>1.6397</b>	<b>1.6397</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6529</b>

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**3.35 Distribution Facilities Mobilization - 2022**

**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	3.2600e-003	9.3000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6838	0.6838	4.0000e-005	0.0000	0.6848
Worker	2.8000e-004	2.3000e-004	2.0600e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5401	0.5401	2.0000e-005	0.0000	0.5405
<b>Total</b>	<b>3.8000e-004</b>	<b>3.4900e-003</b>	<b>2.9900e-003</b>	<b>2.0000e-005</b>	<b>8.5000e-004</b>	<b>1.0000e-005</b>	<b>8.7000e-004</b>	<b>2.3000e-004</b>	<b>1.0000e-005</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>1.2239</b>	<b>1.2239</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.2253</b>

**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					1.4300e-003	0.0000	1.4300e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3000e-004	9.9000e-004	0.0141	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.6397	1.6397	5.3000e-004	0.0000	1.6529
<b>Total</b>	<b>2.3000e-004</b>	<b>9.9000e-004</b>	<b>0.0141</b>	<b>2.0000e-005</b>	<b>1.4300e-003</b>	<b>3.0000e-005</b>	<b>1.4600e-003</b>	<b>1.5000e-004</b>	<b>3.0000e-005</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>1.6397</b>	<b>1.6397</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6529</b>

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**3.35 Distribution Facilities Mobilization - 2022**

**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	3.2600e-003	9.3000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6838	0.6838	4.0000e-005	0.0000	0.6848
Worker	2.8000e-004	2.3000e-004	2.0600e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5401	0.5401	2.0000e-005	0.0000	0.5405
<b>Total</b>	<b>3.8000e-004</b>	<b>3.4900e-003</b>	<b>2.9900e-003</b>	<b>2.0000e-005</b>	<b>8.5000e-004</b>	<b>1.0000e-005</b>	<b>8.7000e-004</b>	<b>2.3000e-004</b>	<b>1.0000e-005</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>1.2239</b>	<b>1.2239</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.2253</b>

**3.36 Distribution 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	9.9000e-004	0.0101	0.0134	2.0000e-005		5.4000e-004	5.4000e-004		5.0000e-004	5.0000e-004	0.0000	1.6397	1.6397	5.3000e-004	0.0000	1.6529
<b>Total</b>	<b>9.9000e-004</b>	<b>0.0101</b>	<b>0.0134</b>	<b>2.0000e-005</b>		<b>5.4000e-004</b>	<b>5.4000e-004</b>		<b>5.0000e-004</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.6397</b>	<b>1.6397</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6529</b>

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**3.36 Distribution Foundation Construction - 2022**

**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-004	6.5100e-003	1.8500e-003	1.0000e-005	3.3000e-004	2.0000e-005	3.4000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.3675	1.3675	8.0000e-005	0.0000	1.3695
Worker	1.1000e-003	9.2000e-004	8.2200e-003	2.0000e-005	2.7700e-003	2.0000e-005	2.7900e-003	7.4000e-004	2.0000e-005	7.5000e-004	0.0000	2.1604	2.1604	6.0000e-005	0.0000	2.1620
<b>Total</b>	<b>1.3000e-003</b>	<b>7.4300e-003</b>	<b>0.0101</b>	<b>3.0000e-005</b>	<b>3.1000e-003</b>	<b>4.0000e-005</b>	<b>3.1300e-003</b>	<b>8.3000e-004</b>	<b>4.0000e-005</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>3.5280</b>	<b>3.5280</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>3.5315</b>

**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	2.3000e-004	9.9000e-004	0.0141	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.6397	1.6397	5.3000e-004	0.0000	1.6529
<b>Total</b>	<b>2.3000e-004</b>	<b>9.9000e-004</b>	<b>0.0141</b>	<b>2.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.6397</b>	<b>1.6397</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6529</b>



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**3.36 Distribution Foundation Construction - 2022**

**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-004	6.5100e-003	1.8500e-003	1.0000e-005	3.3000e-004	2.0000e-005	3.4000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.3675	1.3675	8.0000e-005	0.0000	1.3695
Worker	1.1000e-003	9.2000e-004	8.2200e-003	2.0000e-005	2.7700e-003	2.0000e-005	2.7900e-003	7.4000e-004	2.0000e-005	7.5000e-004	0.0000	2.1604	2.1604	6.0000e-005	0.0000	2.1620
<b>Total</b>	<b>1.3000e-003</b>	<b>7.4300e-003</b>	<b>0.0101</b>	<b>3.0000e-005</b>	<b>3.1000e-003</b>	<b>4.0000e-005</b>	<b>3.1300e-003</b>	<b>8.3000e-004</b>	<b>4.0000e-005</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>3.5280</b>	<b>3.5280</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>3.5315</b>

**3.37 Distribution Ground Grid - 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	8.4000e-004	9.4100e-003	4.2600e-003	1.0000e-005		3.9000e-004	3.9000e-004		3.6000e-004	3.6000e-004	0.0000	1.1407	1.1407	3.7000e-004	0.0000	1.1499
<b>Total</b>	<b>8.4000e-004</b>	<b>9.4100e-003</b>	<b>4.2600e-003</b>	<b>1.0000e-005</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>1.1407</b>	<b>1.1407</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.1499</b>

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**3.37 Distribution Ground Grid - 2022**

**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	1.4000e-004	4.3400e-003	1.2400e-003	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.9117	0.9117	5.0000e-005	0.0000	0.9130
Worker	9.2000e-004	7.7000e-004	6.8500e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3200e-003	6.1000e-004	1.0000e-005	6.3000e-004	0.0000	1.8004	1.8004	5.0000e-005	0.0000	1.8016
<b>Total</b>	<b>1.0600e-003</b>	<b>5.1100e-003</b>	<b>8.0900e-003</b>	<b>3.0000e-005</b>	<b>2.5300e-003</b>	<b>2.0000e-005</b>	<b>2.5500e-003</b>	<b>6.7000e-004</b>	<b>2.0000e-005</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>2.7120</b>	<b>2.7120</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>2.7146</b>

**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	1.6000e-004	6.9000e-004	5.8500e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.1407	1.1407	3.7000e-004	0.0000	1.1499
<b>Total</b>	<b>1.6000e-004</b>	<b>6.9000e-004</b>	<b>5.8500e-003</b>	<b>1.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>1.1407</b>	<b>1.1407</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.1499</b>





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**3.38 Distribution Steel Bus Erection - 2022**

**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	3.2600e-003	9.3000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6838	0.6838	4.0000e-005	0.0000	0.6848
Worker	4.6000e-004	3.8000e-004	3.4300e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9002	0.9002	3.0000e-005	0.0000	0.9008
<b>Total</b>	<b>5.6000e-004</b>	<b>3.6400e-003</b>	<b>4.3600e-003</b>	<b>2.0000e-005</b>	<b>1.3200e-003</b>	<b>2.0000e-005</b>	<b>1.3300e-003</b>	<b>3.6000e-004</b>	<b>2.0000e-005</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.5839</b>	<b>1.5839</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.5856</b>

**3.39 Distribution Bank Breaker - 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	8.4000e-004	9.4100e-003	4.2600e-003	1.0000e-005		3.9000e-004	3.9000e-004		3.6000e-004	3.6000e-004	0.0000	1.1407	1.1407	3.7000e-004	0.0000	1.1499
<b>Total</b>	<b>8.4000e-004</b>	<b>9.4100e-003</b>	<b>4.2600e-003</b>	<b>1.0000e-005</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>1.1407</b>	<b>1.1407</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.1499</b>

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**3.39 Distribution Bank Breaker - 2022**

**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	5.0000e-005	1.6300e-003	4.6000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3419	0.3419	2.0000e-005	0.0000	0.3424
Worker	3.4000e-004	2.9000e-004	2.5700e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6751	0.6751	2.0000e-005	0.0000	0.6756
<b>Total</b>	<b>3.9000e-004</b>	<b>1.9200e-003</b>	<b>3.0300e-003</b>	<b>1.0000e-005</b>	<b>9.5000e-004</b>	<b>1.0000e-005</b>	<b>9.6000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>1.0170</b>	<b>1.0170</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.0180</b>

**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	1.6000e-004	6.9000e-004	5.8500e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.1407	1.1407	3.7000e-004	0.0000	1.1499
<b>Total</b>	<b>1.6000e-004</b>	<b>6.9000e-004</b>	<b>5.8500e-003</b>	<b>1.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>1.1407</b>	<b>1.1407</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.1499</b>

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**3.39 Distribution Bank Breaker - 2022**

**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	5.0000e-005	1.6300e-003	4.6000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3419	0.3419	2.0000e-005	0.0000	0.3424
Worker	3.4000e-004	2.9000e-004	2.5700e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6751	0.6751	2.0000e-005	0.0000	0.6756
<b>Total</b>	<b>3.9000e-004</b>	<b>1.9200e-003</b>	<b>3.0300e-003</b>	<b>1.0000e-005</b>	<b>9.5000e-004</b>	<b>1.0000e-005</b>	<b>9.6000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>1.0170</b>	<b>1.0170</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.0180</b>

**3.40 Distribution Feeder Conduit - 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	9.9900e-003	0.0772	0.0670	2.5000e-004		2.8900e-003	2.8900e-003		2.6600e-003	2.6600e-003	0.0000	21.6843	21.6843	7.0100e-003	0.0000	21.8596
<b>Total</b>	<b>9.9900e-003</b>	<b>0.0772</b>	<b>0.0670</b>	<b>2.5000e-004</b>		<b>2.8900e-003</b>	<b>2.8900e-003</b>		<b>2.6600e-003</b>	<b>2.6600e-003</b>	<b>0.0000</b>	<b>21.6843</b>	<b>21.6843</b>	<b>7.0100e-003</b>	<b>0.0000</b>	<b>21.8596</b>

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**3.40 Distribution Feeder Conduit - 2022**

**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	1.5000e-004	4.8800e-003	1.3900e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.0256	1.0256	6.0000e-005	0.0000	1.0271
Worker	1.1000e-003	9.2000e-004	8.2200e-003	2.0000e-005	2.7700e-003	2.0000e-005	2.7900e-003	7.4000e-004	2.0000e-005	7.5000e-004	0.0000	2.1604	2.1604	6.0000e-005	0.0000	2.1620
<b>Total</b>	<b>1.2500e-003</b>	<b>5.8000e-003</b>	<b>9.6100e-003</b>	<b>3.0000e-005</b>	<b>3.0200e-003</b>	<b>3.0000e-005</b>	<b>3.0500e-003</b>	<b>8.1000e-004</b>	<b>3.0000e-005</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>3.1861</b>	<b>3.1861</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>3.1891</b>

**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	3.0200e-003	0.0131	0.1135	2.5000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	21.6843	21.6843	7.0100e-003	0.0000	21.8596
<b>Total</b>	<b>3.0200e-003</b>	<b>0.0131</b>	<b>0.1135</b>	<b>2.5000e-004</b>		<b>4.0000e-004</b>	<b>4.0000e-004</b>		<b>4.0000e-004</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>21.6843</b>	<b>21.6843</b>	<b>7.0100e-003</b>	<b>0.0000</b>	<b>21.8596</b>



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**3.40 Distribution Feeder Conduit - 2022**

**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	1.5000e-004	4.8800e-003	1.3900e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.0256	1.0256	6.0000e-005	0.0000	1.0271
Worker	1.1000e-003	9.2000e-004	8.2200e-003	2.0000e-005	2.7700e-003	2.0000e-005	2.7900e-003	7.4000e-004	2.0000e-005	7.5000e-004	0.0000	2.1604	2.1604	6.0000e-005	0.0000	2.1620
<b>Total</b>	<b>1.2500e-003</b>	<b>5.8000e-003</b>	<b>9.6100e-003</b>	<b>3.0000e-005</b>	<b>3.0200e-003</b>	<b>3.0000e-005</b>	<b>3.0500e-003</b>	<b>8.1000e-004</b>	<b>3.0000e-005</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>3.1861</b>	<b>3.1861</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>3.1891</b>

**3.41 Distribution Cable Install - 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	1.9800e-003	0.0201	0.0269	4.0000e-005		1.0800e-003	1.0800e-003		9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059
<b>Total</b>	<b>1.9800e-003</b>	<b>0.0201</b>	<b>0.0269</b>	<b>4.0000e-005</b>		<b>1.0800e-003</b>	<b>1.0800e-003</b>		<b>9.9000e-004</b>	<b>9.9000e-004</b>	<b>0.0000</b>	<b>3.2794</b>	<b>3.2794</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>3.3059</b>

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**3.41 Distribution Cable Install - 2022**

**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	3.2600e-003	9.3000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6838	0.6838	4.0000e-005	0.0000	0.6848
Worker	4.6000e-004	3.8000e-004	3.4300e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9002	0.9002	3.0000e-005	0.0000	0.9008
<b>Total</b>	<b>5.6000e-004</b>	<b>3.6400e-003</b>	<b>4.3600e-003</b>	<b>2.0000e-005</b>	<b>1.3200e-003</b>	<b>2.0000e-005</b>	<b>1.3300e-003</b>	<b>3.6000e-004</b>	<b>2.0000e-005</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.5839</b>	<b>1.5839</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.5856</b>

**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	4.6000e-004	1.9700e-003	0.0281	4.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059
<b>Total</b>	<b>4.6000e-004</b>	<b>1.9700e-003</b>	<b>0.0281</b>	<b>4.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>3.2794</b>	<b>3.2794</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>3.3059</b>





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**3.42 Distribution Testing - 2022**

**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-005	1.0900e-003	3.1000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2279	0.2279	1.0000e-005	0.0000	0.2283
Worker	2.8000e-004	2.3000e-004	2.0600e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5401	0.5401	2.0000e-005	0.0000	0.5405
<b>Total</b>	<b>3.1000e-004</b>	<b>1.3200e-003</b>	<b>2.3700e-003</b>	<b>1.0000e-005</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>7.6000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.7680</b>	<b>0.7680</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7687</b>

**3.43 Distribution Cleanup Restore - 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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9000e-004	5.0300e-003	6.7100e-003	1.0000e-005		2.7000e-004	2.7000e-004		2.5000e-004	2.5000e-004	0.0000	0.8198	0.8198	2.7000e-004	0.0000	0.8265
<b>Total</b>	<b>4.9000e-004</b>	<b>5.0300e-003</b>	<b>6.7100e-003</b>	<b>1.0000e-005</b>	<b>3.1800e-003</b>	<b>2.7000e-004</b>	<b>3.4500e-003</b>	<b>3.4000e-004</b>	<b>2.5000e-004</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>0.8198</b>	<b>0.8198</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8265</b>

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**3.43 Distribution Cleanup Restore - 2022**

**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	3.2600e-003	9.3000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6838	0.6838	4.0000e-005	0.0000	0.6848
Worker	1.4000e-004	1.2000e-004	1.0300e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2701	0.2701	1.0000e-005	0.0000	0.2702
<b>Total</b>	<b>2.4000e-004</b>	<b>3.3800e-003</b>	<b>1.9600e-003</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>1.0000e-005</b>	<b>5.2000e-004</b>	<b>1.4000e-004</b>	<b>1.0000e-005</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.9538</b>	<b>0.9538</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.9550</b>

**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					1.4300e-003	0.0000	1.4300e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1000e-004	4.9000e-004	7.0300e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.8198	0.8198	2.7000e-004	0.0000	0.8265
<b>Total</b>	<b>1.1000e-004</b>	<b>4.9000e-004</b>	<b>7.0300e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>2.0000e-005</b>	<b>1.4500e-003</b>	<b>1.5000e-004</b>	<b>2.0000e-005</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.8198</b>	<b>0.8198</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8265</b>

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**3.43 Distribution Cleanup Restore - 2022**

**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	3.2600e-003	9.3000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6838	0.6838	4.0000e-005	0.0000	0.6848
Worker	1.4000e-004	1.2000e-004	1.0300e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2701	0.2701	1.0000e-005	0.0000	0.2702
<b>Total</b>	<b>2.4000e-004</b>	<b>3.3800e-003</b>	<b>1.9600e-003</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>1.0000e-005</b>	<b>5.2000e-004</b>	<b>1.4000e-004</b>	<b>1.0000e-005</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.9538</b>	<b>0.9538</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.9550</b>

**3.44 70kV Power Line Conductor Install - 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	0.0625	0.5611	0.4039	1.2900e-003		0.0234	0.0234		0.0216	0.0216	0.0000	113.2627	113.2627	0.0366	0.0000	114.1785
<b>Total</b>	<b>0.0625</b>	<b>0.5611</b>	<b>0.4039</b>	<b>1.2900e-003</b>		<b>0.0234</b>	<b>0.0234</b>		<b>0.0216</b>	<b>0.0216</b>	<b>0.0000</b>	<b>113.2627</b>	<b>113.2627</b>	<b>0.0366</b>	<b>0.0000</b>	<b>114.1785</b>

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**3.44 70kV Power Line Conductor Install - 2022**

**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	0.0217	6.1800e-003	5.0000e-005	1.0900e-003	6.0000e-005	1.1500e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	4.5584	4.5584	2.7000e-004	0.0000	4.5651
Worker	3.3100e-003	2.7600e-003	0.0247	7.0000e-005	8.3200e-003	5.0000e-005	8.3700e-003	2.2100e-003	5.0000e-005	2.2600e-003	0.0000	6.4813	6.4813	1.8000e-004	0.0000	6.4859
<b>Total</b>	<b>3.9900e-003</b>	<b>0.0245</b>	<b>0.0309</b>	<b>1.2000e-004</b>	<b>9.4100e-003</b>	<b>1.1000e-004</b>	<b>9.5200e-003</b>	<b>2.5300e-003</b>	<b>1.0000e-004</b>	<b>2.6300e-003</b>	<b>0.0000</b>	<b>11.0397</b>	<b>11.0397</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>11.0509</b>

**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	0.0158	0.0685	0.6123	1.2900e-003		2.1100e-003	2.1100e-003		2.1100e-003	2.1100e-003	0.0000	113.2626	113.2626	0.0366	0.0000	114.1784
<b>Total</b>	<b>0.0158</b>	<b>0.0685</b>	<b>0.6123</b>	<b>1.2900e-003</b>		<b>2.1100e-003</b>	<b>2.1100e-003</b>		<b>2.1100e-003</b>	<b>2.1100e-003</b>	<b>0.0000</b>	<b>113.2626</b>	<b>113.2626</b>	<b>0.0366</b>	<b>0.0000</b>	<b>114.1784</b>



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**3.44 70kV Power Line Conductor Install - 2022**

**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	0.0217	6.1800e-003	5.0000e-005	1.0900e-003	6.0000e-005	1.1500e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	4.5584	4.5584	2.7000e-004	0.0000	4.5651
Worker	3.3100e-003	2.7600e-003	0.0247	7.0000e-005	8.3200e-003	5.0000e-005	8.3700e-003	2.2100e-003	5.0000e-005	2.2600e-003	0.0000	6.4813	6.4813	1.8000e-004	0.0000	6.4859
<b>Total</b>	<b>3.9900e-003</b>	<b>0.0245</b>	<b>0.0309</b>	<b>1.2000e-004</b>	<b>9.4100e-003</b>	<b>1.1000e-004</b>	<b>9.5200e-003</b>	<b>2.5300e-003</b>	<b>1.0000e-004</b>	<b>2.6300e-003</b>	<b>0.0000</b>	<b>11.0397</b>	<b>11.0397</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>11.0509</b>

**3.45 70kV Power Line Cleanup Restore - 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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-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
<b>Total</b>	<b>2.3600e-003</b>	<b>0.0287</b>	<b>0.0145</b>	<b>4.0000e-005</b>	<b>3.1800e-003</b>	<b>1.0200e-003</b>	<b>4.2000e-003</b>	<b>3.4000e-004</b>	<b>9.4000e-004</b>	<b>1.2800e-003</b>	<b>0.0000</b>	<b>3.4378</b>	<b>3.4378</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.4656</b>

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**3.45 70kV Power Line Cleanup Restore - 2022**

**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	3.8000e-003	1.0800e-003	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7977	0.7977	5.0000e-005	0.0000	0.7989
Worker	2.8000e-004	2.3000e-004	2.0600e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5401	0.5401	2.0000e-005	0.0000	0.5405
<b>Total</b>	<b>4.0000e-004</b>	<b>4.0300e-003</b>	<b>3.1400e-003</b>	<b>2.0000e-005</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>9.0000e-004</b>	<b>2.4000e-004</b>	<b>1.0000e-005</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>1.3378</b>	<b>1.3378</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.3394</b>

**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					1.4300e-003	0.0000	1.4300e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	2.0800e-003	0.0204	4.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.4378	3.4378	1.1100e-003	0.0000	3.4655
<b>Total</b>	<b>4.8000e-004</b>	<b>2.0800e-003</b>	<b>0.0204</b>	<b>4.0000e-005</b>	<b>1.4300e-003</b>	<b>6.0000e-005</b>	<b>1.4900e-003</b>	<b>1.5000e-004</b>	<b>6.0000e-005</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>3.4378</b>	<b>3.4378</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.4655</b>

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**3.45 70kV Power Line Cleanup Restore - 2022**

**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	3.8000e-003	1.0800e-003	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7977	0.7977	5.0000e-005	0.0000	0.7989
Worker	2.8000e-004	2.3000e-004	2.0600e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5401	0.5401	2.0000e-005	0.0000	0.5405
<b>Total</b>	<b>4.0000e-004</b>	<b>4.0300e-003</b>	<b>3.1400e-003</b>	<b>2.0000e-005</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>9.0000e-004</b>	<b>2.4000e-004</b>	<b>1.0000e-005</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>1.3378</b>	<b>1.3378</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.3394</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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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
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	13.00	5.00	5.00	59.00	28.00	13.00	79	19	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N



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**5.2 Energy by Land Use - Natural Gas**

**Mitigated**

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	20.3125	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
Unmitigated	20.3125	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005

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**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	20.3125					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
<b>Total</b>	<b>20.3125</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	20.3125					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
<b>Total</b>	<b>20.3125</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

**7.0 Water Detail**



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**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**CalEEMod Output Files for Proposed Project (Quarterly Diesel  
Particulate Matter Calculations)**

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

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	119.40	5,201,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.2	<b>Precipitation Freq (Days)</b>	44
<b>Climate Zone</b>	3			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

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Project Characteristics -

Land Use - Current Temp. Disturbance Area Total from Project Description

Construction Phase - Dates entered based on the specific number of days from the PEA CALEEMOD input file, with consideration of the specific months during which construction is likely to occur as indicated in the Project Description of the EIR.

Off-road Equipment - Based on values in PEA and Project Description

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

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Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description.

Off-road Equipment - Values based on PEA and Project Description. Helicopter emissions modeled outside of CalEEMod and not included here.

Off-road Equipment - Values based on PEA and Project Description. Helicopter emissions calculated separately and not included here.

Trips and VMT - Values based on PEA and Project Description

Grading - Waiting on temp. disturbance area and material import/export values for some phases

Area Coating - No Architectural Coating

Water And Wastewater - No Water Use

Construction Off-road Equipment Mitigation - Change to assume all equipment Tier 4 final.





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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblTripsAndVMT	VendorTripNumber	852.00	2.00
tblTripsAndVMT	VendorTripNumber	852.00	16.00
tblTripsAndVMT	VendorTripNumber	852.00	28.00
tblTripsAndVMT	VendorTripNumber	852.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	852.00	26.00
tblTripsAndVMT	VendorTripNumber	852.00	10.00
tblTripsAndVMT	VendorTripNumber	852.00	29.00
tblTripsAndVMT	VendorTripNumber	852.00	11.00
tblTripsAndVMT	VendorTripNumber	852.00	12.00
tblTripsAndVMT	VendorTripNumber	852.00	2.00
tblTripsAndVMT	VendorTripNumber	852.00	30.00
tblTripsAndVMT	VendorTripNumber	852.00	45.00
tblTripsAndVMT	VendorTripNumber	852.00	3.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	40.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	16.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	12.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	12.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	8.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	8.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	30.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	30.00

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tblTripsAndVMT	WorkerTripNumber	2,184.00	12.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	16.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblVehicleTrips	CC_TTP	0.00	28.00
tblVehicleTrips	CNW_TTP	0.00	13.00
tblVehicleTrips	CW_TTP	0.00	59.00
tblVehicleTrips	DV_TP	0.00	19.00
tblVehicleTrips	PB_TP	0.00	2.00
tblVehicleTrips	PR_TP	0.00	79.00

## 2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
2	4-1-2021	6-30-2021	3.7852	0.7952
		Highest	3.7852	0.7952

**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	20.3125	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
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
<b>Total</b>	<b>20.3125</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

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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	20.3125	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
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
<b>Total</b>	<b>20.3125</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

	ROG	NOx	CO	SO2	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**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Reconductoring Pole Install	Building Construction	4/1/2021	6/30/2021	6	78	Reconductor Pole Install
2	Reconductoring Conductor Install	Building Construction	4/1/2021	6/30/2021	6	78	Reconductor Conductor Install
3	230kV Sub Ground Grid	Building Construction	4/1/2021	4/6/2021	6	5	230 Sub Ground Grid
4	230kV Transmission Conductor	Building Construction	4/1/2021	4/28/2021	6	24	230 TRANS Conductor
5	70 kV Substation Equip Delivery	Building Construction	4/1/2021	4/21/2021	6	18	70 Sub Equip Delivery
6	70kV Substation Control Enclosure	Building Construction	4/1/2021	4/7/2021	6	6	70 Sub Control Enclosure
7	230kV Sub Steel Bus	Building Construction	4/2/2021	4/29/2021	6	24	230 Sub Steel Bus
8	230kV Sub Install Yard Rock	Building Construction	4/16/2021	5/6/2021	6	18	230 Sub Install Yard Rock
9	70kV Substation Cable Installation	Building Construction	4/22/2021	5/12/2021	6	18	70 Sub Cable Install
10	230kV Sub Transformer	Building Construction	4/23/2021	5/27/2021	6	30	230 Sub Transformer
11	230kV Transmission Cleanup Restore	Site Preparation	5/1/2021	5/7/2021	6	6	230 TRANS Cleanup Restore
12	230kV Sub Control Enclosure Delivery	Building Construction	5/1/2021	5/14/2021	6	12	230 Sub Control Enclosure
13	70kV Substation Install Yard Rock	Building Construction	5/1/2021	5/14/2021	6	12	70 Sub Install Yard Rock
14	230kV Sub Remaining Equipment Delivery	Building Construction	5/8/2021	6/4/2021	6	24	230 Sub Remaining Equipment
15	70kV Substation Cleanup Restore	Site Preparation	5/15/2021	5/28/2021	6	12	70 Sub Cleanup Restore
16	230kV Sub Cable Install Termination	Building Construction	5/22/2021	6/4/2021	6	12	230 Sub Cable Install Term
17	70kV Substation Testing Commissioning	Site Preparation	6/1/2021	6/21/2021	6	18	70 Sub Testing Commissioning
18	230kV Sub Testing and Commissioning	Building Construction	6/1/2021	6/30/2021	6	26	230 Sub Testing

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)

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**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Reconductoring Pole Install	Bore/Drill Rigs	1	6.00	221	0.50
Reconductoring Pole Install	Cranes	3	6.00	231	0.29
Reconductoring Pole Install	Cranes	1	1.00	231	0.29
Reconductoring Pole Install	Forklifts	0	8.00	89	0.20
Reconductoring Pole Install	Generator Sets	0	8.00	84	0.74
Reconductoring Pole Install	Off-Highway Trucks	2	3.00	402	0.38
Reconductoring Pole Install	Off-Highway Trucks	2	2.00	402	0.38
Reconductoring Pole Install	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Reconductoring Pole Install	Welders	0	8.00	46	0.45
Reconductoring Conductor Install	Cranes	2	8.00	231	0.29
Reconductoring Conductor Install	Forklifts	1	3.00	89	0.20
Reconductoring Conductor Install	Generator Sets	0	8.00	84	0.74
Reconductoring Conductor Install	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	2	6.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	2	4.00	402	0.38
Reconductoring Conductor Install	Off-Highway Trucks	1	6.00	402	0.38
Reconductoring Conductor Install	Other General Industrial Equipment	2	6.00	88	0.34
Reconductoring Conductor Install	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Reconductoring Conductor Install	Welders	0	8.00	46	0.45
230kV Sub Ground Grid	Cranes	0	7.00	231	0.29
230kV Sub Ground Grid	Forklifts	0	6.00	89	0.20
230kV Sub Ground Grid	Generator Sets	0	8.00	84	0.74
230kV Sub Ground Grid	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Ground Grid	Trenchers	1	8.00	78	0.50

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230kV Sub Ground Grid	Welders	0	8.00	46	0.45
230kV Transmission Conductor	Cranes	3	6.00	231	0.29
230kV Transmission Conductor	Forklifts	0	8.00	89	0.20
230kV Transmission Conductor	Generator Sets	0	8.00	84	0.74
230kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
230kV Transmission Conductor	Off-Highway Trucks	2	4.00	402	0.38
230kV Transmission Conductor	Tractors/Loaders/Backhoes	0	7.00	97	0.37
230kV Transmission Conductor	Welders	0	8.00	46	0.45
70 kV Substation Equip Delivery	Aerial Lifts	2	4.00	63	0.31
70 kV Substation Equip Delivery	Cranes	0	7.00	231	0.29
70 kV Substation Equip Delivery	Forklifts	0	8.00	89	0.20
70 kV Substation Equip Delivery	Generator Sets	0	8.00	84	0.74
70 kV Substation Equip Delivery	Off-Highway Trucks	1	5.30	402	0.38
70 kV Substation Equip Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70 kV Substation Equip Delivery	Welders	0	8.00	46	0.45
70kV Substation Control Enclosure	Cranes	0	4.00	231	0.29
70kV Substation Control Enclosure	Forklifts	0	6.00	89	0.20
70kV Substation Control Enclosure	Generator Sets	0	8.00	84	0.74
70kV Substation Control Enclosure	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Control Enclosure	Welders	0	8.00	46	0.45
230kV Sub Steel Bus	Aerial Lifts	1	6.00	63	0.31
230kV Sub Steel Bus	Cranes	0	7.00	231	0.29
230kV Sub Steel Bus	Forklifts	0	8.00	89	0.20
230kV Sub Steel Bus	Generator Sets	0	8.00	84	0.74
230kV Sub Steel Bus	Off-Highway Trucks	1	8.00	402	0.38
230kV Sub Steel Bus	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Steel Bus	Welders	0	8.00	46	0.45



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230kV Sub Install Yard Rock	Cranes	0	4.00	231	0.29
230kV Sub Install Yard Rock	Cranes	0	4.00	231	0.29
230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Forklifts	0	6.00	89	0.20
230kV Sub Install Yard Rock	Generator Sets	0	8.00	84	0.74
230kV Sub Install Yard Rock	Skid Steer Loaders	1	10.00	65	0.37
230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Install Yard Rock	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Install Yard Rock	Welders	0	8.00	46	0.45
70kV Substation Cable Installation	Cranes	0	4.00	231	0.29
70kV Substation Cable Installation	Forklifts	0	6.00	89	0.20
70kV Substation Cable Installation	Generator Sets	0	8.00	84	0.74
70kV Substation Cable Installation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
70kV Substation Cable Installation	Welders	0	8.00	46	0.45
230kV Sub Transformer	Cranes	1	6.00	231	0.29
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Forklifts	0	6.00	89	0.20
230kV Sub Transformer	Generator Sets	1	5.00	84	0.74
230kV Sub Transformer	Off-Highway Trucks	2	10.00	402	0.38
230kV Sub Transformer	Off-Highway Trucks	1	4.80	402	0.38
230kV Sub Transformer	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37

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230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Transformer	Welders	0	8.00	46	0.45
230kV Transmission Cleanup Restore	Graders	1	8.00	187	0.41
230kV Transmission Cleanup Restore	Rubber Tired Dozers	0	8.00	247	0.40
230kV Transmission Cleanup Restore	Tractors/Loaders/Backhoes	1	4.00	97	0.37
230kV Sub Control Enclosure Delivery	Cranes	1	6.00	231	0.29
230kV Sub Control Enclosure Delivery	Forklifts	0	6.00	89	0.20
230kV Sub Control Enclosure Delivery	Generator Sets	0	8.00	84	0.74
230kV Sub Control Enclosure Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Control Enclosure Delivery	Welders	0	8.00	46	0.45
70kV Substation Install Yard Rock	Cranes	0	7.00	231	0.29
70kV Substation Install Yard Rock	Forklifts	0	6.00	89	0.20
70kV Substation Install Yard Rock	Generator Sets	0	8.00	84	0.74
70kV Substation Install Yard Rock	Skid Steer Loaders	1	8.00	231	0.29
70kV Substation Install Yard Rock	Tractors/Loaders/Backhoes	1	8.00	97	0.37
70kV Substation Install Yard Rock	Welders	0	8.00	46	0.45
230kV Sub Remaining Equipment Delivery	Cranes	0	7.00	231	0.29
230kV Sub Remaining Equipment Delivery	Forklifts	0	6.00	89	0.20
230kV Sub Remaining Equipment Delivery	Generator Sets	0	8.00	84	0.74
230kV Sub Remaining Equipment Delivery	Off-Highway Trucks	1	6.00	402	0.38
230kV Sub Remaining Equipment Delivery	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Remaining Equipment Delivery	Welders	0	8.00	46	0.45
70kV Substation Cleanup Restore	Graders	0	8.00	187	0.41
70kV Substation Cleanup Restore	Rubber Tired Dozers	0	8.00	247	0.40
70kV Substation Cleanup Restore	Tractors/Loaders/Backhoes	0	8.00	97	0.37

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230kV Sub Cable Install Termination	Aerial Lifts	1	8.00	63	0.31
230kV Sub Cable Install Termination	Cranes	0	7.00	231	0.29
230kV Sub Cable Install Termination	Forklifts	0	6.00	89	0.20
230kV Sub Cable Install Termination	Generator Sets	0	8.00	84	0.74
230kV Sub Cable Install Termination	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Cable Install Termination	Welders	0	8.00	46	0.45
70kV Substation Testing Commissioning	Graders	0	8.00	187	0.41
70kV Substation Testing Commissioning	Rubber Tired Dozers	0	8.00	247	0.40
70kV Substation Testing Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Cement and Mortar Mixers	0	6.00	9	0.56
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Cranes	0	4.00	231	0.29
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Forklifts	0	6.00	89	0.20
230kV Sub Testing and Commissioning	Generator Sets	0	8.00	84	0.74
230kV Sub Testing and Commissioning	Pavers	0	7.00	130	0.42
230kV Sub Testing and Commissioning	Rollers	0	7.00	80	0.38
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	7.00	97	0.37
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
230kV Sub Testing and Commissioning	Welders	0	8.00	46	0.45

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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
Reconductoring Pole Install	9	40.00	13.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Reconductoring Conductor Install	12	30.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Ground Grid	1	10.00	29.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Conductor	7	30.00	11.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70 kV Substation Eruin Delivery	3	12.00	12.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Control Enclosure	0	10.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Steel Bus	2	10.00	30.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Install Yard Rock	1	16.00	45.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Cable Installation	0	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Transformer	6	16.00	30.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Transmission Cleanup Restore	2	10.00	9.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Control Enclosure Delivery	1	12.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Install Yard Rock	2	12.00	16.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Remaining Equipment Delivery	1	10.00	28.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Cleanup Restore	0	8.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Cable Install Termination	1	10.00	3.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
70kV Substation Testing Commissioning	0	8.00	2.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
230kV Sub Testing and Commissioning	0	10.00	26.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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**3.2 Reconductoring Pole Install - 2021**

**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	0.0753	0.7942	0.4200	1.4500e-003		0.0303	0.0303		0.0279	0.0279	0.0000	127.6944	127.6944	0.0413	0.0000	128.7269
<b>Total</b>	<b>0.0753</b>	<b>0.7942</b>	<b>0.4200</b>	<b>1.4500e-003</b>		<b>0.0303</b>	<b>0.0303</b>		<b>0.0279</b>	<b>0.0279</b>	<b>0.0000</b>	<b>127.6944</b>	<b>127.6944</b>	<b>0.0413</b>	<b>0.0000</b>	<b>128.7269</b>

**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	1.5500e-003	0.0483	0.0141	1.0000e-004	2.3000e-003	1.4000e-004	2.4400e-003	6.7000e-004	1.3000e-004	8.0000e-004	0.0000	9.6956	9.6956	5.7000e-004	0.0000	9.7099
Worker	6.3600e-003	5.5400e-003	0.0486	1.3000e-004	0.0150	1.0000e-004	0.0151	3.9900e-003	9.0000e-005	4.0800e-003	0.0000	12.1362	12.1362	3.7000e-004	0.0000	12.1454
<b>Total</b>	<b>7.9100e-003</b>	<b>0.0538</b>	<b>0.0628</b>	<b>2.3000e-004</b>	<b>0.0173</b>	<b>2.4000e-004</b>	<b>0.0176</b>	<b>4.6600e-003</b>	<b>2.2000e-004</b>	<b>4.8800e-003</b>	<b>0.0000</b>	<b>21.8318</b>	<b>21.8318</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>21.8553</b>

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**3.2 Reconductoring Pole Install - 2021**

**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	0.0179	0.0774	0.6551	1.4500e-003		2.3800e-003	2.3800e-003		2.3800e-003	2.3800e-003	0.0000	127.6943	127.6943	0.0413	0.0000	128.7267
<b>Total</b>	<b>0.0179</b>	<b>0.0774</b>	<b>0.6551</b>	<b>1.4500e-003</b>		<b>2.3800e-003</b>	<b>2.3800e-003</b>		<b>2.3800e-003</b>	<b>2.3800e-003</b>	<b>0.0000</b>	<b>127.6943</b>	<b>127.6943</b>	<b>0.0413</b>	<b>0.0000</b>	<b>128.7267</b>

**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	1.5500e-003	0.0483	0.0141	1.0000e-004	2.3000e-003	1.4000e-004	2.4400e-003	6.7000e-004	1.3000e-004	8.0000e-004	0.0000	9.6956	9.6956	5.7000e-004	0.0000	9.7099
Worker	6.3600e-003	5.5400e-003	0.0486	1.3000e-004	0.0150	1.0000e-004	0.0151	3.9900e-003	9.0000e-005	4.0800e-003	0.0000	12.1362	12.1362	3.7000e-004	0.0000	12.1454
<b>Total</b>	<b>7.9100e-003</b>	<b>0.0538</b>	<b>0.0628</b>	<b>2.3000e-004</b>	<b>0.0173</b>	<b>2.4000e-004</b>	<b>0.0176</b>	<b>4.6600e-003</b>	<b>2.2000e-004</b>	<b>4.8800e-003</b>	<b>0.0000</b>	<b>21.8318</b>	<b>21.8318</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>21.8553</b>

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**3.3 Reconductoring Conductor Install - 2021**

**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	0.1588	1.4853	0.9549	3.0700e-003		0.0602	0.0602		0.0554	0.0554	0.0000	269.5264	269.5264	0.0872	0.0000	271.7057
<b>Total</b>	<b>0.1588</b>	<b>1.4853</b>	<b>0.9549</b>	<b>3.0700e-003</b>		<b>0.0602</b>	<b>0.0602</b>		<b>0.0554</b>	<b>0.0554</b>	<b>0.0000</b>	<b>269.5264</b>	<b>269.5264</b>	<b>0.0872</b>	<b>0.0000</b>	<b>271.7057</b>

**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	1.1900e-003	0.0371	0.0109	8.0000e-005	1.7700e-003	1.1000e-004	1.8800e-003	5.1000e-004	1.0000e-004	6.1000e-004	0.0000	7.4582	7.4582	4.4000e-004	0.0000	7.4692
Worker	4.7700e-003	4.1600e-003	0.0365	1.0000e-004	0.0113	7.0000e-005	0.0113	2.9900e-003	7.0000e-005	3.0600e-003	0.0000	9.1021	9.1021	2.8000e-004	0.0000	9.1090
<b>Total</b>	<b>5.9600e-003</b>	<b>0.0413</b>	<b>0.0474</b>	<b>1.8000e-004</b>	<b>0.0130</b>	<b>1.8000e-004</b>	<b>0.0132</b>	<b>3.5000e-003</b>	<b>1.7000e-004</b>	<b>3.6700e-003</b>	<b>0.0000</b>	<b>16.5603</b>	<b>16.5603</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>16.5782</b>

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**3.3 Reconductoring Conductor Install - 2021**

**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	0.0376	0.1630	1.4320	3.0700e-003		5.0100e-003	5.0100e-003		5.0100e-003	5.0100e-003	0.0000	269.5261	269.5261	0.0872	0.0000	271.7054
<b>Total</b>	<b>0.0376</b>	<b>0.1630</b>	<b>1.4320</b>	<b>3.0700e-003</b>		<b>5.0100e-003</b>	<b>5.0100e-003</b>		<b>5.0100e-003</b>	<b>5.0100e-003</b>	<b>0.0000</b>	<b>269.5261</b>	<b>269.5261</b>	<b>0.0872</b>	<b>0.0000</b>	<b>271.7054</b>

**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	1.1900e-003	0.0371	0.0109	8.0000e-005	1.7700e-003	1.1000e-004	1.8800e-003	5.1000e-004	1.0000e-004	6.1000e-004	0.0000	7.4582	7.4582	4.4000e-004	0.0000	7.4692
Worker	4.7700e-003	4.1600e-003	0.0365	1.0000e-004	0.0113	7.0000e-005	0.0113	2.9900e-003	7.0000e-005	3.0600e-003	0.0000	9.1021	9.1021	2.8000e-004	0.0000	9.1090
<b>Total</b>	<b>5.9600e-003</b>	<b>0.0413</b>	<b>0.0474</b>	<b>1.8000e-004</b>	<b>0.0130</b>	<b>1.8000e-004</b>	<b>0.0132</b>	<b>3.5000e-003</b>	<b>1.7000e-004</b>	<b>3.6700e-003</b>	<b>0.0000</b>	<b>16.5603</b>	<b>16.5603</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>16.5782</b>



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**3.4 230kV Sub Ground Grid - 2021**

**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	9.6000e-004	8.7800e-003	6.5200e-003	1.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	0.7415	0.7415	2.4000e-004	0.0000	0.7474
<b>Total</b>	<b>9.6000e-004</b>	<b>8.7800e-003</b>	<b>6.5200e-003</b>	<b>1.0000e-005</b>		<b>6.4000e-004</b>	<b>6.4000e-004</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>0.7415</b>	<b>0.7415</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.7474</b>

**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	2.2000e-004	6.9000e-003	2.0200e-003	1.0000e-005	3.3000e-004	2.0000e-005	3.5000e-004	1.0000e-004	2.0000e-005	1.1000e-004	0.0000	1.3865	1.3865	8.0000e-005	0.0000	1.3885
Worker	1.0000e-004	9.0000e-005	7.8000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.1945	0.1945	1.0000e-005	0.0000	0.1946
<b>Total</b>	<b>3.2000e-004</b>	<b>6.9900e-003</b>	<b>2.8000e-003</b>	<b>1.0000e-005</b>	<b>5.7000e-004</b>	<b>2.0000e-005</b>	<b>5.9000e-004</b>	<b>1.6000e-004</b>	<b>2.0000e-005</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>1.5810</b>	<b>1.5810</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.5831</b>

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**3.4 230kV Sub Ground Grid - 2021**

**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	1.0000e-004	4.5000e-004	6.3600e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.7415	0.7415	2.4000e-004	0.0000	0.7474
<b>Total</b>	<b>1.0000e-004</b>	<b>4.5000e-004</b>	<b>6.3600e-003</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.7415</b>	<b>0.7415</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.7474</b>

**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	2.2000e-004	6.9000e-003	2.0200e-003	1.0000e-005	3.3000e-004	2.0000e-005	3.5000e-004	1.0000e-004	2.0000e-005	1.1000e-004	0.0000	1.3865	1.3865	8.0000e-005	0.0000	1.3885
Worker	1.0000e-004	9.0000e-005	7.8000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.1945	0.1945	1.0000e-005	0.0000	0.1946
<b>Total</b>	<b>3.2000e-004</b>	<b>6.9900e-003</b>	<b>2.8000e-003</b>	<b>1.0000e-005</b>	<b>5.7000e-004</b>	<b>2.0000e-005</b>	<b>5.9000e-004</b>	<b>1.6000e-004</b>	<b>2.0000e-005</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>1.5810</b>	<b>1.5810</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.5831</b>

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**3.5 230kV Transmission Conductor - 2021**

**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	0.0257	0.2573	0.1400	4.7000e-004		9.9500e-003	9.9500e-003		9.1500e-003	9.1500e-003	0.0000	41.5223	41.5223	0.0134	0.0000	41.8580
<b>Total</b>	<b>0.0257</b>	<b>0.2573</b>	<b>0.1400</b>	<b>4.7000e-004</b>		<b>9.9500e-003</b>	<b>9.9500e-003</b>		<b>9.1500e-003</b>	<b>9.1500e-003</b>	<b>0.0000</b>	<b>41.5223</b>	<b>41.5223</b>	<b>0.0134</b>	<b>0.0000</b>	<b>41.8580</b>

**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	0.0126	3.6800e-003	3.0000e-005	6.0000e-004	4.0000e-005	6.4000e-004	1.7000e-004	3.0000e-005	2.1000e-004	0.0000	2.5243	2.5243	1.5000e-004	0.0000	2.5280
Worker	1.4700e-003	1.2800e-003	0.0112	3.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.8007	2.8007	8.0000e-005	0.0000	2.8028
<b>Total</b>	<b>1.8700e-003</b>	<b>0.0138</b>	<b>0.0149</b>	<b>6.0000e-005</b>	<b>4.0700e-003</b>	<b>6.0000e-005</b>	<b>4.1300e-003</b>	<b>1.0900e-003</b>	<b>5.0000e-005</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>5.3250</b>	<b>5.3250</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>5.3308</b>

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**3.5 230kV Transmission Conductor - 2021**

**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	5.7900e-003	0.0251	0.2124	4.7000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	41.5223	41.5223	0.0134	0.0000	41.8580
<b>Total</b>	<b>5.7900e-003</b>	<b>0.0251</b>	<b>0.2124</b>	<b>4.7000e-004</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>41.5223</b>	<b>41.5223</b>	<b>0.0134</b>	<b>0.0000</b>	<b>41.8580</b>

**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	0.0126	3.6800e-003	3.0000e-005	6.0000e-004	4.0000e-005	6.4000e-004	1.7000e-004	3.0000e-005	2.1000e-004	0.0000	2.5243	2.5243	1.5000e-004	0.0000	2.5280
Worker	1.4700e-003	1.2800e-003	0.0112	3.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.8007	2.8007	8.0000e-005	0.0000	2.8028
<b>Total</b>	<b>1.8700e-003</b>	<b>0.0138</b>	<b>0.0149</b>	<b>6.0000e-005</b>	<b>4.0700e-003</b>	<b>6.0000e-005</b>	<b>4.1300e-003</b>	<b>1.0900e-003</b>	<b>5.0000e-005</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>5.3250</b>	<b>5.3250</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>5.3308</b>

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**3.6 70 kV Substation Equip Delivery - 2021**

**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	3.9500e-003	0.0368	0.0313	9.0000e-005		1.2500e-003	1.2500e-003		1.1500e-003	1.1500e-003	0.0000	8.2434	8.2434	2.6700e-003	0.0000	8.3100
<b>Total</b>	<b>3.9500e-003</b>	<b>0.0368</b>	<b>0.0313</b>	<b>9.0000e-005</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>		<b>1.1500e-003</b>	<b>1.1500e-003</b>	<b>0.0000</b>	<b>8.2434</b>	<b>8.2434</b>	<b>2.6700e-003</b>	<b>0.0000</b>	<b>8.3100</b>

**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	3.3000e-004	0.0103	3.0100e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.2000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.0653	2.0653	1.2000e-004	0.0000	2.0684
Worker	4.4000e-004	3.8000e-004	3.3700e-003	1.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	2.8000e-004	1.0000e-005	2.8000e-004	0.0000	0.8402	0.8402	3.0000e-005	0.0000	0.8408
<b>Total</b>	<b>7.7000e-004</b>	<b>0.0107</b>	<b>6.3800e-003</b>	<b>3.0000e-005</b>	<b>1.5300e-003</b>	<b>4.0000e-005</b>	<b>1.5700e-003</b>	<b>4.2000e-004</b>	<b>4.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>2.9055</b>	<b>2.9055</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.9092</b>

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**3.6 70 kV Substation Equip Delivery - 2021**

**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	1.3400e-003	0.0127	0.0468	9.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	8.2434	8.2434	2.6700e-003	0.0000	8.3100
<b>Total</b>	<b>1.3400e-003</b>	<b>0.0127</b>	<b>0.0468</b>	<b>9.0000e-005</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>8.2434</b>	<b>8.2434</b>	<b>2.6700e-003</b>	<b>0.0000</b>	<b>8.3100</b>

**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	3.3000e-004	0.0103	3.0100e-003	2.0000e-005	4.9000e-004	3.0000e-005	5.2000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	2.0653	2.0653	1.2000e-004	0.0000	2.0684
Worker	4.4000e-004	3.8000e-004	3.3700e-003	1.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	2.8000e-004	1.0000e-005	2.8000e-004	0.0000	0.8402	0.8402	3.0000e-005	0.0000	0.8408
<b>Total</b>	<b>7.7000e-004</b>	<b>0.0107</b>	<b>6.3800e-003</b>	<b>3.0000e-005</b>	<b>1.5300e-003</b>	<b>4.0000e-005</b>	<b>1.5700e-003</b>	<b>4.2000e-004</b>	<b>4.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>2.9055</b>	<b>2.9055</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.9092</b>

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**3.7 70kV Substation Control Enclosure - 2021**

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	5.7000e-004	1.7000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1147	0.1147	1.0000e-005	0.0000	0.1149
Worker	1.2000e-004	1.1000e-004	9.4000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2334	0.2334	1.0000e-005	0.0000	0.2336
<b>Total</b>	<b>1.4000e-004</b>	<b>6.8000e-004</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.3481</b>	<b>0.3481</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.3485</b>

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**3.7 70kV Substation Control Enclosure - 2021**

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	5.7000e-004	1.7000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1147	0.1147	1.0000e-005	0.0000	0.1149
Worker	1.2000e-004	1.1000e-004	9.4000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2334	0.2334	1.0000e-005	0.0000	0.2336
<b>Total</b>	<b>1.4000e-004</b>	<b>6.8000e-004</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.3481</b>	<b>0.3481</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.3485</b>



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**3.8 230kV Sub Steel Bus - 2021**

**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	7.6100e-003	0.0686	0.0531	1.7000e-004		2.4200e-003	2.4200e-003		2.2300e-003	2.2300e-003	0.0000	15.2460	15.2460	4.9300e-003	0.0000	15.3693
<b>Total</b>	<b>7.6100e-003</b>	<b>0.0686</b>	<b>0.0531</b>	<b>1.7000e-004</b>		<b>2.4200e-003</b>	<b>2.4200e-003</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>	<b>0.0000</b>	<b>15.2460</b>	<b>15.2460</b>	<b>4.9300e-003</b>	<b>0.0000</b>	<b>15.3693</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-003	0.0343	0.0100	7.0000e-005	1.6400e-003	1.0000e-004	1.7300e-003	4.7000e-004	9.0000e-005	5.7000e-004	0.0000	6.8845	6.8845	4.1000e-004	0.0000	6.8946
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5900e-003</b>	<b>0.0347</b>	<b>0.0138</b>	<b>8.0000e-005</b>	<b>2.8000e-003</b>	<b>1.1000e-004</b>	<b>2.8900e-003</b>	<b>7.8000e-004</b>	<b>1.0000e-004</b>	<b>8.8000e-004</b>	<b>0.0000</b>	<b>7.8180</b>	<b>7.8180</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>7.8289</b>

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**3.8 230kV Sub Steel Bus - 2021**

**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	2.3100e-003	0.0169	0.0826	1.7000e-004		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	15.2460	15.2460	4.9300e-003	0.0000	15.3693
<b>Total</b>	<b>2.3100e-003</b>	<b>0.0169</b>	<b>0.0826</b>	<b>1.7000e-004</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>15.2460</b>	<b>15.2460</b>	<b>4.9300e-003</b>	<b>0.0000</b>	<b>15.3693</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-003	0.0343	0.0100	7.0000e-005	1.6400e-003	1.0000e-004	1.7300e-003	4.7000e-004	9.0000e-005	5.7000e-004	0.0000	6.8845	6.8845	4.1000e-004	0.0000	6.8946
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5900e-003</b>	<b>0.0347</b>	<b>0.0138</b>	<b>8.0000e-005</b>	<b>2.8000e-003</b>	<b>1.1000e-004</b>	<b>2.8900e-003</b>	<b>7.8000e-004</b>	<b>1.0000e-004</b>	<b>8.8000e-004</b>	<b>0.0000</b>	<b>7.8180</b>	<b>7.8180</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>7.8289</b>

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**3.9 230kV Sub Install Yard Rock - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.5000e-004	0.0113	0.0156	2.0000e-005		4.6000e-004	4.6000e-004		4.2000e-004	4.2000e-004	0.0000	2.0432	2.0432	6.6000e-004	0.0000	2.0597
<b>Total</b>	<b>8.5000e-004</b>	<b>0.0113</b>	<b>0.0156</b>	<b>2.0000e-005</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>		<b>4.2000e-004</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>2.0432</b>	<b>2.0432</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>2.0597</b>

**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	1.2300e-003	0.0386	0.0113	8.0000e-005	1.8400e-003	1.1000e-004	1.9500e-003	5.3000e-004	1.1000e-004	6.4000e-004	0.0000	7.7450	7.7450	4.6000e-004	0.0000	7.7565
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>1.8200e-003</b>	<b>0.0391</b>	<b>0.0158</b>	<b>9.0000e-005</b>	<b>3.2300e-003</b>	<b>1.2000e-004</b>	<b>3.3500e-003</b>	<b>9.0000e-004</b>	<b>1.2000e-004</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>8.8653</b>	<b>8.8653</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>8.8776</b>

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**3.9 230kV Sub Install Yard Rock - 2021**

**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	5.7000e-004	0.0131	0.0177	2.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.0432	2.0432	6.6000e-004	0.0000	2.0597
<b>Total</b>	<b>5.7000e-004</b>	<b>0.0131</b>	<b>0.0177</b>	<b>2.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>2.0432</b>	<b>2.0432</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>2.0597</b>

**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	1.2300e-003	0.0386	0.0113	8.0000e-005	1.8400e-003	1.1000e-004	1.9500e-003	5.3000e-004	1.1000e-004	6.4000e-004	0.0000	7.7450	7.7450	4.6000e-004	0.0000	7.7565
Worker	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
<b>Total</b>	<b>1.8200e-003</b>	<b>0.0391</b>	<b>0.0158</b>	<b>9.0000e-005</b>	<b>3.2300e-003</b>	<b>1.2000e-004</b>	<b>3.3500e-003</b>	<b>9.0000e-004</b>	<b>1.2000e-004</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>8.8653</b>	<b>8.8653</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>8.8776</b>

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**3.10 70kV Substation Cable Installation - 2021**

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.5700e-003	7.5000e-004	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5163	0.5163	3.0000e-005	0.0000	0.5171
Worker	3.7000e-004	3.2000e-004	2.8100e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7002	0.7002	2.0000e-005	0.0000	0.7007
<b>Total</b>	<b>4.5000e-004</b>	<b>2.8900e-003</b>	<b>3.5600e-003</b>	<b>2.0000e-005</b>	<b>9.9000e-004</b>	<b>2.0000e-005</b>	<b>1.0000e-003</b>	<b>2.7000e-004</b>	<b>2.0000e-005</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>1.2165</b>	<b>1.2165</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.2178</b>

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**3.10 70kV Substation Cable Installation - 2021**

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	2.5700e-003	7.5000e-004	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5163	0.5163	3.0000e-005	0.0000	0.5171
Worker	3.7000e-004	3.2000e-004	2.8100e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7002	0.7002	2.0000e-005	0.0000	0.7007
<b>Total</b>	<b>4.5000e-004</b>	<b>2.8900e-003</b>	<b>3.5600e-003</b>	<b>2.0000e-005</b>	<b>9.9000e-004</b>	<b>2.0000e-005</b>	<b>1.0000e-003</b>	<b>2.7000e-004</b>	<b>2.0000e-005</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>1.2165</b>	<b>1.2165</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.2178</b>

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**3.11 230kV Sub Transformer - 2021**

**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	0.0376	0.3432	0.2414	7.6000e-004		0.0136	0.0136		0.0126	0.0126	0.0000	66.9818	66.9818	0.0202	0.0000	67.4873
<b>Total</b>	<b>0.0376</b>	<b>0.3432</b>	<b>0.2414</b>	<b>7.6000e-004</b>		<b>0.0136</b>	<b>0.0136</b>		<b>0.0126</b>	<b>0.0126</b>	<b>0.0000</b>	<b>66.9818</b>	<b>66.9818</b>	<b>0.0202</b>	<b>0.0000</b>	<b>67.4873</b>

**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	1.3700e-003	0.0428	0.0126	9.0000e-005	2.0400e-003	1.2000e-004	2.1700e-003	5.9000e-004	1.2000e-004	7.1000e-004	0.0000	8.6056	8.6056	5.1000e-004	0.0000	8.6183
Worker	9.8000e-004	8.5000e-004	7.4800e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3300e-003	6.1000e-004	1.0000e-005	6.3000e-004	0.0000	1.8671	1.8671	6.0000e-005	0.0000	1.8685
<b>Total</b>	<b>2.3500e-003</b>	<b>0.0437</b>	<b>0.0200</b>	<b>1.1000e-004</b>	<b>4.3500e-003</b>	<b>1.3000e-004</b>	<b>4.5000e-003</b>	<b>1.2000e-003</b>	<b>1.3000e-004</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>10.4727</b>	<b>10.4727</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>10.4868</b>

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**3.11 230kV Sub Transformer - 2021**

**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	9.2200e-003	0.0399	0.3605	7.6000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	66.9818	66.9818	0.0202	0.0000	67.4873
<b>Total</b>	<b>9.2200e-003</b>	<b>0.0399</b>	<b>0.3605</b>	<b>7.6000e-004</b>		<b>1.2300e-003</b>	<b>1.2300e-003</b>		<b>1.2300e-003</b>	<b>1.2300e-003</b>	<b>0.0000</b>	<b>66.9818</b>	<b>66.9818</b>	<b>0.0202</b>	<b>0.0000</b>	<b>67.4873</b>

**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	1.3700e-003	0.0428	0.0126	9.0000e-005	2.0400e-003	1.2000e-004	2.1700e-003	5.9000e-004	1.2000e-004	7.1000e-004	0.0000	8.6056	8.6056	5.1000e-004	0.0000	8.6183
Worker	9.8000e-004	8.5000e-004	7.4800e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3300e-003	6.1000e-004	1.0000e-005	6.3000e-004	0.0000	1.8671	1.8671	6.0000e-005	0.0000	1.8685
<b>Total</b>	<b>2.3500e-003</b>	<b>0.0437</b>	<b>0.0200</b>	<b>1.1000e-004</b>	<b>4.3500e-003</b>	<b>1.3000e-004</b>	<b>4.5000e-003</b>	<b>1.2000e-003</b>	<b>1.3000e-004</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>10.4727</b>	<b>10.4727</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>10.4868</b>



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**3.12 230kV Transmission Cleanup Restore - 2021**

**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					1.5900e-003	0.0000	1.5900e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6400e-003	0.0206	8.6900e-003	2.0000e-005		7.3000e-004	7.3000e-004		6.7000e-004	6.7000e-004	0.0000	2.1558	2.1558	7.0000e-004	0.0000	2.1733
<b>Total</b>	<b>1.6400e-003</b>	<b>0.0206</b>	<b>8.6900e-003</b>	<b>2.0000e-005</b>	<b>1.5900e-003</b>	<b>7.3000e-004</b>	<b>2.3200e-003</b>	<b>1.7000e-004</b>	<b>6.7000e-004</b>	<b>8.4000e-004</b>	<b>0.0000</b>	<b>2.1558</b>	<b>2.1558</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>2.1733</b>

**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	2.5700e-003	7.5000e-004	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5163	0.5163	3.0000e-005	0.0000	0.5171
Worker	1.2000e-004	1.1000e-004	9.4000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2334	0.2334	1.0000e-005	0.0000	0.2336
<b>Total</b>	<b>2.0000e-004</b>	<b>2.6800e-003</b>	<b>1.6900e-003</b>	<b>1.0000e-005</b>	<b>4.1000e-004</b>	<b>1.0000e-005</b>	<b>4.2000e-004</b>	<b>1.2000e-004</b>	<b>1.0000e-005</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.7497</b>	<b>0.7497</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.7507</b>

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**3.12 230kV Transmission Cleanup Restore - 2021**

**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					7.2000e-004	0.0000	7.2000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-004	1.3000e-003	0.0124	2.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.1558	2.1558	7.0000e-004	0.0000	2.1733
<b>Total</b>	<b>3.0000e-004</b>	<b>1.3000e-003</b>	<b>0.0124</b>	<b>2.0000e-005</b>	<b>7.2000e-004</b>	<b>4.0000e-005</b>	<b>7.6000e-004</b>	<b>8.0000e-005</b>	<b>4.0000e-005</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>2.1558</b>	<b>2.1558</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>2.1733</b>

**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	2.5700e-003	7.5000e-004	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5163	0.5163	3.0000e-005	0.0000	0.5171
Worker	1.2000e-004	1.1000e-004	9.4000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2334	0.2334	1.0000e-005	0.0000	0.2336
<b>Total</b>	<b>2.0000e-004</b>	<b>2.6800e-003</b>	<b>1.6900e-003</b>	<b>1.0000e-005</b>	<b>4.1000e-004</b>	<b>1.0000e-005</b>	<b>4.2000e-004</b>	<b>1.2000e-004</b>	<b>1.0000e-005</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.7497</b>	<b>0.7497</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.7507</b>

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**3.13 230kV Sub Control Enclosure Delivery - 2021**

**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	1.8600e-003	0.0218	8.9200e-003	3.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	2.2810	2.2810	7.4000e-004	0.0000	2.2994
<b>Total</b>	<b>1.8600e-003</b>	<b>0.0218</b>	<b>8.9200e-003</b>	<b>3.0000e-005</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>		<b>8.2000e-004</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>2.2810</b>	<b>2.2810</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>2.2994</b>

**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	1.1400e-003	3.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2295	0.2295	1.0000e-005	0.0000	0.2298
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.3000e-004</b>	<b>1.4000e-003</b>	<b>2.5700e-003</b>	<b>1.0000e-005</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>7.6000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.7896</b>	<b>0.7896</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7904</b>

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**3.13 230kV Sub Control Enclosure Delivery - 2021**

**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	3.2000e-004	1.3800e-003	0.0117	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.2810	2.2810	7.4000e-004	0.0000	2.2994
<b>Total</b>	<b>3.2000e-004</b>	<b>1.3800e-003</b>	<b>0.0117</b>	<b>3.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>2.2810</b>	<b>2.2810</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>2.2994</b>

**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	1.1400e-003	3.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2295	0.2295	1.0000e-005	0.0000	0.2298
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.3000e-004</b>	<b>1.4000e-003</b>	<b>2.5700e-003</b>	<b>1.0000e-005</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>7.6000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.7896</b>	<b>0.7896</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7904</b>

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**3.14 70kV Substation Install Yard Rock - 2021**

**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	1.1200e-003	0.0114	0.0136	2.0000e-005		6.7000e-004	6.7000e-004		6.2000e-004	6.2000e-004	0.0000	1.6378	1.6378	5.3000e-004	0.0000	1.6511
<b>Total</b>	<b>1.1200e-003</b>	<b>0.0114</b>	<b>0.0136</b>	<b>2.0000e-005</b>		<b>6.7000e-004</b>	<b>6.7000e-004</b>		<b>6.2000e-004</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>1.6378</b>	<b>1.6378</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6511</b>

**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	2.9000e-004	9.1400e-003	2.6800e-003	2.0000e-005	4.4000e-004	3.0000e-005	4.6000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	1.8359	1.8359	1.1000e-004	0.0000	1.8386
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>5.8000e-004</b>	<b>9.4000e-003</b>	<b>4.9200e-003</b>	<b>3.0000e-005</b>	<b>1.1300e-003</b>	<b>3.0000e-005</b>	<b>1.1600e-003</b>	<b>3.1000e-004</b>	<b>2.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>2.3960</b>	<b>2.3960</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>2.3991</b>

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**3.14 70kV Substation Install Yard Rock - 2021**

**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	2.3000e-004	9.9000e-004	0.0141	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.6378	1.6378	5.3000e-004	0.0000	1.6511
<b>Total</b>	<b>2.3000e-004</b>	<b>9.9000e-004</b>	<b>0.0141</b>	<b>2.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.6378</b>	<b>1.6378</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6511</b>

**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	2.9000e-004	9.1400e-003	2.6800e-003	2.0000e-005	4.4000e-004	3.0000e-005	4.6000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	1.8359	1.8359	1.1000e-004	0.0000	1.8386
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>5.8000e-004</b>	<b>9.4000e-003</b>	<b>4.9200e-003</b>	<b>3.0000e-005</b>	<b>1.1300e-003</b>	<b>3.0000e-005</b>	<b>1.1600e-003</b>	<b>3.1000e-004</b>	<b>2.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>2.3960</b>	<b>2.3960</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>2.3991</b>

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**3.15 230kV Sub Remaining Equipment Delivery - 2021**

**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	5.4500e-003	0.0474	0.0324	1.2000e-004		1.7400e-003	1.7400e-003		1.6000e-003	1.6000e-003	0.0000	10.4387	10.4387	3.3800e-003	0.0000	10.5231
<b>Total</b>	<b>5.4500e-003</b>	<b>0.0474</b>	<b>0.0324</b>	<b>1.2000e-004</b>		<b>1.7400e-003</b>	<b>1.7400e-003</b>		<b>1.6000e-003</b>	<b>1.6000e-003</b>	<b>0.0000</b>	<b>10.4387</b>	<b>10.4387</b>	<b>3.3800e-003</b>	<b>0.0000</b>	<b>10.5231</b>

**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	1.0200e-003	0.0320	9.3700e-003	7.0000e-005	1.5300e-003	9.0000e-005	1.6200e-003	4.4000e-004	9.0000e-005	5.3000e-004	0.0000	6.4255	6.4255	3.8000e-004	0.0000	6.4350
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5100e-003</b>	<b>0.0324</b>	<b>0.0131</b>	<b>8.0000e-005</b>	<b>2.6900e-003</b>	<b>1.0000e-004</b>	<b>2.7800e-003</b>	<b>7.5000e-004</b>	<b>1.0000e-004</b>	<b>8.4000e-004</b>	<b>0.0000</b>	<b>7.3591</b>	<b>7.3591</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>7.3692</b>

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**3.15 230kV Sub Remaining Equipment Delivery - 2021**

**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	1.4500e-003	6.3000e-003	0.0534	1.2000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	10.4387	10.4387	3.3800e-003	0.0000	10.5231
<b>Total</b>	<b>1.4500e-003</b>	<b>6.3000e-003</b>	<b>0.0534</b>	<b>1.2000e-004</b>		<b>1.9000e-004</b>	<b>1.9000e-004</b>		<b>1.9000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>10.4387</b>	<b>10.4387</b>	<b>3.3800e-003</b>	<b>0.0000</b>	<b>10.5231</b>

**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	1.0200e-003	0.0320	9.3700e-003	7.0000e-005	1.5300e-003	9.0000e-005	1.6200e-003	4.4000e-004	9.0000e-005	5.3000e-004	0.0000	6.4255	6.4255	3.8000e-004	0.0000	6.4350
Worker	4.9000e-004	4.3000e-004	3.7400e-003	1.0000e-005	1.1600e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9336	0.9336	3.0000e-005	0.0000	0.9343
<b>Total</b>	<b>1.5100e-003</b>	<b>0.0324</b>	<b>0.0131</b>	<b>8.0000e-005</b>	<b>2.6900e-003</b>	<b>1.0000e-004</b>	<b>2.7800e-003</b>	<b>7.5000e-004</b>	<b>1.0000e-004</b>	<b>8.4000e-004</b>	<b>0.0000</b>	<b>7.3591</b>	<b>7.3591</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>7.3692</b>



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**3.16 70kV Substation Cleanup Restore - 2021**

**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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.1800e-003</b>	<b>0.0000</b>	<b>3.1800e-003</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.7000e-004	1.5000e-003	0.0000	4.6000e-004	0.0000	4.7000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.3734	0.3734	1.0000e-005	0.0000	0.3737
<b>Total</b>	<b>2.0000e-004</b>	<b>1.7000e-004</b>	<b>1.5000e-003</b>	<b>0.0000</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>4.7000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.3734</b>	<b>0.3734</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3737</b>

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**3.16 70kV Substation Cleanup Restore - 2021**

**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					1.4300e-003	0.0000	1.4300e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.4300e-003</b>	<b>0.0000</b>	<b>1.4300e-003</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.7000e-004	1.5000e-003	0.0000	4.6000e-004	0.0000	4.7000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.3734	0.3734	1.0000e-005	0.0000	0.3737
<b>Total</b>	<b>2.0000e-004</b>	<b>1.7000e-004</b>	<b>1.5000e-003</b>	<b>0.0000</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>4.7000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.3734</b>	<b>0.3734</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3737</b>

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**3.17 230kV Sub Cable Install Termination - 2021**

**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	2.2000e-004	3.6000e-003	6.5600e-003	1.0000e-005		7.0000e-005	7.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.8852	0.8852	2.9000e-004	0.0000	0.8923
<b>Total</b>	<b>2.2000e-004</b>	<b>3.6000e-003</b>	<b>6.5600e-003</b>	<b>1.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.8852</b>	<b>0.8852</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.8923</b>

**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	5.0000e-005	1.7100e-003	5.0000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3442	0.3442	2.0000e-005	0.0000	0.3447
Worker	2.4000e-004	2.1000e-004	1.8700e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4668	0.4668	1.0000e-005	0.0000	0.4671
<b>Total</b>	<b>2.9000e-004</b>	<b>1.9200e-003</b>	<b>2.3700e-003</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>6.7000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.8110</b>	<b>0.8110</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8119</b>

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**3.17 230kV Sub Cable Install Termination - 2021**

**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	2.5000e-004	5.6600e-003	7.6500e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.8852	0.8852	2.9000e-004	0.0000	0.8923
<b>Total</b>	<b>2.5000e-004</b>	<b>5.6600e-003</b>	<b>7.6500e-003</b>	<b>1.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8852</b>	<b>0.8852</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.8923</b>

**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	5.0000e-005	1.7100e-003	5.0000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3442	0.3442	2.0000e-005	0.0000	0.3447
Worker	2.4000e-004	2.1000e-004	1.8700e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4668	0.4668	1.0000e-005	0.0000	0.4671
<b>Total</b>	<b>2.9000e-004</b>	<b>1.9200e-003</b>	<b>2.3700e-003</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>6.7000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.8110</b>	<b>0.8110</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8119</b>

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

**3.18 70kV Substation Testing Commissioning - 2021**

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>4.7700e-003</b>	<b>0.0000</b>	<b>4.7700e-003</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	5.0000e-005	1.7100e-003	5.0000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3442	0.3442	2.0000e-005	0.0000	0.3447
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.4000e-004</b>	<b>1.9700e-003</b>	<b>2.7400e-003</b>	<b>1.0000e-005</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>7.9000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.9044</b>	<b>0.9044</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.9053</b>

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**3.18 70kV Substation Testing Commissioning - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1500e-003	0.0000	2.1500e-003	2.3000e-004	0.0000	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.1500e-003</b>	<b>0.0000</b>	<b>2.1500e-003</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	5.0000e-005	1.7100e-003	5.0000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3442	0.3442	2.0000e-005	0.0000	0.3447
Worker	2.9000e-004	2.6000e-004	2.2400e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5601	0.5601	2.0000e-005	0.0000	0.5606
<b>Total</b>	<b>3.4000e-004</b>	<b>1.9700e-003</b>	<b>2.7400e-003</b>	<b>1.0000e-005</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>7.9000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.9044</b>	<b>0.9044</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.9053</b>

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**3.19 230kV Sub Testing and Commissioning - 2021**

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0300e-003	0.0322	9.4300e-003	7.0000e-005	1.5400e-003	9.0000e-005	1.6300e-003	4.4000e-004	9.0000e-005	5.3000e-004	0.0000	6.4638	6.4638	3.8000e-004	0.0000	6.4733
Worker	5.3000e-004	4.6000e-004	4.0500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0114	1.0114	3.0000e-005	0.0000	1.0121
<b>Total</b>	<b>1.5600e-003</b>	<b>0.0326</b>	<b>0.0135</b>	<b>8.0000e-005</b>	<b>2.7900e-003</b>	<b>1.0000e-004</b>	<b>2.8900e-003</b>	<b>7.7000e-004</b>	<b>1.0000e-004</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>7.4751</b>	<b>7.4751</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>7.4854</b>

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**3.19 230kV Sub Testing and Commissioning - 2021**

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.0300e-003	0.0322	9.4300e-003	7.0000e-005	1.5400e-003	9.0000e-005	1.6300e-003	4.4000e-004	9.0000e-005	5.3000e-004	0.0000	6.4638	6.4638	3.8000e-004	0.0000	6.4733
Worker	5.3000e-004	4.6000e-004	4.0500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0114	1.0114	3.0000e-005	0.0000	1.0121
<b>Total</b>	<b>1.5600e-003</b>	<b>0.0326</b>	<b>0.0135</b>	<b>8.0000e-005</b>	<b>2.7900e-003</b>	<b>1.0000e-004</b>	<b>2.8900e-003</b>	<b>7.7000e-004</b>	<b>1.0000e-004</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>7.4751</b>	<b>7.4751</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>7.4854</b>

**4.0 Operational Detail - Mobile**

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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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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
Category	tons/yr										MT/yr					
Mitigated	20.3125	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
Unmitigated	20.3125	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	20.3125					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
<b>Total</b>	<b>20.3125</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	20.3125					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0000	3.0000e-005
<b>Total</b>	<b>20.3125</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000



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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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