

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
Total For Construction	6,530	198,972	180,671

	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	-
Total Fuel Consumption (Gallons)										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

	Offroad Equipment Type	Amount	Days in Phase	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate lb/hp-hr	Diesel Fuel Consumption (gallons)
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_REST LOSS	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 _x	ROG + Nox	SO _x	Fugitive Dust PM ₁₀	PM ₁₀	PM _{2.5}	DPM
Maximum Daily Emissions (lbs/day)									
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
Maximum Quarterly Emissions (tons/quarter)									
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
Total Project Emissions (tons)									
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 ¹	Activity ²			Emissions (lb/day) ³								Emissions (tons/project or MT/project) ⁴					
	Number of Days	Hours per Day	Number of LTOs per Day	Fuel kg/day	CO	NO _x	ROG	PM ₁₀	PM _{2.5}	CO ₂	Fuel MT/project	CO	NO _x	ROG	PM ₁₀	PM _{2.5}	CO ₂
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:

- 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.
- 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.
- 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.
- Criteria pollutants are in terms of tons (CO, NO_x, ROG, PM₁₀ and PM_{2.5}) and GHG pollutants (CO₂, CH₄, N₂O and CO₂e) 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 ¹	Climb Out Operating Time (seconds) ¹	Climbout Fuel Consumption kg/second ^{2,3}	Climbout Emission Factors grams pollutant per kg fuel ^{2,3}					Cruising Fuel Consumption kg/hr ²	Cruising Emission Factors g/hour ²				
								CO EF	NO _x EF	HC EF	PM EF	CO ₂		CO EF	NO _x EF	HC EF	PM EF	CO ₂
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:

- 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).
- 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>.
- 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.

Number of LTOs per day	PM EF kg PM/LTO	Daily PM (lb/day)	Total Project PM
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

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	3			Operational Year	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	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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tblConstructionPhase	NumDays	3,100.00	6.00

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tblFleetMix	LDA	0.59	0.00
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tblFleetMix	OBUS	2.3160e-003	0.00
tblFleetMix	SBUS	7.5800e-004	0.00
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tblOffRoadEquipment	UsageHours	8.00	6.00

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tblOffRoadEquipment	UsageHours	7.00	8.00
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tblTripsAndVMT	VendorTripNumber	852.00	11.00
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tblVehicleTrips	CC_TTP	0.00	28.00
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tblVehicleTrips	DV_TP	0.00	19.00
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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
Total	20.3125	0.0000	2.0000e-005	0.0000	0.0000	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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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
Total	20.3125	0.0000	2.0000e-005	0.0000	0.0000	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

	ROG	NOx	CO	SO2	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 Commissioning	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
Total	5.2000e-003	0.0647	0.0295	8.0000e-005	6.3600e-003	2.3600e-003	8.7200e-003	6.9000e-004	2.1700e-003	2.8600e-003	0.0000	6.8770	6.8770	2.2200e-003	0.0000	6.9326

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	9.6000e-004	0.0119	7.8400e-003	3.0000e-005	1.9400e-003	4.0000e-005	1.9800e-003	5.3000e-004	4.0000e-005	5.7000e-004	0.0000	3.4151	3.4151	1.7000e-004	0.0000	3.4193

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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
Total	5.2000e-003	0.0647	0.0295	8.0000e-005	2.8600e-003	2.3600e-003	5.2200e-003	3.1000e-004	2.1700e-003	2.4800e-003	0.0000	6.8770	6.8770	2.2200e-003	0.0000	6.9326

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	9.6000e-004	0.0119	7.8400e-003	3.0000e-005	1.9400e-003	4.0000e-005	1.9800e-003	5.3000e-004	4.0000e-005	5.7000e-004	0.0000	3.4151	3.4151	1.7000e-004	0.0000	3.4193

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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
Total	2.2500e-003	0.0228	0.0271	4.0000e-005	0.0000	1.3400e-003	1.3400e-003	0.0000	1.2300e-003	1.2300e-003	0.0000	3.2757	3.2757	1.0600e-003	0.0000	3.3022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.0900e-003	0.0193	9.2600e-003	5.0000e-005	2.0600e-003	6.0000e-005	2.1100e-003	5.7000e-004	6.0000e-005	6.2000e-004	0.0000	4.7200	4.7200	2.5000e-004	0.0000	4.7263

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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
Total	2.2500e-003	0.0228	0.0271	4.0000e-005	0.0000	1.3400e-003	1.3400e-003	0.0000	1.2300e-003	1.2300e-003	0.0000	3.2757	3.2757	1.0600e-003	0.0000	3.3021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.0900e-003	0.0193	9.2600e-003	5.0000e-005	2.0600e-003	6.0000e-005	2.1100e-003	5.7000e-004	6.0000e-005	6.2000e-004	0.0000	4.7200	4.7200	2.5000e-004	0.0000	4.7263

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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
Total	5.7600e-003	0.0704	0.0363	9.0000e-005	6.3600e-003	2.7000e-003	9.0600e-003	6.9000e-004	2.4800e-003	3.1700e-003	0.0000	7.6959	7.6959	2.4900e-003	0.0000	7.7581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.1800e-003	0.0132	9.6700e-003	5.0000e-005	2.4500e-003	5.0000e-005	2.5000e-003	6.6000e-004	4.0000e-005	7.1000e-004	0.0000	4.0180	4.0180	2.0000e-004	0.0000	4.0228

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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
Total	5.7600e-003	0.0704	0.0363	9.0000e-005	2.8600e-003	2.7000e-003	5.5600e-003	3.1000e-004	2.4800e-003	2.7900e-003	0.0000	7.6959	7.6959	2.4900e-003	0.0000	7.7581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.1800e-003	0.0132	9.6700e-003	5.0000e-005	2.4500e-003	5.0000e-005	2.5000e-003	6.6000e-004	4.0000e-005	7.1000e-004	0.0000	4.0180	4.0180	2.0000e-004	0.0000	4.0228

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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
Total	0.0542	0.5369	0.3317	9.4000e-004	0.0550	0.0220	0.0771	0.0299	0.0203	0.0502	0.0000	82.7786	82.7786	0.0268	0.0000	83.4479

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	4.0900e-003	0.1213	0.0335	3.3000e-004	8.6300e-003	5.0000e-004	9.1300e-003	2.3600e-003	4.8000e-004	2.8500e-003	0.0000	32.0445	32.0445	1.8200e-003	0.0000	32.0901

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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
Total	0.0542	0.5369	0.3317	9.4000e-004	0.0248	0.0220	0.0468	0.0135	0.0203	0.0337	0.0000	82.7785	82.7785	0.0268	0.0000	83.4478

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	4.0900e-003	0.1213	0.0335	3.3000e-004	8.6300e-003	5.0000e-004	9.1300e-003	2.3600e-003	4.8000e-004	2.8500e-003	0.0000	32.0445	32.0445	1.8200e-003	0.0000	32.0901

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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
Total	1.9200e-003	0.0235	0.0121	3.0000e-005	3.7400e-003	9.0000e-004	4.6400e-003	4.3000e-004	8.3000e-004	1.2600e-003	0.0000	2.5653	2.5653	8.3000e-004	0.0000	2.5860

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	3.4600e-003	0.1149	0.0284	3.1000e-004	7.3000e-003	4.7000e-004	7.7800e-003	2.0000e-003	4.5000e-004	2.4700e-003	0.0000	29.9995	29.9995	1.7300e-003	0.0000	30.0427

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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
Total	1.9200e-003	0.0235	0.0121	3.0000e-005	1.6800e-003	9.0000e-004	2.5800e-003	1.9000e-004	8.3000e-004	1.0200e-003	0.0000	2.5653	2.5653	8.3000e-004	0.0000	2.5860

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Total	3.4600e-003	0.1149	0.0284	3.1000e-004	7.3000e-003	4.7000e-004	7.7800e-003	2.0000e-003	4.5000e-004	2.4700e-003	0.0000	29.9995	29.9995	1.7300e-003	0.0000	30.0427

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	7.9000e-004	0.0173	6.8900e-003	5.0000e-005	1.4000e-003	5.0000e-005	1.4500e-003	3.9000e-004	5.0000e-005	4.4000e-004	0.0000	3.9090	3.9090	2.1000e-004	0.0000	3.9144

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	7.9000e-004	0.0173	6.8900e-003	5.0000e-005	1.4000e-003	5.0000e-005	1.4500e-003	3.9000e-004	5.0000e-005	4.4000e-004	0.0000	3.9090	3.9090	2.1000e-004	0.0000	3.9144

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	0.0146	0.0993	0.1159	4.4000e-004	0.0320	4.3000e-004	0.0324	8.6000e-003	4.0000e-004	9.0000e-003	0.0000	40.3048	40.3048	1.7400e-003	0.0000	40.3482

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	0.0146	0.0993	0.1159	4.4000e-004	0.0320	4.3000e-004	0.0324	8.6000e-003	4.0000e-004	9.0000e-003	0.0000	40.3048	40.3048	1.7400e-003	0.0000	40.3482

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.8400e-003	0.0291	0.0230	1.0000e-004	5.9300e-003	1.1000e-004	6.0400e-003	1.6100e-003	1.0000e-004	1.7100e-003	0.0000	9.2418	9.2418	4.3000e-004	0.0000	9.2527

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.8400e-003	0.0291	0.0230	1.0000e-004	5.9300e-003	1.1000e-004	6.0400e-003	1.6100e-003	1.0000e-004	1.7100e-003	0.0000	9.2418	9.2418	4.3000e-004	0.0000	9.2527

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.0700e-003	0.0154	8.8400e-003	4.0000e-005	2.1000e-003	5.0000e-005	2.1500e-003	5.7000e-004	5.0000e-005	6.3000e-004	0.0000	4.1035	4.1035	2.1000e-004	0.0000	4.1088

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.0700e-003	0.0154	8.8400e-003	4.0000e-005	2.1000e-003	5.0000e-005	2.1500e-003	5.7000e-004	5.0000e-005	6.3000e-004	0.0000	4.1035	4.1035	2.1000e-004	0.0000	4.1088

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	7.2000e-004	0.0106	6.0000e-003	3.0000e-005	1.4100e-003	4.0000e-005	1.4500e-003	3.9000e-004	4.0000e-005	4.2000e-004	0.0000	2.8122	2.8122	1.4000e-004	0.0000	2.8158

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	7.2000e-004	0.0106	6.0000e-003	3.0000e-005	1.4100e-003	4.0000e-005	1.4500e-003	3.9000e-004	4.0000e-005	4.2000e-004	0.0000	2.8122	2.8122	1.4000e-004	0.0000	2.8158

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.4600e-003	0.0547	0.0290	1.5000e-004	6.7000e-003	1.8000e-004	6.8800e-003	1.8400e-003	1.7000e-004	2.0100e-003	0.0000	14.0317	14.0317	7.3000e-004	0.0000	14.0500

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.4600e-003	0.0547	0.0290	1.5000e-004	6.7000e-003	1.8000e-004	6.8800e-003	1.8400e-003	1.7000e-004	2.0100e-003	0.0000	14.0317	14.0317	7.3000e-004	0.0000	14.0500

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	9.1700e-003	0.0635	0.0729	2.7000e-004	0.0201	2.7000e-004	0.0203	5.4000e-003	2.6000e-004	5.6500e-003	0.0000	25.4774	25.4774	1.1000e-003	0.0000	25.5049

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

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	9.1700e-003	0.0635	0.0729	2.7000e-004	0.0201	2.7000e-004	0.0203	5.4000e-003	2.6000e-004	5.6500e-003	0.0000	25.4774	25.4774	1.1000e-003	0.0000	25.5049

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.1100e-003	0.0110	9.0000e-003	4.0000e-005	2.3400e-003	4.0000e-005	2.3800e-003	6.3000e-004	4.0000e-005	6.7000e-004	0.0000	3.5590	3.5590	1.7000e-004	0.0000	3.5632

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

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.1100e-003	0.0110	9.0000e-003	4.0000e-005	2.3400e-003	4.0000e-005	2.3800e-003	6.3000e-004	4.0000e-005	6.7000e-004	0.0000	3.5590	3.5590	1.7000e-004	0.0000	3.5632

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.5500e-003	0.0336	0.0135	8.0000e-005	2.7400e-003	1.0000e-004	2.8400e-003	7.7000e-004	1.0000e-004	8.6000e-004	0.0000	7.5885	7.5885	4.2000e-004	0.0000	7.5991

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

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.5500e-003	0.0336	0.0135	8.0000e-005	2.7400e-003	1.0000e-004	2.8400e-003	7.7000e-004	1.0000e-004	8.6000e-004	0.0000	7.5885	7.5885	4.2000e-004	0.0000	7.5991

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.8700e-003	0.0138	0.0149	6.0000e-005	4.0700e-003	6.0000e-005	4.1300e-003	1.0900e-003	5.0000e-005	1.1500e-003	0.0000	5.3250	5.3250	2.3000e-004	0.0000	5.3308

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

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.8700e-003	0.0138	0.0149	6.0000e-005	4.0700e-003	6.0000e-005	4.1300e-003	1.0900e-003	5.0000e-005	1.1500e-003	0.0000	5.3250	5.3250	2.3000e-004	0.0000	5.3308

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	7.7000e-004	0.0107	6.3800e-003	3.0000e-005	1.5300e-003	4.0000e-005	1.5700e-003	4.2000e-004	4.0000e-005	4.5000e-004	0.0000	2.9055	2.9055	1.5000e-004	0.0000	2.9092

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

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	7.7000e-004	0.0107	6.3800e-003	3.0000e-005	1.5300e-003	4.0000e-005	1.5700e-003	4.2000e-004	4.0000e-005	4.5000e-004	0.0000	2.9055	2.9055	1.5000e-004	0.0000	2.9092

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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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	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
Total	1.4000e-004	6.8000e-004	1.1100e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3481	0.3481	2.0000e-005	0.0000	0.3485

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

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	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
Total	1.4000e-004	6.8000e-004	1.1100e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3481	0.3481	2.0000e-005	0.0000	0.3485

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.5900e-003	0.0347	0.0138	8.0000e-005	2.8000e-003	1.1000e-004	2.8900e-003	7.8000e-004	1.0000e-004	8.8000e-004	0.0000	7.8180	7.8180	4.4000e-004	0.0000	7.8289

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

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.5900e-003	0.0347	0.0138	8.0000e-005	2.8000e-003	1.1000e-004	2.8900e-003	7.8000e-004	1.0000e-004	8.8000e-004	0.0000	7.8180	7.8180	4.4000e-004	0.0000	7.8289

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.8200e-003	0.0391	0.0158	9.0000e-005	3.2300e-003	1.2000e-004	3.3500e-003	9.0000e-004	1.2000e-004	1.0200e-003	0.0000	8.8653	8.8653	4.9000e-004	0.0000	8.8776

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.8200e-003	0.0391	0.0158	9.0000e-005	3.2300e-003	1.2000e-004	3.3500e-003	9.0000e-004	1.2000e-004	1.0200e-003	0.0000	8.8653	8.8653	4.9000e-004	0.0000	8.8776

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

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	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
Total	4.5000e-004	2.8900e-003	3.5600e-003	2.0000e-005	9.9000e-004	2.0000e-005	1.0000e-003	2.7000e-004	2.0000e-005	2.8000e-004	0.0000	1.2165	1.2165	5.0000e-005	0.0000	1.2178

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

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	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
Total	4.5000e-004	2.8900e-003	3.5600e-003	2.0000e-005	9.9000e-004	2.0000e-005	1.0000e-003	2.7000e-004	2.0000e-005	2.8000e-004	0.0000	1.2165	1.2165	5.0000e-005	0.0000	1.2178

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.3500e-003	0.0437	0.0200	1.1000e-004	4.3500e-003	1.3000e-004	4.5000e-003	1.2000e-003	1.3000e-004	1.3400e-003	0.0000	10.4727	10.4727	5.7000e-004	0.0000	10.4868

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

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.3500e-003	0.0437	0.0200	1.1000e-004	4.3500e-003	1.3000e-004	4.5000e-003	1.2000e-003	1.3000e-004	1.3400e-003	0.0000	10.4727	10.4727	5.7000e-004	0.0000	10.4868

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

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
Total	1.6400e-003	0.0206	8.6900e-003	2.0000e-005	1.5900e-003	7.3000e-004	2.3200e-003	1.7000e-004	6.7000e-004	8.4000e-004	0.0000	2.1558	2.1558	7.0000e-004	0.0000	2.1733

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.0000e-004	2.6800e-003	1.6900e-003	1.0000e-005	4.1000e-004	1.0000e-005	4.2000e-004	1.2000e-004	1.0000e-005	1.2000e-004	0.0000	0.7497	0.7497	4.0000e-005	0.0000	0.7507

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

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
Total	1.6400e-003	0.0206	8.6900e-003	2.0000e-005	7.2000e-004	7.3000e-004	1.4500e-003	8.0000e-005	6.7000e-004	7.5000e-004	0.0000	2.1558	2.1558	7.0000e-004	0.0000	2.1733

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.0000e-004	2.6800e-003	1.6900e-003	1.0000e-005	4.1000e-004	1.0000e-005	4.2000e-004	1.2000e-004	1.0000e-005	1.2000e-004	0.0000	0.7497	0.7497	4.0000e-005	0.0000	0.7507

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.3000e-004	1.4000e-003	2.5700e-003	1.0000e-005	7.4000e-004	0.0000	7.6000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.7896	0.7896	3.0000e-005	0.0000	0.7904

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.3000e-004	1.4000e-003	2.5700e-003	1.0000e-005	7.4000e-004	0.0000	7.6000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.7896	0.7896	3.0000e-005	0.0000	0.7904

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	5.8000e-004	9.4000e-003	4.9200e-003	3.0000e-005	1.1300e-003	3.0000e-005	1.1600e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	2.3960	2.3960	1.3000e-004	0.0000	2.3991

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	5.8000e-004	9.4000e-003	4.9200e-003	3.0000e-005	1.1300e-003	3.0000e-005	1.1600e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	2.3960	2.3960	1.3000e-004	0.0000	2.3991

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.5100e-003	0.0324	0.0131	8.0000e-005	2.6900e-003	1.0000e-004	2.7800e-003	7.5000e-004	1.0000e-004	8.4000e-004	0.0000	7.3591	7.3591	4.1000e-004	0.0000	7.3692

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

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.5100e-003	0.0324	0.0131	8.0000e-005	2.6900e-003	1.0000e-004	2.7800e-003	7.5000e-004	1.0000e-004	8.4000e-004	0.0000	7.3591	7.3591	4.1000e-004	0.0000	7.3692

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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
Total	0.0000	0.0000	0.0000	0.0000	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

Unmitigated Construction Off-Site

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

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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
Total	0.0000	0.0000	0.0000	0.0000	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

Mitigated Construction Off-Site

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.9000e-004	1.9200e-003	2.3700e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.7000e-004	0.0000	1.9000e-004	0.0000	0.8110	0.8110	3.0000e-005	0.0000	0.8119

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.9000e-004	1.9200e-003	2.3700e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.7000e-004	0.0000	1.9000e-004	0.0000	0.8110	0.8110	3.0000e-005	0.0000	0.8119

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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
Total	0.0000	0.0000	0.0000	0.0000	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.4000e-004	1.9700e-003	2.7400e-003	1.0000e-005	7.7000e-004	0.0000	7.9000e-004	2.0000e-004	0.0000	2.2000e-004	0.0000	0.9044	0.9044	4.0000e-005	0.0000	0.9053

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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
Total	0.0000	0.0000	0.0000	0.0000	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.4000e-004	1.9700e-003	2.7400e-003	1.0000e-005	7.7000e-004	0.0000	7.9000e-004	2.0000e-004	0.0000	2.2000e-004	0.0000	0.9044	0.9044	4.0000e-005	0.0000	0.9053

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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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1900e-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
Total	1.8000e-003	0.0377	0.0156	9.0000e-005	3.2100e-003	1.2000e-004	3.3300e-003	8.9000e-004	1.1000e-004	1.0000e-003	0.0000	8.6251	8.6251	4.8000e-004	0.0000	8.6370

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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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1900e-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
Total	1.8000e-003	0.0377	0.0156	9.0000e-005	3.2100e-003	1.2000e-004	3.3300e-003	8.9000e-004	1.1000e-004	1.0000e-003	0.0000	8.6251	8.6251	4.8000e-004	0.0000	8.6370

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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
Total	2.7000e-003	0.0260	0.0286	4.0000e-005	0.0000	1.6700e-003	1.6700e-003	0.0000	1.5300e-003	1.5300e-003	0.0000	3.3613	3.3613	1.0900e-003	0.0000	3.3885

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.0200e-003	0.0250	8.9600e-003	5.0000e-005	1.7100e-003	7.0000e-005	1.7800e-003	4.8000e-004	7.0000e-005	5.5000e-004	0.0000	5.4113	5.4113	3.0000e-004	0.0000	5.4190

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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
Total	2.7000e-003	0.0260	0.0286	4.0000e-005	0.0000	1.6700e-003	1.6700e-003	0.0000	1.5300e-003	1.5300e-003	0.0000	3.3613	3.3613	1.0900e-003	0.0000	3.3885

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.0200e-003	0.0250	8.9600e-003	5.0000e-005	1.7100e-003	7.0000e-005	1.7800e-003	4.8000e-004	7.0000e-005	5.5000e-004	0.0000	5.4113	5.4113	3.0000e-004	0.0000	5.4190

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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
Total	9.2800e-003	0.1180	0.0454	1.4000e-004	6.3600e-003	4.0500e-003	0.0104	6.9000e-004	3.7300e-003	4.4200e-003	0.0000	12.1161	12.1161	3.9200e-003	0.0000	12.2141

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	9.6000e-004	0.0119	7.8400e-003	3.0000e-005	1.9400e-003	4.0000e-005	1.9800e-003	5.3000e-004	4.0000e-005	5.7000e-004	0.0000	3.4151	3.4151	1.7000e-004	0.0000	3.4193

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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
Total	9.2800e-003	0.1180	0.0454	1.4000e-004	2.8600e-003	4.0500e-003	6.9100e-003	3.1000e-004	3.7300e-003	4.0400e-003	0.0000	12.1161	12.1161	3.9200e-003	0.0000	12.2141

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	9.6000e-004	0.0119	7.8400e-003	3.0000e-005	1.9400e-003	4.0000e-005	1.9800e-003	5.3000e-004	4.0000e-005	5.7000e-004	0.0000	3.4151	3.4151	1.7000e-004	0.0000	3.4193

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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
Total	2.6000e-003	0.0324	0.0147	4.0000e-005	3.1800e-003	1.1800e-003	4.3600e-003	3.4000e-004	1.0900e-003	1.4300e-003	0.0000	3.4385	3.4385	1.1100e-003	0.0000	3.4663

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.8000e-004	3.1200e-003	3.0800e-003	2.0000e-005	8.3000e-004	1.0000e-005	8.4000e-004	2.2000e-004	1.0000e-005	2.4000e-004	0.0000	1.1338	1.1338	5.0000e-005	0.0000	1.1351

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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
Total	2.6000e-003	0.0324	0.0147	4.0000e-005	1.4300e-003	1.1800e-003	2.6100e-003	1.5000e-004	1.0900e-003	1.2400e-003	0.0000	3.4385	3.4385	1.1100e-003	0.0000	3.4663

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.8000e-004	3.1200e-003	3.0800e-003	2.0000e-005	8.3000e-004	1.0000e-005	8.4000e-004	2.2000e-004	1.0000e-005	2.4000e-004	0.0000	1.1338	1.1338	5.0000e-005	0.0000	1.1351

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	0.0114	0.0828	0.0907	3.5000e-004	0.0248	3.4000e-004	0.0252	6.6700e-003	3.2000e-004	7.0100e-003	0.0000	32.2138	32.2138	1.4100e-003	0.0000	32.2490

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	0.0114	0.0828	0.0907	3.5000e-004	0.0248	3.4000e-004	0.0252	6.6700e-003	3.2000e-004	7.0100e-003	0.0000	32.2138	32.2138	1.4100e-003	0.0000	32.2490

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	9.2300e-003	0.0678	0.0721	2.9000e-004	0.0215	2.7000e-004	0.0218	5.7900e-003	2.6000e-004	6.0400e-003	0.0000	27.2983	27.2983	1.1600e-003	0.0000	27.3274

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	9.2300e-003	0.0678	0.0721	2.9000e-004	0.0215	2.7000e-004	0.0218	5.7900e-003	2.6000e-004	6.0400e-003	0.0000	27.2983	27.2983	1.1600e-003	0.0000	27.3274

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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
Total	9.9000e-004	0.0101	0.0134	2.0000e-005	3.1800e-003	5.4000e-004	3.7200e-003	3.4000e-004	5.0000e-004	8.4000e-004	0.0000	1.6397	1.6397	5.3000e-004	0.0000	1.6529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.8000e-004	3.4900e-003	2.9900e-003	2.0000e-005	8.5000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.5000e-004	0.0000	1.2239	1.2239	6.0000e-005	0.0000	1.2253

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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
Total	9.9000e-004	0.0101	0.0134	2.0000e-005	1.4300e-003	5.4000e-004	1.9700e-003	1.5000e-004	5.0000e-004	6.5000e-004	0.0000	1.6397	1.6397	5.3000e-004	0.0000	1.6529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.8000e-004	3.4900e-003	2.9900e-003	2.0000e-005	8.5000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.5000e-004	0.0000	1.2239	1.2239	6.0000e-005	0.0000	1.2253

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.3000e-003	7.4300e-003	0.0101	3.0000e-005	3.1000e-003	4.0000e-005	3.1300e-003	8.3000e-004	4.0000e-005	8.6000e-004	0.0000	3.5280	3.5280	1.4000e-004	0.0000	3.5315

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.3000e-003	7.4300e-003	0.0101	3.0000e-005	3.1000e-003	4.0000e-005	3.1300e-003	8.3000e-004	4.0000e-005	8.6000e-004	0.0000	3.5280	3.5280	1.4000e-004	0.0000	3.5315

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.0600e-003	5.1100e-003	8.0900e-003	3.0000e-005	2.5300e-003	2.0000e-005	2.5500e-003	6.7000e-004	2.0000e-005	7.0000e-004	0.0000	2.7120	2.7120	1.0000e-004	0.0000	2.7146

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.0600e-003	5.1100e-003	8.0900e-003	3.0000e-005	2.5300e-003	2.0000e-005	2.5500e-003	6.7000e-004	2.0000e-005	7.0000e-004	0.0000	2.7120	2.7120	1.0000e-004	0.0000	2.7146

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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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-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
Total	5.6000e-004	3.6400e-003	4.3600e-003	2.0000e-005	1.3200e-003	2.0000e-005	1.3300e-003	3.6000e-004	2.0000e-005	3.7000e-004	0.0000	1.5839	1.5839	7.0000e-005	0.0000	1.5856

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

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-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
Total	5.6000e-004	3.6400e-003	4.3600e-003	2.0000e-005	1.3200e-003	2.0000e-005	1.3300e-003	3.6000e-004	2.0000e-005	3.7000e-004	0.0000	1.5839	1.5839	7.0000e-005	0.0000	1.5856

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.9000e-004	1.9200e-003	3.0300e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.6000e-004	2.5000e-004	0.0000	2.7000e-004	0.0000	1.0170	1.0170	4.0000e-005	0.0000	1.0180

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.9000e-004	1.9200e-003	3.0300e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.6000e-004	2.5000e-004	0.0000	2.7000e-004	0.0000	1.0170	1.0170	4.0000e-005	0.0000	1.0180

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.2500e-003	5.8000e-003	9.6100e-003	3.0000e-005	3.0200e-003	3.0000e-005	3.0500e-003	8.1000e-004	3.0000e-005	8.3000e-004	0.0000	3.1861	3.1861	1.2000e-004	0.0000	3.1891

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.2500e-003	5.8000e-003	9.6100e-003	3.0000e-005	3.0200e-003	3.0000e-005	3.0500e-003	8.1000e-004	3.0000e-005	8.3000e-004	0.0000	3.1861	3.1861	1.2000e-004	0.0000	3.1891

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	5.6000e-004	3.6400e-003	4.3600e-003	2.0000e-005	1.3200e-003	2.0000e-005	1.3300e-003	3.6000e-004	2.0000e-005	3.7000e-004	0.0000	1.5839	1.5839	7.0000e-005	0.0000	1.5856

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	5.6000e-004	3.6400e-003	4.3600e-003	2.0000e-005	1.3200e-003	2.0000e-005	1.3300e-003	3.6000e-004	2.0000e-005	3.7000e-004	0.0000	1.5839	1.5839	7.0000e-005	0.0000	1.5856

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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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	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
Total	3.1000e-004	1.3200e-003	2.3700e-003	1.0000e-005	7.4000e-004	0.0000	7.6000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.7680	0.7680	3.0000e-005	0.0000	0.7687

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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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	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
Total	3.1000e-004	1.3200e-003	2.3700e-003	1.0000e-005	7.4000e-004	0.0000	7.6000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.7680	0.7680	3.0000e-005	0.0000	0.7687

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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
Total	4.9000e-004	5.0300e-003	6.7100e-003	1.0000e-005	3.1800e-003	2.7000e-004	3.4500e-003	3.4000e-004	2.5000e-004	5.9000e-004	0.0000	0.8198	0.8198	2.7000e-004	0.0000	0.8265

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.4000e-004	3.3800e-003	1.9600e-003	1.0000e-005	5.1000e-004	1.0000e-005	5.2000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.9538	0.9538	5.0000e-005	0.0000	0.9550

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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
Total	4.9000e-004	5.0300e-003	6.7100e-003	1.0000e-005	1.4300e-003	2.7000e-004	1.7000e-003	1.5000e-004	2.5000e-004	4.0000e-004	0.0000	0.8198	0.8198	2.7000e-004	0.0000	0.8265

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.4000e-004	3.3800e-003	1.9600e-003	1.0000e-005	5.1000e-004	1.0000e-005	5.2000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.9538	0.9538	5.0000e-005	0.0000	0.9550

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.9900e-003	0.0245	0.0309	1.2000e-004	9.4100e-003	1.1000e-004	9.5200e-003	2.5300e-003	1.0000e-004	2.6300e-003	0.0000	11.0397	11.0397	4.5000e-004	0.0000	11.0509

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.9900e-003	0.0245	0.0309	1.2000e-004	9.4100e-003	1.1000e-004	9.5200e-003	2.5300e-003	1.0000e-004	2.6300e-003	0.0000	11.0397	11.0397	4.5000e-004	0.0000	11.0509

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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
Total	2.3600e-003	0.0287	0.0145	4.0000e-005	3.1800e-003	1.0200e-003	4.2000e-003	3.4000e-004	9.4000e-004	1.2800e-003	0.0000	3.4378	3.4378	1.1100e-003	0.0000	3.4656

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	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
Total	4.0000e-004	4.0300e-003	3.1400e-003	2.0000e-005	8.8000e-004	1.0000e-005	9.0000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	1.3378	1.3378	7.0000e-005	0.0000	1.3394

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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
Total	2.3600e-003	0.0287	0.0145	4.0000e-005	1.4300e-003	1.0200e-003	2.4500e-003	1.5000e-004	9.4000e-004	1.0900e-003	0.0000	3.4378	3.4378	1.1100e-003	0.0000	3.4655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	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
Total	4.0000e-004	4.0300e-003	3.1400e-003	2.0000e-005	8.8000e-004	1.0000e-005	9.0000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	1.3378	1.3378	7.0000e-005	0.0000	1.3394

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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5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use		tons/yr															MT/yr		
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	Total	
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	0.0000	0.0000	0.0000	User Defined Industrial	0.0000
																		Total	0.0000

Mitigated

Land Use		tons/yr															MT/yr		
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	Total	
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	0.0000	0.0000	0.0000	User Defined Industrial	0.0000
																		Total	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

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

Mitigated

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

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
Total	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

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
Total	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

7.0 Water Detail

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
Total		0.0000	0.0000	0.0000	0.0000

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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
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

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

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
Total		0.0000	0.0000	0.0000

Mitigated

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

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

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

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

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

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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

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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
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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

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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

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

tblOffRoadEquipment	HorsePower	65.00	231.00
tblOffRoadEquipment	LoadFactor	0.37	0.29
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

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

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
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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	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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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
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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, Summer

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
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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	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

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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	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

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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
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tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
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	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	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

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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	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
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

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tblTripsAndVMT	VendorTripNumber	852.00	11.00
tblTripsAndVMT	VendorTripNumber	852.00	12.00
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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
tblTripsAndVMT	VendorTripNumber	0.00	29.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
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

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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
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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
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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

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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, 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

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
Total	111.3014	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

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
Total	111.3014	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

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

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

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

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

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

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

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, Summer

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, Summer

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
Total	0.4334	5.3913	2.4555	6.5200e-003	0.5303	0.1967	0.7269	0.0573	0.1809	0.2382		631.7131	631.7131	0.2043		636.8208

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0774	0.9835	0.6476	3.0800e-003	0.1651	3.3800e-003	0.1685	0.0448	3.2200e-003	0.0481		320.6447	320.6447	0.0153		321.0259

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

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
Total	0.4334	5.3913	2.4555	6.5200e-003	0.2386	0.1967	0.4353	0.0258	0.1809	0.2067	0.0000	631.7131	631.7131	0.2043		636.8208

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0774	0.9835	0.6476	3.0800e-003	0.1651	3.3800e-003	0.1685	0.0448	3.2200e-003	0.0481		320.6447	320.6447	0.0153		321.0259

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
Total	0.3746	3.7916	4.5205	6.2100e-003	0.0000	0.2236	0.2236	0.0000	0.2057	0.2057		601.8002	601.8002	0.1946		606.6660

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1775	3.1830	1.5054	8.4000e-003	0.3509	9.9700e-003	0.3609	0.0966	9.5000e-003	0.1061		883.2166	883.2166	0.0451		884.3433

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
Total	0.3746	3.7916	4.5205	6.2100e-003	0.0000	0.2236	0.2236	0.0000	0.2057	0.2057	0.0000	601.8002	601.8002	0.1946		606.6660

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1775	3.1830	1.5054	8.4000e-003	0.3509	9.9700e-003	0.3609	0.0966	9.5000e-003	0.1061		883.2166	883.2166	0.0451		884.3433

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
Total	0.4802	5.8653	3.0206	7.3000e-003	0.5303	0.2246	0.7549	0.0573	0.2066	0.2639		706.9381	706.9381	0.2286		712.6541

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0963	1.0908	0.8027	3.6300e-003	0.2093	3.9000e-003	0.2132	0.0567	3.6900e-003	0.0604		377.6964	377.6964	0.0175		378.1345

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
Total	0.4802	5.8653	3.0206	7.3000e-003	0.2386	0.2246	0.4632	0.0258	0.2066	0.2324	0.0000	706.9381	706.9381	0.2286		712.6541

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0963	1.0908	0.8027	3.6300e-003	0.2093	3.9000e-003	0.2132	0.0567	3.6900e-003	0.0604		377.6964	377.6964	0.0175		378.1345

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
Total	6.0246	59.6598	36.8525	0.1047	6.1134	2.4489	8.5623	3.3228	2.2530	5.5757		10,138.6407	10,138.6407	3.2790		10,220.6167

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.4485	13.2323	3.6504	0.0368	0.9820	0.0553	1.0372	0.2680	0.0528	0.3209		3,957.1111	3,957.1111	0.2202		3,962.6166

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
Total	6.0246	59.6598	36.8525	0.1047	2.7510	2.4489	5.1999	1.4953	2.2530	3.7482	0.0000	10,138.6406	10,138.6406	3.2790		10,220.6167

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.4485	13.2323	3.6504	0.0368	0.9820	0.0553	1.0372	0.2680	0.0528	0.3209		3,957.1111	3,957.1111	0.2202		3,962.6166

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
Total	0.3201	3.9102	2.0137	4.8700e-003	0.6231	0.1497	0.7728	0.0713	0.1378	0.2091		471.2921	471.2921	0.1524		475.1027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.5699	18.7986	4.6215	0.0515	1.2462	0.0790	1.3253	0.3408	0.0756	0.4164		5,550.8000	5,550.8000	0.3129		5,558.6218

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
Total	0.3201	3.9102	2.0137	4.8700e-003	0.2804	0.1497	0.4301	0.0321	0.1378	0.1699	0.0000	471.2921	471.2921	0.1524		475.1027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.5699	18.7986	4.6215	0.0515	1.2462	0.0790	1.3253	0.3408	0.0756	0.4164		5,550.8000	5,550.8000	0.3129		5,558.6218

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1288	2.8676	1.1048	6.9100e-003	0.2381	8.5700e-003	0.2467	0.0663	8.1700e-003	0.0745		729.9095	729.9095	0.0388		730.8790

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1288	2.8676	1.1048	6.9100e-003	0.2381	8.5700e-003	0.2467	0.0663	8.1700e-003	0.0745		729.9095	729.9095	0.0388		730.8790

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1979	1.3564	1.6285	6.1900e-003	0.4558	5.9000e-003	0.4617	0.1223	5.5600e-003	0.1278		634.5843	634.5843	0.0264		635.2433

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1979	1.3564	1.6285	6.1900e-003	0.4558	5.9000e-003	0.4617	0.1223	5.5600e-003	0.1278		634.5843	634.5843	0.0264		635.2433

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1152	1.1981	0.9577	4.2000e-003	0.2534	4.4000e-003	0.2579	0.0685	4.1700e-003	0.0727		434.7482	434.7482	0.0198		435.2431

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1152	1.1981	0.9577	4.2000e-003	0.2534	4.4000e-003	0.2579	0.0685	4.1700e-003	0.0727		434.7482	434.7482	0.0198		435.2431

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0863	1.2671	0.7259	3.6900e-003	0.1790	4.1800e-003	0.1832	0.0488	3.9800e-003	0.0528		384.7116	384.7116	0.0189		385.1831

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0863	1.2671	0.7259	3.6900e-003	0.1790	4.1800e-003	0.1832	0.0488	3.9800e-003	0.0528		384.7116	384.7116	0.0189		385.1831

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0585	0.8762	0.4926	2.5200e-003	0.1209	2.8800e-003	0.1238	0.0330	2.7300e-003	0.0358		263.5930	263.5930	0.0130		263.9173

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0585	0.8762	0.4926	2.5200e-003	0.1209	2.8800e-003	0.1238	0.0330	2.7300e-003	0.0358		263.5930	263.5930	0.0130		263.9173

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1875	3.0068	1.5822	8.3600e-003	0.3812	9.6900e-003	0.3909	0.1044	9.2200e-003	0.1136		876.2015	876.2015	0.0437		877.2948

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1875	3.0068	1.5822	8.3600e-003	0.3812	9.6900e-003	0.3909	0.1044	9.2200e-003	0.1136		876.2015	876.2015	0.0437		877.2948

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1492	1.0410	1.2279	4.6900e-003	0.3430	4.4900e-003	0.3475	0.0920	4.2300e-003	0.0963		481.2771	481.2771	0.0201		481.7789

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1492	1.0410	1.2279	4.6900e-003	0.3430	4.4900e-003	0.3475	0.0920	4.2300e-003	0.0963		481.2771	481.2771	0.0201		481.7789

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0904	0.9018	0.7505	3.2300e-003	0.2000	3.3700e-003	0.2033	0.0540	3.1800e-003	0.0572		334.9851	334.9851	0.0151		335.3631

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0904	0.9018	0.7505	3.2300e-003	0.2000	3.3700e-003	0.2033	0.0540	3.1800e-003	0.0572		334.9851	334.9851	0.0151		335.3631

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1258	2.7730	1.0787	6.7100e-003	0.2335	8.3000e-003	0.2418	0.0650	7.9100e-003	0.0729		708.5538	708.5538	0.0376		709.4932

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1258	2.7730	1.0787	6.7100e-003	0.2335	8.3000e-003	0.2418	0.0650	7.9100e-003	0.0729		708.5538	708.5538	0.0376		709.4932

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1521	1.1355	1.2539	4.8900e-003	0.3477	4.7600e-003	0.3524	0.0934	4.4800e-003	0.0979		502.6327	502.6327	0.0213		503.1646

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1521	1.1355	1.2539	4.8900e-003	0.3477	4.7600e-003	0.3524	0.0934	4.4800e-003	0.0979		502.6327	502.6327	0.0213		503.1646

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0834	1.1726	0.6998	3.4900e-003	0.1743	3.9100e-003	0.1783	0.0475	3.7200e-003	0.0512		363.3560	363.3560	0.0177		363.7974

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0834	1.1726	0.6998	3.4900e-003	0.1743	3.9100e-003	0.1783	0.0475	3.7200e-003	0.0512		363.3560	363.3560	0.0177		363.7974

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0458	0.2210	0.3745	1.3000e-003	0.1082	1.1400e-003	0.1093	0.0289	1.0700e-003	0.0300		131.9515	131.9515	5.0900e-003		132.0787

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0458	0.2210	0.3745	1.3000e-003	0.1082	1.1400e-003	0.1093	0.0289	1.0700e-003	0.0300		131.9515	131.9515	5.0900e-003		132.0787

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1288	2.8676	1.1048	6.9100e-003	0.2381	8.5700e-003	0.2467	0.0663	8.1700e-003	0.0745		729.9095	729.9095	0.0388		730.8790

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1288	2.8676	1.1048	6.9100e-003	0.2381	8.5700e-003	0.2467	0.0663	8.1700e-003	0.0745		729.9095	729.9095	0.0388		730.8790

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1971	4.3045	1.6894	0.0105	0.3671	0.0129	0.3800	0.1021	0.0123	0.1145		1,103.7883	1,103.7883	0.0584		1,105.2491

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1971	4.3045	1.6894	0.0105	0.3671	0.0129	0.3800	0.1021	0.0123	0.1145		1,103.7883	1,103.7883	0.0584		1,105.2491

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0487	0.3155	0.4006	1.5000e-003	0.1128	1.4100e-003	0.1142	0.0302	1.3200e-003	0.0316		153.3072	153.3072	6.2900e-003		153.4644

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0487	0.3155	0.4006	1.5000e-003	0.1128	1.4100e-003	0.1142	0.0302	1.3200e-003	0.0316		153.3072	153.3072	6.2900e-003		153.4644

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1527	2.8867	1.2982	7.4400e-003	0.2975	8.9400e-003	0.3064	0.0821	8.5100e-003	0.0906		783.4536	783.4536	0.0404		784.4633

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1527	2.8867	1.2982	7.4400e-003	0.2975	8.9400e-003	0.3064	0.0821	8.5100e-003	0.0906		783.4536	783.4536	0.0404		784.4633

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
Total	0.5466	6.8725	2.8973	8.1800e-003	0.5303	0.2436	0.7738	0.0573	0.2241	0.2814		792.1342	792.1342	0.2562		798.5390

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0665	0.8826	0.5571	2.7000e-003	0.1407	3.0000e-003	0.1436	0.0383	2.8400e-003	0.0411		281.4410	281.4410	0.0135		281.7787

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
Total	0.5466	6.8725	2.8973	8.1800e-003	0.2386	0.2436	0.4822	0.0258	0.2241	0.2499	0.0000	792.1342	792.1342	0.2562		798.5390

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0665	0.8826	0.5571	2.7000e-003	0.1407	3.0000e-003	0.1436	0.0383	2.8400e-003	0.0411		281.4410	281.4410	0.0135		281.7787

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0537	0.2273	0.4390	1.4800e-003	0.1279	1.2600e-003	0.1292	0.0341	1.1900e-003	0.0353		149.7996	149.7996	5.6300e-003		149.9401

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0537	0.2273	0.4390	1.4800e-003	0.1279	1.2600e-003	0.1292	0.0341	1.1900e-003	0.0353		149.7996	149.7996	5.6300e-003		149.9401

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0952	1.5506	0.8041	4.2900e-003	0.1929	4.9700e-003	0.1979	0.0529	4.7400e-003	0.0576		448.7786	448.7786	0.0225		449.3403

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0952	1.5506	0.8041	4.2900e-003	0.1929	4.9700e-003	0.1979	0.0529	4.7400e-003	0.0576		448.7786	448.7786	0.0225		449.3403

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1228	2.6785	1.0526	6.5100e-003	0.2289	8.0300e-003	0.2369	0.0637	7.6600e-003	0.0713		687.1982	687.1982	0.0364		688.1075

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1228	2.6785	1.0526	6.5100e-003	0.2289	8.0300e-003	0.2369	0.0637	7.6600e-003	0.0713		687.1982	687.1982	0.0364		688.1075

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
Total	0.0000	0.0000	0.0000	0.0000	0.5303	0.0000	0.5303	0.0573	0.0000	0.0573		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0319	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
Total	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

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
Total	0.0000	0.0000	0.0000	0.0000	0.2386	0.0000	0.2386	0.0258	0.0000	0.0258	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0319	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
Total	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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0487	0.3155	0.4006	1.5000e-003	0.1128	1.4100e-003	0.1142	0.0302	1.3200e-003	0.0316		153.3072	153.3072	6.2900e-003		153.4644

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0487	0.3155	0.4006	1.5000e-003	0.1128	1.4100e-003	0.1142	0.0302	1.3200e-003	0.0316		153.3072	153.3072	6.2900e-003		153.4644

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
Total	0.0000	0.0000	0.0000	0.0000	0.5303	0.0000	0.5303	0.0573	0.0000	0.0573		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0378	0.2146	0.3100	1.1200e-003	0.0884	1.0200e-003	0.0894	0.0237	9.6000e-004	0.0246		114.1035	114.1035	4.5500e-003		114.2172

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
Total	0.0000	0.0000	0.0000	0.0000	0.2386	0.0000	0.2386	0.0258	0.0000	0.0258	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0378	0.2146	0.3100	1.1200e-003	0.0884	1.0200e-003	0.0894	0.0237	9.6000e-004	0.0246		114.1035	114.1035	4.5500e-003		114.2172

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0771	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
Total	0.1169	2.4895	1.0005	6.1100e-003	0.2196	7.5000e-003	0.2271	0.0610	7.1500e-003	0.0681		644.4869	644.4869	0.0340		645.3361

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0771	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
Total	0.1169	2.4895	1.0005	6.1100e-003	0.2196	7.5000e-003	0.2271	0.0610	7.1500e-003	0.0681		644.4869	644.4869	0.0340		645.3361

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
Total	0.3002	2.8932	3.1755	4.2500e-003	0.0000	0.1851	0.1851	0.0000	0.1703	0.1703		411.6887	411.6887	0.1332		415.0174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1099	2.7603	0.9498	6.3500e-003	0.1940	8.0600e-003	0.2020	0.0545	7.6900e-003	0.0622		672.8578	672.8578	0.0365		673.7703

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
Total	0.3002	2.8932	3.1755	4.2500e-003	0.0000	0.1851	0.1851	0.0000	0.1703	0.1703	0.0000	411.6887	411.6887	0.1332		415.0174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1099	2.7603	0.9498	6.3500e-003	0.1940	8.0600e-003	0.2020	0.0545	7.6900e-003	0.0622		672.8578	672.8578	0.0365		673.7703

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
Total	0.7731	9.8348	3.7809	0.0115	0.5303	0.3374	0.8677	0.0573	0.3104	0.3677		1,112.9762	1,112.9762	0.3600		1,121.9752

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0774	0.9835	0.6476	3.0800e-003	0.1651	3.3800e-003	0.1685	0.0448	3.2200e-003	0.0481		320.6447	320.6447	0.0153		321.0259

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
Total	0.7731	9.8348	3.7809	0.0115	0.2386	0.3374	0.5760	0.0258	0.3104	0.3362	0.0000	1,112.9762	1,112.9762	0.3600		1,121.9752

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0774	0.9835	0.6476	3.0800e-003	0.1651	3.3800e-003	0.1685	0.0448	3.2200e-003	0.0481		320.6447	320.6447	0.0153		321.0259

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
Total	0.4334	5.3913	2.4555	6.5200e-003	0.5303	0.1967	0.7269	0.0573	0.1809	0.2382		631.7131	631.7131	0.2043		636.8208

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0626	0.5109	0.5172	2.0800e-003	0.1418	2.0600e-003	0.1439	0.0382	1.9500e-003	0.0401		213.8665	213.8665	9.2400e-003		214.0973

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
Total	0.4334	5.3913	2.4555	6.5200e-003	0.2386	0.1967	0.4353	0.0258	0.1809	0.2067	0.0000	631.7131	631.7131	0.2043		636.8208

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0626	0.5109	0.5172	2.0800e-003	0.1418	2.0600e-003	0.1439	0.0382	1.9500e-003	0.0401		213.8665	213.8665	9.2400e-003		214.0973

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.2118	1.5518	1.7451	6.7700e-003	0.4849	6.5500e-003	0.4914	0.1302	6.1700e-003	0.1364		695.1436	695.1436	0.0293		695.8762

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.2118	1.5518	1.7451	6.7700e-003	0.4849	6.5500e-003	0.4914	0.1302	6.1700e-003	0.1364		695.1436	695.1436	0.0293		695.8762

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1981	1.4688	1.6031	6.6100e-003	0.4849	5.9900e-003	0.4909	0.1302	5.6400e-003	0.1358		679.6239	679.6239	0.0279		680.3220

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1981	1.4688	1.6031	6.6100e-003	0.4849	5.9900e-003	0.4909	0.1302	5.6400e-003	0.1358		679.6239	679.6239	0.0279		680.3220

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
Total	0.1647	1.6756	2.2379	3.1100e-003	0.5303	0.0901	0.6204	0.0573	0.0829	0.1402		301.2390	301.2390	0.0974		303.6746

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0613	0.5738	0.4993	2.2300e-003	0.1465	2.1100e-003	0.1486	0.0395	2.0000e-003	0.0415		230.5459	230.5459	0.0100		230.7963

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
Total	0.1647	1.6756	2.2379	3.1100e-003	0.2386	0.0901	0.3287	0.0258	0.0829	0.1087	0.0000	301.2390	301.2390	0.0974		303.6746

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0613	0.5738	0.4993	2.2300e-003	0.1465	2.1100e-003	0.1486	0.0395	2.0000e-003	0.0415		230.5459	230.5459	0.0100		230.7963

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1061	0.6082	0.8542	3.2600e-003	0.2651	2.8300e-003	0.2680	0.0710	2.6600e-003	0.0736		333.8051	333.8051	0.0129		334.1276

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1061	0.6082	0.8542	3.2600e-003	0.2651	2.8300e-003	0.2680	0.0710	2.6600e-003	0.0736		333.8051	333.8051	0.0129		334.1276

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0857	0.4169	0.6878	2.5300e-003	0.2163	2.1200e-003	0.2184	0.0578	1.9900e-003	0.0598		256.9565	256.9565	9.5600e-003		257.1955

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0857	0.4169	0.6878	2.5300e-003	0.2163	2.1200e-003	0.2184	0.0578	1.9900e-003	0.0598		256.9565	256.9565	9.5600e-003		257.1955

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0456	0.2984	0.3680	1.4600e-003	0.1128	1.2900e-003	0.1141	0.0302	1.2200e-003	0.0315		149.6927	149.6927	5.9600e-003		149.8419

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0456	0.2984	0.3680	1.4600e-003	0.1128	1.2900e-003	0.1141	0.0302	1.2200e-003	0.0315		149.6927	149.6927	5.9600e-003		149.8419

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0429	0.2085	0.3439	1.2600e-003	0.1082	1.0600e-003	0.1092	0.0289	1.0000e-003	0.0299		128.4782	128.4782	4.7800e-003		128.5978

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0429	0.2085	0.3439	1.2600e-003	0.1082	1.0600e-003	0.1092	0.0289	1.0000e-003	0.0299		128.4782	128.4782	4.7800e-003		128.5978

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0680	0.3156	0.5454	1.9800e-003	0.1721	1.6500e-003	0.1738	0.0460	1.5500e-003	0.0475		201.3223	201.3223	7.4100e-003		201.5076

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0680	0.3156	0.5454	1.9800e-003	0.1721	1.6500e-003	0.1738	0.0460	1.5500e-003	0.0475		201.3223	201.3223	7.4100e-003		201.5076

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0456	0.2984	0.3680	1.4600e-003	0.1128	1.2900e-003	0.1141	0.0302	1.2200e-003	0.0315		149.6927	149.6927	5.9600e-003		149.8419

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0456	0.2984	0.3680	1.4600e-003	0.1128	1.2900e-003	0.1141	0.0302	1.2200e-003	0.0315		149.6927	149.6927	5.9600e-003		149.8419

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0252	0.1071	0.2015	7.2000e-004	0.0640	5.9000e-004	0.0646	0.0171	5.5000e-004	0.0176		72.8441	72.8441	2.6300e-003		72.9098

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0252	0.1071	0.2015	7.2000e-004	0.0640	5.9000e-004	0.0646	0.0171	5.5000e-004	0.0176		72.8441	72.8441	2.6300e-003		72.9098

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
Total	0.0824	0.8378	1.1190	1.5600e-003	0.5303	0.0451	0.5753	0.0573	0.0415	0.0987		150.6195	150.6195	0.0487		151.8373

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0389	0.5565	0.3218	1.7100e-003	0.0872	1.7600e-003	0.0889	0.0238	1.6700e-003	0.0254		178.9163	178.9163	8.5700e-003		179.1306

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
Total	0.0824	0.8378	1.1190	1.5600e-003	0.2386	0.0451	0.2837	0.0258	0.0415	0.0672	0.0000	150.6195	150.6195	0.0487		151.8373

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0389	0.5565	0.3218	1.7100e-003	0.0872	1.7600e-003	0.0889	0.0238	1.6700e-003	0.0254		178.9163	178.9163	8.5700e-003		179.1306

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1619	1.0022	1.3054	5.1000e-003	0.4023	4.4700e-003	0.4068	0.1078	4.2000e-003	0.1120		521.9221	521.9221	0.0205		522.4356

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1619	1.0022	1.3054	5.1000e-003	0.4023	4.4700e-003	0.4068	0.1078	4.2000e-003	0.1120		521.9221	521.9221	0.0205		522.4356

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
Total	0.3936	4.7810	2.4103	6.5200e-003	0.5303	0.1705	0.7007	0.0573	0.1568	0.2141		631.5787	631.5787	0.2043		636.6853

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0640	0.6637	0.5233	2.4300e-003	0.1511	2.3400e-003	0.1535	0.0408	2.2200e-003	0.0430		251.7603	251.7603	0.0112		252.0404

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
Total	0.3936	4.7810	2.4103	6.5200e-003	0.2386	0.1705	0.4091	0.0258	0.1568	0.1826	0.0000	631.5787	631.5787	0.2043		636.6853

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0640	0.6637	0.5233	2.4300e-003	0.1511	2.3400e-003	0.1535	0.0408	2.2200e-003	0.0430		251.7603	251.7603	0.0112		252.0404

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

Land Use		lb/day																			
NaturalGas Use	kgTU/yr	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use		lb/day																			
NaturalGas Use	kgTU/yr	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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
Total	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

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

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
Total	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

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

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

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	3			Operational Year	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	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
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tblConstructionPhase	NumDays	3,100.00	12.00
tblConstructionPhase	NumDays	3,100.00	144.00
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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
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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
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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
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

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

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

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

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

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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
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tblOffRoadEquipment	UsageHours	7.00	8.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
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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
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tblTripsAndVMT	VendorTripNumber	0.00	9.00
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tblTripsAndVMT	VendorTripNumber	852.00	4.00
tblTripsAndVMT	VendorTripNumber	852.00	3.00
tblTripsAndVMT	VendorTripNumber	852.00	2.00
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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
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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
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tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
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tblTripsAndVMT	WorkerTripNumber	5.00	12.00
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tblTripsAndVMT	WorkerTripNumber	2,184.00	10.00
tblTripsAndVMT	WorkerTripNumber	2,184.00	6.00
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tblTripsAndVMT	WorkerTripNumber	2,184.00	36.00
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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, 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

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
Total	111.3014	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

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
Total	111.3014	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

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

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

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

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

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, Winter

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 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 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 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
Reconductoring Cleanup Pastore	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 Pastore	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 Pastore	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
Total	0.4334	5.3913	2.4555	6.5200e-003	0.5303	0.1967	0.7269	0.0573	0.1809	0.2382		631.7131	631.7131	0.2043		636.8208

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0862	0.9825	0.6706	2.9600e-003	0.1651	3.5400e-003	0.1686	0.0448	3.3700e-003	0.0482		309.0772	309.0772	0.0160		309.4769

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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
Total	0.4334	5.3913	2.4555	6.5200e-003	0.2386	0.1967	0.4353	0.0258	0.1809	0.2067	0.0000	631.7131	631.7131	0.2043		636.8208

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0862	0.9825	0.6706	2.9600e-003	0.1651	3.5400e-003	0.1686	0.0448	3.3700e-003	0.0482		309.0772	309.0772	0.0160		309.4769

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
Total	0.3746	3.7916	4.5205	6.2100e-003	0.0000	0.2236	0.2236	0.0000	0.2057	0.2057		601.8002	601.8002	0.1946		606.6660

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1951	3.1712	1.6001	8.1200e-003	0.3509	0.0105	0.3614	0.0966	9.9900e-003	0.1066		853.2345	853.2345	0.0477		854.4268

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
Total	0.3746	3.7916	4.5205	6.2100e-003	0.0000	0.2236	0.2236	0.0000	0.2057	0.2057	0.0000	601.8002	601.8002	0.1946		606.6660

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1951	3.1712	1.6001	8.1200e-003	0.3509	0.0105	0.3614	0.0966	9.9900e-003	0.1066		853.2345	853.2345	0.0477		854.4268

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
Total	0.4802	5.8653	3.0206	7.3000e-003	0.5303	0.2246	0.7549	0.0573	0.2066	0.2639		706.9381	706.9381	0.2286		712.6541

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1075	1.0909	0.8253	3.5100e-003	0.2093	4.0700e-003	0.2133	0.0567	3.8500e-003	0.0605		363.8021	363.8021	0.0183		364.2599

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
Total	0.4802	5.8653	3.0206	7.3000e-003	0.2386	0.2246	0.4632	0.0258	0.2066	0.2324	0.0000	706.9381	706.9381	0.2286		712.6541

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1075	1.0909	0.8253	3.5100e-003	0.2093	4.0700e-003	0.2133	0.0567	3.8500e-003	0.0605		363.8021	363.8021	0.0183		364.2599

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
Total	6.0246	59.6598	36.8525	0.1047	6.1134	2.4489	8.5623	3.3228	2.2530	5.5757		10,138.6407	10,138.6407	3.2790		10,220.6167

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.4711	13.3066	3.8357	0.0362	0.9820	0.0567	1.0386	0.2680	0.0542	0.3222		3,888.3706	3,888.3706	0.2274		3,894.0546

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
Total	6.0246	59.6598	36.8525	0.1047	2.7510	2.4489	5.1999	1.4953	2.2530	3.7482	0.0000	10,138.6406	10,138.6406	3.2790		10,220.6167

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.4711	13.3066	3.8357	0.0362	0.9820	0.0567	1.0386	0.2680	0.0542	0.3222		3,888.3706	3,888.3706	0.2274		3,894.0546

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
Total	0.3201	3.9102	2.0137	4.8700e-003	0.6231	0.1497	0.7728	0.0713	0.1378	0.2091		471.2921	471.2921	0.1524		475.1027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.5916	18.9088	4.8806	0.0507	1.2462	0.0809	1.3272	0.3408	0.0774	0.4182		5,462.0917	5,462.0917	0.3229		5,470.1631

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
Total	0.3201	3.9102	2.0137	4.8700e-003	0.2804	0.1497	0.4301	0.0321	0.1378	0.1699	0.0000	471.2921	471.2921	0.1524		475.1027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.5916	18.9088	4.8806	0.0507	1.2462	0.0809	1.3272	0.3408	0.0774	0.4182		5,462.0917	5,462.0917	0.3229		5,470.1631

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1402	2.8533	1.1987	6.6800e-003	0.2381	9.0300e-003	0.2472	0.0663	8.6200e-003	0.0750		706.0721	706.0721	0.0413		707.1031

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1402	2.8533	1.1987	6.6800e-003	0.2381	9.0300e-003	0.2472	0.0663	8.6200e-003	0.0750		706.0721	706.0721	0.0413		707.1031

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.2230	1.3656	1.6350	5.9500e-003	0.4558	6.1000e-003	0.4619	0.1223	5.7500e-003	0.1280		609.3502	609.3502	0.0271		610.0275

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	3,609.205 1	3,609.205 1	1.1673		3,638.387 4
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.2230	1.3656	1.6350	5.9500e-003	0.4558	6.1000e-003	0.4619	0.1223	5.7500e-003	0.1280		609.3502	609.3502	0.0271		610.0275

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1289	1.1993	0.9799	4.0400e-003	0.2534	4.5900e-003	0.2580	0.0685	4.3500e-003	0.0728		418.5271	418.5271	0.0206		419.0429

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1289	1.1993	0.9799	4.0400e-003	0.2534	4.5900e-003	0.2580	0.0685	4.3500e-003	0.0728		418.5271	418.5271	0.0206		419.0429

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0956	1.2642	0.7592	3.5500e-003	0.1790	4.3800e-003	0.1834	0.0488	4.1700e-003	0.0530		371.1783	371.1783	0.0199		371.6746

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0956	1.2642	0.7592	3.5500e-003	0.1790	4.3800e-003	0.1834	0.0488	4.1700e-003	0.0530		371.1783	371.1783	0.0199		371.6746

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0648	0.8741	0.5160	2.4300e-003	0.1209	3.0200e-003	0.1239	0.0330	2.8700e-003	0.0359		254.3523	254.3523	0.0137		254.6939

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0648	0.8741	0.5160	2.4300e-003	0.1209	3.0200e-003	0.1239	0.0330	2.8700e-003	0.0359		254.3523	254.3523	0.0137		254.6939

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.2070	2.9979	1.6661	8.0800e-003	0.3812	0.0102	0.3914	0.1044	9.6800e-003	0.1141		845.8584	845.8584	0.0462		847.0121

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.2070	2.9979	1.6661	8.0800e-003	0.3812	0.0102	0.3914	0.1044	9.6800e-003	0.1141		845.8584	845.8584	0.0462		847.0121

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1681	1.0477	1.2336	4.5000e-003	0.3430	4.6500e-003	0.3477	0.0920	4.3800e-003	0.0964		462.1877	462.1877	0.0207		462.7038

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1681	1.0477	1.2336	4.5000e-003	0.3430	4.6500e-003	0.3477	0.0920	4.3800e-003	0.0964		462.1877	462.1877	0.0207		462.7038

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1012	0.9031	0.7662	3.1200e-003	0.2000	3.5100e-003	0.2035	0.0540	3.3200e-003	0.0573		322.4014	322.4014	0.0157		322.7948

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1012	0.9031	0.7662	3.1200e-003	0.2000	3.5100e-003	0.2035	0.0540	3.3200e-003	0.0573		322.4014	322.4014	0.0157		322.7948

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1370	2.7594	1.1692	6.4900e-003	0.2335	8.7500e-003	0.2423	0.0650	8.3500e-003	0.0734		685.3717	685.3717	0.0400		686.3705

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1370	2.7594	1.1692	6.4900e-003	0.2335	8.7500e-003	0.2423	0.0650	8.3500e-003	0.0734		685.3717	685.3717	0.0400		686.3705

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		3,814.2082	3,814.2082	1.2336		3,845.0480
Total	2.1408	21.4378	11.6701	0.0394		0.8291	0.8291		0.7628	0.7628		3,814.2082	3,814.2082	1.2336		3,845.0480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1712	1.1416	1.2631	4.7000e-003	0.3477	4.9300e-003	0.3526	0.0934	4.6400e-003	0.0980		482.8881	482.8881	0.0219		483.4363

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1712	1.1416	1.2631	4.7000e-003	0.3477	4.9300e-003	0.3526	0.0934	4.6400e-003	0.0980		482.8881	482.8881	0.0219		483.4363

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0925	1.1703	0.7297	3.3500e-003	0.1743	4.1000e-003	0.1785	0.0475	3.9000e-003	0.0514		350.4779	350.4779	0.0186		350.9421

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0925	1.1703	0.7297	3.3500e-003	0.1743	4.1000e-003	0.1785	0.0475	3.9000e-003	0.0514		350.4779	350.4779	0.0186		350.9421

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0518	0.2240	0.3718	1.2400e-003	0.1082	1.1700e-003	0.1093	0.0289	1.1000e-003	0.0300		126.4621	126.4621	5.1700e-003		126.5912

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0518	0.2240	0.3718	1.2400e-003	0.1082	1.1700e-003	0.1093	0.0289	1.1000e-003	0.0300		126.4621	126.4621	5.1700e-003		126.5912

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1402	2.8533	1.1987	6.6800e-003	0.2381	9.0300e-003	0.2472	0.0663	8.6200e-003	0.0750		706.0721	706.0721	0.0413		707.1031

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1402	2.8533	1.1987	6.6800e-003	0.2381	9.0300e-003	0.2472	0.0663	8.6200e-003	0.0750		706.0721	706.0721	0.0413		707.1031

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.2148	4.2836	1.8293	0.0101	0.3671	0.0136	0.3807	0.1021	0.0130	0.1151		1,067.614 2	1,067.614 2	0.0621		1,069.167 3

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.2148	4.2836	1.8293	0.0101	0.3671	0.0136	0.3807	0.1021	0.0130	0.1151		1,067.614 2	1,067.614 2	0.0621		1,069.167 3

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0550	0.3179	0.4014	1.4300e-003	0.1128	1.4500e-003	0.1142	0.0302	1.3700e-003	0.0316		147.1625	147.1625	6.4600e-003		147.3237

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0550	0.3179	0.4014	1.4300e-003	0.1128	1.4500e-003	0.1142	0.0302	1.3700e-003	0.0316		147.1625	147.1625	6.4600e-003		147.3237

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1675	2.8750	1.3864	7.2000e-003	0.2975	9.4000e-003	0.3069	0.0821	8.9600e-003	0.0910		757.1089	757.1089	0.0428		758.1787

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1675	2.8750	1.3864	7.2000e-003	0.2975	9.4000e-003	0.3069	0.0821	8.9600e-003	0.0910		757.1089	757.1089	0.0428		758.1787

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
Total	0.5466	6.8725	2.8973	8.1800e-003	0.5303	0.2436	0.7738	0.0573	0.2241	0.2814		792.1342	792.1342	0.2562		798.5390

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0739	0.8813	0.5786	2.6000e-003	0.1407	3.1400e-003	0.1438	0.0383	2.9800e-003	0.0412		271.3646	271.3646	0.0142		271.7191

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
Total	0.5466	6.8725	2.8973	8.1800e-003	0.2386	0.2436	0.4822	0.0258	0.2241	0.2499	0.0000	792.1342	792.1342	0.2562		798.5390

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0739	0.8813	0.5786	2.6000e-003	0.1407	3.1400e-003	0.1438	0.0383	2.9800e-003	0.0412		271.3646	271.3646	0.0142		271.7191

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0609	0.2313	0.4344	1.4100e-003	0.1279	1.2900e-003	0.1292	0.0341	1.2200e-003	0.0354		143.4744	143.4744	5.6800e-003		143.6164

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0609	0.2313	0.4344	1.4100e-003	0.1279	1.2900e-003	0.1292	0.0341	1.2200e-003	0.0354		143.4744	143.4744	5.6800e-003		143.6164

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1051	1.5459	0.8478	4.1300e-003	0.1929	5.2200e-003	0.1982	0.0529	4.9800e-003	0.0578		433.2794	433.2794	0.0237		433.8723

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1051	1.5459	0.8478	4.1300e-003	0.1929	5.2200e-003	0.1982	0.0529	4.9800e-003	0.0578		433.2794	433.2794	0.0237		433.8723

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1339	2.6655	1.1396	6.2900e-003	0.2289	8.4700e-003	0.2373	0.0637	8.0800e-003	0.0717		664.6714	664.6714	0.0387		665.6380

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1339	2.6655	1.1396	6.2900e-003	0.2289	8.4700e-003	0.2373	0.0637	8.0800e-003	0.0717		664.6714	664.6714	0.0387		665.6380

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
Total	0.0000	0.0000	0.0000	0.0000	0.5303	0.0000	0.5303	0.0573	0.0000	0.0573		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0364	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
Total	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

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
Total	0.0000	0.0000	0.0000	0.0000	0.2386	0.0000	0.2386	0.0258	0.0000	0.0258	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0364	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
Total	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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0550	0.3179	0.4014	1.4300e-003	0.1128	1.4500e-003	0.1142	0.0302	1.3700e-003	0.0316		147.1625	147.1625	6.4600e-003		147.3237

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0550	0.3179	0.4014	1.4300e-003	0.1128	1.4500e-003	0.1142	0.0302	1.3700e-003	0.0316		147.1625	147.1625	6.4600e-003		147.3237

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
Total	0.0000	0.0000	0.0000	0.0000	0.5303	0.0000	0.5303	0.0573	0.0000	0.0573		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0427	0.2168	0.3093	1.0700e-003	0.0884	1.0500e-003	0.0894	0.0237	9.9000e-004	0.0246		109.4498	109.4498	4.6500e-003		109.5660

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
Total	0.0000	0.0000	0.0000	0.0000	0.2386	0.0000	0.2386	0.0258	0.0000	0.0258	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0427	0.2168	0.3093	1.0700e-003	0.0884	1.0500e-003	0.0894	0.0237	9.9000e-004	0.0246		109.4498	109.4498	4.6500e-003		109.5660

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0821	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
Total	0.1276	2.4777	1.0806	5.9000e-003	0.2196	7.9100e-003	0.2275	0.0610	7.5400e-003	0.0685		623.2706	623.2706	0.0361		624.1728

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0821	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
Total	0.1276	2.4777	1.0806	5.9000e-003	0.2196	7.9100e-003	0.2275	0.0610	7.5400e-003	0.0685		623.2706	623.2706	0.0361		624.1728

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
Total	0.3002	2.8932	3.1755	4.2500e-003	0.0000	0.1851	0.1851	0.0000	0.1703	0.1703		411.6887	411.6887	0.1332		415.0174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1188	2.7449	1.0441	6.1500e-003	0.1940	8.5100e-003	0.2025	0.0545	8.1300e-003	0.0626		651.3471	651.3471	0.0389		652.3201

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
Total	0.3002	2.8932	3.1755	4.2500e-003	0.0000	0.1851	0.1851	0.0000	0.1703	0.1703	0.0000	411.6887	411.6887	0.1332		415.0174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1188	2.7449	1.0441	6.1500e-003	0.1940	8.5100e-003	0.2025	0.0545	8.1300e-003	0.0626		651.3471	651.3471	0.0389		652.3201

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
Total	0.7731	9.8348	3.7809	0.0115	0.5303	0.3374	0.8677	0.0573	0.3104	0.3677		1,112.9762	1,112.9762	0.3600		1,121.9752

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0862	0.9825	0.6706	2.9600e-003	0.1651	3.5400e-003	0.1686	0.0448	3.3700e-003	0.0482		309.0772	309.0772	0.0160		309.4769

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
Total	0.7731	9.8348	3.7809	0.0115	0.2386	0.3374	0.5760	0.0258	0.3104	0.3362	0.0000	1,112.9762	1,112.9762	0.3600		1,121.9752

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0862	0.9825	0.6706	2.9600e-003	0.1651	3.5400e-003	0.1686	0.0448	3.3700e-003	0.0482		309.0772	309.0772	0.0160		309.4769

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
Total	0.4334	5.3913	2.4555	6.5200e-003	0.5303	0.1967	0.7269	0.0573	0.1809	0.2382		631.7131	631.7131	0.2043		636.8208

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0704	0.5130	0.5230	1.9900e-003	0.1418	2.1300e-003	0.1440	0.0382	2.0200e-003	0.0402		205.5755	205.5755	9.5400e-003		205.8141

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
Total	0.4334	5.3913	2.4555	6.5200e-003	0.2386	0.1967	0.4353	0.0258	0.1809	0.2067	0.0000	631.7131	631.7131	0.2043		636.8208

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0704	0.5130	0.5230	1.9900e-003	0.1418	2.1300e-003	0.1440	0.0382	2.0200e-003	0.0402		205.5755	205.5755	9.5400e-003		205.8141

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.2384	1.5606	1.7566	6.5100e-003	0.4849	6.7800e-003	0.4916	0.1302	6.4000e-003	0.1366		667.7632	667.7632	0.0302		668.5178

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.2384	1.5606	1.7566	6.5100e-003	0.4849	6.7800e-003	0.4916	0.1302	6.4000e-003	0.1366		667.7632	667.7632	0.0302		668.5178

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.2235	1.4752	1.6120	6.3500e-003	0.4849	6.2100e-003	0.4911	0.1302	5.8500e-003	0.1360		652.7903	652.7903	0.0288		653.5108

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.2235	1.4752	1.6120	6.3500e-003	0.4849	6.2100e-003	0.4911	0.1302	5.8500e-003	0.1360		652.7903	652.7903	0.0288		653.5108

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
Total	0.1647	1.6756	2.2379	3.1100e-003	0.5303	0.0901	0.6204	0.0573	0.0829	0.1402		301.2390	301.2390	0.0974		303.6746

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0689	0.5745	0.5074	2.1500e-003	0.1465	2.1900e-003	0.1487	0.0395	2.0800e-003	0.0416		221.7460	221.7460	0.0104		222.0064

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
Total	0.1647	1.6756	2.2379	3.1100e-003	0.2386	0.0901	0.3287	0.0258	0.0829	0.1087	0.0000	301.2390	301.2390	0.0974		303.6746

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0689	0.5745	0.5074	2.1500e-003	0.1465	2.1900e-003	0.1487	0.0395	2.0800e-003	0.0416		221.7460	221.7460	0.0104		222.0064

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1202	0.6135	0.8510	3.1400e-003	0.2651	2.9100e-003	0.2680	0.0710	2.7400e-003	0.0737		320.1713	320.1713	0.0132		320.5012

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1202	0.6135	0.8510	3.1400e-003	0.2651	2.9100e-003	0.2680	0.0710	2.7400e-003	0.0737		320.1713	320.1713	0.0132		320.5012

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0973	0.4220	0.6818	2.4200e-003	0.2163	2.1800e-003	0.2185	0.0578	2.0500e-003	0.0598		246.2560	246.2560	9.7200e-003		246.4991

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0973	0.4220	0.6818	2.4200e-003	0.2163	2.1800e-003	0.2185	0.0578	2.0500e-003	0.0598		246.2560	246.2560	9.7200e-003		246.4991

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0515	0.3003	0.3682	1.4000e-003	0.1128	1.3300e-003	0.1141	0.0302	1.2600e-003	0.0315		143.6814	143.6814	6.1400e-003		143.8348

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0515	0.3003	0.3682	1.4000e-003	0.1128	1.3300e-003	0.1141	0.0302	1.2600e-003	0.0315		143.6814	143.6814	6.1400e-003		143.8348

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0486	0.2110	0.3409	1.2100e-003	0.1082	1.0800e-003	0.1092	0.0289	1.0200e-003	0.0299		123.1280	123.1280	4.8700e-003		123.2495

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0486	0.2110	0.3409	1.2100e-003	0.1082	1.0800e-003	0.1092	0.0289	1.0200e-003	0.0299		123.1280	123.1280	4.8700e-003		123.2495

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0772	0.3198	0.5400	1.9000e-003	0.1721	1.6900e-003	0.1738	0.0460	1.5900e-003	0.0476		192.8941	192.8941	7.5200e-003		193.0822

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0772	0.3198	0.5400	1.9000e-003	0.1721	1.6900e-003	0.1738	0.0460	1.5900e-003	0.0476		192.8941	192.8941	7.5200e-003		193.0822

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0515	0.3003	0.3682	1.4000e-003	0.1128	1.3300e-003	0.1141	0.0302	1.2600e-003	0.0315		143.6814	143.6814	6.1400e-003		143.8348

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0515	0.3003	0.3682	1.4000e-003	0.1128	1.3300e-003	0.1141	0.0302	1.2600e-003	0.0315		143.6814	143.6814	6.1400e-003		143.8348

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0286	0.1088	0.1991	6.8000e-004	0.0640	6.1000e-004	0.0646	0.0171	5.7000e-004	0.0176		69.7661	69.7661	2.6600e-003		69.8327

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	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
Total	0.0286	0.1088	0.1991	6.8000e-004	0.0640	6.1000e-004	0.0646	0.0171	5.7000e-004	0.0176		69.7661	69.7661	2.6600e-003		69.8327

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
Total	0.0824	0.8378	1.1190	1.5600e-003	0.5303	0.0451	0.5753	0.0573	0.0415	0.0987		150.6195	150.6195	0.0487		151.8373

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0432	0.5549	0.3356	1.6500e-003	0.0872	1.8400e-003	0.0890	0.0238	1.7500e-003	0.0255		172.5333	172.5333	9.0300e-003		172.7590

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
Total	0.0824	0.8378	1.1190	1.5600e-003	0.2386	0.0451	0.2837	0.0258	0.0415	0.0672	0.0000	150.6195	150.6195	0.0487		151.8373

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0432	0.5549	0.3356	1.6500e-003	0.0872	1.8400e-003	0.0890	0.0238	1.7500e-003	0.0255		172.5333	172.5333	9.0300e-003		172.7590

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1832	1.0095	1.3037	4.8900e-003	0.4023	4.6100e-003	0.4070	0.1078	4.3400e-003	0.1121		500.8104	500.8104	0.0211		501.3371

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.1832	1.0095	1.3037	4.8900e-003	0.4023	4.6100e-003	0.4070	0.1078	4.3400e-003	0.1121		500.8104	500.8104	0.0211		501.3371

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
Total	0.3936	4.7810	2.4103	6.5200e-003	0.5303	0.1705	0.7007	0.0573	0.1568	0.2141		631.5787	631.5787	0.2043		636.6853

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0718	0.6637	0.5347	2.3400e-003	0.1511	2.4400e-003	0.1536	0.0408	2.3200e-003	0.0431		242.2994	242.2994	0.0117		242.5917

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
Total	0.3936	4.7810	2.4103	6.5200e-003	0.2386	0.1705	0.4091	0.0258	0.1568	0.1826	0.0000	631.5787	631.5787	0.2043		636.6853

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0718	0.6637	0.5347	2.3400e-003	0.1511	2.4400e-003	0.1536	0.0408	2.3200e-003	0.0431		242.2994	242.2994	0.0117		242.5917

4.0 Operational Detail - Mobile

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

Land Use		lb/day																
NaturalGas Use	kgTU/yr	SO2	CO	NOx	ROG	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use		lb/day																
NaturalGas Use	kgTU/yr	SO2	CO	NOx	ROG	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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
Total	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

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
Total	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

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

CalEEMod Output Files for Proposed Project (with Mitigation)

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

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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

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

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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

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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.

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tblAreaCoating	Area_Nonresidential_Interior	7801500	0
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

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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
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)
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
Total	20.3125	0.0000	2.0000e-005	0.0000	0.0000	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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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
Total	20.3125	0.0000	2.0000e-005	0.0000	0.0000	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

	ROG	NOx	CO	SO2	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	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
Total	5.2000e-003	0.0647	0.0295	8.0000e-005	6.3600e-003	2.3600e-003	8.7200e-003	6.9000e-004	2.1700e-003	2.8600e-003	0.0000	6.8770	6.8770	2.2200e-003	0.0000	6.9326

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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
Total	9.6000e-004	0.0119	7.8400e-003	3.0000e-005	1.9400e-003	4.0000e-005	1.9800e-003	5.3000e-004	4.0000e-005	5.7000e-004	0.0000	3.4151	3.4151	1.7000e-004	0.0000	3.4193

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	9.6000e-004	4.1500e-003	0.0408	8.0000e-005	2.8600e-003	1.3000e-004	2.9900e-003	3.1000e-004	1.3000e-004	4.4000e-004	0.0000	6.8770	6.8770	2.2200e-003	0.0000	6.9326

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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
Total	9.6000e-004	0.0119	7.8400e-003	3.0000e-005	1.9400e-003	4.0000e-005	1.9800e-003	5.3000e-004	4.0000e-005	5.7000e-004	0.0000	3.4151	3.4151	1.7000e-004	0.0000	3.4193

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
Total	2.2500e-003	0.0228	0.0271	4.0000e-005	0.0000	1.3400e-003	1.3400e-003	0.0000	1.2300e-003	1.2300e-003	0.0000	3.2757	3.2757	1.0600e-003	0.0000	3.3022

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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
Total	1.0900e-003	0.0193	9.2600e-003	5.0000e-005	2.0600e-003	6.0000e-005	2.1100e-003	5.7000e-004	6.0000e-005	6.2000e-004	0.0000	4.7200	4.7200	2.5000e-004	0.0000	4.7263

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	4.6000e-004	1.9700e-003	0.0281	4.0000e-005	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005	0.0000	3.2757	3.2757	1.0600e-003	0.0000	3.3021

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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
Total	1.0900e-003	0.0193	9.2600e-003	5.0000e-005	2.0600e-003	6.0000e-005	2.1100e-003	5.7000e-004	6.0000e-005	6.2000e-004	0.0000	4.7200	4.7200	2.5000e-004	0.0000	4.7263

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
Total	5.7600e-003	0.0704	0.0363	9.0000e-005	6.3600e-003	2.7000e-003	9.0600e-003	6.9000e-004	2.4800e-003	3.1700e-003	0.0000	7.6959	7.6959	2.4900e-003	0.0000	7.7581

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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
Total	1.1800e-003	0.0132	9.6700e-003	5.0000e-005	2.4500e-003	5.0000e-005	2.5000e-003	6.6000e-004	4.0000e-005	7.1000e-004	0.0000	4.0180	4.0180	2.0000e-004	0.0000	4.0228

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	1.0700e-003	4.6500e-003	0.0479	9.0000e-005	2.8600e-003	1.4000e-004	3.0000e-003	3.1000e-004	1.4000e-004	4.5000e-004	0.0000	7.6959	7.6959	2.4900e-003	0.0000	7.7581

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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
Total	1.1800e-003	0.0132	9.6700e-003	5.0000e-005	2.4500e-003	5.0000e-005	2.5000e-003	6.6000e-004	4.0000e-005	7.1000e-004	0.0000	4.0180	4.0180	2.0000e-004	0.0000	4.0228

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
Total	0.0542	0.5369	0.3317	9.4000e-004	0.0550	0.0220	0.0771	0.0299	0.0203	0.0502	0.0000	82.7786	82.7786	0.0268	0.0000	83.4479

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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
Total	4.0900e-003	0.1213	0.0335	3.3000e-004	8.6300e-003	5.0000e-004	9.1300e-003	2.3600e-003	4.8000e-004	2.8500e-003	0.0000	32.0445	32.0445	1.8200e-003	0.0000	32.0901

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	0.0115	0.0500	0.4463	9.4000e-004	0.0248	1.5400e-003	0.0263	0.0135	1.5400e-003	0.0150	0.0000	82.7785	82.7785	0.0268	0.0000	83.4478

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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
Total	4.0900e-003	0.1213	0.0335	3.3000e-004	8.6300e-003	5.0000e-004	9.1300e-003	2.3600e-003	4.8000e-004	2.8500e-003	0.0000	32.0445	32.0445	1.8200e-003	0.0000	32.0901

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
Total	1.9200e-003	0.0235	0.0121	3.0000e-005	3.7400e-003	9.0000e-004	4.6400e-003	4.3000e-004	8.3000e-004	1.2600e-003	0.0000	2.5653	2.5653	8.3000e-004	0.0000	2.5860

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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
Total	3.4600e-003	0.1149	0.0284	3.1000e-004	7.3000e-003	4.7000e-004	7.7800e-003	2.0000e-003	4.5000e-004	2.4700e-003	0.0000	29.9995	29.9995	1.7300e-003	0.0000	30.0427

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	3.6000e-004	1.5500e-003	0.0160	3.0000e-005	1.6800e-003	5.0000e-005	1.7300e-003	1.9000e-004	5.0000e-005	2.4000e-004	0.0000	2.5653	2.5653	8.3000e-004	0.0000	2.5860

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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
Total	3.4600e-003	0.1149	0.0284	3.1000e-004	7.3000e-003	4.7000e-004	7.7800e-003	2.0000e-003	4.5000e-004	2.4700e-003	0.0000	29.9995	29.9995	1.7300e-003	0.0000	30.0427

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
Total	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

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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
Total	7.9000e-004	0.0173	6.8900e-003	5.0000e-005	1.4000e-003	5.0000e-005	1.4500e-003	3.9000e-004	5.0000e-005	4.4000e-004	0.0000	3.9090	3.9090	2.1000e-004	0.0000	3.9144

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	7.9000e-004	0.0173	6.8900e-003	5.0000e-005	1.4000e-003	5.0000e-005	1.4500e-003	3.9000e-004	5.0000e-005	4.4000e-004	0.0000	3.9090	3.9090	2.1000e-004	0.0000	3.9144

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
Total	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

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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
Total	0.0146	0.0993	0.1159	4.4000e-004	0.0320	4.3000e-004	0.0324	8.6000e-003	4.0000e-004	9.0000e-003	0.0000	40.3048	40.3048	1.7400e-003	0.0000	40.3482

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	0.0146	0.0993	0.1159	4.4000e-004	0.0320	4.3000e-004	0.0324	8.6000e-003	4.0000e-004	9.0000e-003	0.0000	40.3048	40.3048	1.7400e-003	0.0000	40.3482

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
Total	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

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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
Total	2.8400e-003	0.0291	0.0230	1.0000e-004	5.9300e-003	1.1000e-004	6.0400e-003	1.6100e-003	1.0000e-004	1.7100e-003	0.0000	9.2418	9.2418	4.3000e-004	0.0000	9.2527

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	2.8400e-003	0.0291	0.0230	1.0000e-004	5.9300e-003	1.1000e-004	6.0400e-003	1.6100e-003	1.0000e-004	1.7100e-003	0.0000	9.2418	9.2418	4.3000e-004	0.0000	9.2527

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
Total	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

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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
Total	1.0700e-003	0.0154	8.8400e-003	4.0000e-005	2.1000e-003	5.0000e-005	2.1500e-003	5.7000e-004	5.0000e-005	6.3000e-004	0.0000	4.1035	4.1035	2.1000e-004	0.0000	4.1088

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	1.0700e-003	0.0154	8.8400e-003	4.0000e-005	2.1000e-003	5.0000e-005	2.1500e-003	5.7000e-004	5.0000e-005	6.3000e-004	0.0000	4.1035	4.1035	2.1000e-004	0.0000	4.1088

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
Total	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

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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
Total	7.2000e-004	0.0106	6.0000e-003	3.0000e-005	1.4100e-003	4.0000e-005	1.4500e-003	3.9000e-004	4.0000e-005	4.2000e-004	0.0000	2.8122	2.8122	1.4000e-004	0.0000	2.8158

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	7.2000e-004	0.0106	6.0000e-003	3.0000e-005	1.4100e-003	4.0000e-005	1.4500e-003	3.9000e-004	4.0000e-005	4.2000e-004	0.0000	2.8122	2.8122	1.4000e-004	0.0000	2.8158

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
Total	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

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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
Total	3.4600e-003	0.0547	0.0290	1.5000e-004	6.7000e-003	1.8000e-004	6.8800e-003	1.8400e-003	1.7000e-004	2.0100e-003	0.0000	14.0317	14.0317	7.3000e-004	0.0000	14.0500

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	3.4600e-003	0.0547	0.0290	1.5000e-004	6.7000e-003	1.8000e-004	6.8800e-003	1.8400e-003	1.7000e-004	2.0100e-003	0.0000	14.0317	14.0317	7.3000e-004	0.0000	14.0500

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
Total	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

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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
Total	9.1700e-003	0.0635	0.0729	2.7000e-004	0.0201	2.7000e-004	0.0203	5.4000e-003	2.6000e-004	5.6500e-003	0.0000	25.4774	25.4774	1.1000e-003	0.0000	25.5049

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	9.1700e-003	0.0635	0.0729	2.7000e-004	0.0201	2.7000e-004	0.0203	5.4000e-003	2.6000e-004	5.6500e-003	0.0000	25.4774	25.4774	1.1000e-003	0.0000	25.5049

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
Total	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

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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
Total	1.1100e-003	0.0110	9.0000e-003	4.0000e-005	2.3400e-003	4.0000e-005	2.3800e-003	6.3000e-004	4.0000e-005	6.7000e-004	0.0000	3.5590	3.5590	1.7000e-004	0.0000	3.5632

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	1.1100e-003	0.0110	9.0000e-003	4.0000e-005	2.3400e-003	4.0000e-005	2.3800e-003	6.3000e-004	4.0000e-005	6.7000e-004	0.0000	3.5590	3.5590	1.7000e-004	0.0000	3.5632

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
Total	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

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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
Total	1.5500e-003	0.0336	0.0135	8.0000e-005	2.7400e-003	1.0000e-004	2.8400e-003	7.7000e-004	1.0000e-004	8.6000e-004	0.0000	7.5885	7.5885	4.2000e-004	0.0000	7.5991

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	1.5500e-003	0.0336	0.0135	8.0000e-005	2.7400e-003	1.0000e-004	2.8400e-003	7.7000e-004	1.0000e-004	8.6000e-004	0.0000	7.5885	7.5885	4.2000e-004	0.0000	7.5991

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
Total	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

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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
Total	1.8700e-003	0.0138	0.0149	6.0000e-005	4.0700e-003	6.0000e-005	4.1300e-003	1.0900e-003	5.0000e-005	1.1500e-003	0.0000	5.3250	5.3250	2.3000e-004	0.0000	5.3308

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	1.8700e-003	0.0138	0.0149	6.0000e-005	4.0700e-003	6.0000e-005	4.1300e-003	1.0900e-003	5.0000e-005	1.1500e-003	0.0000	5.3250	5.3250	2.3000e-004	0.0000	5.3308

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
Total	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

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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
Total	7.7000e-004	0.0107	6.3800e-003	3.0000e-005	1.5300e-003	4.0000e-005	1.5700e-003	4.2000e-004	4.0000e-005	4.5000e-004	0.0000	2.9055	2.9055	1.5000e-004	0.0000	2.9092

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	1.4000e-004	6.8000e-004	1.1100e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3481	0.3481	2.0000e-005	0.0000	0.3485

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
Total	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

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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
Total	1.5900e-003	0.0347	0.0138	8.0000e-005	2.8000e-003	1.1000e-004	2.8900e-003	7.8000e-004	1.0000e-004	8.8000e-004	0.0000	7.8180	7.8180	4.4000e-004	0.0000	7.8289

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	1.5900e-003	0.0347	0.0138	8.0000e-005	2.8000e-003	1.1000e-004	2.8900e-003	7.8000e-004	1.0000e-004	8.8000e-004	0.0000	7.8180	7.8180	4.4000e-004	0.0000	7.8289

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
Total	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

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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
Total	1.8200e-003	0.0391	0.0158	9.0000e-005	3.2300e-003	1.2000e-004	3.3500e-003	9.0000e-004	1.2000e-004	1.0200e-003	0.0000	8.8653	8.8653	4.9000e-004	0.0000	8.8776

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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

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
Total	4.5000e-004	2.8900e-003	3.5600e-003	2.0000e-005	9.9000e-004	2.0000e-005	1.0000e-003	2.7000e-004	2.0000e-005	2.8000e-004	0.0000	1.2165	1.2165	5.0000e-005	0.0000	1.2178

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
Total	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

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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
Total	2.3500e-003	0.0437	0.0200	1.1000e-004	4.3500e-003	1.3000e-004	4.5000e-003	1.2000e-003	1.3000e-004	1.3400e-003	0.0000	10.4727	10.4727	5.7000e-004	0.0000	10.4868

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	2.3500e-003	0.0437	0.0200	1.1000e-004	4.3500e-003	1.3000e-004	4.5000e-003	1.2000e-003	1.3000e-004	1.3400e-003	0.0000	10.4727	10.4727	5.7000e-004	0.0000	10.4868

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
Total	1.6400e-003	0.0206	8.6900e-003	2.0000e-005	1.5900e-003	7.3000e-004	2.3200e-003	1.7000e-004	6.7000e-004	8.4000e-004	0.0000	2.1558	2.1558	7.0000e-004	0.0000	2.1733

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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
Total	2.0000e-004	2.6800e-003	1.6900e-003	1.0000e-005	4.1000e-004	1.0000e-005	4.2000e-004	1.2000e-004	1.0000e-005	1.2000e-004	0.0000	0.7497	0.7497	4.0000e-005	0.0000	0.7507

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	3.0000e-004	1.3000e-003	0.0124	2.0000e-005	7.2000e-004	4.0000e-005	7.6000e-004	8.0000e-005	4.0000e-005	1.2000e-004	0.0000	2.1558	2.1558	7.0000e-004	0.0000	2.1733

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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
Total	2.0000e-004	2.6800e-003	1.6900e-003	1.0000e-005	4.1000e-004	1.0000e-005	4.2000e-004	1.2000e-004	1.0000e-005	1.2000e-004	0.0000	0.7497	0.7497	4.0000e-005	0.0000	0.7507

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
Total	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

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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
Total	3.3000e-004	1.4000e-003	2.5700e-003	1.0000e-005	7.4000e-004	0.0000	7.6000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.7896	0.7896	3.0000e-005	0.0000	0.7904

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	3.3000e-004	1.4000e-003	2.5700e-003	1.0000e-005	7.4000e-004	0.0000	7.6000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.7896	0.7896	3.0000e-005	0.0000	0.7904

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
Total	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

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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
Total	5.8000e-004	9.4000e-003	4.9200e-003	3.0000e-005	1.1300e-003	3.0000e-005	1.1600e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	2.3960	2.3960	1.3000e-004	0.0000	2.3991

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	5.8000e-004	9.4000e-003	4.9200e-003	3.0000e-005	1.1300e-003	3.0000e-005	1.1600e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	2.3960	2.3960	1.3000e-004	0.0000	2.3991

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
Total	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

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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
Total	1.5100e-003	0.0324	0.0131	8.0000e-005	2.6900e-003	1.0000e-004	2.7800e-003	7.5000e-004	1.0000e-004	8.4000e-004	0.0000	7.3591	7.3591	4.1000e-004	0.0000	7.3692

Mitigated Construction On-Site

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

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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
Total	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

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
Total	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

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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
Total	2.9000e-004	1.9200e-003	2.3700e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.7000e-004	0.0000	1.9000e-004	0.0000	0.8110	0.8110	3.0000e-005	0.0000	0.8119

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	1.8000e-003	0.0377	0.0156	9.0000e-005	3.2100e-003	1.2000e-004	3.3300e-003	8.9000e-004	1.1000e-004	1.0000e-003	0.0000	8.6251	8.6251	4.8000e-004	0.0000	8.6370

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
Total	2.7000e-003	0.0260	0.0286	4.0000e-005	0.0000	1.6700e-003	1.6700e-003	0.0000	1.5300e-003	1.5300e-003	0.0000	3.3613	3.3613	1.0900e-003	0.0000	3.3885

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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
Total	1.0200e-003	0.0250	8.9600e-003	5.0000e-005	1.7100e-003	7.0000e-005	1.7800e-003	4.8000e-004	7.0000e-005	5.5000e-004	0.0000	5.4113	5.4113	3.0000e-004	0.0000	5.4190

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	4.7000e-004	2.0400e-003	0.0290	4.0000e-005	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005	0.0000	3.3613	3.3613	1.0900e-003	0.0000	3.3885

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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
Total	1.0200e-003	0.0250	8.9600e-003	5.0000e-005	1.7100e-003	7.0000e-005	1.7800e-003	4.8000e-004	7.0000e-005	5.5000e-004	0.0000	5.4113	5.4113	3.0000e-004	0.0000	5.4190

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
Total	9.2800e-003	0.1180	0.0454	1.4000e-004	6.3600e-003	4.0500e-003	0.0104	6.9000e-004	3.7300e-003	4.4200e-003	0.0000	12.1161	12.1161	3.9200e-003	0.0000	12.2141

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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
Total	9.6000e-004	0.0119	7.8400e-003	3.0000e-005	1.9400e-003	4.0000e-005	1.9800e-003	5.3000e-004	4.0000e-005	5.7000e-004	0.0000	3.4151	3.4151	1.7000e-004	0.0000	3.4193

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	1.6900e-003	7.3200e-003	0.0676	1.4000e-004	2.8600e-003	2.3000e-004	3.0900e-003	3.1000e-004	2.3000e-004	5.4000e-004	0.0000	12.1161	12.1161	3.9200e-003	0.0000	12.2141

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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
Total	9.6000e-004	0.0119	7.8400e-003	3.0000e-005	1.9400e-003	4.0000e-005	1.9800e-003	5.3000e-004	4.0000e-005	5.7000e-004	0.0000	3.4151	3.4151	1.7000e-004	0.0000	3.4193

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
Total	2.6000e-003	0.0324	0.0147	4.0000e-005	3.1800e-003	1.1800e-003	4.3600e-003	3.4000e-004	1.0900e-003	1.4300e-003	0.0000	3.4385	3.4385	1.1100e-003	0.0000	3.4663

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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
Total	3.8000e-004	3.1200e-003	3.0800e-003	2.0000e-005	8.3000e-004	1.0000e-005	8.4000e-004	2.2000e-004	1.0000e-005	2.4000e-004	0.0000	1.1338	1.1338	5.0000e-005	0.0000	1.1351

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	4.8000e-004	2.0800e-003	0.0204	4.0000e-005	1.4300e-003	6.0000e-005	1.4900e-003	1.5000e-004	6.0000e-005	2.1000e-004	0.0000	3.4385	3.4385	1.1100e-003	0.0000	3.4663

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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
Total	3.8000e-004	3.1200e-003	3.0800e-003	2.0000e-005	8.3000e-004	1.0000e-005	8.4000e-004	2.2000e-004	1.0000e-005	2.4000e-004	0.0000	1.1338	1.1338	5.0000e-005	0.0000	1.1351

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
Total	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

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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
Total	0.0114	0.0828	0.0907	3.5000e-004	0.0248	3.4000e-004	0.0252	6.6700e-003	3.2000e-004	7.0100e-003	0.0000	32.2138	32.2138	1.4100e-003	0.0000	32.2490

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	0.0114	0.0828	0.0907	3.5000e-004	0.0248	3.4000e-004	0.0252	6.6700e-003	3.2000e-004	7.0100e-003	0.0000	32.2138	32.2138	1.4100e-003	0.0000	32.2490

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
Total	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

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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
Total	9.2300e-003	0.0678	0.0721	2.9000e-004	0.0215	2.7000e-004	0.0218	5.7900e-003	2.6000e-004	6.0400e-003	0.0000	27.2983	27.2983	1.1600e-003	0.0000	27.3274

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	9.2300e-003	0.0678	0.0721	2.9000e-004	0.0215	2.7000e-004	0.0218	5.7900e-003	2.6000e-004	6.0400e-003	0.0000	27.2983	27.2983	1.1600e-003	0.0000	27.3274

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
Total	9.9000e-004	0.0101	0.0134	2.0000e-005	3.1800e-003	5.4000e-004	3.7200e-003	3.4000e-004	5.0000e-004	8.4000e-004	0.0000	1.6397	1.6397	5.3000e-004	0.0000	1.6529

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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
Total	3.8000e-004	3.4900e-003	2.9900e-003	2.0000e-005	8.5000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.5000e-004	0.0000	1.2239	1.2239	6.0000e-005	0.0000	1.2253

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	2.3000e-004	9.9000e-004	0.0141	2.0000e-005	1.4300e-003	3.0000e-005	1.4600e-003	1.5000e-004	3.0000e-005	1.8000e-004	0.0000	1.6397	1.6397	5.3000e-004	0.0000	1.6529

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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
Total	3.8000e-004	3.4900e-003	2.9900e-003	2.0000e-005	8.5000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.5000e-004	0.0000	1.2239	1.2239	6.0000e-005	0.0000	1.2253

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
Total	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

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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
Total	1.3000e-003	7.4300e-003	0.0101	3.0000e-005	3.1000e-003	4.0000e-005	3.1300e-003	8.3000e-004	4.0000e-005	8.6000e-004	0.0000	3.5280	3.5280	1.4000e-004	0.0000	3.5315

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	1.3000e-003	7.4300e-003	0.0101	3.0000e-005	3.1000e-003	4.0000e-005	3.1300e-003	8.3000e-004	4.0000e-005	8.6000e-004	0.0000	3.5280	3.5280	1.4000e-004	0.0000	3.5315

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
Total	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

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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
Total	1.0600e-003	5.1100e-003	8.0900e-003	3.0000e-005	2.5300e-003	2.0000e-005	2.5500e-003	6.7000e-004	2.0000e-005	7.0000e-004	0.0000	2.7120	2.7120	1.0000e-004	0.0000	2.7146

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	5.6000e-004	3.6400e-003	4.3600e-003	2.0000e-005	1.3200e-003	2.0000e-005	1.3300e-003	3.6000e-004	2.0000e-005	3.7000e-004	0.0000	1.5839	1.5839	7.0000e-005	0.0000	1.5856

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
Total	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

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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
Total	3.9000e-004	1.9200e-003	3.0300e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.6000e-004	2.5000e-004	0.0000	2.7000e-004	0.0000	1.0170	1.0170	4.0000e-005	0.0000	1.0180

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	3.9000e-004	1.9200e-003	3.0300e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.6000e-004	2.5000e-004	0.0000	2.7000e-004	0.0000	1.0170	1.0170	4.0000e-005	0.0000	1.0180

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
Total	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

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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
Total	1.2500e-003	5.8000e-003	9.6100e-003	3.0000e-005	3.0200e-003	3.0000e-005	3.0500e-003	8.1000e-004	3.0000e-005	8.3000e-004	0.0000	3.1861	3.1861	1.2000e-004	0.0000	3.1891

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	1.2500e-003	5.8000e-003	9.6100e-003	3.0000e-005	3.0200e-003	3.0000e-005	3.0500e-003	8.1000e-004	3.0000e-005	8.3000e-004	0.0000	3.1861	3.1861	1.2000e-004	0.0000	3.1891

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
Total	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

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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
Total	5.6000e-004	3.6400e-003	4.3600e-003	2.0000e-005	1.3200e-003	2.0000e-005	1.3300e-003	3.6000e-004	2.0000e-005	3.7000e-004	0.0000	1.5839	1.5839	7.0000e-005	0.0000	1.5856

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	3.1000e-004	1.3200e-003	2.3700e-003	1.0000e-005	7.4000e-004	0.0000	7.6000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.7680	0.7680	3.0000e-005	0.0000	0.7687

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
Total	4.9000e-004	5.0300e-003	6.7100e-003	1.0000e-005	3.1800e-003	2.7000e-004	3.4500e-003	3.4000e-004	2.5000e-004	5.9000e-004	0.0000	0.8198	0.8198	2.7000e-004	0.0000	0.8265

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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
Total	2.4000e-004	3.3800e-003	1.9600e-003	1.0000e-005	5.1000e-004	1.0000e-005	5.2000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.9538	0.9538	5.0000e-005	0.0000	0.9550

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	1.1000e-004	4.9000e-004	7.0300e-003	1.0000e-005	1.4300e-003	2.0000e-005	1.4500e-003	1.5000e-004	2.0000e-005	1.7000e-004	0.0000	0.8198	0.8198	2.7000e-004	0.0000	0.8265

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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
Total	2.4000e-004	3.3800e-003	1.9600e-003	1.0000e-005	5.1000e-004	1.0000e-005	5.2000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.9538	0.9538	5.0000e-005	0.0000	0.9550

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
Total	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

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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
Total	3.9900e-003	0.0245	0.0309	1.2000e-004	9.4100e-003	1.1000e-004	9.5200e-003	2.5300e-003	1.0000e-004	2.6300e-003	0.0000	11.0397	11.0397	4.5000e-004	0.0000	11.0509

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	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

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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
Total	3.9900e-003	0.0245	0.0309	1.2000e-004	9.4100e-003	1.1000e-004	9.5200e-003	2.5300e-003	1.0000e-004	2.6300e-003	0.0000	11.0397	11.0397	4.5000e-004	0.0000	11.0509

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
Total	2.3600e-003	0.0287	0.0145	4.0000e-005	3.1800e-003	1.0200e-003	4.2000e-003	3.4000e-004	9.4000e-004	1.2800e-003	0.0000	3.4378	3.4378	1.1100e-003	0.0000	3.4656

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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
Total	4.0000e-004	4.0300e-003	3.1400e-003	2.0000e-005	8.8000e-004	1.0000e-005	9.0000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	1.3378	1.3378	7.0000e-005	0.0000	1.3394

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Total	4.8000e-004	2.0800e-003	0.0204	4.0000e-005	1.4300e-003	6.0000e-005	1.4900e-003	1.5000e-004	6.0000e-005	2.1000e-004	0.0000	3.4378	3.4378	1.1100e-003	0.0000	3.4655

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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
Total	4.0000e-004	4.0300e-003	3.1400e-003	2.0000e-005	8.8000e-004	1.0000e-005	9.0000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	1.3378	1.3378	7.0000e-005	0.0000	1.3394

4.0 Operational Detail - Mobile

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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5.3 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
Total		0.0000	0.0000	0.0000	0.0000

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
Total	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

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
Total	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

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
Total		0.0000	0.0000	0.0000	0.0000

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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
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

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

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
Total		0.0000	0.0000	0.0000

Mitigated

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

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

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

**CalEEMod Output Files for Proposed Project (Quarterly Diesel
Particulate Matter Calculations)**

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

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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

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

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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
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	3,100.00	78.00
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	26.00
tblConstructionPhase	NumDays	3,100.00	78.00
tblConstructionPhase	NumDays	3,100.00	5.00
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tblConstructionPhase	NumDays	3,100.00	18.00
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tblConstructionPhase	NumDays	120.00	12.00
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tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

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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
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	0.00	6.00

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tblGrading	AcresOfGrading	0.00	9.00
tblLandUse	LandUseSquareFeet	0.00	5,201,000.00
tblLandUse	LotAcreage	0.00	119.40
tblOffRoadEquipment	HorsePower	65.00	231.00
tblOffRoadEquipment	LoadFactor	0.37	0.29
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
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)
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
Total	20.3125	0.0000	2.0000e-005	0.0000	0.0000	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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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
Total	20.3125	0.0000	2.0000e-005	0.0000	0.0000	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

	ROG	NOx	CO	SO2	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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	7.9100e-003	0.0538	0.0628	2.3000e-004	0.0173	2.4000e-004	0.0176	4.6600e-003	2.2000e-004	4.8800e-003	0.0000	21.8318	21.8318	9.4000e-004	0.0000	21.8553

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	7.9100e-003	0.0538	0.0628	2.3000e-004	0.0173	2.4000e-004	0.0176	4.6600e-003	2.2000e-004	4.8800e-003	0.0000	21.8318	21.8318	9.4000e-004	0.0000	21.8553

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	5.9600e-003	0.0413	0.0474	1.8000e-004	0.0130	1.8000e-004	0.0132	3.5000e-003	1.7000e-004	3.6700e-003	0.0000	16.5603	16.5603	7.2000e-004	0.0000	16.5782

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	5.9600e-003	0.0413	0.0474	1.8000e-004	0.0130	1.8000e-004	0.0132	3.5000e-003	1.7000e-004	3.6700e-003	0.0000	16.5603	16.5603	7.2000e-004	0.0000	16.5782

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.2000e-004	6.9900e-003	2.8000e-003	1.0000e-005	5.7000e-004	2.0000e-005	5.9000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	1.5810	1.5810	9.0000e-005	0.0000	1.5831

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.2000e-004	6.9900e-003	2.8000e-003	1.0000e-005	5.7000e-004	2.0000e-005	5.9000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	1.5810	1.5810	9.0000e-005	0.0000	1.5831

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.8700e-003	0.0138	0.0149	6.0000e-005	4.0700e-003	6.0000e-005	4.1300e-003	1.0900e-003	5.0000e-005	1.1500e-003	0.0000	5.3250	5.3250	2.3000e-004	0.0000	5.3308

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.8700e-003	0.0138	0.0149	6.0000e-005	4.0700e-003	6.0000e-005	4.1300e-003	1.0900e-003	5.0000e-005	1.1500e-003	0.0000	5.3250	5.3250	2.3000e-004	0.0000	5.3308

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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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	7.7000e-004	0.0107	6.3800e-003	3.0000e-005	1.5300e-003	4.0000e-005	1.5700e-003	4.2000e-004	4.0000e-005	4.5000e-004	0.0000	2.9055	2.9055	1.5000e-004	0.0000	2.9092

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

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	7.7000e-004	0.0107	6.3800e-003	3.0000e-005	1.5300e-003	4.0000e-005	1.5700e-003	4.2000e-004	4.0000e-005	4.5000e-004	0.0000	2.9055	2.9055	1.5000e-004	0.0000	2.9092

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

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	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
Total	1.4000e-004	6.8000e-004	1.1100e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3481	0.3481	2.0000e-005	0.0000	0.3485

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

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	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
Total	1.4000e-004	6.8000e-004	1.1100e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3481	0.3481	2.0000e-005	0.0000	0.3485

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.5900e-003	0.0347	0.0138	8.0000e-005	2.8000e-003	1.1000e-004	2.8900e-003	7.8000e-004	1.0000e-004	8.8000e-004	0.0000	7.8180	7.8180	4.4000e-004	0.0000	7.8289

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.5900e-003	0.0347	0.0138	8.0000e-005	2.8000e-003	1.1000e-004	2.8900e-003	7.8000e-004	1.0000e-004	8.8000e-004	0.0000	7.8180	7.8180	4.4000e-004	0.0000	7.8289

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.8200e-003	0.0391	0.0158	9.0000e-005	3.2300e-003	1.2000e-004	3.3500e-003	9.0000e-004	1.2000e-004	1.0200e-003	0.0000	8.8653	8.8653	4.9000e-004	0.0000	8.8776

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

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.8200e-003	0.0391	0.0158	9.0000e-005	3.2300e-003	1.2000e-004	3.3500e-003	9.0000e-004	1.2000e-004	1.0200e-003	0.0000	8.8653	8.8653	4.9000e-004	0.0000	8.8776

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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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	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
Total	4.5000e-004	2.8900e-003	3.5600e-003	2.0000e-005	9.9000e-004	2.0000e-005	1.0000e-003	2.7000e-004	2.0000e-005	2.8000e-004	0.0000	1.2165	1.2165	5.0000e-005	0.0000	1.2178

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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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	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
Total	4.5000e-004	2.8900e-003	3.5600e-003	2.0000e-005	9.9000e-004	2.0000e-005	1.0000e-003	2.7000e-004	2.0000e-005	2.8000e-004	0.0000	1.2165	1.2165	5.0000e-005	0.0000	1.2178

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.3500e-003	0.0437	0.0200	1.1000e-004	4.3500e-003	1.3000e-004	4.5000e-003	1.2000e-003	1.3000e-004	1.3400e-003	0.0000	10.4727	10.4727	5.7000e-004	0.0000	10.4868

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

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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.3500e-003	0.0437	0.0200	1.1000e-004	4.3500e-003	1.3000e-004	4.5000e-003	1.2000e-003	1.3000e-004	1.3400e-003	0.0000	10.4727	10.4727	5.7000e-004	0.0000	10.4868

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

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
Total	1.6400e-003	0.0206	8.6900e-003	2.0000e-005	1.5900e-003	7.3000e-004	2.3200e-003	1.7000e-004	6.7000e-004	8.4000e-004	0.0000	2.1558	2.1558	7.0000e-004	0.0000	2.1733

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.0000e-004	2.6800e-003	1.6900e-003	1.0000e-005	4.1000e-004	1.0000e-005	4.2000e-004	1.2000e-004	1.0000e-005	1.2000e-004	0.0000	0.7497	0.7497	4.0000e-005	0.0000	0.7507

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

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
Total	3.0000e-004	1.3000e-003	0.0124	2.0000e-005	7.2000e-004	4.0000e-005	7.6000e-004	8.0000e-005	4.0000e-005	1.2000e-004	0.0000	2.1558	2.1558	7.0000e-004	0.0000	2.1733

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.0000e-004	2.6800e-003	1.6900e-003	1.0000e-005	4.1000e-004	1.0000e-005	4.2000e-004	1.2000e-004	1.0000e-005	1.2000e-004	0.0000	0.7497	0.7497	4.0000e-005	0.0000	0.7507

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.3000e-004	1.4000e-003	2.5700e-003	1.0000e-005	7.4000e-004	0.0000	7.6000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.7896	0.7896	3.0000e-005	0.0000	0.7904

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.3000e-004	1.4000e-003	2.5700e-003	1.0000e-005	7.4000e-004	0.0000	7.6000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.7896	0.7896	3.0000e-005	0.0000	0.7904

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	5.8000e-004	9.4000e-003	4.9200e-003	3.0000e-005	1.1300e-003	3.0000e-005	1.1600e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	2.3960	2.3960	1.3000e-004	0.0000	2.3991

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	5.8000e-004	9.4000e-003	4.9200e-003	3.0000e-005	1.1300e-003	3.0000e-005	1.1600e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	2.3960	2.3960	1.3000e-004	0.0000	2.3991

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.5100e-003	0.0324	0.0131	8.0000e-005	2.6900e-003	1.0000e-004	2.7800e-003	7.5000e-004	1.0000e-004	8.4000e-004	0.0000	7.3591	7.3591	4.1000e-004	0.0000	7.3692

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	1.5100e-003	0.0324	0.0131	8.0000e-005	2.6900e-003	1.0000e-004	2.7800e-003	7.5000e-004	1.0000e-004	8.4000e-004	0.0000	7.3591	7.3591	4.1000e-004	0.0000	7.3692

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

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
Total	0.0000	0.0000	0.0000	0.0000	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

Unmitigated Construction Off-Site

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

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

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
Total	0.0000	0.0000	0.0000	0.0000	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

Mitigated Construction Off-Site

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

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

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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.9000e-004	1.9200e-003	2.3700e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.7000e-004	0.0000	1.9000e-004	0.0000	0.8110	0.8110	3.0000e-005	0.0000	0.8119

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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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	2.9000e-004	1.9200e-003	2.3700e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.7000e-004	0.0000	1.9000e-004	0.0000	0.8110	0.8110	3.0000e-005	0.0000	0.8119

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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
Total	0.0000	0.0000	0.0000	0.0000	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.4000e-004	1.9700e-003	2.7400e-003	1.0000e-005	7.7000e-004	0.0000	7.9000e-004	2.0000e-004	0.0000	2.2000e-004	0.0000	0.9044	0.9044	4.0000e-005	0.0000	0.9053

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

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
Total	0.0000	0.0000	0.0000	0.0000	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	3.4000e-004	1.9700e-003	2.7400e-003	1.0000e-005	7.7000e-004	0.0000	7.9000e-004	2.0000e-004	0.0000	2.2000e-004	0.0000	0.9044	0.9044	4.0000e-005	0.0000	0.9053

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

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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0300e-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
Total	1.5600e-003	0.0326	0.0135	8.0000e-005	2.7900e-003	1.0000e-004	2.8900e-003	7.7000e-004	1.0000e-004	8.7000e-004	0.0000	7.4751	7.4751	4.1000e-004	0.0000	7.4854

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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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0300e-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
Total	1.5600e-003	0.0326	0.0135	8.0000e-005	2.7900e-003	1.0000e-004	2.8900e-003	7.7000e-004	1.0000e-004	8.7000e-004	0.0000	7.4751	7.4751	4.1000e-004	0.0000	7.4854

4.0 Operational Detail - Mobile

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

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

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	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
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use	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
Total		0.0000	0.0000	0.0000	0.0000

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
Total	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

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
Total	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

7.0 Water Detail

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
Total		0.0000	0.0000	0.0000	0.0000

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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
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

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
Total		0.0000	0.0000	0.0000

Mitigated

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

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

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
