

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
Survey (2 people) Phase 1 to 3	250	1-Survey Trucks (Gasoline)	10	1	74	10	64
Grading Phase 1 (14 people)	185	2-Dozer (Diesel)	10	2	85	40	92
		2-Loader (Diesel)	10	2	80	40	
		4-Scraper (Diesel)	10	4	85	40	
		2-Grader (Diesel)	10	2	85	40	
		4-Water Truck (Diesel)	10	4	80	40	
		1-Tool Truck (Gasoline)	10	1	75	40	
		3-Pickup 4x4 (Gasoline)	10	3	75	10	
		20- Haul Truck (Gasoline)	10	10	80	17	
Fencing Phase 1 Block Wall (16 people)	60	1-Bobcat (Diesel)	10	1	80	40	85
		1-Forklift (Propane)	10	1	80	40	
		1-4x4 Backhoe (Diesel)	10	1	80	40	
	15	1-Concrete Pump (Diesel)	2	1	82	75	
	60	1-Flatbed Truck (Gasoline)	2	1	75	40	
	60	1-Crewcab Truck (Gasoline)	2	1	75	20	
Civil Phase 1 (60 people)	140	3-Excavator (Diesel)	10	3	85	40	92
		3-Foundation Auger (Diesel)	10	3	85	20	
		6-Backhoes (Diesel)	10	6	80	40	
		3-Dump Truck (Diesel)	6	3	80	17	
		3-Skip Loader (Diesel)	10	3	80	40	
		3-Water Truck (Diesel)	10	3	80	40	
		4-Bobcat Skid Steer (Diesel)	10	4	80	40	
		4-Forklift (Propane)	6	4	80	40	
	45	2-17-Ton Crane (Diesel)	5	2	80	16	
	20	1- Concrete Pump Truck (Diesel)	5	1	81	75	
	140	4-Tool Truck (Gasoline)	3	4	75	10	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
Mechanical Electrical Equipment Rooms Phase 1 (50 people)	120	2-Carry-all Truck (Gasoline)	3	2	75	20	89
		5-Tool Truck (Gasoline)	2	5	75	10	
		1-Stake Truck (Gasoline)	5	1	75	10	
	60	1-20-Ton Crane (Diesel)	5	1	81	16	
	40	1- Concrete Pump Truck (Diesel)	5	6	81	75	
	120	3-Forklift (Propane)	5	3	80	40	
	60	2-Backhoes (Diesel)	10	2	80	40	
	60	1-Loader (Diesel)	10	1	80	40	
	60	2-Bobcat Skid Steer (Diesel)	10	2	80	40	
	60	2-Manlifts (Propane)	10	2	75	10	
120	400 Kilowatt (KW) Generator (Diesel)	12	1	82	50		
Electrical Phase 1 (50) people)	260	4-Scissor Lifts (Propane)	5	4	75	20	84
		4-Manlifts (Propane)	5	4	75	20	
		3-Reach Manlift (Propane)	5	3	75	20	
		2-15-Ton Crane (Diesel)	5	2	80	16	
	80	1-20-Ton Crane (Diesel)	10	1	81	16	
	100	1-50-Ton Crane (Diesel)	8	1	83	16	
	60	1-100-Ton Crane (Diesel)	8	1	85	16	
	260	1-Flatbed Truck (Gasoline)	5	1	74	40	
		2-Tool Trailer	3	2			
		3-Forklift(Propane)	6	3	80	40	
3-Crew Trucks(Gasoline)		2	3	75	20		
Wiring Phase 1 (50 people)	90	3-Manlift (Propane)	5	3	75	10	77
		2-Tool Trailer	3	2			
		3-Forklift (Propane)	3	3	80	40	
Maintenance Crew Equipment Check Phase 1 (5 people)	65	2-Maintenance Trucks (Gasoline)	5	2	75	10	66
Testing Phase 1 (9 people)	200	4-Crew Truck (Gasoline)	3	4	75	20	70

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
Asphalting Phase 1 (15 people)	30	2-Paving Roller (Diesel)	5	2	80	20	82
		2-Stake Truck (Gasoline)	5	2	75	20	
		1-Dump Truck (Diesel)	5	6	80	17	
		1-Asphalt Curb Machine (Diesel)	3	1	80	20	
Test and Maintenance Building Phase 1 (50 people)	150	2-Carry-all Truck (Gasoline)	3	2	75	20	88
		5-Tool Truck (Gasoline)	2	5	75	20	
		1-Stake Truck (Gasoline)	5	1	75	20	
	60	1-20-TonCrane (Diesel)	5	1	81	16	
	40	1- Concrete Pump Truck (Diesel)	5	6	81	75	
	150	3-Forklift (Propane)	5	3	80	40	
	60	2-Backhoes (Diesel)	10	2	80	40	
	30	1-Loader (Diesel)	10	1	80	40	
		2-Bobcat Skid Steer (Diesel)	10	2	80	40	
Control Building Phase 1 (50 people)	180	2-Carry-all Truck (Gasoline)	3	2	75	20	88
		5-Tool Truck (Gasoline)	2	5	75	20	
		1-Stake Truck (Gasoline)	5	1	75	20	
	60	1-20-Ton Crane (Diesel)	5	1	81	16	
	40	1- Concrete Pump Truck (Diesel)	5	6	81	75	
	180	3-Forklift (Propane)	5	3	80	40	
	60	2-Backhoes (Diesel)	10	2	80	40	
	30	1-Loader (Diesel)	10	1	80	40	
	60	2-Bobcat Skid Steer (Diesel)	10	2	80	40	
	60	2-Manlifts (Propane)	10	2	75	10	
Electrical Demo Phase 2 (20 people)	25	2-Manlifts (Propane)	6	2	75	10	81
		3-Reach Lift (Propane)	6	3	75	10	
		1-15-Ton Crane (Diesel)	6	1	80	16	
		1-50-Ton Crane (Diesel)	6	1	83	16	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
Electrical Demo Phase 2 (cont.) (20 people)	25	2-Tool Trailer	5	2			81
		2-Forklift (Propane)	6	2	80	40	
		3-Crew Trucks (Gasoline)	2	3	75	20	
Civil Demo/Grading Phase 2 (14 people)	40	2-Excavator (Diesel)	10	2	81	40	90
		2-Backhoes (Diesel)	10	2	80	40	
		3-Dump Truck (Diesel)	10	3	80	40	
		2-Skip Loader (Diesel)	10	2	80	40	
		2-Water Truck (Diesel)	10	2	75	40	
		2-Bobcat Skid Steer (Diesel)	10	2	80	40	
		2-Forklift (Propane)	6	2	80	40	
		2-Dozer (Diesel)	10	2	82	40	
		2-Loader (Diesel)	10	2	80	40	
		2-Scraper (Diesel)	10	2	84	40	
		1-Grader (Diesel)	10	1	83	40	
		3-Water Truck (Diesel)	10	3	75	40	
Civil Installation Phase 2 (20 people)	60	2-Excavator (Diesel)	10	2	81	40	89
		2-Foundationauger (Diesel)	10	2	85	20	
		2-Backhoes (Diesel)	10	2	80	40	
		3-Dump Truck (Diesel)	10	3	80	40	
		2-Skip Loader (Diesel)	10	2	80	40	
		1-Water Truck (Diesel)	10	1	75	40	
		2-Bobcat Skid Steer (Diesel)	10	2	80	40	
		2-Forklift (Propane)	5	2	80	40	
		1- Concrete Pump Truck (Diesel)	10	3	81	75	
		1-Tool Trailer	5	1			

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
Electrical Phase 2 Including Wiring (50 people)	80	2-Scissor Lifts (Propane)	10	2	75	10	84
		3-Manlifts (Propane)	10	3	75	10	
		3-Reach Lift (Propane)	10	3	75	10	
		1-15-Ton Crane (Diesel)	6	1	80	16	
		1-50-Ton Crane (Diesel)	10	1	83	16	
		1-100-Ton Crane (Diesel)	10	1	85	16	
		2-Tool Trailer	10	2			
		3-Forklift (Propane)	6	3	80	40	
		3-Crew Trucks (Gasoline)	5	3	75	20	
		1-Flatbed Truck (Gasoline)	6	1	75	40	
Maintenance Crew Equipment Check Phase 2 (3 people)	25	2-Maintenance Trucks (Gasoline)	5	2	75	20	69
Testing Phase 2 (9 people)	100	4-Crew Truck (Gasoline)	3	4	75	20	70
Civil Demo/Grading Phase 3 (75 people)	100	3-Excavator (Diesel)	10	3	81	40	93
		4-Backhoes (Diesel)	10	4	80	40	
		4-Dump Truck (Diesel)	10	4	80	40	
		3-Skip Loader (Diesel)	10	3	80	40	
		2-Water Truck (Diesel)	10	2	75	40	
		4-Bobcat Skid Steer (Diesel)	10	4	80	40	
		4-Forklift (Propane)	10	4	80	40	
		3-Dozer (Diesel)	10	3	82	40	
		2-Loader (Diesel)	10	2	80	40	
		6-Scraper (Diesel)	10	6	84	40	
		2-Grader (Diesel)	10	2	83	40	
		4-Water Truck (Diesel)	10	4	75	40	
		30-Haul Truck (Gasoline)	10	10	76	17	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
Civil Installation Phase 3 (75 people)	175	4-Excavator (Diesel)	10	4	81	40	91
		4-Foundation Auger (Diesel)	10	4	84	20	
		5-Backhoes (Diesel)	10	5	80	40	
		3-Dump truck (Diesel)	10	2	80	17	
		2-Skip Loader (Diesel)	10	2	80	40	
		4-Water Truck (Diesel)	10	4	75	40	
		1-Concrete Pump Truck (Diesel)	10	3	81	30	
		6-Bobcat Skid Steer (Diesel)	10	6	80	40	
		3-Forklift (Propane)	5	3	80	40	
		2-Tool Trailer	2	2			
Electrical Phase 3 Including Wiring (80 people)	240	4-Scissor Lifts (Propane)	10	4	75	20	86
		4-Manlifts (Propane)	10	4	75	20	
		3-Reach Manlifts (Propane)	10	3	75	20	
		1-15-Ton Crane (Diesel)	6	1	80	16	
		1-20-Ton Crane (Diesel)	5	1	81	16	
	80	1-100-Ton Crane (Diesel)	10	1	85	16	
	240	3-Tool Trailer	5	3			
		4-Forklift (Propane)	7	4	80	40	
		3-Crew Trucks (Gasoline)	7	3	75	20	
		1-Flatbed Truck (Gasoline)	7	1	75	40	
120	500 KW Generator (Diesel)	10	1	82	50		
Maintenance Crew Equipment Check Phase 3 (5 people)	80	3-Maintenance Trucks (Gasoline)	5	3	75	20	71
Testing Phase 3 (9 people)	360	4-Crew Truck (Gasoline)	3	4	75	20	70
Asphalting and Fencing Phase 3 (25 people)	40	2-Paving Roller (Diesel)	10	2	80	20	87
		1-Asphalt Paver (Diesel)	10	1	77	50	
		2-Stake Truck (Gasoline)	5	2	75	20	
		1-Tractor (Diesel)	10	1	84	40	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
Asphalting and Fencing Phase 3 (cont.) (25 people)		1- Concrete Pump Truck (Diesel)	6	1	81	75	87
		1-Dump Truck (Diesel)	10	2	76	17	
	90	2-Crew Trucks (Gasoline)	2	2	75	20	
	40	1-Asphalt Curb Machine (Diesel)	10	1	80	50	
	40	1-Concrete Pump (Diesel)	10	1	81	20	
	60	1-Forklift (Propane)	6	1	80	40	
	90	1-Backhoe (Diesel)	10	1	80	40	
Fiber Optic Cable Installation	1176	Pickup Truck	10	4	75	20	75
		Man Lift	10	2	75	10	
Fiber Optic/Copper Cable Removal	262	Pickup Truck	10	4	75	20	76
		Man Lift	10	2	75	20	
Splicing and Testing		Pickup Truck	5	2	75	20	69
Install Underground Cable	130	Pickup Truck	6	2	75	20	78
		Manlift	6	1	75	10	
		Boom/Crane Truck	6	2	80	16	
		Wire Truck/Trailer	6	2			
		Pulling Machine	6	1	80	40	
Splice Underground Cable (31)	130	Pickup Truck	6	1	75	20	72
		Splice Truck	6	2	75	20	
Survey	1183	Pickup Truck	10	2	75	20	71
Construction and Materials Yard	1163	Pickup Truck	4	1	75	20	78
		Forklift	5	1	80	40	
		Boom/Crane Truck	5	1	80	16	
		Water Truck	10	1	80	16	
		Flat Bed Truck/Trailer	6	1	74	40	
Right-of-Way (ROW) Clearing	18	Pickup Truck	10	2	75	20	87
		Backhoe/Front Loader	7	2	79	40	
		Dozer	7	2	84	40	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
ROW Clearing (cont.)		Grader	7	2	84	40	87
		Water Truck	9	2	80	40	
		Flat Bed Truck/Trailer	5	2	74	40	
Roads and Landing Work	26	Pickup Truck	5	2	75	20	88
		Backhoe/Front Loader	7	2	79	40	
		Dozer	7	2	84	40	
		Grader	5	2	84	40	
		Water Truck	10	2	80	40	
		Drum Type Compactor	5	2	74	40	
		Excavator	7	2	83	40	
		Flat Bed Truck/Trailer	4	2	74	40	
Wet Crossing Installation	6	Pickup Truck	10	2	75	20	85
		Excavator	10	1	83	40	
		Backhoe/Front Loader	10	1	79	40	
		Loader	10	1	80	40	
		Dump Truck	10	1	80	17	
		Water Truck	10	1	80	40	
		Concrete Mixer Truck	10	1	82	40	
		Flat Bed Truck/Trailer	10	1	74	40	
A-Guard Structure Installation	19	Pickup Truck	8	1	75	20	86
		Pickup Truck	8	1	75	20	
		Compressor Trailer	7	2	79	40	
		Manlift	5	2	75	20	
		Boom/Crane Truck	8	2	83	16	
		Water Truck	10	2	80	40	
		Auger Truck	8	2	85	20	
		Flat Bed Pole Truck	8	2	74	40	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
B-Guard Structure Installation	4	Pickup Truck	8	1	75	20	86
		Pickup Truck	8	1	75	20	
		Compressor Trailer	7	2	79	40	
		Manlift	5	2	75	20	
		Boom/Crane Truck	8	2	83	16	
		Water Truck	10	2	80	40	
		Auger Truck	8	2	85	20	
		Flat Bed Pole Truck	8	2	74	40	
C-Guard Structure Installation	4	Pickup Truck	8	1	75	20	86
		Pickup Truck	8	1	75	20	
		Compressor Trailer	7	2	79	40	
		Manlift	5	2	75	20	
		Boom/Crane Truck	8	2	83	16	
		Water Truck	10	2	80	40	
		Auger Truck	8	2	85	20	
		Flat Bed Pole Truck	8	2	74	40	
A-Shoo-fly Pole Haul	5	Pickup Truck	10	1	75	20	81
		Water Truck	10	1	80	40	
		Boom/Crane Truck	8	2	83	16	
		Flat Bed Pole Truck	10	2	74	40	
B-Shoo-fly Pole Haul	2	Pickup Truck	10	1	75	20	81
		Water Truck	10	1	80	40	
		Boom/Crane Truck	8	2	83	16	
		Flat Bed Pole Truck	10	2	74	40	
A-Shoo-fly Pole Assembly	3	Pickup Truck	10	2	75	20	81
		Compressor Trailer	10	1	79	40	
		Pickup Truck	10	2	75	20	
		Water Truck	10	1	80	40	
		Boom/Crane Truck	10	1	83	16	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
B-Shoo-fly Pole Assembly	1	Pickup Truck	10	2	75	20	81
		Compressor Trailer	10	1	79	40	
		Pickup Truck	10	2	75	20	
		Water Truck	10	1	80	40	
		Boom/Crane Truck	10	1	83	16	
A-Install Shoo-fly Pole	6	Pickup Truck	6	2	75	20	86
		Manlift	10	2	79	40	
		Boom/Crane Truck	7	2	83	16	
		Auger Truck	8	2	85	20	
		Water Truck	10	2	80	40	
		Backhoe/Front Loader	10	2	79	40	
		Flat Bed Pole Truck	6	2	74	40	
B-Install Shoo-fly Pole	1	Pickup Truck	6	2	75	20	86
		Manlift	10	2	75	20	
		Boom/Crane Truck	7	2	83	16	
		Auger Truck	8	2	85	20	
		Water Truck	10	2	80	40	
		Backhoe/Front Loader	10	2	79	40	
		Flat Bed Pole Truck	6	2	74	40	
A-Install Shoo-fly Conductor	11	Pickup Truck	10	2	75	20	87
		Pickup Truck	10	2	75	20	
		Manlift	10	2	75	20	
		Boom/Crane Truck	10	2	83	16	
		Medium Crane	10	2	84	16	
		Wire Truck/Trailer	10	1	80	40	
		Pulling Machine	10	1	80	20	
		Pulling Machine	10	1	80	20	
		Conductor Splicing Rig	10	1	75	10	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
A-Install Shoo-fly Conductor (cont.)		Fiber Splicing Lab	10	1			87
		Spacing Cart	10	4			
		Backhoe/Front Loader	8	2	79	40	
		Dozer	8	1	84	40	
		Dozer	10	1	84	40	
		Flat Bed Truck/Trailer	10	2	74	40	
B-Install Shoo-fly Conductor	3	Pickup Truck	10	2	75	20	87
		Pickup Truck	10	2	75	20	
		Manlift	10	2	75	20	
		Boom/Crane Truck	10	2	83	16	
		Medium Crane	10	2	84	16	
		Wire Truck/Trailer	10	1	80	40	
		Pulling Machine	10	1	80	20	
		Pulling Machine	10	1	80	20	
		Conductor Splicing Rig	10	1	75	10	
		Fiber Splicing Lab	10	1			
		Spacing Cart	10	4			
		Backhoe/Front Loader	8	2	79	40	
		Dozer	8	1	84	40	
		Dozer	10	1	84	40	
Flat Bed Truck/Trailer	10	2	74	40			
A-Remove Existing Conductor and GW (11) – 500 kV, 220 kV, and 66 kV	15	Pickup Truck	10	4	75	20	86
		Manlift	10	4	75	20	
		Boom/Crane Truck	10	2	83	16	
		Dozer	5	1	84	40	
		Dozer	5	1	84	40	
		Pulling Machine	5	1	80	20	
		Pulling Machine	5	1	80	20	

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A-Remove Existing Conductor and GW (11) – 500 kV, 220 kV, and 66 kV (cont.)		Pulling Machine	5	1	80	20	86
		Flat Bed Truck/Trailer	2	2	74	40	
		Water Truck	6	2	80	40	
		Flat Bed Truck/Trailer	4	4	74	40	
B-Remove Existing Conductor and GW (11) – 500 kV, 220 kV, and 66 kV	57	Pickup Truck	10	4	75	20	86
		Manlift	10	4	75	20	
		Boom/Crane Truck	10	2	83	16	
		Dozer	5	1	84	40	
		Dozer	5	1	84	40	
		Pulling Machine	5	1	80	20	
		Pulling Machine	5	1	80	20	
		Pulling Machine	5	1	80	20	
		Flat Bed Truck/Trailer	2	2	74	40	
		Water Truck	6	2	80	40	
		Flat Bed Truck/Trailer	4	4	74	40	
C-Remove Existing Conductor and GW (11) – 500 kV, 220 kV, and 66 kV	14	Pickup Truck	10	4	75	20	86
		Manlift	10	4	75	20	
		Boom/Crane Truck	10	2	83	16	
		Dozer	5	1	84	40	
		Dozer	5	1	84	40	
		Pulling Machine	5	1	80	20	
		Pulling Machine	5	1	80	20	
		Pulling Machine	5	1	80	20	
		Flat Bed Truck/Trailer	2	2	74	40	
		Water Truck	6	2	80	40	
		Flat Bed Truck/Trailer	4	4	74	40	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
D-Remove Existing Conductor and GW (11) – 500 kV, 220 kV, and 66 kV	8	Pickup Truck	10	4	75	20	86
		Manlift	10	4	75	20	
		Boom/Crane Truck	10	2	83	16	
		Dozer	5	1	84	40	
		Dozer	5	1	84	40	
		Pulling Machine	5	1	80	20	
		Pulling Machine	5	1	80	20	
		Pulling Machine	5	1	80	20	
		Flat Bed Truck/Trailer	2	2	74	40	
		Water Truck	6	2	80	40	
		Flat Bed Truck/Trailer	4	4	74	40	
A-Lattice Steel Tower (LST) Removal (12) – 500 kV, 220 kV, and 66 kV	6	Pickup Truck	8	2	75	20	85
		Compressor Trailer	10	2	79	40	
		Water Truck	10	1	80	40	
		Dump Truck	6	1	80	17	
		Medium Crane	5	2	84	16	
		Large Crane	7	2	85	16	
		Flat Bed Truck/Trailer	10	2	74	40	
B-LST Removal (12) – 500 kV, 220 kV, and 66 kV	9	Pickup Truck	8	2	75	20	85
		Compressor Trailer	10	2	79	40	
		Water Truck	10	1	80	40	
		Dump Truck	6	1	80	17	
		Medium Crane	5	2	84	16	
		Large Crane	7	2	85	16	
		Flat Bed Truck/Trailer	10	2	74	40	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
C-LST Removal (12) – 500 kV, 220 kV, and 66 kV	6	Pickup Truck	8	2	75	20	85
		Compressor Trailer	10	2	79	40	
		Water Truck	10	1	80	40	
		Dump Truck	6	1	80	17	
		Medium Crane	5	2	84	16	
		Large Crane	7	2	85	16	
		Flat Bed Truck/Trailer	10	2	74	40	
D-LST Removal (12) – 500 kV, 220 kV, and 66 kV	1	Pickup Truck	8	2	75	20	85
		Compressor Trailer	10	2	79	40	
		Water Truck	10	1	80	40	
		Dump Truck	6	1	80	17	
		Medium Crane	5	2	84	16	
		Large Crane	7	2	85	16	
		Flat Bed Truck/Trailer	10	2	74	40	
A-LST Foundation Removal (13) – 500 kV, 220 kV, and 66 kV	5	Pickup Truck	8	2	75	20	85
		Compressor Trailer	10	2	79	40	
		Water Truck	10	1	80	40	
		Backhoe/Front Loader	10	2	79	40	
		Dump Truck	10	1	80	17	
		Excavator	10	1	83	40	
B-LST Foundation Removal (13) – 500 kV, 220 kV, and 66 kV	10	Pickup Truck	8	2	75	20	85
		Compressor Trailer	10	2	79	40	
		Water Truck	10	1	80	40	
		Backhoe/Front Loader	10	2	79	40	
		Dump Truck	10	1	80	17	
		Excavator	10	1	83	40	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
C-LST Foundation Removal (13) – 500 kV, 220 kV, and 66 kV	6	Pickup Truck	8	2	75	20	85
		Compressor Trailer	10	2	79	40	
		Water Truck	10	1	80	40	
		Backhoe/Front Loader	10	2	79	40	
		Dump Truck	10	1	80	17	
		Excavator	10	1	83	40	
D-LST Foundation Removal (13) – 500 kV, 220 kV, and 66 kV	2	Pickup Truck	8	2	75	20	85
		Compressor Trailer	10	2	79	40	
		Water Truck	10	1	80	40	
		Backhoe/Front Loader	10	2	79	40	
		Dump Truck	10	1	80	17	
		Excavator	10	1	83	40	
A-Tubular Steel Pole (TSP) Removal (14) – 220 kV and 66 kV	2	Pickup Truck	8	2	75	20	84
		Pickup Truck	8	2	75	20	
		Water Truck	10	1	80	40	
		Compressor Trailer	10	2	79	40	
		Dump Truck	10	2	80	17	
		Large Crane	7	2	85	16	
B-TSP Removal (14) – 220 kV and 66 kV	3	Pickup Truck	8	2	75	20	84
		Pickup Truck	8	2	75	20	
		Water Truck	10	1	80	40	
		Dump Truck	10	1	80	17	
		Compressor Trailer	10	2	79	40	
		Large Crane	7	2	85	16	
C-TSP Removal (14) – 220 kV and 66 kV	2	Pickup Truck	8	2	75	20	84
		Pickup Truck	8	2	75	20	
		Water Truck	10	1	80	40	
		Dump Truck	10	1	80	17	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
C-TSP Removal (14) – 220 kV and 66 kV (cont.)		Compressor Trailer	10	2	79	40	84
		Large Crane	7	2	85	16	
A-TSP Foundation Removal (15) – 220 kV and 66 kV	4	Pickup Truck	8	2	75	20	85
		Compressor Trailer	10	2	79	40	
		Water Truck	10	1	80	40	
		Backhoe/Front Loader	10	2	79	40	
		Dump Truck	10	2	80	17	
		Excavator	10	1	83	40	
B-TSP Foundation Removal (15) – 220 kV and 66 kV	5	Pickup Truck	8	2	75	20	85
		Compressor Trailer	10	2	79	40	
		Water Truck	10	1	80	40	
		Backhoe/Front Loader	10	2	79	40	
		Dump Truck	10	2	80	17	
		Excavator	10	1	83	40	
C-TSP Foundation Removal (15) – 220 kV and 66 kV	2	Pickup Truck	8	2	75	20	85
		Compressor Trailer	10	2	79	40	
		Water Truck	10	1	80	40	
		Backhoe/Front Loader	10	2	79	40	
		Dump Truck	10	2	80	17	
		Excavator	10	1	83	40	
66 kV Pole Removal (16)	13	Pickup Truck	8	2	75	20	81
		Compressor Trailer	10	1	79	40	
		Manlift	7	2	75	20	
		Boom/Crane Truck	7	2	83	16	
		Flat Bed Pole Truck	10	2	74	40	
A-Install LST Foundations	28	Pickup Truck	5	2	75	20	87
		Boom/Crane Truck	7	2	83	16	
		Backhoe/Front Loader	10	2	79	40	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
A-Install LST Foundations (cont.)		Auger Truck	10	2	85	20	88
		Water Truck	10	2	80	40	
		Dump Truck	10	2	80	17	
		Concrete Mixer Truck	7	3	82	75	
B-Install LST Foundations	26	Pickup Truck	5	2	75	20	88
		Boom/Crane Truck	7	2	83	16	
		Backhoe/Front Loader	10	2	79	40	
		Auger Truck	10	2	85	20	
		Water Truck	10	2	80	40	
		Dump Truck	10	2	80	17	
		Concrete Mixer Truck	7	3	82	75	
C-Install LST Foundations	5	Pickup Truck	5	2	75	20	88
		Boom/Crane Truck	7	2	83	16	
		Backhoe/Front Loader	10	2	79	40	
		Auger Truck	10	2	85	20	
		Water Truck	10	2	80	40	
		Dump Truck	10	2	80	40	
		Concrete Mixer Truck	7	3	82	75	
A-LST Steel Haul	4	Pickup Truck	10	1	75	20	82
		Water Truck	10	1	80	40	
		Forklift	8	2	80	40	
		Flat Bed Truck/Trailer	10	2	74	40	
B-LST Steel Haul	4	Pickup Truck	10	1	75	20	82
		Water Truck	10	1	80	40	
		Forklift	8	2	80	40	
		Flat Bed Truck/Trailer	10	2	74	40	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
A-LST Steel Assembly	40	Pickup Truck	5	2	75	20	84
		Pickup Truck	5	2	75	20	
		Compressor Trailer	7	2	79	40	
		Forklift	7	2	80	40	
		Large Crane	10	2	85	16	
B-LST Steel Assembly	34	Pickup Truck	5	2	75	20	84
		Pickup Truck	5	2	75	20	
		Compressor Trailer	7	2	79	40	
		Forklift	7	2	80	40	
		Large Crane	10	2	85	16	
C-LST Steel Assembly	7	Pickup Truck	5	2	75	20	84
		Pickup Truck	5	2	75	20	
		Compressor Trailer	7	2	79	40	
		Forklift	7	2	80	40	
		Large Crane	10	2	85	16	
A-LST Erection	36	Pickup Truck	8	2	75	20	86
		Pickup Truck	8	2	75	20	
		Water Truck	10	2	80	40	
		Compressor Trailer	7	4	79	40	
		Medium Crane	7	2	84	16	
		Large Crane	7	2	85	16	
B-LST Erection	34	Pickup Truck	8	2	75	20	86
		Pickup Truck	8	2	75	20	
		Water Truck	10	2	80	40	
		Compressor Trailer	7	4	79	40	
		Medium Crane	7	2	84	16	
		Large Crane	7	2	85	16	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
C-LST Erection	8	Pickup Truck	8	2	75	20	86
		Pickup Truck	8	2	75	20	
		Water Truck	10	2	80	40	
		Compressor Trailer	7	4	79	40	
		Medium Crane	7	2	84	16	
		Large Crane	7	2	85	16	
A-Install TSP Foundations (21) – 220 kV and 66 kV	45	Pickup Truck	5	4	75	20	88
		Boom/Crane Truck	7	2	83	16	
		Backhoe/Front Loader	10	2	79	40	
		Auger Truck	10	2	85	20	
		Water Truck	10	2	80	40	
		Dump Truck	10	1	80	17	
		Concrete Truck	6	3	82	75	
B-Install TSP Foundations (21) – 220 kV and 66 kV	7	Pickup Truck	5	4	75	20	88
		Boom/Crane Truck	7	2	83	16	
		Backhoe/Front Loader	10	2	79	40	
		Auger Truck	10	2	85	20	
		Water Truck	10	2	80	40	
		Dump Truck	10	1	80	17	
		Concrete Truck	6	3	82	75	
C-Install TSP Foundations (21) – 220 kV and 66 kV	7	Pickup Truck	5	4	75	20	88
		Boom/Crane Truck	7	2	83	16	
		Backhoe/Front Loader	10	2	79	40	
		Auger Truck	10	2	85	20	
		Water Truck	10	2	80	40	
		Dump Truck	10	3	80	17	
		Concrete Truck	6	2	82	75	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
A-TSP Haul (22) – 220 kV and 66 kV	9	Pickup Truck	8	1	75	20	81
		Water Truck	10	1	80	40	
		Boom/Crane Truck	8	2	83	16	
		Flat Bed Pole Truck	10	2	74	40	
B-TSP Haul (22) – 220 kV and 66 kV	1	Pickup Truck	8	1	75	20	81
		Water Truck	10	1	80	40	
		Boom/Crane Truck	8	2	83	16	
		Flat Bed Pole Truck	10	2	74	40	
C-TSP Haul (22) – 220 kV and 66 kV	3	Pickup Truck	8	1	75	20	81
		Water Truck	10	1	80	40	
		Boom/Crane Truck	8	2	83	16	
		Flat Bed Pole Truck	10	2	74	40	
A-TSP Assembly (23) – 220 kV and 66 kV	8	Pickup Truck	6	2	75	20	82
		Pickup Truck	6	2	75	20	
		Water Truck	10	1	80	40	
		Compressor Trailer	6	2	79	40	
		Boom/Crane Truck	7	2	83	16	
B-TSP Assembly (23) – 220 kV and 66 kV	2	Pickup Truck	6	2	75	20	82
		Pickup Truck	6	2	75	20	
		Water Truck	10	1	80	40	
		Compressor Trailer	6	2	79	40	
		Boom/Crane Truck	7	2	83	16	
C-TSP Assembly (23) – 220 kV and 66 kV	1	Pickup Truck	6	2	75	20	82
		Pickup Truck	6	2	75	20	
		Water Truck	10	1	80	40	
		Compressor Trailer	6	2	79	40	
		Boom/Crane Truck	7	2	83	16	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
A-TSP Erection (24) – 220 kV and 66 kV	8	Pickup Truck	6	2	75	20	83
		Pickup Truck	6	2	75	20	
		Water Truck	10	1	80	40	
		Compressor Trailer	6	2	79	40	
		Large Crane	7	2	85	16	
B-TSP Erection (24) – 220 kV and 66 kV	2	Pickup Truck	6	2	75	20	83
		Pickup Truck	6	2	75	20	
		Water Truck	10	1	80	40	
		Compressor Trailer	6	2	79	40	
		Large Crane	7	2	85	16	
C-TSP Erection (24) – 220 kV and 66 kV	2	Pickup Truck	6	2	75	20	83
		Water Truck	10	1	80	40	
		Compressor Trailer	6	2	79	40	
		Large Crane	7	2	85	16	
A-Install/Transfer Conductor (25) – 500 kV, 220 kV, and 66 kV	111	Pickup Truck	10	2	75	20	88
		Pickup Truck	10	2	75	20	
		Manlift	10	2	75	20	
		Boom/Crane Truck	10	2	83	16	
		Medium Crane	10	2	84	16	
		Wire Truck/Trailer	10	1	80	40	
		Pulling Machine	10	1	80	40	
		Pulling Machine	10	1	80	40	
		Conductor Splicing Rig	10	1	75	20	
		Fiber Splicing Lab	10	1			
		Spacing Cart	10	4			
		Backhoe/Front Loader	8	2	79	40	
		Dozer	8	1	84	40	
		Dozer	10	1	84	40	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
A-Install/Transfer Conductor (25) – 500 kV, 220 kV, and 66 kV (cont.)		Flat Bed Truck/Trailer	10	2	79	40	88
		Helicopter	7	0	103	40	
		Fuel Truck	7	1	74	40	
B-Install/Transfer Conductor (25) – 500 kV, 220 kV, and 66 kV	48	Pickup Truck	10	2	75	20	88
		Pickup Truck	10	2	75	20	
		Manlift	10	2	75	20	
		Boom/Crane Truck	10	2	83	16	
		Medium Crane	10	2	84	16	
		Wire Truck/Trailer	10	1	80	40	
		Pulling Machine	10	1	80	40	
		Pulling Machine	10	1	80	40	
		Conductor Splicing Rig	10	1	75	10	
		Fiber Splicing Lab	10	1			
		Spacing Cart	10	4			
		Backhoe/Front Loader	8	2	79	40	
		Dozer	8	1	84	40	
		Dozer	10	1	84	40	
		Flat Bed Truck/Trailer	10	2	79	40	
Helicopter	7	0	103	40			
Fuel Truck	7	1	74	40			
C-Install/Transfer Conductor (25) – 500 kV, 220 kV, and 66 kV	64	Pickup Truck	10	2	75	20	88
		Pickup Truck	10	2	75	20	
		Manlift	10	2	75	20	
		Boom/Crane Truck	10	2	83	16	
		Medium Crane	10	2	84	16	
		Wire Truck/Trailer	10	1	80	40	
		Pulling Machine	10	1	80	40	
		Pulling Machine	10	1	80	40	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
C-Install/Transfer Conductor (25) – 500 kV, 220 kV, and 66 kV (cont.)		Conductor Splicing Rig	10	1	75	10	88
		Fiber Splicing Lab	10	1			
		Spacing Cart	10	4			
		Backhoe/Front Loader	8	2	79	40	
		Dozer	8	1	84	40	
		Dozer	10	1	84	40	
		Flat Bed Truck/Trailer	10	2	79	40	
		Helicopter	7	0	103	40	
		Fuel Truck	7	1	74	40	
D-Install/Transfer Conductor (25) – 500 kV, 220 kV, and 66 kV	21	Pickup Truck	10	2	75	20	88
		Pickup Truck	10	2	75	20	
		Manlift	10	2	75	20	
		Boom/Crane Truck	10	2	83	16	
		Medium Crane	10	2	84	16	
		Wire Truck/Trailer	10	1	80	40	
		Pulling Machine	10	1	80	40	
		Pulling Machine	10	1	80	40	
		Conductor Splicing Rig	10	1	75	10	
		Fiber Splicing Lab	10	1			
		Spacing Cart	10	4			
		Backhoe/Front Loader	8	2	79	40	
		Dozer	8	1	84	40	
		Dozer	10	1	84	40	
		Flat Bed Truck/Trailer	10	2	79	40	
		Helicopter	7	0	103	40	
Fuel Truck	7	1	74	40			

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
A-Shoo-fly Pole Removal	3	Pickup Truck	6	2	75	20	83
		Compressor Trailer	6	2	79	40	
		Water Truck	10	1	80	40	
		Manlift	10	2	75	20	
		Boom/Crane Truck	7	2	83	16	
		Flat Bed Truck/Trailer	6	2	74	40	
B-Shoo-fly Pole Removal	1	Pickup Truck	6	2	75	20	83
		Compressor Trailer	6	2	79	40	
		Water Truck	10	1	80	40	
		Manlift	10	2	75	20	
		Boom/Crane Truck	7	2	83	16	
		Flat Bed Truck/Trailer	6	2	74	40	
A-Remove Shoo-fly Conductor and GW (27)	17	Pickup Truck	10	2	75	20	85
		Manlift	10	2	75	20	
		Sleeving Truck	5	2	80	20	
		Boom/Crane Truck	5	4	83	16	
		Pulling Machine	5	2	80	40	
		Flat Bed Truck/Trailer	2	2	74	40	
		Pulling Machine	5	2	80	40	
		Water Truck	10	1	80	40	
		Flat Bed Truck/Trailer	10	2	74	40	
B-Remove Shoo-fly Conductor and GW	3	Manlift	10	2	75	20	85
		Sleeving Truck	5	2	80	20	
		Boom/Crane Truck	5	4	83	16	
		Pulling Machine	5	2	80	40	
		Flat Bed Truck/Trailer	2	2	80	40	
		Pulling Machine	5	2	80	40	
		Water Truck	10	1	80	40	
		Flat Bed Truck/Trailer	10	2	74	40	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
A-Guard Structure Removal	15	Pickup Truck	7	2	75	20	84
		Pickup Truck	7	8	75	20	
		Compressor Trailer	7	2	79	40	
		Water Truck	10	1	80	40	
		Manlift	5	2	75	20	
		Boom/Crane Truck	10	2	83	16	
		Flat Bed Pole Truck	7	2	74	40	
B-Guard Structure Removal	1	Pickup Truck	7	2	75	20	84
		Pickup Truck	7	8	75	20	
		Compressor Trailer	7	2	79	40	
		Water Truck	10	1	80	40	
		Manlift	5	2	75	20	
		Boom/Crane Truck	10	2	83	16	
		Flat Bed Pole Truck	7	2	74	40	
Vault Installation	23	Pickup Truck	5	2	75	20	87
		Backhoe/Front Loader	8	2	79	40	
		Excavator	7	2	83	40	
		Dump Truck	10	2	80	40	
		Water Truck	2	2	80	17	
		Large Crane	7	1	85	16	
		Concrete Truck	10	3	82	75	
		Flat Bed Truck/Trailer	5	2	74	40	
		Flat Bed Truck/Trailer	5	2	74	40	
Duct Bank Installation	55	Pickup Truck	5	2	75	20	90
		Compressor Trailer	5	2	79	40	
		Backhoe/Front Loader	7	2	79	40	
		Dump Truck	7	3	80	17	
		Pipe Truck/Trailer	7	1	80	20	

Activity and Number of Personnel	Number of Work Days	Equipment	Duration of Use (Hours/Day)	Quantity	Maximum Sound Level at 50 feet (A-weighted decibels [dBA])	Usage Factor (%)	Equivalent Noise Level (8 hour) at 50 feet (dBA)
Duct Bank Installation (cont.)		Water Truck	10	1	80	40	90
		Concrete Truck	4	5	82	75	
		Flat Bed Truck/Trailer	5	1	74	40	
		Flat Bed Truck/Trailer	5	1	74	40	
		Concrete Saw	8	2	90	20	
Install Underground Cable	40	Pickup Truck	5	2	75	20	83
		Manlift	5	4	75	20	
		Boom/Crane Truck	7	1	83	16	
		Water Truck	10	1	80	40	
		Pipe Truck/Trailer	7	1	80	40	
		Wire Truck/Trailer	5	1	80	40	
		Pulling Machine	5	2	80	40	
		Flat Bed Truck/Trailer	5	2	74	40	
Splice Underground Cable	42	Pickup Truck	10	20	75	20	81
		Splice Truck	10	2	75	20	
Restoration	10	Pickup Truck	4	2	75	20	86
		Backhoe/Front Loader	7	2	79	40	
		Grader	7	2	85	40	
		Water Truck	10	2	80	40	
		Drum Type Compactor	7	2	83	20	
		Flat Bed Truck/Trailer	3	1	74	40	

Sources: Southern California Edison; Federal Highway Administration, 2006