Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Sheridan Mascarenhas
Title: Sr. Engineer
Dated: 07/17/2018

Question 06 (B-5):

Identify the length of the upgraded alignment, the new alignment, etc.

The PEA project descriptions does not include the 100 wood distribution poles. However, the project description does identify 2 miles of distribution line as part of the project.

A. Please confirm or clarify whether the distribution line for which 100 poles would be installed is included in description of Proposed Project, Section 3.5 (Project Components).

Response to Question 06 (B-5):

The estimated 100 poles proposed to be installed are included in the description of the Proposed Project at PEA Section 3.5.2.4 Distribution Poles, page 3-35. Additional preliminary information concerning the pole locations will be provided in the GIS data that is expected to be submitted to the CPUC on or about July 31, 2018.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Sheridan Mascarenhas
Title: Sr Distribution Engineer
Dated: 07/17/2018

Question 07 (B-6):

Describe what would occur to other lines and utilities that may be collocated on the poles to be replaced (e.g., distribution, communication, etc.).

No information was provided on whether there are any collocated utilities would be affected and, if so, how they would be handled.

A. Please identify if there are any collocated utilities or lines affected by the proposed project.

Response to Question 07 (B-6):

No third party joint poles are anticipated for the proposed Project. Any third party attachments found during final engineering would follow the agreements and procedures as detailed in SCE's "Joint Pole Agreement" with other non-SCE collocated utilities on the existing poles.

The SCE co-located facilities are identified in SCE's response to Question 13.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Sheridan Mascarenhas
Title: Sr. Engineer
Dated: 07/17/2018

Question 08 (B-6):

Provide the following information for each pole/tower that would be installed and for each pole/tower that would be removed:

-Unique ID number to match GIS database information.
-Structure diagram and, if available, photos of existing structure. Preliminary diagram or "typical" drawings and, if possible, photos of proposed structure. Also provide a written description of the most common types of structures and their use (e.g., Tangent poles would be used when the run of poles continues in a straight line, etc.). Describe if the pole/tower design meets raptor safety requirements.
-Type of pole (e.g., wood, steel, etc.) or tower (e.g., self□supporting lattice).
-For poles, provide "typical" drawings with approximate diameter at the base and the tip; for towers, estimate the width at base and top.
-Identify typical total pole lengths, the approximate length to be embedded, and the approximate length that would be above ground surface; for towers, identify the approximate height above ground surface and approximate base footprint area.

A. Section 3.5.2 (Poles/Towers), Appendix E Detailed Route Maps, and GIS files need to include the 100-pole distribution system that is being proposed as part ofthe project.

Response to Question 08 (B-6):

SCE forecasts that the detailed design of the proposed distribution facilities for the project, would be completed by the first quarter of 2019. A desktop analysis of the proposed distribution facilities (including poles) will be provided with the revised GIS data to be sent to the CPUC on July 31, 2018.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Sheridan Mascarenhas
Title: Sr. Engineer
Dated: 07/17/2018

Question 08 (B-6) Supplemental:

Provide the following information for each pole/tower that would be installed and for each pole/tower that would be removed:

-Unique ID number to match GIS database information.
-Structure diagram and, if available, photos of existing structure. Preliminary diagram or "typical" drawings and, if possible, photos of proposed structure. Also provide a written description of the most common types of structures and their use (e.g., Tangent poles would be used when the run of poles continues in a straight line, etc.). Describe if the pole/tower design meets raptor safety requirements.
-Type of pole (e.g., wood, steel, etc.) or tower (e.g., self□supporting lattice).
-For poles, provide "typical" drawings with approximate diameter at the base and the tip; for towers, estimate the width at base and top.
-Identify typical total pole lengths, the approximate length to be embedded, and the approximate length that would be above ground surface; for towers, identify the approximate height above ground surface and approximate base footprint area.

A. Section 3.5.2 (Poles/Towers), Appendix E Detailed Route Maps, and GIS files need to include the 100-pole distribution system that is being proposed as part ofthe project.

Response to Question 08 (B-6) Supplemental:

As indicated in SCE's response to Deficiency Question 8, this supplemental response includes the revised GIS data information.

The GIS data has changed since SCE's original submittal on 5/2/18. In addition, SCE forecasts that the detailed design of the proposed distribution facilities for the project, would be completed by the first quarter of 2019.

This supplemental response references revised GIS data information noted in the earlier response.

See Response 5B Supplemental for change log
ELMSC_PEA_Design_Data_v2_20180806_ChangeLog.xlsx; tab 'eng_DistributionStructure_Pt'

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Sheridan Mascarenhas
Title: Sr. Engineer
Dated: 07/17/2018

Question 09 (B-6):

Describe any specialty poles or towers; note where they would be used (e.g., angle structures, heavy angle lattice towers, stub guys); make sure to note if any guying would likely be required across a road.

A. Please provide the required information for the approximately 100 wood poles proposed to be installed.

Response to Question 09 (B-6):

For the proposed distribution facilities, SCE does not anticipate the use of specialty poles or towers. All guying infrastructure required would be part of SCE's standard designs. These can be made available after the designs of these distribution facilities are completed in the first quarter of 2019. SCE has conducted a desktop analysis of proposed distribution pole locations, which will be provided with the revised GIS data to be sent to the CPUC on July 31, 2018.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Sheridan Mascarenhas
Title: Sr. Engineer
Dated: 07/17/2018

Question 09 (B-6) Supplemental:

Describe any specialty poles or towers; note where they would be used (e.g., angle structures, heavy angle lattice towers, stub guys); make sure to note if any guying would likely be required across a road.
A. Please provide the required information for the approximately 100 wood poles proposed to be installed.

Response to Question 09 (B-6) Supplemental:

As indicated in SCE's response to Deficiency Question 9, this supplemental response includes the revised GIS data information. The GIS data has changed since SCE's original submittal on 5/2/18. For GIS changes please refer to change log tab 'eng_DistributionStructure_Pt' to identify the locations of poles on the GIS map package. The revised GIS data is being separately submitted to the CPUC / Aspen.

For the proposed distribution facilities, SCE does not anticipate the use of specialty poles or towers. All guying infrastructure required would be part of SCE's standard designs. These designs can be made available upon final engineering, which is expected to be completed in the first quarter of 2019.

See Response 5B Supplemental for change log (ELMSC_PEA_Design_Data__v2_20180806_ChangeLog.xlsx; tab 'eng_DistributionStructure_Pt')

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Sheridan Mascarenhas
Title: Sr. Engineer
Dated: 07/17/2018

Question 10 (B-6):

If the project includes pole-for-pole replacement, describe the approximate location of where the new poles would be installed relative to the existing alignment.

A. Please provide the required information for the approximately 100 wood poles proposed to be installed.

Response to Question 10 (B-6):

SCE has conducted a desktop analysis of proposed distribution pole locations, which will be provided with the revised GIS data to be sent to the CPUC on July 31, 2018. Please note the pole placements are based on a desktop analysis. Final locations of the distribution facilities will be available after final engineering of the distribution facilities in the first quarter of 2019.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Sheridan Mascarenhas
Title: Sr. Engineer
Dated: 07/17/2018

Question 10 (B-6) Supplemental:

If the project includes pole-for-pole replacement, describe the approximate location of where the new poles would be installed relative to the existing alignment.
A. Please provide the required information for the approximately 100 wood poles proposed to be installed.

Response to Question 10 (B-6) Supplemental:

As indicated in SCE's response to Deficiency Question 10, this supplemental response includes the revised GIS data information.

The GIS data has changed since SCE's original submittal on 5/2/18. For GIS changes please refer to change log tab 'eng_DistributionStructure_Pt' to identify the locations of poles on the GIS map package. The revised GIS data is being separately submitted to the CPUC / Aspen.

Please see Attachment ELMSC_PEA_Design_Data_v2_20180809_ChangeLog.xlsx; tab 'eng_DistributionStructure_Pt' shown in 5B supplemental.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Sheridan Mascarenhas
Title: Sr. Engineer
Dated: 07/17/2018

Question 11 (B-6):

Describe any special pole types (e.g., poles that require foundations, transition towers, switch towers, microwave towers, etc.) and any special features.

A. Please provide the required information for the approximately 100 wood poles proposed to be installed.

Response to Question 11 (B-6):

For the proposed distribution facilities, SCE does not anticipate the use of specialty poles or towers. All guying infrastructure required would be part of SCE's standard designs. These can be made available after the designs of these distribution facilities are completed in the first quarter of 2019. SCE has conducted a desktop analysis of proposed distribution pole locations, which will be provided with the revised GIS data to be sent to the CPUC on July 31, 2018.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Sheridan Mascarenhas
Title: Sr. Engineer
Dated: 07/17/2018

Question 11 (B-6) Supplemental:

Describe any special pole types (e.g., poles that require foundations, transition towers, switch towers, microwave towers, etc.) and any special features.
A. Please provide the required information for the approximately 100 wood poles proposed to be installed.

Response to Question 11 (B-6) Supplemental:

As indicated in SCE's response to Deficiency Question 11, this supplemental response includes the revised GIS data information. The GIS data has changed since SCE's original submittal on 5/2/18. For GIS changes please refer to change log tab 'eng_DistributionStructure_Pt' to identify the locations of poles on the GIS map package. The revised GIS data is being separately submitted to the CPUC / Aspen.

For the proposed distribution facilities, SCE does not anticipate the use of specialty poles or towers. All guying infrastructure required would be part of SCE's standard designs. These designs can be made available upon final engineering, which is expected to be completed in the first quarter of 2019.

See Response 5B Supplemental for change log
ELMSC_PEA_Design_Data_v2_20180806_ChangeLog.xlsx; tab 'eng_DistributionStructure_Pt'

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Lamar Cunningham
Title: Senior Project Engineer
Dated: 07/17/2018

Question 12 (B-7):

Provide the approximate distance from the ground to the lowest conductor and the approximate distance between the conductors (i.e., both horizontally and vertically). Provide specific information at highways, rivers, or special crossings.

Typical ground-to-conductor distances are provided in Section 3.5.3.1. Table 4.16-1 (Roadway Network in the Vicinity of the Proposed Project) identifies roads. However, the required information regarding crossings (e.g., highways, rivers, etc.) is not provided.

A. Please identify highways, major roads, railroads, canyons, rivers, and similar features crossed by the proposed project. Include the distance between the lowest conductor and the ground.

Response to Question 12 (B-7):

The requested information is listed in the attached Excel file "Deficiency Question #12 - Response."

Line Name	Voltage	Span	Crossing Feature	Approximate Distance From The Ground To The Lowest Conductor	Approximate Distance Between the Condoctors
				Vertical	Horizontal
Eldorado - Lugo	500 kV	Proposed "Newberry Series Capacitor" Interset Structure & M68-T3	BNSF Railroad	89'	39'
Eldorado - Lugo	500 kV	M97-T1 & M97-T2	Union Pacific Railroad	57'	39'
Lugo - Mohave	500 kV	M67-T4 & M68-T1	National Trails Highway	70'	39'
Lugo - Mohave	500 kV	M68-T1 & M68-T2	Highway I-40 (Needles Fwy) Eastbound	52'	39'
Lugo - Mohave	500 kV	M68-T1 & M68-T2	Highway I-40 (Needles Fwy) Westbound	37'	39'
Lugo - Mohave	500 kV	M68-T1 & M68-T2	Pisgah Crater Road	63'	39'

Note: This table is inclusive of major rivers such as Mojave River and Colorado River, and it does not include the small, unnamed and ephemeral streams.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Sheridan Mascarenhas
Title: Sr Distribution Engineer
Dated: 07/17/2018

Question 13 (B-7):

Describe if other infrastructure would likely be collocated with the conductor (e.g., fiber optics, etc); if so, provide conduit diameter of other infrastructure.

No information on co-located infrastructure is provided in the PEA.

A. Please see Section 3.5.1 above. SCE needs to confirm whether there is co-located infrastructure.

Response to Question 13 (B-7):

For the proposed distribution facilities, a 12 kV line extension would be the primary source for the station light and power to the Ludlow capacitor site. The poles facilitating this line extension would also hold SCE's proposed telecommunications line traveling to the Ludlow capacitor site. These are the only newly proposed collocated facilities.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Lamar Cunningham
Title: Project Engineer
Dated: 07/17/2018

Question 14 (B-7):

Provide "typical" Plan and Profile views of the proposed substation and the existing substation if applicable.

Plan and profile views are provided for Mid-Line Series Capacitors but not for substations that require modifications. Section 3.5.5 describes changes at substation.

A. Please provide plan and profile views of substations as they would appear after modification.

Response to Question 14 (B-7):

ELM Series Capacitor Project
Deficiency Question 14

The physical improvement areas for the line position work and series capacitors within Eldorado, Lugo and Mohave substations are shown in the list of attachments below that were included in SCE's response to Question No. 2.

Note: Improvement work does not include work in MEERs, Control Buildings or cabling systems running from these buildings to the physical improvement areas.

List of Attachments found in SCE's Response to Question No. 2:

ELM_Q2_Q14_Q15- 3.5.4 Substations_Electrical Arrangement Drawings SC6

ELM_Q2_Q14_Q15- 3.5.4 Substations_Electrical Arrangement Drawings SC1and SC4

ELM_Q2_Q14_Q15- 3.5.4 Substations_Electrical Arrangement Drawings SC3

ELM Q2_Q14_15 Response_LUGO PP

ELM Q2_Q14_15 Response_ELDORADO PP

ELM Q2_Q14_Q15 Response_ELDORADO LUGO POS 8 Mod

ELM Q2_Q14_15 Response_LUGO SC PLAN

ELM Q2_Q14_15 Response_LUGO_ELD POS 3X-MOH POS 4X Mod

ELM Q2_Q14_15 Response_MOHAVE_ELD POS1-LUGO POS3 Mod

ELM Q2_Q14_15 Response_MOHAVE PP

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Lamar Cunningham
Title: Project Engineer
Dated: 07/17/2018

Question 15 (B-8):

Provide the approximate or "typical" dimensions (width and height) of new structures including engineering and design standards that apply.

This information is not provided for the substations that require modifications.

A. Please provide plan and profile views of substations as they would appear after modification.

Response to Question 15 (B-8):

The physical improvement areas for the line position work and series capacitors within Eldorado, Lugo and Mohave substations are shown in the list of attachments below that were included in SCE's response to Question No. 2.

Note: Improvement work does not include work in MEERs, Control Buildings or cabling systems running from these buildings to the physical improvement areas.

List of Attachments found in SCE's Response to Question No. 2:
ELM_Q2_Q14_Q15- 3.5.4 Substations_Electrical Arrangement Drawings SC6

ELM_Q2_Q14_Q15- 3.5.4 Substations_Electrical Arrangement Drawings SC1and SC4

ELM_Q2_Q14_Q15- 3.5.4 Substations_Electrical Arrangement Drawings SC3

ELM_Q2_Q14_15 Response_LUGO PP

ELM_Q2_Q14_15 Response_ELDORADO PP

ELM_Q2_Q14_Q15 Response_ELDORADO LUGO POS 8 Mod

ELM_Q2_Q14_15 Response_LUGO SC PLAN

ELM_Q2_Q14_15 Response_LUGO_ELD POS 3X-MOH POS 4X Mod

ELM_Q2_Q14_15 Response_MOHAVE_ELD POS1-LUGO POS3 Mod

ELM_Q2_Q14_15 Response_MOHAVE PP

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Alex Ramirez
Title: Sr. Right of Way Agent
Dated: 07/17/2018

Question 16A (B-9):

Describe the ROW location, ownership, and width. Would existing ROW be used or would new ROW be required?

PEA (Section 3.6, Right-of-Way Requirements) identifies the existing ROW. The PEA notes that additional land may be required, but provides no specifics. Section 3.6 states "Certain land rights may need to be acquired and/or amended. The status of any applications to federal agencies is unknown. New BLM ROW would be needed between the proposed Newberry Springs Series Capacitor and Ludlow Series Capacitor and from the existing distribution line to the Kelbaker and Lanfair Fiber Optic Repeaters. Distribution to the fiber optic repeaters would be added to the BLM/NPS Lugo-Mohave ROW grants." Kelbaker and Lanfair Repeaters are on NPS land.

A. Please provide information needed to define the ultimate ROW required for the proposed project. . Provide an explanation of the status of the existing ROW in the Preserve (originally granted by BLM but now under NPS jurisdiction). Explain if existing grants of ROW remain in force and what additional land rights will need to be granted, and by what agency (BLM, NPS, BOR, State Lands Commission) will need to grant the additional land and the mechanisms required to obtain the land. Identify the status of any ROW grant application(s). Please identify the location and acreage of any additional land not currently granted to SCE.

Response to Question 16A (B-9):

A map showing the ROW required for the project is included in the PEA submittal, Volume 5, Appendix E, Beginning on Page 125.

The proposed Newberry Springs Series Capacitor site is covered under the existing BLM ROW Grant No. R06876. The existing ROW grant expired in December 2016 and SCE has submitted an application in June 2016 for renewal. The BLM has allowed SCE to continue paying annual rent until the ROW grant renewal is finalized. The BLM is currently working with SCE to amend the application to include the ELM project. SCE will also need to submit a revised application to the NPS to obtain a new ROW grant to include the repeater sites, access roads, and existing transmission lines to cover both existing and proposed facilities. An application will also be filed to authorize construction of the ELM project within the Mojave National Preserve.

SCE has the following right of way grants for the proposed Eldorado-Lugo-Mohave 500kV

Power Lines and Substations:

- BLM Nevada State, Las Vegas Field Office: ROW Grant# NVN66156, NVN3827, and NVN2655.
- BLM California State, Barstow and Needles Field Offices: ROW Grant# CARI06876, and CACA056758.

A portion of the proposed Ludlow Series Capacitor site is within the transmission ROW obtained by Right-of-Way Easement recorded June 13, 1967 in Book 6835, Page 723, Official Records of San Bernardino County. However, the proposed series capacitor will extend beyond the existing easement and onto private property. In addition, the easement does not provide for the right to place the series capacitor within the easement area. As such, acquisition of the entire privately-owned parcel impacted by the series capacitor will be required in order to secure the rights necessary to place the facilities on this parcel.

The Bureau Of Reclamation (BOR) is going to assign a new contract number to the existing BLM grant for the portion of the project located on BOR property.

SCE has an existing Lease, PRC 4024.2 for the El Dorado Lugo Mojave 500kV Transmission Line. The State Lands Commission is reviewing the project description to determine whether the Proposed Project can proceed under an Operations and Maintenance authorization or lease amendment.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Alex Ramirez
Title: Sr. Right of Way Agent
Dated: 07/17/2018

Question 16B (B-9):

Describe the ROW location, ownership, and width. Would existing ROW be used or would new ROW be required?

ROW is also addressed in Land Use Section 4.10.2.1, Regulatory Setting: Federal Section. The text states that federal authorizations including a ROW grant from the BLM and a Special Use Permit from the NPS would be required.

B. Additional information is needed regarding the ROW grant and Special Use Permit. Specifically, what is the current width of the ROW, where would it need to be expanded on public (as well as private) land and who would issue the ROW (BLM and/or NPS). What land designations underlie where the ROW expansion is needed. Is the existing ROW within a utility corridor along any of the lines? Similarly, provide additional information regarding the conditions of the Special Use Permit.

Response to Question 16B (B-9):

The current ROW for the 500kV transmission line is within an existing utility corridor.

The existing ROW widths varies considerably on the transmission line route. A map showing the ROW required for the project is included in the PEA, Volume 5, Appendix E, Beginning on Page 125.

For the BLM, the SF299 filed in 2016 included the Proposed Project for an amendment and renewal of ROW grant including the Series Capacitors, 500kV transmission line, distribution, telecommunications, and access roads. The current BLM ROW varies in widths from 160ft up to 330ft (approximately 35% is 330 feet wide, 25% is 250 feet wide 20% 180 feet wide, and 20% is 160 ft., wide).

For the NPS, SCE is in the process of submitting SF299 application with the updated Project Description to obtain a new Special Use Permit in the Preserve for the 500kV transmission line repeater sites, distribution, telecommunications, and access roads. SCE has surveyed the transmission line and is currently defining the widths needed including the access roads. The newly granted Special Use Permit will include OPGW, Repeater Sites, Transmission Line, and access roads along with operations and maintenance activities. A separate Special Use Permit will be needed for construction in the Mojave National Preserve. Additionally, on MNP the ROW width on the northern transmission line is 180 feet while the ROW width on the southern

transmission line is 160 feet.

The land designation is Vacant Land – Residential.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Rey Gonzales
Title: Environmental Project Manager
Dated: 07/17/2018

Question 16C (B-9):

Describe the ROW location, ownership, and width. Would existing ROW be used or would new ROW be required?

ROW is also addressed in Land Use Section 4.10.2.1, Regulatory Setting: Federal Section. The text states that federal authorizations including a ROW grant from the BLM and a Special Use Permit from the NPS would be required.

C. Section 4.10.1.1, Existing Land Uses (Area of Critical Environmental Concern pg. 4.10-3 and 4.10-4) states that the project cross a number of different ACECs. Under the DRECP, the ACECs have disturbance caps.

Response to Question 16C (B-9):

To clarify the last sentence found in Land Use Section 4.10.2.1, Regulatory Setting, the existing Bureau of Land Management (BLM) ROW grant has expired and is in the process of being renewed. SCE will need ROW Grants from both the BLM and the National Park Service (NPS) in order to start construction. The BLM ROW application was submitted last year and includes amended language specifically for the ELM series capacitor and the optical ground wire facilities. SCE continues to pay the annual rent until the ROW Grant is renewed. The NPS ROW application will be submitted separately.

In regards to the Areas of Critical Environmental Concern (ACEC) information, SCE's response to question 16D addresses the potential to exceed any applicable disturbance caps established for the ACECs that are crossed by the Project.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Rey Gonzales
Title: Environmental Project Manager
Dated: 07/17/2018

Question 16D (B-9):

Describe the ROW location, ownership, and width. Would existing ROW be used or would new ROW be required?

ROW is also addressed in Land Use Section 4.10.2.1, Regulatory Setting: Federal Section. The text states that federal authorizations including a ROW grant from the BLM and a Special Use Permit from the NPS would be required.

D. For ACECs and any other special-status areas crossed by the project, please identify what disturbance caps may apply and describe how the proposed project would not exceed any caps.

Response to Question 16D (B-9):

As shown in the attached file "ELM_Q#16D_3.6 ROW Req's_Attach A - ACEC Impact Summary_v3.docx", the Project will:

- Cross eight ACECs,
- Include ground disturbance within six ACECs, and
- Include ground disturbance within seven disturbance caps (the Piute-Eldorado Valley ACEC is not located within the Desert Renewable Energy Conservation Plan's Land Use Plan Amendment and therefore does not have a disturbance cap).

The attached file provides the following data regarding the ACECs and anticipated impacts:

- ACEC size,
- Disturbance cap,
- Approximate ground disturbance from the Project within the ACEC,
- Known ground disturbance from other planned projects, and
- The Proposed Project and known other planned project ground disturbance as a percent of the total ACEC size.

As shown in the attached file, the additional ground disturbance from the Project is not expected to exceed the disturbance cap of any of the ACECs. Should the Project exceed any of the allowable disturbance caps, SCE will perform mitigation as required for that ACEC.

ATTACHMENT A: ACEC IMPACT SUMMARY

ACEC	ACEC Size (Acres)	Disturbance Cap (percent)	Approximate Ground Disturbance from the Project (Acres)	Known Ground Disturbance from other Planned Projects (Acres)	Projected Project and Known Ground Disturbance as Percent of ACEC Size
Bristol Mountains	214,188	1	5.06	--	<0.01
Dead Mountains	27,210	1	0.00	--	--
Granite Mountain Wildlife Linkage	39,291	0.25	26.55	--	0.07
Juniper Flats Cultural Area	2,387	1	0.00	--	--
Pisgah Research Natural Area	46,497	1	40.49	86	0.27
Piute-Eldorado Valley	323,710	Not Applicable*	20.09	--	<0.01
Piute-Fenner	150,602	0.5	13.33	--	<0.01
	5,106	1	0.03	--	<0.01
Ord-Rodman	197,094	0.5	12.19	--	<0.01
	7,767	1	3.10	--	0.04

* The Piute-Eldorado Valley ACEC is located in Nevada and is not subject to the disturbance caps identified in the Desert Renewable Energy Conservation Plan's Land Use Plan Amendment

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Stephanie Tsai
Title: Land Services Agent
Dated: 07/17/2018

Question 17 (B-9):

If new ROW is required, describe how it would be acquired and approximately how much would be required (length and width).

A. The method for acquiring new ROW or property is not described. See above.

Response to Question 17 (B-9):

ELM Series Capacitor Project
Deficiency Question 17

A majority of the project will be constructed within SCE's existing ROW. For those areas that extend beyond SCE's existing ROW and onto private property, SCE will exercise its power of eminent domain to acquire the new ROW if an agreement with the landowner is not made. A list of the property acquisitions are provided below:

APN	Property Owner	Nearest SCE Tower #	Proposed SCE Facility	Type of Acquisition	Acres (Approximate)
0552-031-24	Private Party No.1	M69-T1	Ludlow Series Capacitor	Fee	80 Acres (1320 ft. x 2640 ft.)
0552-031-26	Private Party No.2	M69-T1	Distribution & Telecommunication Line	Distribution Easement	3 to 5 Acres
0552-031-27	Private Party No.3	M69-T1	Distribution & Telecommunication Line	Distribution Easement	0 to 2 Acres

In addition, there are several locations along the existing ROW where SCE has work areas, wire pulling sites, and landing zones that are outside of SCE's existing ROW. SCE will be acquiring Temporary Construction Easements and/or Temporary Entry Permits for these locations.

SCE is in the process of submitting SF299 application with the updated Project Description to obtain a new Special Use Permit in the Preserve for the 500 kV transmission line. SCE has surveyed the transmission line and is currently defining the widths needed including the access roads. The newly granted Special Use Permit will include the transmission line, OPGW, access roads and Repeater sites along with operations and maintenance activities. If needed, a map showing the proposed draft ROW on National Park Service lands will be provided.

The entire length of transmission line within NPS (OPGW) in acreage for southern line, access roads, (approximately). Average of what is included in survey. Centerline of Easement is determined from the existing centerline of towers. Right of way is 160 ft. in width, 80 ft. on either side of the centerline. Square feet and acreage is determined by subtracting the private land holding square footage from total right of way easement.

Total Length of centerline = 253,224.56 Ft. (Ground from end to end)

Total Area = 40,524,530.07 sq ft (Ground)

Total Acres = 930.315 acres (Ground)

Attachment: "ELM Q#17&18_PrivateProperty_20180618"

PROPERTY #3
0552-031-27

PROPERTY #2
0552-031-26

PROPERTY #1
0552-031-24

M69-T1

Ludlow Cap

Ludlow Cap Laydown

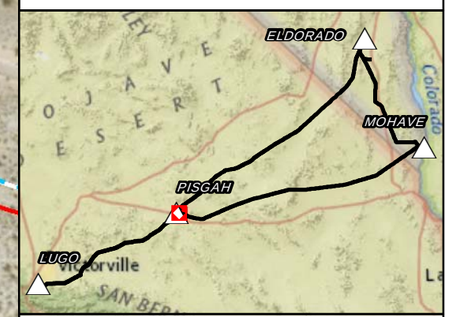
Lugo - Mohave

ELDORADO LUGO MOHAVE SERIES CAPACITOR PROJECT

LUDLOW CAPACITOR: PRIVATE PROPERTIES

Legend

- OPGW Splicing Locations Towers
- New, OPGW
- New, OH Distribution
- New, UG Distribution
- New, OH Telecommunication
- New, UG Telecommunication
- New Capacitor Fence Line
- Permanent, Grading Limit
- Permanent, Series Cap - Asphalt
- Temporary, Ground Disturbance Area
- Permanent, Access Road
- Material/Laydown Yard
- OPGW Pull Site
- Helicopter Landing Zone
- Structure Work Area
- Potential Work Areas
- Existing Right of Way
- Property Boundary



0 75 150 300 Feet

1 in = 200 feet

Date: 7/11/2018
File Name: ELMSC_PrivateProperty_20180711.mxd
Version #: 1
Created By: J. Le
Real Properties Geospatial Analysis

Features depicted herein are planning level accuracy, and intended for informational purposes only. Distances and locations may be distorted at this scale. Always consult with the proper legal documents
or agencies regarding such features. Real Properties Department

Service Layer Credits: Content may not reflect National Geographic's current map policy. Sources: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.

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Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Stephanie Tsai
Title: Land Services Agent
Dated: 07/17/2018

Question 18 (B-9):

List properties likely to require acquisition.

A. Specific properties are not identified. See above.

Response to Question 18 (B-9):

Please refer to table shown in response to Deficiency Question 17.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 19 (B-10):

Describe how the staging area would be secured, would a fence be installed? If so, describe the type and extent of the fencing.

Use of perimeter fencing identified in Section 3.7.1.1 (Staging Areas). However, the type and extent of fencing is not fully described.

A. Please describe the type of fencing that would be used, the extent of the fencing, how it would be secured so as to not fail, and whether any special treatments would be used (e.g., visual screening).

Response to Question 19 (B-10):

Temporary security fencing shall be installed at each of the staging areas across the project used for construction. The security fencing shall be completed using minimum 6-foot tall chain link fabric with 1-foot diameter barbed wire atop the chain link fabric. The fence will be supported by 10-12 foot long galvanized posts placed every 7-10 feet. The posts will be hand driven or using a pneumatic post driver a minimum of 2 feet. Critical fence posts (corner posts or gate posts) will be embedded with slurry concrete footings. Fencing installed beneath or adjacent to energized overhead lines will be grounded every 25 feet (maximum).

Staging areas located in remote or industrial locations will not include visual screening. Staging areas located near public visibility (within 0.5 miles) will be screened to shield construction activities.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Rey Gonzales
Title: Environmental Project Manager
Dated: 07/17/2018

Question 20 (B-11):

For each known work area, provide the area required (include length and width) and describe the types of activities that would be performed.

PEA Section 3.7.1.2 Work Areas describes work areas in general, and includes Table 3-8 that lists laydown/work area features and the preferred size. The terminology in Table 3-8 does not correspond with that used in the legends on maps in Appendix E. Detailed Route Maps

A. Please provide a revised table that is consistent with the legend on the maps. E.g., "Tower Work" and "Wire Setup" are used in legends but are not in the table provided. Helicopter Landing Zones are identified on the maps, but are not listed in the table.

Response to Question 20 (B-11):

The dimensions provided in Table 3-8: Typical Laydown/Work Area Dimensions are typical workspace sizes used to install standard overhead and underground transmission, subtransmission, and distribution facilities. As the engineering phase of the Project has progressed, the planned workspaces in many instances have developed into site-specific designs intended to reduce the Project's footprint and/or avoid impacts to environmental resources in the vicinity of construction activities. In some locations, multiple facilities or construction activities will take place within a single workspace. Because the workspace naming convention used in Appendix E: Detailed Route Maps is Project-specific, a revised version of the table has been included as Attachment B: Typical Laydown/Work Area Dimensions. This version includes a crosswalk (see Attachment B – Appendix E Crosswalk) between the typical laydown/work area names from Table 3-8 and the legend items included in Appendix E.

ATTACHMENT B: TYPICAL LAYDOWN/WORK AREA DIMENSIONS

Laydown/Work Area Feature	Appendix E Legend Item/Location	Preferred Size (L x W) (Feet)
Guard Structures	Guard Structure Area	50 x 150
LSTs (New)	Tower Work	220 x 220
LSTs (Modify)	Tower Work	150 x 150
Wood Poles (Subtransmission)	Located within Discrepancy Work Area	150 x 75
Wood Poles (Distribution)	Distribution Work Area	40 x 60
OPGW Pulling, Tensioning, and Splicing Areas	Wire Setup	100 x 150
Underground Duct Banks	Telecommunication Work Area	Proposed Length x 30
Underground Vaults	Located within Distribution/Telecommunication Work Area	35 x 35
Mid-Line Series Capacitor Sites	Capacitor	400 x 450
Fiber Optic Repeater Sites	Telecommunication Repeater Site	100 x 60
Helicopter Landing Zone	Helicopter Landing Zone	Site specific (between approximately 50 x 50 and 1,300 x 900)
Construction Material Yard	Construction Material Yard	Site specific (between approximately 235 x 190 and 1,000 by 975)

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 21 (B-11):

How would the work areas likely be accessed (e.g., construction vehicles, walk in, helicopter, etc.)?

Specific details are not provided in the PEA regarding how individual work areas would be accessed. Methods of access in general are discussed, but not for individual sites.

A. Please confirm that where road access is available, vehicle access will be used. If not, please describe. Also, given distances, if helicopter transport of crews is envisioned, please confirm that they will use only approved Helicopter Landing Zones.

Response to Question 21 (B-11):

Ground access is available at all sites and ground vehicles will be used when road access is available and not limited. However, there are areas where access to the sites is available, but limited, and the crews may be transported from the helicopter staging areas or other landing zones to landing zones near the limited access sites using helicopters and then use ground transport to access the sites. Helicopter staging areas and landing zone have been identified throughout the project area and shall be the only ground areas to be used for helicopter construction activities.

Facilities in proximity to existing roads (such as distribution and telecom facilities) would be accessed on foot. In some cases vehicles may be used to travel off-road, over land for very short distances to access facilities in proximity to existing roads.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Ruben Mazzei
Title: Civil Engineer
Dated: 07/17/2018

Question 22 (B-11):

Describe any grading activities and/or slope stabilization issues.

Grading and slope stabilization are included in the description of the proposed project in a general way, based on the need for level surfaces. No specific locations are identified for specific surface treatments.

A. Unless information is available for grading, slope stabilization, and benching at specific locations, the environmental analysis will need to assume that all work areas will be 100% disturbed by grading or other earthwork.

Response to Question 22 (B-11):

Construction work areas will be temporary and involve drive and crush, vegetation clearing, blade-grading, grubbing, mowing, and re-compacting surfaces to remove potholes, ruts, and other surface irregularities in order to provide leveled working areas. These temporary work areas will be used to complete construction of the various Project components.

Temporary ground disturbance in the work areas will be greatly minimized to reduce final slope stabilization and benching requirements. It is likely that all work areas would not be totally disturbed, but under the worse-case scenario, it may be prudent to consider these temporary work areas as 100% disturbed. See reviewed GIS maps that will be provided on July 31, 2018 for specific temporary work area locations.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Rey Gonzales
Title: Environmental Project Manager
Dated: 07/17/2018

Question 23 (B-11):

Based on the information provided, describe how the site would be restored.

Specific details on vegetation restoration are not provided in the PEA. SCE states a Revegetation Plan would be written, but does not provide details on restoration methods beyond sites being restored to pre-disturbance conditions or left with rock ground cover if that is what the owner wants. APM-BIO-01

A. Please provide any available additional information on restoration and revegetation methods that SCE anticipates including in its Revegetation Plan.

Response to Question 23 (B-11):

The Project will include a detailed reclamation/revegetation plan that establishes the process by which Project-related landscape disturbances will be reclaimed. The purpose of the plan will be to (1) describe and recommend reclamation treatments that ultimately meet required federal, state, and local regulatory requirements; and (2) establish protocols and/or requirements for implementing and monitoring required reclamation efforts. Based on the existing conditions and the details of the proposed Project activities, the plan will address reclamation effort prioritization, and reclamation levels that account for differing types of construction activities and disturbance durations (i.e. permanent vs. temporary).

Depending on site-specific needs, the plan will provide methods for the following activities as appropriate:

- baseline condition documentation within the Project's temporary construction areas;
- construction debris removal and disposal;
- non-native plant removal;
- topsoil salvage, storage, and placement;
- recontouring;
- soil decompaction;
- erosion control BMP installation and maintenance;
- seed selection and application;
- container plant selection and planting;
- irrigation; and
- weed control.

The plan will also outline a monitoring program designed to ensure successful revegetation of areas disturbed by the Project.

The following descriptions outline the typical restoration activities:

- Prior to ground-disturbing activities, photographic documentation of temporary work areas are compiled and relative cover of each vegetation community, topsoil depth, and other pertinent information are recorded.
- Construction material and equipment are removed from the site and disposed of or recycled at a licensed facility.
- Temporary areas disturbed during construction are recontoured to near pre-construction conditions. If appropriate, topsoil that was stockpiled is returned to the associated restored areas.
- If required, the soil is decompacted or scarified.
- Erosion control BMPs are installed/maintained in compliance with SWPPP requirements
- Seeds are obtained from on-site sources or from commercial vendors. If required, appropriate container plants are also acquired.
- Seeds and contain plants are applied/planted
- Irrigation, if required, is established and implemented

The effectiveness of the reclamation treatments will be monitored to track the success of the reclamation efforts, and adaptive management techniques may be employed to assure the Project meets established success standards.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: John Le
Title: Technical Specialist
Dated: 07/17/2018

Question 24 (B-12):

Describe the types of roads that would be used and or would need to be created to implement the Proposed Project. See table below as an example of information required. Road types may include, but are not limited to: new permanent road; new temporary road; existing road that would have permanent improvements; existing road that would have temporary improvements, existing paved road; existing dirt/gravel road, and overland access.

PEA Section 3.7.1.3 describes access and spur roads in general and treatments that would occur depending on the slope of the land surface.

A. Please describe the types of access/spur roads to be used (e.g., existing dirt, new permanent, new temporary, etc.) and the estimated acreage of each type. Provide preliminary engineering sufficient to indicate where ground disturbance is expected to be required for access/spur road development or enhancement.

Response to Question 24 (B-12):

The types of access/spur roads used on this project include existing dirt, existing paved, and new permanent access roads.

The existing dirt and paved access roads to be used across the project have been identified in the GIS data. The access roads do not include impact areas as they are not intended to be improved or maintained during construction. However, if an environmental event occurs (landslide, erosion), the existing roads will be maintained. These events shall be communicated as they occur.

The new permanent access roads designed for this project are for access to the mid-line series capacitor sites, Lugo Series Capacitors at Mohave Substation and the three fiber optic repeater sites. The new access roads are identified in the GIS data and the acreages are included in the GIS impact analysis (latest GIS data to be submitted on 7/31/18). The new access roads will be short roads with dirt surfaces routed around the proposed sites and tie into adjacent existing dirt roads. These new access roads are on flat terrain and will require no additional area for grading beyond the road edge.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Ruben Mazzei
Title: Civil Engineer
Dated: 07/17/2018

Question 25 (B-12):

Describe any grading activities and/or slope stabilization issues.

Grading and slope stabilization are included in the description of the proposed project in a general way. No specific locations are identified for specific surface treatments.

A. Unless information is available for grading, slope stabilization, and benching at specific locations, the environmental analysis will need to assume that all access/spur roads will be disturbed by grading or other earthwork.

Response to Question 25 (B-12):

SCE plans to connect existing access roads to the Series Capacitors facilities (Newberry Springs, Ludlow and Mohave Substation) and at the three Fiber Optic Repeater sites (Lanfair, Barstow and Kelbaker) on the Lugo-Mohave Transmission Line. These new permanent access roads are designed on flat terrain and will require minimal grading.

The areas outside the road edge used to complete the access roads are the construction work areas. The construction work areas are identified as temporary impacts. These temporary work areas will have little to no ground disturbance beyond drive and crush to minimize ground impacts and soil stabilization requirements.

See reviewed GIS maps that will be provided on July 31, 2018

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 26 (B-13):

Identify which proposed poles/towers would be removed and/or installed using a helicopter.

This information is not provided in the PEA. Helicopter use is planned, but how and where helicopters will be used is not specified. APM-NOI-01 and APM-NOI- 02 address some distance/elevation requirement related to noise impacts.

A. Please provide a preliminary Helicopter Plan that identifies probably flight paths, any know restrictions that apply to the project area, how loads will be managed to ensue save rigging, transport, and delivery, data capture for tracking flight history, etc.

Response to Question 26 (B-13):

No poles/towers are to be erected using helicopters for this project. Helicopter use will be limited to transmission construction for OPGW installation on the existing 500kV transmission lines. The new OPGW will be strung approximately 232 miles through approximately 855 existing lattice towers. Helicopters will be used primarily for setting wire travelers at the existing towers for stringing operations across the 500kV transmission lines.

During construction, the flight paths will be parallel, within close proximity of the existing transmission line alignments. The complete list of helicopter activities to support the OPGW installation includes tooling (travelers) delivery, tooling installation (skid work), and personnel transport. The helicopters will utilize the nearby landing zones, which have been identified across the transmission lines, for tooling/personnel loading/unloading and refueling/maintenance, as required.

When the helicopter is transporting a load, they will not be allowed to fly over any dwellings or major travel ways without traffic control. Restricted air spaces near the project include Twentynine Palms Marine Corps Base. The need for a Congested Area Flight Plans will be evaluated and produced, as necessary.

At this time, a helicopter subcontractor has not yet been selected and a complete Helicopter Plan has not yet been developed. However, a preliminary Helicopter Plan has been provided for reference. The final Helicopter Plan shall be completed and issued for construction after the helicopter subcontractor has been selected and 60 days prior to construction.

Attachment: ELM_Q#26 and 29_3.7.1.4 Helicopter Access_Preliminary Helicopter Work Plan

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ELM SERIES CAPACITORS PROJECT
SOUTHERN CALIFORNIA EDISON

BETA PROJECT NO. B611

HELICOPTER WORK PLAN
ELDORADO-MOHAVE & LUGO-MOHAVE
500kV TRANSMISSION LINES

BETA DOCUMENT NO. B611-HWP
REVISION 0
JULY 13, 2018

PRELIMINARY
(subject to review, alteration, and acceptance from the selected Helicopter Subcontractor)

Designed by:	Checked by:	Approved by:

Table of Contents

1. Objective

Helicopter Operations are to be used to complete the OPGW re-conductoring activities on the Eldorado-Mohave and the Lugo-Mohave 500kV Transmission Lines. The new OPGW will be strung approximately 232 miles through approximately 855 existing lattice towers. Helicopters will be used primarily for setting wire travelers at the existing towers for stringing operations across the 500kV transmission lines.

Helicopter support activities planned for this work includes tooling & material delivery, tooling & material installation, and personnel transport. The goal is to complete this work safely and effectively. This Helicopter Work Plan has been developed to meet that goal.

1.1. Schedule

OPGW re-conductoring work is scheduled to be complete in two (2) helicopter operations, one (1) for each 500kV transmission lines:

Eldorado-Mohave Transmission Line	April 1, 2019 – May 20, 2019
Lugo-Mohave Transmission Line	October 9, 2019 – January 8, 2020

The final Helicopter Operations schedule will be dependent on weather conditions. Actual air operation is staggered as required by phases of operation and should be completed within two days of flying during the four-day period.

2. Roles and Responsibilities

2.1. Terms

2.1.1. Owner-	Southern California Edison (SCE)
2.1.2. Contractor-	Siemens/Beta
2.1.3. Overhead Subcontractor-	American Power
2.1.4. Helicopter Subcontractor- (to OH Subcontractor)	TBD

2.2. Helicopter Subcontractor

The Helicopter Subcontractor has not yet been selected.

Subcontractor Contacts:

Name	Title	Phone
TBD	Project Manager	TBD
TBD	Superintendent	TBD
TBD	Safety Manager	TBD

The Helicopter Subcontractor shall be responsible for:

- Assembling the correct compliment of personnel, aircraft and other required resources.
- The point of contact and coordinate resource requests from the Owner & Contractor between the Overhead Subcontractor and Helicopter Subcontractor.
- Helicopter Subcontractor Safety Manager is responsible for Health and Safety Compliance and Accident Investigation.
- Helicopter Subcontractor Pilot will be responsible for the safety of flight and all final decisions on any and all flight plans.

2.3. Flight Crew

Under FAA regulations as directed in FAR 133, Helicopter Subcontractor and their respective pilots shall be FAA approved operators and charged with responsibility for FAA compliant operation. The pilot performs training and approval of the flight and ground crews in keeping with the FAR 133 approved safety plan. The pilot will conduct training on the first day of operation as per the Helicopter Subcontractor Flight Manuals.

3. Equipment Specifications

3.1. Helicopter

The helicopter type that will be used using medium-size model helicopters, either a MD 530F (largest) or a MD 500E (smallest). There will be only one (1) MD 530F used per day at an estimated 12hrs per day. The MD 530F helicopter performs and operates effectively in hot, high altitude environments.

3.2. Support Equipment

The helicopter work will be supported by ground equipment including:

- Maintenance truck
- Fuel Truck (600-gallon)

A complete list of Equipment Specifications is included in Appendix A, including features and benefits, standard equipment, dimensions, performance specifications.

4. Communication Plan

The communication plan for helicopter operations on the ELM Project shall follow the guidelines listed in the Helicopter Subcontractor Communications Program document. Please see Appendix B for the Helicopter Subcontractor Communications Program document.

4.1. Project administration

The Helicopter Subcontractor shall provide a safety program, Activity Hazard Analysis (AHA), including safe helicopter use practices and programs prior to construction. The final project-specific Helicopter Work Plan (herein) shall be provided 60 days prior to helicopter activities and a helicopter activity specific safety analysis, Job Hazard Analysis (JHA), shall be provided the day of the activity prior to work.

The project Safety Manager shall meet with local EMS prior to project startup and establish communication methods and procedures. An Emergency Response Plan shall be developed as an overview for the project.
The Superintendent shall devise specific plans for each structure or work location prior to work commencing at that location. The Superintendent shall conduct a "dry run" of the Emergency Response Plan and route to ensure plan is as efficient as possible.
Communications shall be tested at each work location prior to startup. If cell phone coverage is not available in that area, satellite phones (or other alternative methods) shall be implemented prior to starting any task or project.

4.2. Notifications

The Overhead Subcontractor shall appoint a safety representative to notify all stakeholders at least the day before any scheduled helicopter operations and will include notifications to any 3rd parties that may be affected by the flight operations. This notification communication will establish mitigation of risks by delineating safe work zones and establishment of a safety corridor around the operating rotorcraft. Non-ground crew personnel, who are necessarily near the fly operation, are required to maintain a minimum of 100 feet from the heading or hovering area of the rotorcraft. Ground crew will be stationed in areas likely to be occupied and will maintain the area clear of unauthorized personnel. The pilot and ground crew will ensure the rotorcraft does not fly into an area occupied by unapproved persons.

4.3. Preflight Communication

Under FAA rules and in compliance with the FAA approved FAR 133 External Load work and Safety Plan, the pilot will perform a fly-over of the work area prior to any work taking place. The purpose of the pre-flyover is to verify the work route, existing conditions (including wildlife concerns), hazards or obstructions in order to establish and execute a hazard remediation plan. The pilot will then communicate the Job Hazard Analysis (JHA), and the plan of operation for the day to the flight and ground crew at the Daily Tailboard. The pilot will also complete a Jobsite Safety Inspection Checklist. The pilot will then perform a pre-flight inspection of all of the equipment that will be used in the flight operation.

4.4. Methods of Communication during Helicopter Operations

The following lists the communications methods that are approved for use for the various purposes shown.

4.4.1. Cellular Phones

Cellular phones may be used for the following purposes:

- Contacting Emergency Services
- Communicating with line switching center
- Notifying headquarters of an accident

Note: It is illegal to use a cellular phone from a helicopter while in flight.

4.4.2. 2-Way Radios

2-way radios can be used for the following purposes:

- Contacting airport control dispatcher
- communicating with line switching center
- communicating with headquarters
- Communications between all personnel involved in the helicopter operation, including:
  - Pilot
  - Landing zone
  - Line workers
  - Supervisor
  - FAA air traffic control centers

4.5. Personnel Communication

Good communications must be maintained at all times between the helicopter pilot, landing zone coordinator, supervisor, line switching dispatcher, and the helicopter line worker. The helicopter must be equipped with a 2-way radio that is capable of operating on a radio frequency used by the line crews, landing zone coordinator, supervisor, and air traffic controller.

Crew will review this document and all crewmembers will sign off that they have reviewed and will comply with the contents therein. A meeting will be held prior to any work activity where all project personnel will review this Safe Work plan. This will allow all crewmembers to ask any questions and assure the Project Leadership that all personnel understand the breadth and scope of the plan. A sign-off form is included at the end of this document and will be utilized to document the event.

- Crew will conduct a Daily Tailboard at the Jobsite.
- Crew Superintendent will conduct the job briefing and will document the briefing on the JHA. All employees will sign off on the JHA indicating that they understand all of the information contained on the sheet.
- Safety of flight determined by Pilot in command
- Safety of work determined by Superintendent and/or Safety Manager

4.6. Operations Communication

4.6.1. Site Preparations

- Crew, Materials, Tools & Equipment transported to LZ by crew members
- Helicopters arrive after LZ is set up and secured
- Crew will confirm clearance with Overhead Subcontractor. Do not proceed with any work activity without clearance authorization. All crewmembers will be informed as to the status of the line and no work will be performed until the line status information is clearly disseminated to the crew.

- Crew will confirm that they have all required tools, equipment, PPE, Safety devices, before starting any evolution. Crew will perform a thorough inspection of all tools and equipment. Helicopter will be inspected by the Pilot in Command.
- Prepare and inspect all materials. Workers will utilize gloves to protect their hands.
- All Aerial Lineman and Pilot in Command that will be involved in the evolution will don the proper Personal Protective Equipment that was reviewed and listed in the Daily Job Plan discussion.
- Aerial Lineman will prepare to be transported to the structure utilizing the short haul method as outlined in the Daily Job Plan.
- Aerial Lineman will inspect all hardware and structure integrity to make certain that acceptable standards are met. Any deviation from these acceptable standards will mandate a Work Stoppage immediately a representative will be contacted.
- Aerial Linemen will transfer to the structure according to the Helicopter Subcontractor-Transfer Procedures until all necessary personnel are in place.

4.6.2. Tooling and Material Transport

Whenever transferring tooling or material using the helicopter load line, it is important to have good communications between the pilot and line worker spotting the load. This communication can be in the form of; radio communications, hand signals or head signals. It must be agreed to before starting the transfer which form of communications will be used and that both the pilot and the line worker understand the signals that will be used.

The following communication points and information between the pilot and line worker are important to ensure that the operation is performed safely when making these transfers:

When lifting the load from the ground, the pilot must know:

- The location where the load will be taken.
- The load line is OK and the rigging is safe to make the lift.
- When the load line is positioned correctly for the line worker to connect it.
- When the load is attached to the load line and ready to be lifted.
- When the load is clear of the ground.
- When the load is clear of any surrounding obstacles and it is safe for the pilot to proceed to the work location.

When placing the load on the ground, the pilot must know:

- The location where the load will be placed.
- The distances the load is above the ground, starting at 50-feet and at 10-foot increments until the worker contacts the ground.

- When the load is safely on the ground and free of the load line.
- When the load is in the clear and it is OK for the helicopter to land or proceed to the next location.

4.7. Aircraft Communication with FAA Air Traffic Controllers

The pilot will make daily contact with the appropriate Air Traffic Control Centers.

An established transponder code will be assigned during operations during flight operations.

4.7.1. Restricted air spaces

Restricted air spaces near the project include Twenty-nine Palms Marine Corps Base. This restricted air space will be avoided for all helicopter operations as required. Ground crews will be used in project work areas in proximity to these air spaces.

4.7.2. Congested Area Flight Plan

There will not be a need for a congested area plan on the ELM Project. All pulling operations that involve nearby building, homes, freeways, or major roads will be pulled without the use of a helicopter. Local law enforcement and the FAA will be notified of the intended use of the helicopter in the area.

4.8. Emergency Response Plan

The Emergency Response Plan is an overview of project specific locations and facilities. An Emergency Response Plan is required for each project and is to be communicated and available to each employee. The Superintendent is tasked with reviewing this process upon arrival at the work location and making any alterations needed to ensure all measures are in place to provide the most complete emergency services available.

This process, and any modifications, is to be communicated to all employees prior to start of work. All employees are to be made aware of the location of this document, the nearest medical facility, emergency contacts and roles/responsibilities to be performed in the event of an emergency. Site supervision shall review this with all employees and obtain a sign-off indicating understanding by all employees at the location.

Should an injured employee require being transported by air from the scene to the hospital, air support will be contacted by EMS. Construction personnel should follow the instructions of the Emergency Response Plan and standard guidelines to make the situation as adaptable as possible.

A complete project-specific Emergency Response Plan is included in Appendix C.

5. Helicopter Operations

The Pilot and line workers involved with any Helicopter Operations will maintain constant communication as specified in Section 4.6 Operations Communication.

5.1. **Tooling and Material Transport**

When the helicopter is transporting a load, they will not be allowed to fly over any dwellings or major travel ways without traffic control.

Ground crew will be stationed in areas likely to be occupied, Landing Zone and/or designated pull sites, and will maintain the area clear of unauthorized personnel. The pilot and ground crew will ensure the rotorcraft does not fly into an area occupied by unapproved persons.

5.2. Tooling and Material Installation

5.2.1. Traveler Installation

Wire travelers are to be installed at every structure of each OPGW wire pull section. The travelers shall be installed by both ground and air crew. The helicopter crew will install travelers from the skid.

5.2.2. Marker Ball Installations

Marker balls shall be installed by helicopter crews. Marker balls will installed from the skid.

5.3. Wire Stringing

To most efficiently remove the OHGW and install the new OPGW, the OHGW will be used as the hard-line to pull the OPGW into position. However, stringing operations may require helicopter support to complete stringing operations. Helicopters may be used on the ELM Project to perform the stringing activities listed below:

- Sock lines used to pull OPGW
- OPGW may be pulled by helicopter.
- Pulls from tension end to pulling end may be pulled by helicopter.
- All hardware, such as insulators for all dead ends, tangents, dead end platform boards, and ladders may be flown in by helicopter.
- Manpower (if needed) will be flown in by helicopter for skid transfers.

5.4. General

5.4.1. Flight Path

The flight path for each helicopter operation will be selected and verified prior to construction. The pilot will then communicate the Job Hazard Analysis (JHA), and the plan of operation for the day to the flight and ground crew at the Daily Tailboard. The pilot will then perform a pre-flight inspection of all of the equipment that will be used in the flight operation.

In general, the flight paths will be parallel, within close proximity of the existing transmission line alignments. The routes will include the Landing Zones to be used for the stringing operation. The flight paths selected will minimal crossings over public travelways.

An emergency flight plan will also be communicated by the Pilot and by the Emergency Response Plan.

5.4.2. Flight Tracking/GPS Operations

All flights shall be tracked as required. The GPS equipment and flight tracking instruments used will be identified by the Helicopter Subcontractor.

5.4.3. Rigging

Contractor may use a rated grapple hook or rated swivel hook with safety latch for the transportation of materials and tools on the ELM Project.

Additional rigging to be used for each Helicopter Operation will be specified by the Helicopter Subcontractor.

6. Helicopter Operational Safety Plans & Controls

The following section outlines the plans and controls to be executed during Helicopter Operations. The systems shall be supplemental to those provided in the safety program, Activity Hazard Analysis (AHA), provided by the Helicopter Subcontractor. The descriptions in these sections shall not replace the instructions included in the AHA, but shall be supplemental.

6.1. Traffic Control Plan

For the safety and welfare of the general public, Helicopter Subcontractor will avoid (whenever possible) ferrying materials and equipment over roads and other crossings. Private and fire access roads will only be crossed when absent of any traffic.

Traffic control measures for this project will be employed for locations where the work areas encroach upon a publicly traveled right-of-way. As safety of the traveling public is paramount, maintenance of adequate levels of traffic control shall be minded for all work, for all circumstances. This may require utilization of specialty subcontractors with thorough working knowledge of all the applicable laws, standards, means and methods to provide the safest environment for the traveling public.

The measures to be employed to maintain this objective during helicopter operations will vary by work and circumstance, but will include the following at a minimum:

- Controlling the flow of traffic near a work zone through the use of flaggers, signs, cones, and/or other positive directional devices to keep the public safe and to reduce speed of vehicles in the area
- Routing pedestrians along a safe, usable, same-side path of travel that is: (a) adjacent to the worksite along widened and unblocked sidewalk surfaces, or (b) along adjacent landscaping within the right-of-way, or (c) along closed bike lanes, or (d) along parallel parking areas
- Routing pedestrians across the street to a sidewalk, around and away from the area of work

- Ferrying materials and equipment over roads and other major crossings will be avoided, as possible
- Access roads will only be crossed when absent of any traffic

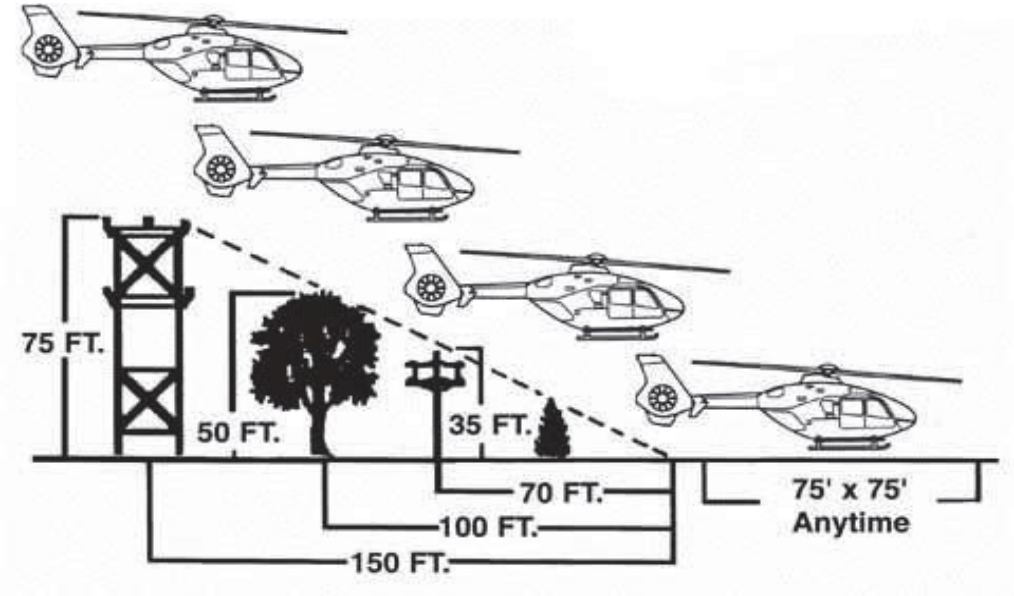
6.2. Landing Zones (LZ's)

Helicopters shall utilize any of the landing zones, which have been identified across the transmission lines, for tooling/personnel loading/unloading and refueling, as required.

Only the pilot, fuel truck operator, and ground crew (designated Project personnel) are allowed in the Landing Zone area when a helicopter is in use. Ground crew will be stationed in areas likely to be occupied and will maintain the area clear of unauthorized personnel. Non-ground crew personnel, who are necessarily near the fly operation, are required to maintain a minimum of 100 feet from the heading or hovering area of the rotorcraft. The pilot and ground crew will ensure the rotorcraft does not fly into an area occupied by unapproved persons.

6.2.1. Landing Zone Selection

- Approximately 75'x 75'
- Approach/departure path (into the wind) should be clear of wires, towers, structures, and trees.
- All obstacles must be clearly identified and acknowledged by the pilot.
- Be somewhat level and free of debris that could become a hazard to the helicopter or ground personnel.



6.2.2. Landing Zone Preparation

To control dusts, the Landing Zone will be sprayed with water, if needed, prior to the helicopter landing and as necessary throughout each day of helicopter operation.

Remove or Secure loose items near the landing zone that could be blown by the helicopter. Loose items blown by the helicopter are a hazard to air and ground crews.

The helicopter is very loud and generates wind in excess of 70 mph Protect your eyes and body from blowing dirt, your ears from the loud noise. Do not wear a cap, hat, loose scarf or other item that can be blown by the helicopter.

6.2.3. Helicopter Staging Areas/Fly Yards

Helicopter staging areas will be used for grounding helicopters for storage or maintenance. Helicopter staging areas will be defined within the larger material laydown yards that have been identified for the project. Staging areas will be demarcated in fluorescent pink striping paint.

The approach sides of the landing zones have two large rubber tires with signs that state "DANGER Authorized Personnel Beyond This Point", and "NOTICE- Helicopter Landing Zone" with the contact information for the Overhead Subcontractor and Helicopter Subcontractor.

6.2.4. General Guidelines

- the LZ will be fully maned prior to landing to ensure no one has entered the LZ
- Always approach the aircraft from the front. If you cannot see the pilot, the pilot cannot see you. The tail rotor is hard to see and very dangerous. It spins very fast and is close to the ground.
- Pay attention and maintain eye contact with the flight crew at all times. Do not walk under the helicopter blades until they have come to a complete stop, or the flight crew instructs you to do so. If you cannot see the blades stay at least 30 feet from the helicopter.
- Assist the flight crew. The crew may signal you to approach. If they don't, remain outside the blade area. Make sure the all material is secure and no loose items that can get blown off.
- Follow the flight crew's direction. Approach from the front. Helicopter parts may be hot or easily damaged. The flight crew will ALWAYS open and close the doors.
- Assisting the flight crew with loading. Keep all equipment below shoulder height when approaching the helicopter. Typically, you do not need to crouch down to avoid the blades.
- If something is dropped or blows away from you, do not chase it.
- Depart towards the front of the helicopter.

6.3. Equipment Maintenance

6.3.1. Helicopter Refueling

Rapid (Hot) refueling of the helicopter will be conducted at the Landing Zone and as per the instructions identified in Refueling Operations of Helicopter Subcontractor Helicopter Use/Lift Plan.

The fuel truck will be at the Landing Zone. The fuel truck operator, will remain with the fuel truck while it is on the job site. Non-ground crew personnel, who are necessarily near the fly operation, are required to maintain a minimum of 100 feet from the heading or hovering area of the rotorcraft.

The fuel truck has a 600-gallon capacity of Jet A Fuel. The 600-gallon capacity tank on the fuel truck is a DOT-approved fuel tank. Secondary containment will be set up under the fuel truck. A hose from the stationary fuel truck will be used to fuel the rotorcraft. The rotorcraft will be grounded to the fuel truck during fueling operations. There will be a truck to rotorcraft ground. There will be no grounding stake inserted into the ground.

6.4. General

6.4.1. Aerial Obstacles or Obstructions

The two (2) 500kV Transmission Lines to be re-conductored will be de-energized during OPGW stringing operations, but will remain as aerial obstacles to be carefully considered for all Helicopter Operations. Additionally, there are overhead transmission, sub-transmission, and distribution lines adjacent to the transmission lines under construction.

The adjacent lines will not be de-energized. Isolation & Insulation measures may be employed to protect the air crew during Helicopter Operations. The type and quantity of insulate and isolate components will be determined prior to work. Whenever possible, Helicopter Operations shall be performed when items are de-energized or a portion is de-energized and grounded.

Flight paths and overhead structures to be worked will be selected to minimize approach distances to these aerial obstacles.

6.4.2. Restricted Air Space

Restricted air spaces will be avoided for all helicopter operations as required. Ground crews will be used in project work areas in proximity to these air spaces.

7. Helicopter Environmental Mitigation and Monitoring

The following section outlines the plans and controls to be executed during Helicopter Operations. The systems shall be supplemental to those provided in the Project environmental documents. The descriptions in these sections shall not replace the instructions included in the environmental documents, but shall be supplemental.

7.1. Noise

7.1.1. Local Ordinances

- To comply with local noise ordinance as they are applied to the Project areas

7.1.2. Mitigation Measures

- APM-NOI-01: Duration of Helicopter Use.

- APM-NOI-02: Helicopter Use in Residential Areas

7.2. Hazardous Materials

7.2.1. Storage

- Store fuel tanks in areas to contain all spills.
- Store gas cans outside trailers or tool rooms in designated areas.

7.2.2. Spill Response

- Spill Response shall be reported immediately.
- Evacuate the area of unnecessary containment personnel.
- Use extreme care to prevent spills when fueling vehicles or equipment.
- Clean immediately with absorbent material any spills that do occur.
- Contain the spill to prevent spreading.

7.2.3. Mitigation Measures

7.3. Water Resources

7.3.1. Storm Water

- SWPPP requirements shall be communicated and maintained on or near jobsite.
- Erosion Control Devices (ECD) shall be installed at the staging areas as required

7.3.2. Mitigation Measures

7.4. General

- To comply with state, federal, and local environmental laws.
- To conduct business operations in a manner that demonstrates respect for the quality of the environment.
- To assist in finding solutions to environmental problems.
- To respond quickly and effectively to environmental incidents involving Helicopter Subcontractor facilities or equipment under our control.
- To assist clients with their environmental control procedures and directives when working on their property.
- To promote good environmental attitudes by training employees in sound environmental management.
- To maintain corporate environmental monitoring programs to ensure compliance with Helicopter Subcontractor and governmental requirements.

Appendix A

Equipment Specifications

(To be added.)

Appendix B

Helicopter Subcontractor Communications Program

(To be added.)

Appendix C

Emergency Response Plan

(To be added.)

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 27 (B-13):

If different types of helicopters are to be used, describe each type (e.g., light, heavy or sky crane) and what activities they will be used for.

The PEA provides "typical" use information for helicopters, states helicopters would be light and medium duty, and identifies a range of potential uses. The PEA is not clear as to extent, purpose, and location of helicopter use.

A. Please provide specific information on how helicopters will be employed during project construction.

Response to Question 27 (B-13):

Helicopter use will be limited to transmission construction for OPGW installation on the existing 500 kV transmission lines. The new OPGW will be strung approximately 232 miles through approximately 855 existing lattice towers. The complete list of helicopter activities to support the OPGW installation includes tooling (travelers) delivery, tooling installation (skid work), marker ball installation (if applicable), and personnel transport.

The helicopters will utilize the nearby landing zones, which have been identified across the transmission lines (except the ten landing zones listed in the table below, for which in a 5/25/18 email to the BLM, SCE agreed to remove from the project), for tooling/personnel loading/unloading and refueling/maintenance, as required. A complete Helicopter Plan will be provided prior to construction that specifies rigging, transport, and installation data, as well as flight tracking and flight restrictions, as applicable.

This work will be completed using medium-size model helicopters, either a Hughes 530F (largest) or a Hughes 500E (smallest). Up to four helicopters will be operated at any time during construction.

Landing Zone	Transmission Line	Tower Reference	Removed Yes/No	Alternate Landing Zone To Be Used* (If applicable)	Land Status
LZ-30	Lugo-Mohave	M22-T4	Yes	LZ-29 or LZ-32	BLM Barstow

LZ-69	Lugo-Mohave	M54-T1	Yes	LZ-68 or LZ-70	BLM Barstow
LZ-79 LZ-80 LZ-81	Lugo-Mohave	M66-T2	Yes	LZ-78 or LZ-82	BLM Barstow
LZ-120	Lugo-Mohave	M108-T2	Yes	LZ-118 or LZ121	Mojave National Preserve
LZ-158	Lugo-Mohave	M144-T2	Yes	Goffs Staging Yards**	Mojave National Preserve
LZ-202	Mohave-Eldorado	M34-T2	Yes	LZ-201 or LZ 203/204	BLM Las Vegas
LZ-205	Mohave-Eldorado	M35-T3	Yes	LZ-203/204 or LZ-207	BLM Las Vegas
LZ-208	Mohave-Eldorado	M37-T4	Yes	LZ-207 or LZ-209/210	BLM Las Vegas

Note:
* New Landing Zones range from approximately 0.17 to 2.9 miles away from the original proposed Landing Zone locations.
** As indicated in Section 3.7.1.4 Helicopter Access of the PEA, this section does indicate that helicopters may land in staging and material yards

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 28 (B-13):

Provide information as to where the helicopters would be staged, where they would refuel, where they would land within the Project site.

PEA Section 3.7.1.4 (Helicopter Access) identifies where helicopters will be staged (likely airports). The PEA defers any specific information on helicopter use, staging, refueling, etc to some future time after "final engineering, contract award, conditions of permits, and Contractor preference." SCE states "helicopters must be able to land within SCE ROWs, which could include landing on access or spur roads".

A. Please define under what conditions helicopters could land on any access or spur roads. Identify which of the potential yards would be used as fly yards.

Response to Question 28 (B-13):

Helicopters shall utilize any of the landing zones, which have been identified across the transmission lines (except the ten landing zones listed in the table below, for which in a 5/25/18 email to BLM, SCE agreed to remove from the project), for tooling/personnel loading/unloading and refueling, as required. Any of the material laydown yards may be used as helicopter staging area/fly yard to also perform helicopter maintenance, in addition to the helicopter landing zone activities.

Helicopters may only use any other access/spur roads, which have not been identified as landing zones, under emergent situations where the nearest identified landing zones cannot be reached safely. Emergent situations include unexpected weather (lightning or excessive wind) or equipment malfunctions. Potential emergent situations and responses by all personnel will be discussed at the morning tailboards prior to each helicopter flight.

Landing Zone	Transmission Line	Tower Reference	Removed Yes/No	Alternate Landing Zone To Be Used* (If applicable)	Land Status
LZ-30	Lugo-Mohave	M22-T4	Yes	LZ-29 or LZ-32	BLM Barstow

LZ-69	Lugo-Mohave	M54-T1	Yes	LZ-68 or LZ-70	BLM Barstow
LZ-79 LZ-80 LZ-81	Lugo-Mohave	M66-T2	Yes	LZ-78 or LZ-82	BLM Barstow
LZ-120	Lugo-Mohave	M108-T2	Yes	LZ-118 or LZ121	Mojave National Preserve
LZ-158	Lugo-Mohave	M144-T2	Yes	Goffs Staging Yards**	Mojave National Preserve
LZ-202	Mohave-Eldorado	M34-T2	Yes	LZ-201 or LZ 203/204	BLM Las Vegas
LZ-205	Mohave-Eldorado	M35-T3	Yes	LZ-203/204 or LZ-207	BLM Las Vegas
LZ-208	Mohave-Eldorado	M37-T4	Yes	LZ-207 or LZ-209/210	BLM Las Vegas

Note:
* New Landing Zones range from approximately 0.17 to 2.9 miles away from the original proposed Landing Zone locations.
** As indicated in Section 3.7.1.4 Helicopter Access of the PEA, this section does indicate that helicopters may land in staging and material yards

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 29 (B-13):

Describe flight paths, payloads, hours of operations for known locations and work types.

PEA Section 3.7.1.5 states flight paths will be determine prior to construction by the helicopter contractor. Potential helicopter activities are described as potential uses but without specificity as to locations and types of work.

A. See above for helicopter-specific requested information.

Response to Question 29 (B-13):

No poles/towers are to be erected using helicopters for this project. Helicopter use will be limited to transmission construction for OPGW installation on the existing 500kV transmission lines. The new OPGW will be strung approximately 232 miles through approximately 855 existing lattice towers. Helicopters will be used primarily for setting wire travelers at the existing towers for stringing operations across the 500kV transmission lines.

During construction, the flight paths will be parallel, within close proximity of the existing transmission line alignments. The complete list of helicopter activities to support the OPGW installation includes tooling (travelers) delivery, tooling installation (skid work), and personnel transport. The helicopters will utilize the nearby landing zones, which have been identified across the transmission lines, for tooling/personnel loading/unloading and refueling/maintenance, as required.

When the helicopter is transporting a load, they will not be allowed to fly over any dwellings or major travel ways without traffic control. Restricted air spaces near the project include Twentynine Palms Marine Corps Base. The need for a Congested Area Flight Plans will be evaluated and produced, as necessary.

A complete Helicopter Plan will be provided prior to construction that specifies rigging, transport, and installation data, as well as flight tracking and flight restrictions, as applicable. A preliminary Helicopter Plan has been provided for reference.

Attachment: ELM_Q#26 and 29_3.7.1.4 Helicopter Access_Preliminary Helicopter Work Plan

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 30 (B-14):

For removal of trees, distinguish between tree trimming as required under GO-95D and tree removal

The PEA notes shrub and brush removal would be required but does not identify the need for tree trimming or removal.

A. Please confirm if any tree trimming or removal is anticipated to occur as a result of project construction.

Response to Question 30 (B-14):

Currently, there is no anticipated removal of any trees on the proposed project. All proposed project permanent design areas and temporary work areas are located where existing trees are not present or conflicting with the project areas.

If any trees are identified to be trimmed and/or removed during the design phase, the species will be identified and evaluated for required permits from the BLM, NPS, or other responsible agencies to trim and/or remove.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 31 (B-14):

Describe the types and approximate number and size of trees that may need to be removed.

A. See above.

Response to Question 31 (B-14):

Currently, there is no anticipated removal of any trees on the proposed project. All proposed project permanent design areas and temporary work areas are located where existing trees are not present or conflicting with the project areas.

If any trees are identified to be trimmed and/or removed during the design phase, the species will be identified and evaluated for required permits from the BLM, NPS, or other responsible agencies to trim and/or remove.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Ruben Mazzei
Title: Civil Engineer
Dated: 07/17/2018

Question 32 (B-14):

Describe any grading activities and/or slope stabilization issues.

A. Please see comments under 3.7.1.2 and 3.7.1.3.

Response to Question 32 (B-14):

New graded areas are proposed at eight distinct locations. Of these eight locations, two will require grading to reduce the clearance between existing contours and the overhead Lugo-Mohave 500kV Transmission Line at towers M4-T2 to M4-T3 and M29-T3 to M30-T1. No new facilities will be constructed in these areas. The remaining six graded locations will involve the installation of two new mid-line series capacitors at Newberry Springs, CA and Ludlow, CA, one replacement series capacitor at Mohave Substation, and three new telecommunication fiber optics repeater sites, Kelbaker, Lanfair, and Barstow.

The proposed graded areas are identified as permanent impacts and are reflected in the GIS maps that will be provided on July 31, 2018. These areas are on relatively flat terrain and will require minimal additional area for grading beyond the pad edge.

Work areas will involve drive and crush, vegetation clearing, blade-grading, grubbing, mowing, and re-compacting surfaces to remove potholes, ruts, and other surface irregularities in order to provide leveled working areas.

As part of final engineering, Erosion Control Plans will be developed. These plans will include adequate Best Management Practices (BMPs) to reduce erosion and sediments from construction sites.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Rey Gonzales
Title: Environmental Project Manager
Dated: 07/17/2018

Question 33 (B-14):

Describe how cleanup and post-construction restoration would be performed (i.e., personnel, equipment, and methods). Things to consider include, but are not limited to, restoration of the following:

-Natural drainage patterns;
-Wetlands;
-Vegetation; and
-Other disturbed areas (i.e. staging areas, access roads, etc.).

Detailed information required in the checklist is not provided in PEA. The project description states restoration would be to pre-construction state. . APM BIO-1 provides for preparation of a Revegetation Plan.

A. Please describe how cleanup and post-construction restoration would be performed. If this information is provided in other responses, please indicate this. In order to assess potential impacts, information is required to understand the extent and nature of disturbances and what will occur to restore disturbed areas.

Response to Question 33 (B-14):

A description of typical cleanup and post-construction restoration techniques is provided in response to Question 23.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 34 (B-15):

If conductor is being replaced, how would it be removed from the site?

No information is provided on the removal of any conductor.

A. Please describe the removal and disposal of any replaced conductor.

Response to Question 34 (B-15):

Transmission stringing operations include reconductoring of the OHGW to OPGW. The existing OHGW installed at the peak of the lattice towers will be used to pull the OPGW into position on the existing transmission structures. As the OPGW is pulled in, the OHGW will be re-coiled around a split drum at the V-groove puller. The OHGW will be wrapped and the split drum will separate, leaving only the coiled OHGW to be hauled off on a flat bed and recycled.

The existing transmission line at the mid-line series capacitors will also be worked. This conductor work will only require modification of an existing span of wire to tie into a new interconnect structure at each mid-line series cap. As the line is dead-ended, the "nip-and-tuck" method may be used to remove excess wire at the interconnect structure. The excess wire length will be minimal and also recycled.

ATTACHMENT 3-C: CONSTRUCTION EQUIPMENT AND WORKFORCE ESTIMATES

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors												
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Scissor Lift	40	3	10	--	Aerial Lifts	50	6	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Foreman's Truck	40	1	10	Passenger	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Job Site Utility Cart	35	1	10	Passenger	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Test Truck	40	1	10	Delivery	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Tool Truck	35	1	10	Delivery	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Worker Commute Automobile	40	10	10	Passenger	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	250-Ton Hydraulic Crane	15	1	5	--	Cranes	450	5	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	500-Gallon Water Buffalo with Truck	15	1	5	--	Off-Highway Trucks	185	5	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Bobcat Skid Steer	15	1	5	--	Skid Steer Loaders	93	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Bobcat with Auger	15	1	5	--	Skid Steer Loaders	93	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Bobcat with Sweeper	15	1	5	--	Skid Steer Loaders	93	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Ditch Witch	20	1	5	--	Trenchers	42	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Mini Excavator	15	1	5	--	Excavators	50	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	10-Cubic-Yard Dump Truck	20	3	5	HHDT	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	4,000-Gallon Water Truck	20	3	5	HHDT	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Foreman's Truck	15	1	5	Passenger	--	--	--	0	100	54	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Job Site Utility Cart	15	1	5	Passenger	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (5 axle)	15	1	5	HHDT	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (7 axle)	15	1	5	HHDT	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Worker Commute Automobile	20	5	5	Passenger	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	135-Foot Manlift	20	1	15	--	Aerial Lifts	75	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	20,000-Pound Forklift	40	1	15	--	Forklifts	150	8	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	27-Ton Boom Truck	40	1	15	--	Cranes	350	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	65-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	85-Foot Manlift	30	1	15	--	Aerial Lifts	75	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Bobcat with Forks	90	2	15	--	Skid Steer Loaders	93	8	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Crane	10	1	15	--	Cranes	350	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Genie 45-Foot Manlift	35	1	15	--	Aerial Lifts	75	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Scissor Lift	95	3	15	--	Aerial Lifts	50	6	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	75	1	15	--	Rough Terrain Forklifts	150	8	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Foreman's Truck	95	1	15	Passenger	--	--	--	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Job Site Utility Cart	95	1	15	Passenger	--	--	--	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Tool Truck	95	1	15	Delivery	--	--	--	0	100	66	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Worker Commute Automobile	95	15	15	Passenger	--	--	--	0	100	66	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	140 Motor Grader	25	1	12	--	Graders	250	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	250-Ton Hydraulic Crane	30	1	12	--	Cranes	450	5	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	50,000-Pound Excavator /Breaker	30	1	12	--	Excavators	200	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	500-Gallon Water Buffalo with Truck	90	1	12	--	Off-Highway Trucks	185	5	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	75,000-Pound Excavator	30	1	12	--	Excavators	350	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	84-Inch Vibratory Roller Compactor	35	2	12	--	Rollers	130	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Bobcat Compactor	50	1	12	--	Skid Steer Loaders	93	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Bobcat Skid Steer	90	1	12	--	Skid Steer Loaders	93	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Bobcat with Auger	90	1	12	--	Skid Steer Loaders	93	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Bobcat with Sweeper	90	1	12	--	Skid Steer Loaders	93	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Cat 623 Scraper	30	1	12	--	Graders	400	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Cat 950 Loader	40	1	12	--	Tractors/Loaders/ Backhoes	130	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	D-6 Cat Dozer	40	1	12	--	Crawler Tractors	215	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Ditch Witch	50	1	12	--	Trenchers	42	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	LoDrill Over 50,000 Pounds	20	1	12	--	Bore/Drill Rigs	350	5	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	LoDrill up to 50,000 Pounds	30	1	12	--	Bore/Drill Rigs	200	5	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Mini Excavator	50	1	12	--	Excavators	50	8	100	0	73	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Premiertrak 300 Rock Crusher	10	1	12	--	Crushing/Proc. Equipment	280	9	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Skip Loader	100	1	12	--	Tractors/Loaders/ Backhoes	150	4	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Vermeer RT-450 Trencher	30	1	12	--	Trenchers	50	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	10-Cubic-Yard Dump Truck	100	3	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	4,000-Gallon Water Truck	100	3	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Foreman's Truck	90	1	12	Passenger	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Job Site Utility Cart	90	1	12	Passenger	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Low Bed Equipment Hauler (5 axle)	40	1	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Low Bed Equipment Hauler (7 axle)	40	1	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Low Side End Dump	100	3	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Tool Truck	50	1	12	Delivery	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Worker Commute Automobile	100	12	12	Passenger	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Scissor Lift	50	3	10	--	Aerial Lifts	50	6	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Foreman’s Truck	50	1	10	Passenger	--	--	--	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Job Site Utility Cart	50	1	10	Passenger	--	--	--	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Test Truck	50	1	10	Delivery	--	--	--	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Tool Truck	50	1	10	Delivery	--	--	--	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Worker Commute Automobile	50	10	10	Passenger	--	--	--	100	0	0	34

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Ludlow Series Cap- SC5 – Grading	140 Motor Grader	25	1	12	--	Graders	250	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	250-Ton Hydraulic Crane	30	1	12	--	Cranes	450	5	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	50,000-Pound Excavator /Breaker	30	1	12	--	Excavators	200	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	500-Gallon Water Buffalo with Truck	90	1	12	--	Off-Highway Trucks	185	5	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	75,000-Pound Excavator	30	1	12	--	Excavators	350	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	84-Inch Vibratory Roller Compactor	35	2	12	--	Rollers	130	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Bobcat Compactor	50	1	12	--	Skid Steer Loaders	93	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Bobcat Skid Steer	90	1	12	--	Skid Steer Loaders	93	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Bobcat with Auger	90	1	12	--	Skid Steer Loaders	93	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Bobcat with Sweeper	90	1	12	--	Skid Steer Loaders	93	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Cat 623 Scraper	30	1	12	--	Graders	400	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Cat 950 Loader	40	1	12	--	Tractors/Loaders/ Backhoes	130	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	D-6 Cat Dozer	40	1	12	--	Crawler Tractors	215	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Ditch Witch	50	1	12	--	Trenchers	42	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	LoDrill Over 50,000 Pounds	20	1	12	--	Bore/Drill Rigs	350	5	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	LoDrill up to 50,000 Pounds	30	1	12	--	Bore/Drill Rigs	200	5	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Mini Excavator	50	1	12	--	Excavators	50	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Premiertrak 300 Rock Crusher	10	1	12	--	Crushing/Proc. Equipment	280	9	100	0	60	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Ludlow Series Cap- SC5 – Grading	Skip Loader	100	1	12	--	Tractors/Loaders/ Backhoes	150	4	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Vermeer RT-450 Trencher	30	1	12	--	Trenchers	50	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	10-Cubic-Yard Dump Truck	100	3	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	4,000-Gallon Water Truck	100	3	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Foreman's Truck	90	1	12	Passenger	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Job Site Utility Cart	90	1	12	Passenger	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Low Bed Equipment Hauler (5 axle)	40	1	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Low Bed Equipment Hauler (7 axle)	40	1	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Low Side End Dump	100	3	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Tool Truck	50	1	12	Delivery	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Worker Commute Automobile	100	12	12	Passenger	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	135-Foot Manlift	20	1	20	--	Aerial Lifts	75	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	20,000-Pound Forklift	40	1	20	--	Forklifts	150	8	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	27-Ton Boom Truck	60	1	20	--	Cranes	350	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	65-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	85-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Bobcat with Forks	100	2	20	--	Skid Steer Loaders	93	8	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Crane	20	1	20	--	Cranes	350	5	100	0	83	53

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Generator	100	1	20	--	Generator Sets	50	12	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Genie 45-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Scissor Lift	100	3	20	--	Aerial Lifts	50	6	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	85	1	20	--	Rough Terrain Forklifts	150	8	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	65	1	20	--	Rough Terrain Forklifts	150	8	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Foreman's Truck	100	1	20	Passenger	--	--	--	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Job Site Utility Cart	100	1	20	Passenger	--	--	--	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Tool Truck	100	1	20	Delivery	--	--	--	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Worker Commute Automobile	100	20	20	Passenger	--	--	--	100	0	83	53
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Foreman's Truck	35	1	6	Passenger	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Job Site Utility Cart	35	1	6	Passenger	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Test Truck	35	1	6	Delivery	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Tool Truck	35	1	6	Delivery	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Worker Commute Automobile	35	6	6	Passenger	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	250-Ton Hydraulic Crane	30	1	5	--	Cranes	450	5	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	500-Gallon Water Buffalo with Truck	30	1	5	--	Off-Highway Trucks	185	5	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Bobcat Skid Steer	30	1	5	--	Skid Steer Loaders	93	8	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Bobcat with Auger	30	1	5	--	Skid Steer Loaders	93	8	100	0	48	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Bobcat with Sweeper	30	1	5	--	Skid Steer Loaders	93	8	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	10-Cubic-Yard Dump Truck	30	3	5	HHDT	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	4,000 Water Truck	30	3	5	HHDT	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Foreman's Truck	30	1	5	Passenger	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Job site Utility Cart	30	1	5	Passenger	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (5 axle)	20	1	5	HHDT	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (7 axle)	20	1	5	HHDT	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Worker Commute Automobile	30	5	5	Passenger	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	135-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	20,000-Pound Forklift	50	1	15	--	Forklifts	150	8	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	27-Ton Boom Truck	50	1	15	--	Cranes	350	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	65-Foot Manlift	50	1	15	--	Aerial Lifts	75	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	85-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Bobcat with Forks	50	2	15	--	Skid Steer Loaders	93	8	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Crane	20	1	15	--	Cranes	350	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Genie 45-Foot Manlift	50	1	15	--	Aerial Lifts	75	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Scissor Lift	50	3	15	--	Aerial Lifts	50	6	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	100	0	53	13

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Foreman's Truck	50	1	15	Passenger	--	--	--	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Job Site Utility Cart	50	1	15	Passenger	--	--	--	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Tool Truck	50	1	15	Delivery	--	--	--	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Worker Commute Automobile	50	15	15	Passenger	--	--	--	100	0	53	13
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Foreman's Truck	35	1	6	Passenger	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Job Site Utility Cart	35	1	6	Passenger	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Test Truck	35	1	6	Delivery	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Tool Truck	35	1	6	Delivery	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Worker Commute Automobile	35	6	6	Passenger	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	250-Ton Hydraulic Crane	30	1	5	--	Cranes	450	5	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	500-Gallon Water Buffalo with Truck	30	1	5	--	Off-Highway Trucks	185	5	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Bobcat Skid Steer	30	1	5	--	Skid Steer Loaders	93	8	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Bobcat with Auger	30	1	5	--	Skid Steer Loaders	93	8	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Bobcat with Sweeper	30	1	5	--	Skid Steer Loaders	93	8	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	10-Cubic-Yard Dump Truck	30	3	5	HHDT	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	4,000 Water Truck	30	3	5	HHDT	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Foreman's Truck	30	1	5	Passenger	--	--	--	100	0	56	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Job site Utility Cart	30	1	5	Passenger	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (5 axle)	20	1	5	HHDT	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (7 axle)	20	1	5	HHDT	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Worker Commute Automobile	30	5	5	Passenger	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	135-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	20,000-Pound Forklift	50	1	15	--	Forklifts	150	8	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	27-Ton Boom Truck	50	1	15	--	Cranes	350	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	65-Foot Manlift	50	1	15	--	Aerial Lifts	75	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	85-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Bobcat with Forks	50	2	15	--	Skid Steer Loaders	93	8	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Crane	20	1	15	--	Cranes	350	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Genie 45-Foot Manlift	50	1	15	--	Aerial Lifts	75	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Scissor Lift	50	3	15	--	Aerial Lifts	50	6	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Foreman's Truck	50	1	15	Passenger	--	--	--	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Job Site Utility Cart	50	1	15	Passenger	--	--	--	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Tool Truck	50	1	15	Delivery	--	--	--	100	0	41	37

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Worker Commute Automobile	50	15	15	Passenger	--	--	--	100	0	41	37
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	250-Ton Hydraulic Crane	30	1	10	--	Cranes	450	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	50,000-Pound Excavator /Breaker	30	1	10	--	Excavators	200	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	500-Gallon Water Buffalo with Truck	90	1	10	--	Off-Highway Trucks	185	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	75,000-Pound Excavator	30	1	10	--	Excavators	350	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	84-Inch Vibratory Roller Compactor	35	1	10	--	Rollers	130	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Bobcat Compactor	50	1	10	--	Skid Steer Loaders	93	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Bobcat Skid Steer	90	1	10	--	Skid Steer Loaders	93	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Bobcat with Auger	90	1	10	--	Skid Steer Loaders	93	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Bobcat with Sweeper	90	1	10	--	Skid Steer Loaders	93	4	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Cat 950 Loader	40	1	10	--	Tractors/Loaders/ Backhoes	130	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	D-6 Cat Dozer	40	1	10	--	Crawler Tractors	215	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Ditch Witch	50	1	10	--	Trenchers	42	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Drill Rig	50	1	10	--	Bore/Drill Rigs	500	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Excavator with Breaker	50	1	10	--	Excavators	524	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	LoDrill Over 50,000 Pounds	20	1	10	--	Bore/Drill Rigs	350	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	LoDrill up to 50,000 Pounds	30	1	10	--	Bore/Drill Rigs	200	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Mini Excavator	50	1	10	--	Excavators	50	5	0	100	80	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Motor Grader	25	1	10	--	Graders	250	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Skip Loader	90	1	10	--	Tractors/Loaders/ Backhoes	150	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Vermeer RT-450 Trencher	30	1	10	--	Trenchers	50	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	10 Cubic Yard Dump Truck	90	3	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	4,000-Gallon Water Truck	90	3	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	8,000-Gallon Water Pull	40	1	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Foreman's Truck	90	1	10	Passenger	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Job Site Utility Cart	90	1	10	Passenger	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Low Bed Equipment Hauler (5 axle)	40	1	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Low Bed Equipment Hauler (7 axle)	40	1	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Low Side End Dump	90	3	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Tool Truck	50	1	10	Delivery	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Worker Commute	90	10	10	Passenger	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Scissor Lift	50	3	6	--	Aerial Lifts	50	6	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Foreman's Truck	50	1	6	Passenger	--	--	--	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Job Site Utility Cart	50	1	6	Passenger	--	--	--	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Test Truck	40	1	6	Delivery	--	--	--	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Tool Truck	50	1	6	Delivery	--	--	--	0	100	38	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Worker Commute Automobile	50	6	6	Passenger	--	--	--	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	250-Ton Hydraulic Crane	30	1	10	--	Cranes	450	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	50,000-Pound Excavator /Breaker	30	1	10	--	Excavators	200	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	500-Gallon Water Buffalo with Truck	90	1	10	--	Off-Highway Trucks	185	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	75,000-Pound Excavator	30	1	10	--	Excavators	350	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	84-Inch Vibratory Roller Compactor	35	1	10	--	Rollers	130	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Bobcat Compactor	50	1	10	--	Skid Steer Loaders	93	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Bobcat Skid Steer	90	1	10	--	Skid Steer Loaders	93	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Bobcat with Auger	90	1	10	--	Skid Steer Loaders	93	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Bobcat with Sweeper	90	1	10	--	Skid Steer Loaders	93	4	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Cat 950 Loader	40	1	10	--	Tractors/Loaders/ Backhoes	130	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	D-6 Cat Dozer	40	1	10	--	Crawler Tractors	215	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Ditch Witch	50	1	10	--	Trenchers	42	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Drill Rig	50	1	10	--	Bore/Drill Rigs	500	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Excavator with Breaker	50	1	10	--	Excavators	524	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	LoDrill Over 50,000 Pounds	20	1	10	--	Bore/Drill Rigs	350	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	LoDrill up to 50,000 Pounds	30	1	10	--	Bore/Drill Rigs	200	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Mini Excavator	50	1	10	--	Excavators	50	5	0	100	26	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Motor Grader	25	1	10	--	Graders	250	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Skip Loader	90	1	10	--	Tractors/Loaders/ Backhoes	150	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Vermeer RT-450 Trencher	30	1	10	--	Trenchers	50	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	10 Cubic Yard Dump Truck	90	3	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	4,000-Gallon Water Truck	90	3	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	8,000-Gallon Water Pull	40	1	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Foreman's Truck	90	1	10	Passenger	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Job Site Utility Cart	90	1	10	Passenger	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (5 axle)	40	1	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (7 axle)	40	1	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Low Side End Dump	90	3	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Tool Truck	50	1	10	Delivery	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Worker Commute Automobile	90	10	10	Passenger	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	135-Foot Manlift	20	1	15	--	Aerial Lifts	75	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	20,000-Pound Forklift	40	1	15	--	Forklifts	150	8	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	27-Ton Boom Truck	60	1	15	--	Cranes	350	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	65-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	85-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	0	100	108	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Bobcat with Forks	90	2	15	--	Skid Steer Loaders	93	8	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Crane	20	1	15	--	Cranes	350	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Generator	90	1	15	--	Generator Sets	50	12	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Genie 45-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Scissor Lift	90	3	15	--	Aerial Lifts	50	6	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	85	1	15	--	Rough Terrain Forklifts	150	8	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	65	1	15	--	Rough Terrain Forklifts	150	8	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Foreman's Truck	90	1	15	Passenger	--	--	--	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Job Site Utility Cart	90	1	15	Passenger	--	--	--	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Tool Truck	90	1	15	Delivery	--	--	--	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Worker Commute Automobile	90	15	15	Passenger	--	--	--	0	100	108	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	140 Motor Grader	25	1	12	--	Graders	250	8	100	0	88	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	250-Ton Hydraulic Crane	30	1	12	--	Cranes	450	5	100	0	88	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	50,000-Pound Excavator /Breaker	30	1	12	--	Excavators	200	8	100	0	88	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	500-Gallon Water Buffalo w/ Truck	90	1	12	--	Off-Highway Trucks	185	5	100	0	88	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	75,000-Pound Excavator	30	1	12	--	Excavators	350	8	100	0	88	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	84-Inch Vibratory Roller Compactor	35	2	12	--	Rollers	130	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Bobcat Compactor	50	1	12	--	Skid Steer Loaders	93	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Bobcat Skid Steer	90	1	12	--	Skid Steer Loaders	93	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Bobcat with Auger	90	1	12	--	Skid Steer Loaders	93	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Bobcat with Sweeper	90	1	12	--	Skid Steer Loaders	93	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Cat 623 Scraper	30	1	12	--	Graders	400	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Cat 950 Loader	40	1	12	--	Tractors/Loaders/ Backhoes	130	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	D-6 Cat Dozer	40	1	12	--	Crawler Tractors	215	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Ditch Witch	50	1	12	--	Trenchers	42	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	LoDrill Over 50,000 Pounds	20	1	12	--	Bore/Drill Rigs	350	5	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	LoDrill up to 50,000 Pounds	30	1	12	--	Bore/Drill Rigs	200	5	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Mini Excavator	50	1	12	--	Excavators	50	8	100	0	88	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Premiertak 300 Rock Crusher	10	1	12	--	Crushing/Proc. Equipment	280	9	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Skip Loader	100	1	12	--	Tractors/Loaders/ Backhoes	150	4	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Vermeer RT-450 Trencher	30	1	12	--	Trenchers	50	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	10-Cubic-Yard Dump Truck	100	3	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	4,000-Gallon Water Truck	100	3	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Foreman's Truck	90	1	12	Passenger	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Job Site Utility Cart	90	1	12	Passenger	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Low Bed Equipment Hauler (5 axle)	40	1	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Low Bed Equipment Hauler (7 axle)	40	1	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Low Side End Dump	100	3	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Tool Truck	50	1	12	Delivery	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Worker Commute Automobile	100	12	12	Passenger	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Scissor Lift	35	3	10	--	Aerial Lifts	50	6	100	0	0	28

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Foreman's Truck	35	1	10	Passenger	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Job Site Utility Cart	35	1	10	Passenger	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Test Truck	35	1	10	Delivery	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Tool Truck	35	1	10	Delivery	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Worker Commute Automobile	35	10	10	Passenger	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 – Grading	140 Motor Grader	25	1	12	--	Graders	250	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	250-Ton Hydraulic Crane	30	1	12	--	Cranes	450	5	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	50,000-Pound Excavator /Breaker	30	1	12	--	Excavators	200	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	500-Gallon Water Buffalo w/ Truck	90	1	12	--	Off-Highway Trucks	185	5	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	75,000-Pound Excavator	30	1	12	--	Excavators	350	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	84-Inch Vibratory Roller Compactor	35	2	12	--	Rollers	130	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Bobcat Compactor	50	1	12	--	Skid Steer Loaders	93	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Bobcat Skid Steer	90	1	12	--	Skid Steer Loaders	93	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Bobcat with Auger	90	1	12	--	Skid Steer Loaders	93	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Bobcat with Sweeper	90	1	12	--	Skid Steer Loaders	93	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Cat 623 Scraper	30	1	12	--	Graders	400	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Cat 950 Loader	40	1	12	--	Tractors/Loaders/ Backhoes	130	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	D-6 Cat Dozer	40	1	12	--	Crawler Tractors	215	8	100	0	46	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Ditch Witch	50	1	12	--	Trenchers	42	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	LoDrill Over 50,000 Pounds	20	1	12	--	Bore/Drill Rigs	350	5	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	LoDrill up to 50,000 Pounds	30	1	12	--	Bore/Drill Rigs	200	5	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Mini Excavator	50	1	12	--	Excavators	50	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Premiertak 300 Rock Crusher	10	1	12	--	Crushing/Proc. Equipment	280	9	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Skip Loader	100	1	12	--	Tractors/Loaders/ Backhoes	150	4	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Vermeer RT-450 Trencher	30	1	12	--	Trenchers	50	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	10-Cubic-Yard Dump Truck	100	3	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	4,000-Gallon Water Truck	100	3	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Foreman's Truck	90	1	12	Passenger	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Job Site Utility Cart	90	1	12	Passenger	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Low Bed Equipment Hauler (5 axle)	40	1	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Low Bed Equipment Hauler (7 axle)	40	1	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Low Side End Dump	100	3	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Tool Truck	50	1	12	Delivery	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Worker Commute Automobile	100	12	12	Passenger	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	135-Foot Manlift	20	1	20	--	Aerial Lifts	75	5	100	0	101	40

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	20,000-Pound Forklift	40	1	20	--	Forklifts	150	8	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	27-Ton Boom Truck	60	1	20	--	Cranes	350	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	65-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	85-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Bobcat with Forks	100	2	20	--	Skid Steer Loaders	93	8	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Crane	20	1	20	--	Cranes	350	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Generator	100	1	20	--	Generator Sets	50	10	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Genie 45-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Scissor Lift	100	3	20	--	Aerial Lifts	50	6	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	85	1	20	--	Rough Terrain Forklifts	150	8	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	65	1	20	--	Rough Terrain Forklifts	150	8	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Foreman's Truck	100	1	20	Passenger	--	--	--	100	0	101	40

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Job Site Utility Cart	100	1	20	Passenger	--	--	--	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Tool Truck	100	1	20	Delivery	--	--	--	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Worker Commute Automobile	100	20	20	Passenger	--	--	--	100	0	101	40
Transmission												
Transmission - 500 kV - Survey (1)	1-Ton Truck, 4x4	90	2	8	Passenger	--	--	--	75	25	236	156
Transmission - 500 kV - Survey (1)	Worker Commute Automobile	90	8	8	Passenger	--	--	--	75	25	236	156
Transmission - 500 kV - Fiber Splicing and Termination	1-Ton Truck, 4x4	60	1	5	Passenger	--	--	--	75	25	184	132
Transmission - 500 kV - Fiber Splicing and Termination	Medium Duty Splicing Lab Truck	60	2	5	Delivery	--	--	--	75	25	184	132
Transmission - 500 kV - Fiber Splicing and Termination	Worker Commute Automobile	60	5	5	Passenger	--	--	--	75	25	184	132
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Auger Truck	30	1	6	--	Bore/Drill Rigs	210	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Boom/Crane Truck	30	1	6	--	Cranes	350	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Compressor Trailer	30	1	6	--	Air Compressors	60	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Digger Derrick 6060	30	2	6	--	Bore/Drill Rigs	300	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Manlift/Bucket Truck	30	1	6	--	Aerial Lifts	250	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	1-Ton Truck, 4x4	30	1	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	3/4-Ton Truck, 4x4	30	1	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Extendable Flat Bed Pole Truck	30	1	6	HHDT	--	--	--	95	5	66	53

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Worker Commute Automobile	30	6	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Boom/Crane Truck	20	1	6	--	Cranes	350	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Compressor Trailer	20	1	6	--	Air Compressors	60	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Digger Derrick 6060	20	2	6	--	Bore/Drill Rigs	300	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Manlift/Bucket Truck	20	1	6	--	Aerial Lifts	250	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	1-Ton Truck, 4x4	20	1	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	3/4-Ton Truck, 4x4	20	1	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Extendable Flat Bed Pole Truck	20	1	6	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Worker Commute Automobile	20	6	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Install Underground Fiber	Manlift/Bucket Truck	15	3	5	--	Aerial Lifts	250	6	100	0	80	0
Transmission - 500 kV - Lugo-Moh - Install Underground Fiber	Wire Truck/Trailer	15	1	5	--	Other Construction Equipment	10	6	100	0	80	0
Transmission - 500 kV - Lugo-Moh - Install Underground Fiber	1-Ton Truck, 4x4	15	1	5	Passenger	--	--	--	100	0	80	0
Transmission - 500 kV - Lugo-Moh - Install Underground Fiber	Worker Commute Automobile	15	5	5	Passenger	--	--	--	100	0	80	0
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Backhoe/Front Loader	8	1	5	--	Tractors/Loaders/ Backhoes	200	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Drum Type Compactor	8	1	5	--	Rollers	100	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Excavator	4	1	5	--	Excavators	160	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Motor Grader	8	1	5	--	Graders	250	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Track Type Dozer	8	1	5	--	Crawler Tractors	150	4	95	5	66	53

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	1-Ton Truck, 4x4	8	1	5	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Lowboy Truck/Trailer	8	1	5	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Water Truck	8	1	5	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Worker Commute	8	5	5	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Backhoe/Front Loader	82	1	5	--	Tractors/Loaders/ Backhoes	200	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Motor Grader	82	1	5	--	Graders	250	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Track Type Dozer	82	1	5	--	Crawler Tractors	150	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	1-Ton Truck, 4x4	82	1	5	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Lowboy Truck/Trailer	82	1	5	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Water Truck	82	1	5	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Worker Commute Automobile	82	5	5	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Hughes 530F Helicopter	210	4	44	--	--	NA	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Backhoe/Front Loader	210	1	44	--	Tractors/Loaders/ Backhoes	200	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Boom/Crane Truck	210	2	44	--	Cranes	350	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Bullwheel Puller	150	1	44	--	Other Construction Equipment	350	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	D8 Cat	210	2	44	--	Crawler Tractors	350	2	95	5	66	53

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									CA	NV	2019	2020
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Manlift/Bucket Truck	210	4	44	--	Aerial Lifts	250	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	R/T Crane (M)	210	2	44	--	Cranes	215	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Sag Cat w/ 2 winches	105	2	44	--	Crawler Tractors	350	2	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Skid Steer Mulcher	210	2	44	--	Tractors/Loaders/ Backhoes	110	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Static Truck/ Tensioner	210	1	44	--	Other Construction Equipment	350	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Wire Truck/Trailer	150	4	44	--	Other Construction Equipment	10	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	1-Ton Truck, 4x4	210	6	44	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	3/4-Ton Truck, 4x4	210	4	44	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Dump Truck	210	1	44	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Fuel, Helicopter Support Truck	210	4	44	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Lowboy Truck/Trailer	210	3	44	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Splicing Lab	210	2	44	Passenger	--	--	--	95	5	66	53

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									CA	NV	2019	2020
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Worker Commute Automobile	210	44	44	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Backhoe/Front Loader	82	1	7	--	Tractors/Loaders/ Backhoes	200	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Drum Type Compactor	82	1	7	--	Rollers	100	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Motor Grader	82	1	7	--	Graders	250	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	1-Ton Truck, 4x4	82	2	7	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Lowboy Truck/Trailer	82	1	7	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Water Truck	82	1	7	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Worker Commute	82	7	7	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Marshalling Yard (2)	Boom/Crane Truck	78	1	4	--	Cranes	350	2	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	R/T Forklift	78	1	4	--	Rough Terrain Forklifts	125	6	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	1-Ton Truck, 4x4	78	1	4	Passenger	--	--	--	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	Truck, Semi-Tractor	78	1	4	HHDT	--	--	--	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	Water Truck	78	1	4	HHDT	--	--	--	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	Worker Commute Automobile	78	4	4	Passenger	--	--	--	75	25	79	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Auger Truck	30	1	6	--	Bore/Drill Rigs	210	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Boom/Crane Truck	30	1	6	--	Cranes	350	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Compressor Trailer	30	1	6	--	Air Compressors	60	4	0	100	54	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Digger Derrick 6060	30	2	6	--	Bore/Drill Rigs	300	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Manlift/Bucket Truck	30	1	6	--	Aerial Lifts	250	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	1-Ton Truck, 4x4	30	1	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	3/4-Ton Truck, 4x4	30	1	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Extendable Flat Bed Pole Truck	30	1	6	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Worker Commute Automobile	30	6	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Boom/Crane Truck	20	1	6	--	Cranes	350	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Compressor Trailer	20	1	6	--	Air Compressors	60	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Digger Derrick 6060	20	2	6	--	Bore/Drill Rigs	300	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Manlift/Bucket Truck	20	1	6	--	Aerial Lifts	250	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	1-Ton Truck, 4x4	20	1	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	3/4-Ton Truck, 4x4	20	1	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Extendable Flat Bed Pole Truck	20	1	6	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Worker Commute Automobile	20	6	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Auger Truck	20	1	7	--	Bore/Drill Rigs	210	6	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Backhoe/Front Loader	20	1	7	--	Tractors/Loaders/ Backhoes	200	6	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Boom/Crane Truck	20	1	7	--	Cranes	350	4	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	3/4-Ton Truck, 4x4	20	2	7	Passenger	--	--	--	0	100	7	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Concrete Mixer Truck	15	3	7	HHDT	--	--	--	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Dump Truck	20	1	7	HHDT	--	--	--	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Water Truck	20	1	7	HHDT	--	--	--	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Worker Commute Automobile	20	7	7	Passenger	--	--	--	0	100	7	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Backhoe/Front Loader	8	1	5	--	Tractors/Loaders/ Backhoes	200	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Drum Type Compactor	8	1	5	--	Rollers	100	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Excavator	4	1	5	--	Excavators	160	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Motor Grader	8	1	5	--	Graders	250	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Track Type Dozer	8	1	5	--	Crawler Tractors	150	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	1-Ton Truck, 4x4	8	1	5	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Lowboy Truck/Trailer	8	1	5	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Water Truck	8	1	5	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Worker Commute	8	5	5	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Backhoe/Front Loader	82	1	5	--	Tractors/Loaders/ Backhoes	200	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Motor Grader	82	1	5	--	Graders	250	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Track Type Dozer	82	1	5	--	Crawler Tractors	150	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	1-Ton Truck, 4x4	82	1	5	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Lowboy Truck/Trailer	82	1	5	HHDT	--	--	--	0	100	54	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Moh-Eld - R/W Clearing	Water Truck	82	1	5	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Worker Commute Automobile	82	5	5	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Hughes 530F Helicopter	210	4	44	--	--	NA	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Backhoe/Front Loader	210	1	44	--	Tractors/Loaders/ Backhoes	200	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Boom/Crane Truck	210	2	44	--	Cranes	350	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Bullwheel Puller	150	1	44	--	Other Construction Equipment	350	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	D8 Cat	210	2	44	--	Crawler Tractors	350	2	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Manlift/Bucket Truck	210	4	44	--	Aerial Lifts	250	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	R/T Crane (M)	210	2	44	--	Cranes	215	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Sag Cat w/ 2 winches	105	2	44	--	Crawler Tractors	350	2	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Skid Steer Mulcher	210	2	44	--	Tractors/Loaders/ Backhoes	110	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Static Truck/ Tensioner	210	1	44	--	Other Construction Equipment	350	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Wire Truck/Trailer	150	4	44	--	Other Construction Equipment	10	6	0	100	54	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	1-Ton Truck, 4x4	210	6	44	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	3/4-Ton Truck, 4x4	210	4	44	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Dump Truck	210	1	44	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Fuel, Helicopter Support Truck	210	4	44	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Lowboy Truck/Trailer	210	3	44	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Splicing Lab	210	2	44	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Worker Commute Automobile	210	44	44	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Backhoe/Front Loader	82	1	7	--	Tractors/Loaders/ Backhoes	200	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Drum Type Compactor	82	1	7	--	Rollers	100	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Motor Grader	82	1	7	--	Graders	250	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	1-Ton Truck, 4x4	82	2	7	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Lowboy Truck/Trailer	82	1	7	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Water Truck	82	1	7	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Worker Commute Automobile	82	7	7	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Overhead Conductor Modifications	Manlift/Bucket Truck	6	3	5	--	Aerial Lifts	250	6	100	0	79	1

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Overhead Conductor Modifications	Wire Truck/Trailer	6	1	5	--	Other Construction Equipment	10	6	100	0	79	1
Transmission - 500 kV - Overhead Conductor Modifications	1-Ton Truck, 4x4	6	1	5	Passenger	--	--	--	100	0	79	1
Transmission - 500 kV - Overhead Conductor Modifications	Worker Commute Automobile	6	5	5	Passenger	--	--	--	100	0	79	1
Transmission - 500 kV - Install TSP Foundations	Auger Truck	3	1	6	--	Bore/Drill Rigs	210	6	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Backhoe/Front Loader	6	1	6	--	Tractors/Loaders/ Backhoes	200	6	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Boom/Crane Truck	6	1	6	--	Cranes	350	4	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	3/4-Ton Truck, 4x4	6	2	6	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Concrete Mixer Truck	4	3	6	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Dump Truck	6	1	6	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Water Truck	6	1	6	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Worker Commute	6	6	6	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - Install Trench (17)	Backhoe/Front Loader	90	1	8	--	Tractors/Loaders/ Backhoes	200	6	75	25	79	78
Transmission - 500 kV - Install Trench (17)	Compressor Trailer	90	1	8	--	Air Compressors	60	6	75	25	79	78
Transmission - 500 kV - Install Trench (17)	1-Ton Truck, 4x4	90	2	8	Passenger	--	--	--	75	25	79	78
Transmission - 500 kV - Install Trench (17)	Dump Truck	90	2	8	HHDT	--	--	--	75	25	79	78
Transmission - 500 kV - Install Trench (17)	Water Truck	90	1	8	HHDT	--	--	--	75	25	79	78
Transmission - 500 kV - Install Trench (17)	Worker Commute	90	8	8	Passenger	--	--	--	75	25	79	78
Transmission - 500 kV - TSP Assembly	Boom/Crane Truck	2	1	10	--	Cranes	350	8	100	0	53	104
Transmission - 500 kV - TSP Assembly	Compressor Trailer	2	1	10	--	Air Compressors	60	6	100	0	53	104
Transmission - 500 kV - TSP Assembly	1-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Assembly	3/4-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Assembly	Worker Commute	2	10	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Erection	Compressor Trailer	2	1	10	--	Air Compressors	60	4	100	0	53	104

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									CA	NV	2019	2020
Transmission - 500 kV - TSP Erection	R/T Crane (L)	2	1	10	--	Cranes	275	8	100	0	53	104
Transmission - 500 kV - TSP Erection	1-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Erection	3/4-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Erection	Worker Commute Automobile	2	10	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Backhoe/Front Loader	8	1	4	--	Tractors/Loaders/ Backhoes	200	6	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Compressor Trailer	8	1	4	--	Air Compressors	60	8	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Excavator	8	1	4	--	Excavators	160	4	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	3/4-Ton Truck, 4x4	8	1	4	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Dump Truck	8	1	4	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Worker Commute Automobile	8	4	4	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Haul	Boom/Crane Truck	1	1	4	--	Cranes	350	6	100	0	53	104
Transmission - 500 kV - TSP Haul	3/4-Ton Truck, 4x4	1	1	4	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Haul	Flat Bed Pole Truck	1	1	4	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Haul	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Removal	Boom/Crane Truck	6	1	6	--	Cranes	350	6	100	0	53	104
Transmission - 500 kV - TSP Removal	Compressor Trailer	6	1	6	--	Air Compressors	60	8	100	0	53	104
Transmission - 500 kV - TSP Removal	R/T Crane (M)	6	1	6	--	Cranes	215	6	100	0	53	104
Transmission - 500 kV - TSP Removal	1-Ton Truck, 4x4	6	2	6	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Removal	Flat Bed Truck/Trailer	6	1	6	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Removal	Worker Commute Automobile	6	6	6	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - Wood Pole Modification (6)	Boom/Crane Truck	2	1	10	--	Cranes	350	6	75	25	105	91
Transmission - 500 kV - Wood Pole Modification (6)	Compressor Trailer	2	1	10	--	Air Compressors	60	4	75	25	105	91
Transmission - 500 kV - Wood Pole Modification (6)	Manlift/Bucket Truck	2	1	10	--	Aerial Lifts	250	6	75	25	105	91

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									CA	NV	2019	2020
Transmission - 500 kV - Wood Pole Modification (6)	1-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	75	25	105	91
Transmission - 500 kV - Wood Pole Modification (6)	Flat Bed Truck/ Trailer	2	1	10	HHDT	--	--	--	75	25	105	91
Transmission - 500 kV - Wood Pole Modification (6)	Worker Commute Automobile	2	10	10	Passenger	--	--	--	75	25	105	91
Telecommuications												
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Backhoe/Front Loader	10	1	8	--	Tractors/Loaders/ Backhoes	200	6	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Concrete Pump	2	1	8	--	Pumps	350	6	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Crane	6	1	8	--	Cranes	350	4	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Drill Rig	7	1	8	--	Bore/Drill Rigs	500	6	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Fork lift	10	1	8	--	Forklifts	200	4	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	1-Ton Crew Cab 4x4	12	1	8	Passenger	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	2-Ton Truck	12	1	8	Delivery	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Concrete Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Dump Truck	7	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Flat Bed Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Worker Commute Automobile	12	8	8	Passenger	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Backhoe/front loader	10	1	8	--	Tractors/Loaders/ Backhoes	200	6	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Concrete Pump	2	1	8	--	Pumps	350	6	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Crane	6	1	8	--	Cranes	350	4	100	0	79	0

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									CA	NV	2019	2020
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Drill Rig	7	1	8	--	Bore/Drill Rigs	500	6	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Fork lift	10	1	8	--	Forklifts	200	4	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	1-Ton Crew Cab 4x4	12	1	8	Passenger	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	2-Ton Truck	12	1	8	Delivery	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Concrete Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Dump Truck	7	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Flat Bed Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Worker Commute	12	8	8	Passenger	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Backhoe/Front Loader	10	1	8	--	Tractors/Loaders/ Backhoes	200	6	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Concrete Pump	2	1	8	--	Pumps	350	6	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Crane	6	1	8	--	Cranes	350	4	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Drill Rig	7	1	8	--	Bore/Drill Rigs	500	6	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Fork lift	10	1	8	--	Forklifts	200	4	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	1-Ton Crew Cab 4x4	12	1	8	Passenger	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	2-Ton Truck	12	1	8	Delivery	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Concrete Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Dump Truck	7	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Flat Bed Truck	2	1	8	HHDT	--	--	--	100	0	79	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Worker Commute Automobile	12	8	8	Passenger	--	--	--	100	0	79	0
Distribution												
Distribution - Barstow Communication Repeater - Overhead Line Work(2)	55-Foot Double Bucket Truck	1	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Barstow Communication Repeater - Overhead Line Work(2)	60-Foot Digger Derrick	1	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Barstow Communication Repeater - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	1	1	6	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Overhead Line Work(2)	Worker Commute Automobile	1	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Pole Installation (5)	55-Foot Double Bucket Truck	1	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Barstow Communication Repeater - Pole Installation (5)	60-Foot Digger Derrick	1	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Barstow Communication Repeater - Pole Installation (5)	1-Ton Crew Cab, 4x4	1	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Pole Installation (5)	Worker Commute Automobile	1	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Trenching, Structure Excavation(1)	Backhoe Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	300	8	100	0	79	78
Distribution - Barstow Communication Repeater - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Makeup (4)	1- Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Barstow Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	55-Foot Double Bucket Truck	1	1	4	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Hydraulic Rewind Puller	1	1	4	--	Other Construction Equipment	300	6	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	1-Ton Crew Cab, 4x4	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Deep Creek T-Line Undercrossing - Overhead Line Work(2)	55-Foot Double Bucket Truck	1	1	6	--	Aerial Lifts	300	7	100	0	39	0
Distribution - Deep Creek T-Line Undercrossing - Overhead Line Work(2)	60-Foot Digger Derrick	1	1	6	--	Bore/Drill Rigs	275	4	100	0	39	0
Distribution - Deep Creek T-Line Undercrossing - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	1	1	6	Passenger	--	--	--	100	0	39	0
Distribution - Deep Creek T-Line Undercrossing - Overhead Line Work(2)	Worker Commute Automobile	1	6	6	Passenger	--	--	--	100	0	39	0
Distribution - Kelbaker Communication Repeater - Overhead Line Work(2)	55-Foot Double Bucket Truck	2	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Kelbaker Communication Repeater - Overhead Line Work(2)	60-Foot Digger Derrick	2	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Kelbaker Communication Repeater - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	2	1	6	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Overhead Line Work(2)	Worker Commute Automobile	2	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Pole Installation (5)	55-Foot Double Bucket Truck	4	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Kelbaker Communication Repeater - Pole Installation (5)	60-Foot Digger Derrick	4	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Kelbaker Communication Repeater - Pole Installation (5)	1-Ton Crew Cab, 4x4	4	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Pole Installation (5)	Worker Commute Automobile	4	6	6	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Kelbaker Communication Repeater - Trenching, Structure Excavation(1)	Backhoe/Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	200	8	100	0	79	78
Distribution - Kelbaker Communication Repeater - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Makeup (4)	1-Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	55-Foot Double Bucket Truck	1	1	4	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Hydraulic Rewind Puller	1	1	4	--	Other Construction Equipment	300	6	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	1-Ton Crew Cab, 4x4	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Overhead Line Work(2)	55-Foot Double Bucket Truck	3	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Lanfair Communication Repeater - Overhead Line Work(2)	60-Foot Digger Derrick	3	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Lanfair Communication Repeater - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	3	1	6	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Lanfair Communication Repeater - Overhead Line Work(2)	Worker Commute Automobile	3	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Pole Installation (5)	55-Foot Double Bucket Truck	9	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Lanfair Communication Repeater - Pole Installation (5)	60-Foot Digger Derrick	9	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Lanfair Communication Repeater - Pole Installation (5)	1-Ton Crew Cab, 4x4	9	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Pole Installation (5)	Worker Commute Automobile	9	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Trenching, Structure Excavation(1)	Backhoe Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	300	8	100	0	79	78
Distribution - Lanfair Communication Repeater - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Makeup (4)	1-Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	55-Foot Double Bucket Truck	1	1	4	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Hydraulic Rewind Puller	1	1	4	--	Other Construction Equipment	300	6	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	1-Ton Crew Cab, 4x4	1	1	4	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Lanfair Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	100-Foot Bucket Truck	4	1	6	--	Aerial Lifts	350	8	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	40-Ton Crane	4	1	6	--	Cranes	300	8	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	55-Foot Double Bucket Truck	40	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	60-Foot Digger Derrick	40	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	40	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	Worker Commute Automobile	40	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Pole Installation (5)	55-Foot Double Bucket Truck	4	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Pole Installation (5)	60-Foot Digger Derrick	4	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Pole Installation (5)	1-Ton Crew Cab, 4x4	4	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Pole Installation (5)	Worker Commute Automobile	4	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Trenching, Structure Excavation(1)	Backhoe Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	300	8	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Underground Cable Makeup (4)	1- Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Ludlow Series Cap- SC5 - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	100-Foot Bucket Truck	4	1	6	--	Aerial Lifts	350	8	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	40-Ton Crane	4	1	6	--	Cranes	300	8	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	55-Foot Double Bucket Truck	4	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	60-Foot Digger Derrick	4	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	4	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	Worker Commute Automobile	4	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Pole Installation (5)	55-Foot Double Bucket Truck	4	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Pole Installation (5)	60-Foot Digger Derrick	4	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Pole Installation (5)	1-Ton Crew Cab, 4x4	4	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Pole Installation (5)	Worker Commute Automobile	4	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Trenching, Structure Excavation(1)	Backhoe Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	300	8	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Underground Cable Makeup (4)	1-Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Newberry Springs Series Cap-SC2 - Underground Cable Pulling (3)& Transformer Installation	55-Foot Double Bucket Truck	1	1	4	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Newberry Springs Series Cap-SC2 - Underground Cable Pulling (3)& Transformer Installation	Hydraulic Rewind Puller	1	1	4	--	Other Construction Equipment	300	6	100	0	79	78
Distribution - Newberry Springs Series Cap-SC2 - Underground Cable Pulling (3)& Transformer Installation	1-Ton Crew Cab, 4x4	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap-SC2 - Underground Cable Pulling (3)& Transformer Installation	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Substations												
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Bobcat	85	2	15	--	Skid Steer Loaders	200	5	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Crane	85	1	15	--	Cranes	350	4	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Forklift	85	2	15	--	Forklifts	200	5	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Generator	85	2	15	--	Generator Sets	50	8	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Manlift	85	2	15	--	Aerial Lifts	150	5	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Foreman's Truck	85	1	15	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Job Site Utility Cart	85	4	15	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Tool Truck	85	2	15	Delivery	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Worker Commute Automobile	85	15	15	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Backhoe	70	2	15	--	Tractors/Loaders/ Backhoes	200	4	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Bobcat	70	2	15	--	Skid Steer Loaders	200	5	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Compactor	70	1	15	--	Rollers	300	5	0	100	0	39

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Excavator	70	2	15	--	Excavators	160	5	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Generator	70	2	15	--	Generator Sets	50	8	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Grader	70	2	15	--	Graders	290	8	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	LoDrill	70	1	15	--	Bore/Drill Rigs	200	5	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Skip Loader	70	1	15	--	Tractors/Loaders/ Backhoes	150	4	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Trencher	70	1	15	--	Trenchers	175	5	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Dump Truck	70	1	15	HHDT	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Foreman's Truck	70	1	15	Passenger	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Fuel Truck	70	1	15	HHDT	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Job site Utility Cart	70	4	15	Passenger	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Low Bed Hauler	70	1	15	HHDT	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Tool Truck	70	2	15	Delivery	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Water Truck	70	2	15	HHDT	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Worker Commute Automobile	70	15	15	Passenger	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Survey (Phase 1 - Lugo)	Foreman's Truck	15	1	2	Passenger	--	--	--	0	100	184	156
Substation - ELD Sub-Line Pos - Survey (Phase 1 - Lugo)	Job site Utility Cart	15	1	2	Passenger	--	--	--	0	100	184	156
Substation - ELD Sub-Line Pos - Survey (Phase 1 - Lugo)	Tool Truck	15	1	2	Delivery	--	--	--	0	100	184	156
Substation - ELD Sub-Line Pos - Survey (Phase 1 - Lugo)	Worker Commute Automobile	15	2	2	Passenger	--	--	--	0	100	184	156

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - ELD Sub-Line Pos - Survey (Phase 2 - Mohave)	Foreman's Truck	15	1	2	Passenger	--	--	--	0	100	236	78
Substation - ELD Sub-Line Pos - Survey (Phase 2 - Mohave)	Job site Utility Cart	15	1	2	Passenger	--	--	--	0	100	236	78
Substation - ELD Sub-Line Pos - Survey (Phase 2 - Mohave)	Tool Truck	15	1	2	Delivery	--	--	--	0	100	236	78
Substation - ELD Sub-Line Pos - Survey (Phase 2 - Mohave)	Worker Commute Automobile	15	2	2	Passenger	--	--	--	0	100	236	78
Substation - ELD Sub-Line Pos - Testing	Test Truck	140	2	5	Delivery	--	--	--	0	100	0	66
Substation - ELD Sub-Line Pos - Testing	Worker Commute Automobile	140	4	5	Passenger	--	--	--	0	100	0	66
Substation - ELD Sub-Line Pos - Wiring	Manlift	60	1	5	--	Aerial Lifts	150	5	0	100	0	30
Substation - ELD Sub-Line Pos - Wiring	Foreman's Truck	60	1	5	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Wiring	Job Site Utility Cart	60	2	5	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Wiring	Tool Truck	60	2	5	Delivery	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Wiring	Worker Commute Automobile	60	5	5	Passenger	--	--	--	0	100	0	30
Substation - Lugo-Line Pos - Electrical (SC1)	Bobcat	35	2	15	--	Skid Steer Loaders	200	5	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Crane	35	1	15	--	Cranes	350	4	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Forklift	35	2	15	--	Forklifts	200	5	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Generator	35	2	15	--	Generator Sets	50	8	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Manlift	35	2	15	--	Aerial Lifts	150	5	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Foreman's Truck	35	1	15	Passenger	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Job Site Utility Cart	35	4	15	Passenger	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Tool Truck	35	2	15	Delivery	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Worker Commute Automobile	35	15	15	Passenger	--	--	--	100	0	0	95

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - Lugo-Line Pos - Electrical (SC4)	Bobcat	35	2	15	--	Skid Steer Loaders	200	5	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Crane	35	1	15	--	Cranes	350	4	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Forklift	35	2	15	--	Forklifts	200	5	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Generator	35	2	15	--	Generator Sets	50	8	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Manlift	35	2	15	--	Aerial Lifts	150	5	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Foreman's Truck	35	1	15	Passenger	--	--	--	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Job Site Utility Cart	35	4	15	Passenger	--	--	--	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Tool Truck	35	2	15	Delivery	--	--	--	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Worker Commute Automobile	35	15	15	Passenger	--	--	--	100	0	0	28
Substation - Lugo-Line Pos - Grading/Civil	Backhoe	45	2	15	--	Tractors/Loaders/ Backhoes	200	4	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Bobcat	45	2	15	--	Skid Steer Loaders	200	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Compactor	45	1	15	--	Rollers	300	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Excavator	45	2	15	--	Excavators	160	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Generator	45	2	15	--	Generator Sets	50	8	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Grader	45	2	15	--	Graders	290	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	LoDrill	45	1	15	--	Bore/Drill Rigs	200	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Skip Loader	45	1	15	--	Tractors/Loaders/ Backhoes	150	4	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Trencher	45	1	15	--	Trenchers	175	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Dump Truck	45	1	15	HHDT	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Foreman's Truck	45	1	15	Passenger	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Fuel Truck	45	1	15	HHDT	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Job Site Utility Cart	45	4	15	Passenger	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Low Bed Hauler	45	1	15	HHDT	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Tool Truck	45	2	15	Delivery	--	--	--	100	0	53	27

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - Lugo-Line Pos - Grading/Civil	Water Truck	45	2	15	HHDT	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Worker Commute Automobile	45	15	15	Passenger	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Survey	Foreman's Truck	15	1	2	Passenger	--	--	--	100	0	67	156
Substation - Lugo-Line Pos - Survey	Job Site Utility Cart	15	1	2	Passenger	--	--	--	100	0	67	156
Substation - Lugo-Line Pos - Survey	Tool Truck	15	1	2	Delivery	--	--	--	100	0	67	156
Substation - Lugo-Line Pos - Survey	Worker Commute Automobile	15	2	2	Passenger	--	--	--	100	0	67	156
Substation - Lugo-Line Pos - Testing (SC1)	Test Truck	60	2	4	Delivery	--	--	--	100	0	0	130
Substation - Lugo-Line Pos - Testing (SC1)	Worker Commute Automobile	60	4	4	Passenger	--	--	--	100	0	0	130
Substation - Lugo-Line Pos - Testing (SC4)	Test Truck	60	2	4	Delivery	--	--	--	100	0	0	26
Substation - Lugo-Line Pos - Testing (SC4)	Worker Commute Automobile	60	4	4	Passenger	--	--	--	100	0	0	26
Substation - Lugo-Line Pos - Wiring (SC1)	Manlift	45	1	5	--	Aerial Lifts	150	5	100	0	0	95
Substation - Lugo-Line Pos - Wiring (SC1)	Foreman's Truck	45	1	5	Passenger	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Wiring (SC1)	Job Site Utility Cart	45	2	5	Passenger	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Wiring (SC1)	Tool Truck	45	2	5	Delivery	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Wiring (SC1)	Worker Commute Automobile	45	5	5	Passenger	--	--	--	100	0	0	95
Substation - Mohave-Line Pos - Electrical	Bobcat	45	2	15	--	Skid Steer Loaders	200	5	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Crane	45	1	15	--	Cranes	350	4	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Forklift	45	2	15	--	Forklifts	200	5	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Generator	45	2	15	--	Generator Sets	50	8	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Manlift	45	2	15	--	Aerial Lifts	150	5	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Foreman's Truck	45	1	15	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Job Site Utility Cart	45	4	15	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Tool Truck	45	2	15	Delivery	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Worker Commute Automobile	45	15	15	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Backhoe	45	2	15	--	Tractors/Loaders/ Backhoes	200	4	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Bobcat	45	2	15	--	Skid Steer Loaders	200	5	0	100	0	40

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Compactor	45	1	15	--	Rollers	300	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Excavator	45	2	15	--	Excavators	160	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Generator	45	2	15	--	Generator Sets	50	8	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Grader	45	2	15	--	Graders	290	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	LoDrill	45	1	15	--	Bore/Drill Rigs	200	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Skip Loader	45	1	15	--	Tractors/Loaders/ Backhoes	150	4	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Trencher	45	1	15	--	Trenchers	175	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Dump Truck	45	1	15	HHDT	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Foreman's Truck	45	1	15	Passenger	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Fuel Truck	45	1	15	HHDT	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Job site Utility Cart	45	4	15	Passenger	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Low Bed Hauler	45	1	15	HHDT	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Tool Truck	45	2	15	Delivery	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Water Truck	45	2	15	HHDT	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Worker Commute Automobile	45	15	15	Passenger	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Survey (Phase 1 - Eldorado)	Foreman's Truck	10	1	2	Passenger	--	--	--	0	100	236	78
Substation - Mohave-Line Pos - Survey (Phase 1 - Eldorado)	Job site Utility Cart	10	1	2	Passenger	--	--	--	0	100	236	78
Substation - Mohave-Line Pos - Survey (Phase 1 - Eldorado)	Tool Truck	10	1	2	Delivery	--	--	--	0	100	236	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - Mohave-Line Pos - Survey (Phase 1 - Eldorado)	Worker Commute Automobile	10	2	2	Passenger	--	--	--	0	100	236	78
Substation - Mohave-Line Pos - Testing	Test Truck	75	2	4	Delivery	--	--	--	0	100	0	39
Substation - Mohave-Line Pos - Testing	Worker Commute Automobile	75	4	4	Passenger	--	--	--	0	100	0	39
Substation - Mohave-Line Pos - Wiring	Manlift	25	1	5	--	Aerial Lifts	150	5	0	100	0	30
Substation - Mohave-Line Pos - Wiring	Foreman's Truck	60	1	5	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Wiring	Job Site Utility Cart	60	2	5	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Wiring	Tool Truck	60	2	5	Delivery	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Wiring	Worker Commute Automobile	60	5	5	Passenger	--	--	--	0	100	0	30

Notes: "--" = Not Applicable

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 35 (B-15):

Describe how the construction crews and their equipment would be transported to and from the pole site location. Provide vehicle type, number of vehicles, and estimated number of trips and hours of operation.

PEA Sections 3.7.2.2 (Pole/Tower Installation and Removal, Attachment 3-D (Construction Equipment and Workforce Estimates) and Section 4.16 (Transportation and Traffic) identify all of the equipment and vehicles anticipated to be used. However, from the information provided it is not clear how many vehicles and vehicle trips will occur to and from the pole sites.
A. Please describe the transport of crews and equipment to and from pole site locations; identify vehicle types, number of vehicles, estimated number of trip, and hours of operation.

Response to Question 35 (B-15):

Personal vehicle trips were calculated assuming each worker identified in the accompanying Attachment 3-C: Construction Equipment and Workforce Estimates under the column "Equipment Type" as "Worker Commute Automobile," would travel separately. The remaining on-road vehicles in Attachment 3-C were assumed to make one round trip each day. The trip distance that was considered was 100 miles round trip per vehicle. Additionally, please refer to Attachment 3-C for the “Approximate Number of Workers” and “Approximate Use (hours per day)” for the vehicles used for each individual construction activity. Furthermore, Attachment 3-C is broken down by Construction “Activity” – Capacitors, Transmission, Telecommunications, Distribution, and Substations.

Please see additional information below regarding how the workers and on-road vehicles will be utilized once they reach their specific work areas.

As reference, Attachment 3-C is provided in the following file:
ELM_Q#35_3.75 Const, Work&Equip_Attach 3-C_20180716.pdf

<u>Transmission</u>

For TSP pole removal and installation at Lugo, SCE will utilize the following equipment: 1-ton crew cab, ¾ ton truck/foreman's truck, backhoe, bobcat, bucket truck, concrete mixer truck, crane/boom truck, digger derrick, dump truck, flatbed truck, forklift, hydraulic crane, lo-drill, semi-tractor truck, tool truck, utility truck, and wire truck/trailer. Trip aspect will be conducted inside the substation. Major materials will be placed inside the substation prior of construction.

One 10-man crew is proposed to work on transmission TSP removal activities each day. One four (4)-man crew is proposed to work on transmission TSP foundation removal each day. One seven (7)-man crew is proposed to work on installing TSP foundation each day. One four (4)-man crew is proposed to work on hauling the TSP. One 10-man crew is proposed to work on transmission TSP assembly each day, and one 10-man crew is proposed to work on TSP erection each day. The work day would typically be 8 to 10 hours each day. Additional time may be required for travel from SCE facilities (such as service centers) to each work site/location.

Telecommunications (OPGW Reconductoring Work)

The transmission line work to be completed for the OPGW installation includes guard site installations, pull site preparation/restoration, material transport, and OPGW stringing. There will be a separate site/material crew working on guard/pull site work and material transport that will handle this work, with added support from the stringing crews, as needed. The site/material crew will be about 3-6 personnel driving to the stringing sites in a couple crew trucks and flatbed trucks each day. They will be operating backhoes, digger derricks, loaders, and forklifts. There will be 3 separate stringing crews working on different wire stringing sections at once. Each crews will be 4-6 personnel driving to the stringing sites in a couple of crew trucks and bucket trucks. They will be operating boom trucks, forklifts, sag cats, helicopter, and stringing equipment. The complete list of equipment being used for this work is identified in attachment 3-C.

To maximize work hours, all crews will drive onto the right-of-way and/or substation in the morning and remain there until the end of the work day. The crews will operate the equipment from approximately 7AM until 7PM each day, as weather allows. Additionally, to maximize work hours, some crews may also be flown to the more remote and limited access stringing sites via helicopter.

Distribution

Distribution Labor Force and Construction Equipment:

Construction would be performed by SCE construction crews and/or by contractors. For each 4-man crew, a reel truck/bucket truck (or double bucket truck) would be used to install the conductor on overhead structures. A crew cab truck would transport personnel to and from the site and would be used as a support vehicle. An auger truck would also be used and double as a small crane. It is capable not only of digging the holes needed for interset and replacement poles but also as a crane for raising the new pole and lowering it into the hole. The crew cab truck is

expected to be used for two to four hours per day. All other vehicles are expected to be used for six to 8 hours per day. The number of days would the equipment would be used would depend on the number of worksites, pole placements and detailed final design of the distribution components of the proposed project.

Two 4-man crews are proposed to work on distribution construction activities each day. The work day would typically be 6 to 8 hours each day. Additional time may be required for travel from SCE facilities (such as service centers) to each work site/location.

Overhead Distribution Pole Assembly and Installation

Structural components of the distribution equipment would be shipped by truck to the individual pole location site. The new pole and associated equipment would then be erected in the required location. Permanent ground disturbance would generally be limited to the construction areas. The ground disturbance for the pole installation would typically be approximately 5 sq. ft. for the pole and approximately 1 sq. ft. per pole anchor.

The installation of a typical new electrical distribution pole would be done before conductor stringing. The new pole would be installed at the required location. A hole would typically be dug using a digger truck or possibly hand-dug if inaccessible by truck. The new pole would then be set in the hole and backfilled with soil which would be tamped for compaction. Appropriate components such as cross arms, insulators and down guys would then be installed on the new pole to accommodate the new distribution circuit conductor. The existing distribution conductors and telecommunication lines (where applicable) would be attached to the new structure.

Overhead Distribution Wire Stringing and Conductor Installation

Wire stringing includes all activities associated with installation of the distribution line conductors onto the distribution poles, including the installation of primary conductor, insulators, and dead-end hardware assemblies. These installations may also include vibration dampeners, weights, spacers and fault indicators. Insulators and stringing sheaves (rollers/ or travelers) may be attached to the conductors as part of the stringing activity, as they are attached to the new structures, during the distribution pole erection process. The dimensions of the area needed for the stringing setups associated with conductor installation will vary depending on structure height and terrain conditions, but will not extend beyond the limits of the approved temporary construction use areas. Vegetation will only be removed where necessary to safely access the site and set up conductor stringing equipment. To the extent possible, stringing setup sites will be located on level ground to minimize the need for grading.

Distribution Pole Removal

The removal of a typical existing electrical distribution pole would be done while the conductor is de-energized. The existing distribution conductors would be de-energized by cutting the conductors at start of the section to be removed. The de-energized distribution conductors would then be detached from the insulators. The components on the poles – such as cross-arms etc., would be would be dismantled and then detached from the pole. The poles to be removed would

be extracted from the ground. After the original pole is extracted, the residual hole would then be filled in and compacted appropriately. These holes left from removing the poles would be backfilled with spoils that may be available in the surrounding area or by using imported fill if needed or as directed by the environmental mitigation measures. All equipment would finally be removed from the site and trash – if any – would be disposed appropriately.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Chad Packard
Title: Subtransmission Planner
Dated: 07/17/2018

Question 36 (B-15):

Top Removal – If topping is required to remove a portion of an existing transmission pole that would now only carry distribution lines, please provide the following:
-Describe the methodology to access and remove the tops of these poles.
-Describe any special methods that would be required to top poles that may be difficult to access, etc.

The PEA does not identify what poles will be topped where they are located, the method to access and top these poles, and any special methods that may be required.
A. Please provide the top removal information required. If no poles are to be topped, please indicate that.

Response to Question 36 (B-15):

SCE does not plan to top any poles for the Project.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Lamar Cunningham
Title: Sr Project Engineer
Dated: 07/17/2018

Question 37 (B-17):

Provide the total approximate cubic yardage of material to be removed from the trench, the amount to be used as backfill and the amount to subsequently be removed/disposed of off-site.

PEA Section 3.7.3.1 (Trenching) does not provide an estimate of cubic yardage of material excavated, used as backfill, or disposed of off-site.
A. Please provide estimates of total material excavated, amount used as backfill, and disposition of any remaining excavated material.

Response to Question 37 (B-17):

SCE anticipates excavating approximately 6800 CY of soil for the distribution and telecom work. The plan is to reuse the excavated soil as backfill and compacted over the trenches. Any excess soils would be used to improve adjacent access roads by smoothing and removing nuts.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 38 (B-18):

Provide off-site disposal location, if known, or describe possible option(s).

Information is not provided on the handling of removed trench material.

A. Please identify known or potential off-site disposal locations for excess excavated material. If excess material is not to be disposed of off-site, please describe its fate.

Response to Question 38 (B-18):

Typically excess materials are spread and compacted on existing access roads to repair ruts and level roads or used for backfill; however, if excess material is not disposed of onsite, the contractor will need to transport excess material to an SCE approved facility (see attachments for lists of approved sites "ELM Q38 Approved HW Facilities.pdf" and "ELM Q38 Non-Hazardous Waste Disposal Recycling Facilities Approved Vendor List 021618.pdf").

The BLM requires a minerals and soil material removal application. SCE will be filing an application with the BLM once the exact location and area is identified.

Grading Infraction Work

The potential ground clearance deficiencies will require grading of mounded soils at a few locations. If the quantity of mounded material to be removed is minimal, it will be graded out in the adjacent work area and/or spread evenly on adjacent permanent dirt access roads in need of maintenance.

If the quantity of material to be removed is excessive and cannot be graded out on-site, it will be loaded into dump trucks and removed from the site. If the material is inspected and determined to be suitable for fill, the material will be transported to the nearest graded site for reuse and reduction of truck trips. If the material is deemed to be unsuitable for fill during inspection, the material will be transported to the nearest SCE-approved material disposal yard as previously indicated.

Attachment: ELM Q38 Approved HW Facilities.pdf

Attachment: ELM Q38 Non-Hazardous Waste Disposal Recycling Facilities Approved Vendor List 021618.pdf

Location	Address
Azusa Land Reclamation	1211 W. Gladstone, Azusa, CA 91702
Clean Harbors Aragonite, LLC	11600 North Aptus Road, Exit 56, Aragonite, UT 84029
Clean Harbors, Buttonwillow, LLC	2500 West Lokern Road, Buttonwillow, CA 93206
Clean Harbors Coffeyville	2474 North US Highway 169, Coffeyville, KS 67337
Clean Harbors Deerpark Tx	2027 Independence Parkway South, La Porte, TX 77571
Clean Harbors Grassy Mountain	3 Miles East, 7 Miles North of Knolls, Exit 41 off I-80, Grantsville, UT 84029
Clean Harbors Los Angeles, LLC	5756 Alba Street, Los Angeles, CA 90058
Crosby & Overton	1610 W. 17th St., Long Beach, CA, 90813
Demenno Kerdoon (Compton Facility Only)	2000 N. Alameda Street, Compton, CA 90222
E-Recyclinig	7230 Petterson Lane, Paramount, CA 90723-2022
eWaste Center Inc.	5788 Smithway St. Commerce, CA 90040
IMS Electronics Recycling,	12455 Kerran Street, Suite 300, Poway, CA 92064
Kettleman Hills	35251 Old Skyline Rd, Kettleman City, CA 93239
Kinsbursky Brothers	125 E. Commercial St. #A, Aneheim, Ca 92801-1214
US Ecology, Nevada	Highway 95, 12 Miles South of Beatty, NV
Veolia ES Technical Solutions, LLC	1704 W. First St. Azusa, CA 91702
Clean Harbors El Dorado, LLC	309 American Circle El Dorado, AR 71730
Clean Harbors Kimbell, Inc.	2247 South Highway 71 Kimball, NE 69145
Clean Harbors Deer Trail, LLC	108555 East Highway 36 Deer Trail, CO 80105
Clean Harbors Arizona, LLC	1340 West Lincoln Street Phoenix, AZ 85007
Clean Harbors of San Jose, LLC	1040 Commercial Street San Jose, CA 95112
Clean Harbors Wilmington, LLC	1737 East Denni Street Wilmington, CA 90744
Clean Harbors Colfax, LLC	3763 Highway 471 Colfax, LA 71417
Clean Harbors LaPorte, LLC	500 Battleground Road La Porte, TX 77571
Transformer Technologies	4709 Turner Road SE Salem, OR 97317
A-line Environmental Decomission Service	808 Dearborn Ave. Waterloo, IA 50703

Apex Drum	6228 Ferguson Drive Commerce, CA
Bethlehem Apparatus	890 Front Street Hellertown, PA
Bethlehem Apparatus	Bethlehem, PA
Cylinder Depot, Inc (Formerly Universal Cylinder Exchange)	692 North Cypress Street
Demeno Kerdoon (NOTE: DK SISTER SITE IN VERNON, CA IS NOT APPROVED FOR	2000 North Alameda Street Compton,CA
Electronic Recyclers International, LLC	2860 South East Avenue Fresno,CA
Energy Solutions of Utah; formerly ENVIROCARE OF UTAH (Only Approved	423 West 300 South Salt Lake City , UT
E-Recycling of California	7230 Petterson Lane Paramount,CA
E-World Recyclers	2480 Ash Street Vista,CA
Filter Recycling	180 West Monte Avenue Rialto,CA
Industrial Container Services	1540 South Greenwood Avenue Montebello,CA
Kinsbursky Brothers Inc.	125 East Commercial Street #A Anaheim,CA
Siemens Industry, Inc	5375 S. Boyle Avenue Los Angeles,CA
Soil Safe of California, Inc (Previously TPS)	12328 Hibiscus Road Adelanto,CA
Ted Levine Drum Co	1817 Chico Avenue So. El Monte,CA
Thermal Remediation Solutions, LLC	1211 West Gladstone Street Azusa,CA
THOMAS GRAY & ASSOCIATES INC. (Only Approved for use via an Approved Rad	1205 West Barkley Avenue Orange,CA
US Ecology Idaho, Inc.	10.5 miles NW on HWY 78, Lemley Road Grand View, ID
WM Mercury Waste Inc (Mercury Waste Solutions)	21211 Durand Avenue Union Grove, WI
Waste Management Asset Recovery Group, Southeast Center (Lamp Tracker)	221 North 48th Avenue Phoenix, AZ

Southern California Edison
Non-Hazardous Waste Disposal and Recycling Facilities Approved Vendors List

PLEASE READ PRIOR TO UTILIZING THE NON-HAZARDOUS WASTE AND RECYCLING FACILITY APPROVED VENDORS LIST

1. Acceptance criteria, including required laboratory analysis varies from facility to facility, so please contact the facility prior to planning shipments of waste to verify all informationrequired for waste acceptance is available.

2. The waste a facility will accept may change over time, so please verify that the facility is capable of handling the waste stream or recyclable material prior to shipping the waste or recyclable material.

3. Please verify the operating hours of the facility prior to shipping materials to the chosen facility.

4. Reach out to the SCE Environmental Services, Site Characterization & Remediation Section for assistance in liquid disposal outside of that which is listed.

Should any questions arise, or if assistance is needed in choosing a facility, please contact SCE Environmental Services, Site Characterization & Remediation Section

Site Name	County/State	Address & Contact Info	Facility Type		Site Accepts						Total Petroleum Hydrocarbon Limits			Site Accepts Non-Haz limits of PCBs	Size Restriction for Concrete Waste and/or Debris	Days and Hours of Operation for Waste Disposal	Notes
			Landfill (L) Recycler(R) Other (O)	Class	Soil	Concrete	Asphalt	Construction Debris	Non-Friable Asbestos	Out of County Waste	Gasoline Range TPH	Diesel Range TPH	Oil Range TPH				
Outback Materials	Fresno, CA	17999 Road 206 Friant, CA 93626	R	NA	N	Y	Y	N	N	Y	110	2,500	2,500	N			
Bishop-Sunland Landfill	Inyo, CA	110 Sunland Res Road, Bishop, CA 760.872.4126	L	III	Y	Y	Y	Y	Y	N	NA	NA	NA	N		M-F 7:30 - 3:30	Scott Egan director - 760 937 5497
Bertrand Enterprises	Kern, CA	1210 Graaf Ave Ridgecrest, Ca 93555 760.446.6600	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N	2' x 2'	M-F 7:30 - 3:30	No protruding rebar beyond one foot
Boron Sanitary Landfill	Kern, CA	11400 Boron Ave, Boron 93516	L	III	Y	Y	Y	Y	N	N	10	10	10	N	2' x 2' x 1'		Cover on every load
Granite Construction	Kern, CA	3005 James Road Bakersfield, CA 93308 661.399.3361	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N			
McKittrick Waste Landfill	Kern, CA	56533 Highway 58, West McKintrick, CA 93251 661.762.7366	L	II	Y	Y	Y	Y	Y	Y	10,000	10,000	10,000	N	No restrictions	M-F 8:00 - 4:00	Accepts liquids
Mojave-Rosamond Sanitary Landfill	Kern, CA	400 Silver Queen Road, Mohave, CA 93501 (661) 862-8976 ask for Phil Jones	L	III	Y	Y	Y	Y	Y	N	10	10	10	N	2' x 2' x 1'	Sun, Tues, Thurs: 8am - noon Mon, Weds, Fri, Sat: 8am - 4pm	
Ridgecrest- Inyokern Sanitary Landfill	Kern, CA	3301 Bowman Road, Ridgecrest, CA 93555 (661) 862-8976 ask for Phil Jones	L	III	Y	Y	Y	Y	Y	N	10	10	10	N	2' x 2' x 1'	8AM - 4PM M-F	
Tehachapi Sanitation Landfill	Kern, CA	12001 Tehachapi Blvd., Tehachapi, CA 93561 (661) 862-8976 ask for Phil Jones	L	III	Y	Y	Y	Y	Y	N	10	10	10	N	2' x 2' x 1'	8AM - 4PM M-F	
Avenal Regional Landfill	Kings, CA	201 North Hydrill Road, Avenal, CA 93204 (559) 386-5844	L	III	Y	Y	Y	Y	*	N	1,000	1,000	50,000	N			
Kettleman Hills Hazardous Waste Facility	Kings, CA	35251 Old Skyline Road, Kettleman City, CA 93239 559-309-7688 ask for Kelly	L	I	Y	Y	Y	Y	Y	Y	5,800	20,000	10,000				
25th Street Recycling	Los Angeles, CA	2121 East 25th st, Vernon, CA 90058 (323) 583-7913	R	NA	N	Y	Y	N	N	Y	110	2,500	2,500	N	2' x 2'	630AM-1100PM M-F, 6AM-6PM Sat	
Arcadia Reclamation	Los Angeles, CA	12321 Lower Azusa Rd, Arcadia, CA 91006 (909) 592-7300	R	NA	N	Y	Y	Y	N	Y	110	2,500	2,500	N			
Arrow Transit Mix	Los Angeles, CA	507 E. Avenue L-12, Lancaster, CA 661-945-7600	R	NA	N	Y	Y	N	N	Y	110	2,500	2,500	N		N/A	
Antelope Valley/Palmdale Landfill	Los Angeles, CA	1200 W. City Ranch, Palmdale, CA 93551 (866) 909-4458	L	III	Y	Y	Y	Y	Y	Y	100	1,000	1,000	N	N *	6AM-4:45PM M-F	* For specific questions call Rachel Lopez - Tech Services (559) 834-2267
Azusa Land Reclamation, Inc.	Los Angeles, CA	1211 W. Gladstone Street, Azusa, CA 91702 (626) 334-0719	L	III	Y	Y	N	N	Y	Y	10	10	500	N			Will NOT accept non-haz levels of arsenic over 12 ppm.
Bradley Recycling Center	Los Angeles, CA	9081 Tujunga Avenue, Sun Valley, CA 91352 (818) 767-6180	R	NA	N	N	N	N	N	Y	110	2,500	2,500	N		N/A	* Tree Trimmings only
Calabasas Sanitation District of LA County Landfill	Los Angeles, CA	5300 Lost Hills, Agoura, CA 91301 (562) 908-4288 x 4503	L	III	Y	Y	Y	Y	N	N	1,000	10,000	10,000	N	bulky charge	8AM-5PM M-Sat	Cover on every load
Chandler's Sand and Gravel	Los Angeles, CA	1711 Alameda St., Wilmington, CA 90744 (310)784-2905	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N		8AM-4PM M-F	
Chandler's Sand and Gravel	Los Angeles, CA	26311 Palos Verdes Dr, Rolling Hills Estates, CA 90274 (310) 784-2900	R	NA	Y	Y	Y	Y	N	Y	110	2,500	2,500	N			
Chiquita Canyon Sanitary Landfill	Los Angeles, CA	29201 Henry Mayo Drive, Valencia, CA 91384 (661) 388-3013 ask for Justin Fellhauer	L	III	Y	Y	Y	Y	N	Y	1,000	1,000	50,000	Y - 1.7 ppm	N	5AM-5PM M-F, 6AM-2PM Sat, Varies on Sunday	
Demenno Kerdoon	Los Angeles, CA	2000 N. Alameda St. Compton, CA	Liquid Waste Only	NA	N	N	N	N	N	Y	NA	NA	NA	N	NA		
Granite Construction	Los Angeles, CA	7005 Pearblossom Highway Littlerock, CA 93543 661-392-5831	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N			Call to verify acceptance criteria (concrete costs $50/ton, need pre-clearance from the facility)
Hansen Aggregates	Los Angeles, CA	6956 Cherry Avenue N. Long Beach, CA 90805 (800) 300-6120	R	NA	N	Y	Y	N	N	Y	110	2,500	2,500	N			

Southern California Edison
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3. Please verify the operating hours of the facility prior to shipping materials to the chosen facility.

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Site Name	County/State	Address & Contact Info	Facility Type		Site Accepts						Total Petroleum Hydrocarbon Limits			Site Accepts Non-Haz limits of PCBs	Size Restriction for Concrete Waste and/or Debris	Days and Hours of Operation for Waste Disposal	Notes
			Landfill (L) Recycler(R) Other (O)	Class	Soil	Concrete	Asphalt	Construction Debris	Non-Friable Asbestos	Out of County Waste	Gasoline Range TPH	Diesel Range TPH	Oil Range TPH				
Lancaster Landfill	Los Angeles, CA	600 East Avenue F, Lancaster, CA 93535 (866) 909-4458	L	III	Y	Y	Y	Y	Y	Y	100	100	1,000	< 50	N *	6AM - 5PM M-F	Will accept non-haz levels of arsenic over 12 ppm. * For specific questions call Rachel Lopez - Tech Services (559) 834-2267
Savage Canyon Landfill	Los Angeles, CA	13919 East Penn Street, Whittier, CA 90602 (562) 907-7750	L	III	Y	Y	Y	Y	Y	N	NA	NA	NA	N			Only accepts waste from inside City of Whittier limits
Scholl Canyon Landfill	Los Angeles, CA	7721 N. Figueroa, Los Angeles, CA 90041 (562) 699-7411 x 6005 ask for Milton Baartz	L	III	Y	Y	Y	N	N	N	1,000	10,000	50,000	Y*	N	8AM - 5PM M-F, 8AM-3:30PM Sat	Only accepts waste from Glendale, La Canada Flintridge, Pasadena, South Pasadena, San Marino, Sierra Madre, Altadena, La Crescenta, Montrose, San Gabriel, Rosemead, Temple City, and Arcadia.
Sunshine Canyon Landfill	Los Angeles, CA	14747 San Fernando Road, Sylmar, CA 91342 (818) 274-9554	L	III	Y	Y	Y	Y	Y	N	1,000	10,000	Not defined, but total TPH 50,000	Yes, specific limitations per aroclor		8AM-5PM M-F	LA County waste only
TRS Waste Management	Los Angeles, CA	1211 W. Gladstone Street, Azusa, CA 91702 (626) 334-0719	(O) Thermal Treatment	II, III	Y	Y	Y	N	N	Y	5,000	20,000	50,000			8AM-5PM M-F	Difficult to get waste into this location
Fairmead Solid Waste Disposal Site	Madera, CA	21739 Road 19 / Avenue 22 At Road 19, Chowchilla, CA 93610	L	III	Y	Y	Y	Y	N	N	1,000	1,000	50,000	Y - 1.7 ppm			
Outback Materials	Madera, CA	26065 Outback Industrial Way, Coarsegold, CA 93614	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N			
Benton Crossing Landfill	Mono, CA	899 Pit Rd, Crowley Lake, CA 93546 (760) 937-2192	L	III	Y	Y	Y	Y	Y	N	NA	NA	NA	N		8AM-4PM M-Sat, 8AM-12PM Sun	
Granite Construction	Mono, CA	1 1/4 Highway 120 E. Lee Vining, CA 93541	R	NA	Y	Y	Y	Y	N	Y	110	2,500	2,500	N			
Pumice Valley Landfill	Mono, CA	200 Dross Road, Lee Vining, CA 93541 (760) 932-5440	L	III	Y	Y	Y	N*	N*	N	NA	NA	NA	N	< 6' free	7AM - 3PM W-Sat	* Only accept at Benton Crossing Landfill
Chandlers Rio Santiago	Orange, CA	6145 E. Santiago Canyon Road, Orange, CA 92869	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N			
Frank Bowerman Landfill	Orange, CA	11002 Bee Canyon Access Road, Irvine, CA Isabel Rios 714.834.4118	L	III	Y	Y	Y	Y	N	N	50	100	1,000	N			Is not likely to accept soil, often closed to the public
Greenstone Materials	Orange, CA	San Juan Capistrano	R	NA	N	Y	Y	N	N	Y	110	2,500	2,500	N	2' x 2', larger is charged extra		Approved for concrete, asphalt, and stone. No Soil. NO REBAR.
Olinda Alpha Sanitary Landfill	Orange, CA	1942 N. Valencia Avenue, Brea, CA 92823 (714) 834-4000 ask for Christen for Specifics on acceptance criteria	L	III	Y	Y	Y	Y	N	N	50 500	100 1,000	1,000 1,000	Y	N	7AM-4PM M-Sat	Soil meeting top numbers of TPH and residential RSLs for metals is used as daily cover and is free of charge. Bottom set of TPH is $56.96/ton. Metals in soil must meet residential RSLs in order to avoid charges, industrial RSLs for admittance. Arsenic acceptance is set at 4.4 ppm.
Prima Deschecha Landfill	Orange, CA	32250 La Pata Avenue, San Juan Capistrano, CA 949-728-3040	L	III	Y	Y	Y	Y	N	N	1,000	3,000	3,000	N			$56.96/ton, metals must be below TTLC HW criteria, arsenic not accepted over 50 mg/kg.
RJ Noble Company	Orange, CA	15505 E Lincoln Avenue, Orange, CA 92856	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N			Accepts Inert Debris call for acceptance criteria.
Badlands Sanitary Landfill	Riverside, CA	31125 Ironwood Avenue Moreno Valley, CA	L	III	Y	Y	Y	Y	N	N	500	5,000	50,000	N		Mon-Sat 6:00 am to 4:30 pm	TPH at conc limits 50, 100, 1000 used as daily cover
Blythe Sanitary Landfill	Riverside, CA	1000 Midland Road, Blythe, CA 92225 (909) 486-3200	L	III	Y	Y	Y	Y	N	N	500	5,000	50,000	N			TPH at conc limits 50, 100, 1000 used as daily cover
Boone Recycled Materials	Riverside, CA	25630 Trumble Road, Romoland,CA 92585	R	NA	N	Y	Y	N	N	Y	110	2,500	2,500	N			
Boone Recycled Materials	Riverside, CA	1871 Warren Road, San Jacinto, CA 92582	R	NA	N	Y	Y	N	N	Y	110	2,500	2,500	N			
Desert Recycling Inc.	Riverside, CA	27-105 Sierra Del Sol Thousand Palms, CA 92276 760.343.0095	R	NA	Y	Y	Y	Y	N	Y	110	940	940	N	Y		
El Sobrante Landfill	Riverside, CA	10910 Dawson Canyon Road, Corona, CA 92883	L	III	Y	Y	Y	N	N	Y	500	5,000	50,000	N			
Granite Construction	Riverside, CA	38000 Monroe Street, Indio, CA 92203 (760) 775-7500	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N			
Greenstone Materials	Riverside, CA	1420 Nandina Ave, Perris, CA	R	NA	N	Y	Y	N	N	Y	110	2,500	2,500	N	2' x 2', larger is charged extra		Approved for concrete, asphalt, and stone. No soil. NO REBAR.
Lamb Canyon Landfill	Riverside, CA	16411 Lamb Canyon Rd. Beaumont, CA	L	III	Y	Y	Y	Y	N	N	500	5,000	50,000	N			TPH at conc limits 50, 100, 1000 used as daily cover

Southern California Edison
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Site Name	County/State	Address & Contact Info	Facility Type		Site Accepts						Total Petroleum Hydrocarbon Limits			Site Accepts Non-Haz limits of PCBs	Size Restriction for Concrete Waste and/or Debris	Days and Hours of Operation for Waste Disposal	Notes
			Landfill (L) Recycler(R) Other (O)	Class	Soil	Concrete	Asphalt	Construction Debris	Non-Friable Asbestos	Out of County Waste	Gasoline Range TPH	Diesel Range TPH	Oil Range TPH				
Maitri Road Recycling (MRR)	Riverside, CA	24980 Maitri Rd, Corona 92883 (951) 277-5915	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N			Accepts drilling mud
Vulcan Materials Company	Riverside, CA	1709 Sherborn St, Corona, CA 92879 (626) 856-6156	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N			
Agua Mansa Landfill	San Bernardino, CA	588 E. Agua Mansa Road Rialto, California 92376 (909) 824-3867	L	III	Y	Y	Y	Y	N	N	110	2,500	2,500	N			WILL NOT ACCEPT WASTE FROM SUBSTATIONS. Phone number is a shared fax line so getting through may take multiple attempts.
Barstow Sanitary Landfill	San Bernardino, CA	32553 Barstow Road, Barstow, CA 92311 (909) 386-8735	L	III	Y	Y	Y	Y	N	N	1,000	10,000	75,000	Y *	N	8AM-4:30PM M-Sat	* Unrestricted disposal (cheaper) equates to Residential HHRA values, lined cell equates to Industrial HHRA values.
Hi Grade Materials	San Bernardino, CA	17671 Bear Valley Road, Hesperia, CA 92345 888.237.8649	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N			
Hi Grade Materials	San Bernardino, CA	8701 Meridian Rd, Lucerne Valley, CA 92356 (34.4123083, -116.9262306) 888.237.8649	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N			
Landers Sanitary Landfill	San Bernardino, CA	59200 Winters Road, Landers, CA 92285 (909) 386-8735	L	III	Y	Y	Y	Y	N	N	1,000	10,000	75,000	Y *	N	8AM-4:30PM M-Sat	* Unrestricted disposal (cheaper) equates to Residential HHRA values, lined cell equates to Industrial HHRA values.
MidValley Landfill	San Bernardino, CA	2390 Alder Avenue, Rialto, CA 92376 (909) 822-4871	L	III	Y	Y	Y	Y	N	N	1,000	10,000	75,000	Y *	N	7AM-5PM M-F 8AM-5PM Sat	* Unrestricted disposal (cheaper) equates to Residential HHRA values, lined cell equates to Industrial HHRA values.
Philadelphia Recycle Mine	San Bernardino, CA	12000 Philadelphia Avenue, Ontario, CA (951) 685-8343	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N			Accepts liquid waste
Robertson's Ready Mix	San Bernardino, CA	2601 Alder Ave, Rialto, CA 92376 (800) 834-7557	R	NA	N	Y	Y	N	N	Y	110	2,500	2,500				
San Timoteo Sanitary Landfill	San Bernardino, CA	San Timoteo Canyon Road, Redlands, CA 92373 (909) 386-8735	L	III	Y	Y	Y	Y	N	N	1,000	10,000	75,000	Y *	N	8AM-5PM M-Sat	* Unrestricted disposal (cheaper) equates to Residential HHRA values, lined cell equates to Industrial HHRA values.
Soil Safe	San Bernardino, CA	13238 Hibiscus Road Adelanto, CA 92301 760.246.4096	R	NA	Y	N	N	N	N	Y	Treament available	Treament available	Treament available	N			Thermal treatment of soil containing TPH, more expensive the higher the TPH levels.
Victorville Landfill	San Bernardino, CA	18600 Stoddard Wells Road, Victorville, CA 909-386-8701	L	III	Y	Y	Y	Y	N	N	1,000	10,000	75,000	Y *	N	8AM-5PM M-Sat	* Unrestricted disposal (cheaper) equates to Residential HHRA values, lined cell equates to Industrial HHRA values.
Tajiguas Sanitary Landfill	Santa Barbara, CA	14470 Calle Real Goleta, CA 93117	L	III	Y	Y	Y	Y	Y	N	50	100	1,000	Y			PCB limit is 0.23 ppm total.
Porterville Rock and Recycle	Tulare, CA	14200 Rd 284, Porterville, CA 93257	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N			
Teapot Dome Landfill	Tulare, CA	21063 Avenue 128 Porterville, CA 93257 559-624-7195	L	III	Y	Y	Y	Y	Y	N	No TPH accepted	No TPH accepted	No TPH accepted	N	No restrictions	Mon-Fri 7am-4pm Saturday 8am-4pm	Clean soil accepted. Extensive analytical needed for potentially impacted soil
Visalia Landfill	Tulare, CA	Road 80 North of Avenue 328 Visalia, CA 559.624.7195	L	III	Y	Y	Y	Y	Y	N	No TPH accepted	No TPH accepted	No TPH accepted	N	No restrictions	Mon-Fri 7am-4pm Saturday 8am-4pm	Clean soil accepted. Extensive analytical needed for potentially impacted soil
Cemex Concrete	Ventura, CA	1430 Santa Clara St, Santa Paula, CA 93060	R	NA	Y	Y	Y	N	N	Y	110	2,500	2,500	N			
Gold Coast Recycling	Ventura, CA	5275 Colt St & Sperry Ave #2, Ventura, CA 93003 (805) 642-9236	R	NA	Y	N	N	N	N	Y	110	2,500	2,500	N		M-Sat 5am-5pm	
Simi Valley Landfill	Ventura, CA	2801 Madera Road Simi Valley, CA 93065	L, R	III	Y	Y	Y	Y	Y	Y	1,000	10,000	50,000	Y			Will accept non-haz levels of arsenic over 12 ppm. Rebar must be stubbed to surface.
State Ready Mix	Ventura, CA	3127 West Los Angeles Ave. Ventura, CA 93030 (805) 672-0200	R	NA	N	Y	Y	N	N	Y	110	2,500	2,500	N		M-F 5am-7pm	

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			Landfill (L) Recycler(R) Other (O)	Class	Soil	Concrete	Asphalt	Construction Debris	Non-Friable Asbestos	Out of County Waste	Gasoline Range TPH	Diesel Range TPH	Oil Range TPH				
Toland Road Landfill	Ventura, CA	3500 North Toland Road Santa Paula, CA 93060	L	III	Y	Y	Y	Y	N	N	NA	NA	NA	N		M-F 9am-2pm	Only accepts commercial loads processed through a Ventura County transfer station or materials recycling facility and originating from zip codes 93015, 93016, 93060, 93061, or 93040.
Apex Regional Landfill Republic Services	Clark County NV	13550 N. Highway 93, Las Vegas, NV 702.735.5151	L		Y	Y	Y	Y	N	NA	NA	NA	NA	N			
Las Vegas Paving	Clark County NV	4420 S. Decatur Blvd (Corp. Office), Las Vegas, NV 702.251.5800	R	NA	Y	Y	Y	N	N	NA	No TPH in concrete	No TPH in concrete	No TPH in concrete	N			
Laughlin Regional Landfill (Republic Services)	Clark County NV	Needles Highway, 1/4 mile South of Highway 163, Laughlin, NV 702.735.5151	L		Y	Y	Y	Y	N	NA	NA	NA	NA	N			Rob Tidwell 702 599 5907
Tonopah Landfill	Clark County NV	377 Jackson Street Tonopah, NV 89049 Ph: (775) 482-8135	L		Y	Y	Y	Y	y	NA	100	100	100	N			No liquids
La Paz County Regional Landfill	La Paz, AZ	26999 Highway 95, Milepost 128 Parker, AZ 85344 928.669.8886	L		Y	Y	Y	Y	y	NA	NA	NA	NA	N			

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 39 (B-18):

If engineered fill would be used as backfill, provide information as to the type of engineered backfill and the amount that would be typically used (e.g., the top two feet would be filled with thermal-select backfill).

The PEA identifies that trenching for fiber optic installation will be a minimum of 36 inches deep and conduit will be covered with approximately 30 inches of concrete slurry. Conduit installation for underground distribution cables is don't described except for the size of the trench.

A. Please identify whether engineered backfill will be used and the amount. Also, describe the underground distribution trench construction and how the trench will be filled and finished.

Response to Question 39 (B-18):

SCE does not propose to use any engineered backfill for any distribution and/or telecom trenching and covering activities.

For the distribution/telecom joint trench Construction, SCE normally digs a 42" deep trench and places a 1" base of sand. On top of the base, four - 5" conduits are placed. After the conduits are placed, a minimum of 3" of cover with 1-1/2 sack of concrete slurry is poured. The rest of the trench can be filled/covered with native soil if allowed by the permit otherwise we would also use slurry mix to back fill the rest. Engineered backfill is typically not used to backfill a distribution trench.

For the telecom or distribution trench construction, SCE normally digs a 36" deep trench and places a 1" base of sand. On top of the base, four - 5" conduits are placed. After the conduits are placed, a minimum of 3" of cover with 1-1/2 sack of concrete slurry is poured. The rest of the trench can be filled/covered with native soil if allowed by the permit otherwise we would also use slurry mix to back fill the rest. Engineered backfill is typically not used to backfill a telecom or distribution trench.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Ruben Mazzei
Title: Civil Engineer
Dated: 07/17/2018

Question 40 (B-18):

Describe if dewatering would be anticipated, if so, how the trench would be dewatered, what are the anticipated flows of the water, would there be treatment, and how would the water be disposed.

The PEA does not identify whether dewatering is anticipated.

A. Please identify if trench dewatering is anticipated to be required anywhere on the project. If so, please describe how the water would be handled, treated, and disposed.

Response to Question 40 (B-18):

Shallow groundwater is not expected to be encountered during trenching activities for Fiber Optic and Distribution work. However, in the event that construction dewatering is necessary, requirements for discharges associated with construction dewatering by the local Regional Water Quality Control Board or agency with jurisdiction will be followed. If a permit will be required, the permit will be obtained prior to performing groundwater dewatering activities. Collected uncontaminated groundwater is encouraged to be reused on the site as water to control dust. Efforts will be made not to over-apply the water to avoid surface runoff.

Additionally, as demonstrated in the attached document, the SWPP and Erosion Control plans will identify a BMP called "Dewatering Operations", "NS-2" provided by CASQA.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Rey Gonzales
Title: Environmental Project Manager
Dated: 07/17/2018

Question 41 (B-18):

Describe any standard BMPs that would be implemented.

The PEA identifies that SWPPS containing BMPs and an HMMP would be implemented during construction. Standard BMPs are not enumerated in the PEA.

A. Please identify and describe the BMPs SCE anticipates including in SWPPS to address contamination encountered during trenching.

Response to Question 41 (B-18):

In the event contaminated soils are encountered, the contaminated soils will be stockpiled on Visqueen and covered with Visqueen to prevent coming into contact with storm water, or removed and placed in SCE-provided above ground storage tanks. Stockpiles will not be placed within concentrated flow areas or within 50 feet of storm drain inlets and drainage. Samples will be collected from the stockpiles for proper waste characterization.

If waste is characterized as non-hazardous, the waste will not require any special handling, and the contractor will coordinate disposal at an SCE-approved facility and provide SCE with a copy of the shipping document. If waste is characterized as hazardous, the contractor will transport and dispose of hazardous waste at an SCE-approved facility (Please see Deficiency Response #38) in accordance with all applicable regulations.

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 42 (B-20):

Describe the crew deployment, would crews work concurrently (i.e., multiple crews at different sites); would they be phased, etc.

The PEA provides estimated range of total daily construction personnel on the project (15 to 346, average 159), but does not associate it with crews or phasing.
A. Please describe crew deployment and overall phasing of work activities. Include which activities would be concurrent or continuous, and which would be undertaken in phases.

Response to Question 42 (B-20):

Please see "Attach 3-C" which is attached and located in Chapter 3 of the PEA and Section 3.7 Construction of Chapter 3 which describes the individual construction activities associated with the Proposed Project. Additionally, please see file "Attach B611-Construction Schedule Summary" which provides additional construction related information in terms of schedule summary, construction workforce, and construction sequencing.

File Attachments
Attachment: ELM_Q#42, Q#43_3.75 Const, Work&Equip_Attach 3-C_20180716
Attachment: ELM_Q#42, Q#43_3.75 Const, W&E_Attach B611-Construction Schedule Summary_20180625

ATTACHMENT 3-C: CONSTRUCTION EQUIPMENT AND WORKFORCE ESTIMATES

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors												
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Scissor Lift	40	3	10	--	Aerial Lifts	50	6	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Foreman's Truck	40	1	10	Passenger	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Job Site Utility Cart	35	1	10	Passenger	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Test Truck	40	1	10	Delivery	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Tool Truck	35	1	10	Delivery	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Worker Commute Automobile	40	10	10	Passenger	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	250-Ton Hydraulic Crane	15	1	5	--	Cranes	450	5	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	500-Gallon Water Buffalo with Truck	15	1	5	--	Off-Highway Trucks	185	5	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Bobcat Skid Steer	15	1	5	--	Skid Steer Loaders	93	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Bobcat with Auger	15	1	5	--	Skid Steer Loaders	93	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Bobcat with Sweeper	15	1	5	--	Skid Steer Loaders	93	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Ditch Witch	20	1	5	--	Trenchers	42	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Mini Excavator	15	1	5	--	Excavators	50	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	10-Cubic-Yard Dump Truck	20	3	5	HHDT	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	4,000-Gallon Water Truck	20	3	5	HHDT	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Foreman's Truck	15	1	5	Passenger	--	--	--	0	100	54	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Job Site Utility Cart	15	1	5	Passenger	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (5 axle)	15	1	5	HHDT	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (7 axle)	15	1	5	HHDT	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Worker Commute Automobile	20	5	5	Passenger	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	135-Foot Manlift	20	1	15	--	Aerial Lifts	75	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	20,000-Pound Forklift	40	1	15	--	Forklifts	150	8	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	27-Ton Boom Truck	40	1	15	--	Cranes	350	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	65-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	85-Foot Manlift	30	1	15	--	Aerial Lifts	75	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Bobcat with Forks	90	2	15	--	Skid Steer Loaders	93	8	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Crane	10	1	15	--	Cranes	350	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Genie 45-Foot Manlift	35	1	15	--	Aerial Lifts	75	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Scissor Lift	95	3	15	--	Aerial Lifts	50	6	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	75	1	15	--	Rough Terrain Forklifts	150	8	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Foreman's Truck	95	1	15	Passenger	--	--	--	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Job Site Utility Cart	95	1	15	Passenger	--	--	--	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Tool Truck	95	1	15	Delivery	--	--	--	0	100	66	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Worker Commute Automobile	95	15	15	Passenger	--	--	--	0	100	66	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	140 Motor Grader	25	1	12	--	Graders	250	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	250-Ton Hydraulic Crane	30	1	12	--	Cranes	450	5	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	50,000-Pound Excavator /Breaker	30	1	12	--	Excavators	200	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	500-Gallon Water Buffalo with Truck	90	1	12	--	Off-Highway Trucks	185	5	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	75,000-Pound Excavator	30	1	12	--	Excavators	350	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	84-Inch Vibratory Roller Compactor	35	2	12	--	Rollers	130	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Bobcat Compactor	50	1	12	--	Skid Steer Loaders	93	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Bobcat Skid Steer	90	1	12	--	Skid Steer Loaders	93	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Bobcat with Auger	90	1	12	--	Skid Steer Loaders	93	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Bobcat with Sweeper	90	1	12	--	Skid Steer Loaders	93	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Cat 623 Scraper	30	1	12	--	Graders	400	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Cat 950 Loader	40	1	12	--	Tractors/Loaders/ Backhoes	130	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	D-6 Cat Dozer	40	1	12	--	Crawler Tractors	215	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Ditch Witch	50	1	12	--	Trenchers	42	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	LoDrill Over 50,000 Pounds	20	1	12	--	Bore/Drill Rigs	350	5	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	LoDrill up to 50,000 Pounds	30	1	12	--	Bore/Drill Rigs	200	5	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Mini Excavator	50	1	12	--	Excavators	50	8	100	0	73	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Premiertrak 300 Rock Crusher	10	1	12	--	Crushing/Proc. Equipment	280	9	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Skip Loader	100	1	12	--	Tractors/Loaders/ Backhoes	150	4	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Vermeer RT-450 Trencher	30	1	12	--	Trenchers	50	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	10-Cubic-Yard Dump Truck	100	3	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	4,000-Gallon Water Truck	100	3	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Foreman's Truck	90	1	12	Passenger	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Job Site Utility Cart	90	1	12	Passenger	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Low Bed Equipment Hauler (5 axle)	40	1	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Low Bed Equipment Hauler (7 axle)	40	1	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Low Side End Dump	100	3	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Tool Truck	50	1	12	Delivery	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Worker Commute Automobile	100	12	12	Passenger	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Scissor Lift	50	3	10	--	Aerial Lifts	50	6	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Foreman’s Truck	50	1	10	Passenger	--	--	--	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Job Site Utility Cart	50	1	10	Passenger	--	--	--	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Test Truck	50	1	10	Delivery	--	--	--	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Tool Truck	50	1	10	Delivery	--	--	--	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Worker Commute Automobile	50	10	10	Passenger	--	--	--	100	0	0	34

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Ludlow Series Cap- SC5 – Grading	140 Motor Grader	25	1	12	--	Graders	250	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	250-Ton Hydraulic Crane	30	1	12	--	Cranes	450	5	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	50,000-Pound Excavator /Breaker	30	1	12	--	Excavators	200	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	500-Gallon Water Buffalo with Truck	90	1	12	--	Off-Highway Trucks	185	5	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	75,000-Pound Excavator	30	1	12	--	Excavators	350	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	84-Inch Vibratory Roller Compactor	35	2	12	--	Rollers	130	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Bobcat Compactor	50	1	12	--	Skid Steer Loaders	93	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Bobcat Skid Steer	90	1	12	--	Skid Steer Loaders	93	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Bobcat with Auger	90	1	12	--	Skid Steer Loaders	93	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Bobcat with Sweeper	90	1	12	--	Skid Steer Loaders	93	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Cat 623 Scraper	30	1	12	--	Graders	400	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Cat 950 Loader	40	1	12	--	Tractors/Loaders/ Backhoes	130	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	D-6 Cat Dozer	40	1	12	--	Crawler Tractors	215	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Ditch Witch	50	1	12	--	Trenchers	42	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	LoDrill Over 50,000 Pounds	20	1	12	--	Bore/Drill Rigs	350	5	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	LoDrill up to 50,000 Pounds	30	1	12	--	Bore/Drill Rigs	200	5	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Mini Excavator	50	1	12	--	Excavators	50	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Premiertrak 300 Rock Crusher	10	1	12	--	Crushing/Proc. Equipment	280	9	100	0	60	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Ludlow Series Cap- SC5 – Grading	Skip Loader	100	1	12	--	Tractors/Loaders/ Backhoes	150	4	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Vermeer RT-450 Trencher	30	1	12	--	Trenchers	50	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	10-Cubic-Yard Dump Truck	100	3	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	4,000-Gallon Water Truck	100	3	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Foreman's Truck	90	1	12	Passenger	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Job Site Utility Cart	90	1	12	Passenger	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Low Bed Equipment Hauler (5 axle)	40	1	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Low Bed Equipment Hauler (7 axle)	40	1	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Low Side End Dump	100	3	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Tool Truck	50	1	12	Delivery	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Worker Commute Automobile	100	12	12	Passenger	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	135-Foot Manlift	20	1	20	--	Aerial Lifts	75	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	20,000-Pound Forklift	40	1	20	--	Forklifts	150	8	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	27-Ton Boom Truck	60	1	20	--	Cranes	350	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	65-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	85-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Bobcat with Forks	100	2	20	--	Skid Steer Loaders	93	8	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Crane	20	1	20	--	Cranes	350	5	100	0	83	53

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Generator	100	1	20	--	Generator Sets	50	12	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Genie 45-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Scissor Lift	100	3	20	--	Aerial Lifts	50	6	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	85	1	20	--	Rough Terrain Forklifts	150	8	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	65	1	20	--	Rough Terrain Forklifts	150	8	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Foreman's Truck	100	1	20	Passenger	--	--	--	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Job Site Utility Cart	100	1	20	Passenger	--	--	--	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Tool Truck	100	1	20	Delivery	--	--	--	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Worker Commute Automobile	100	20	20	Passenger	--	--	--	100	0	83	53
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Foreman's Truck	35	1	6	Passenger	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Job Site Utility Cart	35	1	6	Passenger	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Test Truck	35	1	6	Delivery	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Tool Truck	35	1	6	Delivery	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Worker Commute Automobile	35	6	6	Passenger	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	250-Ton Hydraulic Crane	30	1	5	--	Cranes	450	5	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	500-Gallon Water Buffalo with Truck	30	1	5	--	Off-Highway Trucks	185	5	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Bobcat Skid Steer	30	1	5	--	Skid Steer Loaders	93	8	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Bobcat with Auger	30	1	5	--	Skid Steer Loaders	93	8	100	0	48	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Bobcat with Sweeper	30	1	5	--	Skid Steer Loaders	93	8	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	10-Cubic-Yard Dump Truck	30	3	5	HHDT	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	4,000 Water Truck	30	3	5	HHDT	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Foreman's Truck	30	1	5	Passenger	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Job site Utility Cart	30	1	5	Passenger	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (5 axle)	20	1	5	HHDT	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (7 axle)	20	1	5	HHDT	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Worker Commute Automobile	30	5	5	Passenger	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	135-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	20,000-Pound Forklift	50	1	15	--	Forklifts	150	8	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	27-Ton Boom Truck	50	1	15	--	Cranes	350	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	65-Foot Manlift	50	1	15	--	Aerial Lifts	75	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	85-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Bobcat with Forks	50	2	15	--	Skid Steer Loaders	93	8	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Crane	20	1	15	--	Cranes	350	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Genie 45-Foot Manlift	50	1	15	--	Aerial Lifts	75	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Scissor Lift	50	3	15	--	Aerial Lifts	50	6	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	100	0	53	13

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Foreman's Truck	50	1	15	Passenger	--	--	--	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Job Site Utility Cart	50	1	15	Passenger	--	--	--	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Tool Truck	50	1	15	Delivery	--	--	--	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Worker Commute Automobile	50	15	15	Passenger	--	--	--	100	0	53	13
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Foreman's Truck	35	1	6	Passenger	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Job Site Utility Cart	35	1	6	Passenger	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Test Truck	35	1	6	Delivery	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Tool Truck	35	1	6	Delivery	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Worker Commute Automobile	35	6	6	Passenger	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	250-Ton Hydraulic Crane	30	1	5	--	Cranes	450	5	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	500-Gallon Water Buffalo with Truck	30	1	5	--	Off-Highway Trucks	185	5	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Bobcat Skid Steer	30	1	5	--	Skid Steer Loaders	93	8	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Bobcat with Auger	30	1	5	--	Skid Steer Loaders	93	8	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Bobcat with Sweeper	30	1	5	--	Skid Steer Loaders	93	8	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	10-Cubic-Yard Dump Truck	30	3	5	HHDT	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	4,000 Water Truck	30	3	5	HHDT	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Foreman's Truck	30	1	5	Passenger	--	--	--	100	0	56	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Job site Utility Cart	30	1	5	Passenger	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (5 axle)	20	1	5	HHDT	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (7 axle)	20	1	5	HHDT	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Worker Commute Automobile	30	5	5	Passenger	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	135-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	20,000-Pound Forklift	50	1	15	--	Forklifts	150	8	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	27-Ton Boom Truck	50	1	15	--	Cranes	350	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	65-Foot Manlift	50	1	15	--	Aerial Lifts	75	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	85-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Bobcat with Forks	50	2	15	--	Skid Steer Loaders	93	8	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Crane	20	1	15	--	Cranes	350	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Genie 45-Foot Manlift	50	1	15	--	Aerial Lifts	75	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Scissor Lift	50	3	15	--	Aerial Lifts	50	6	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Foreman's Truck	50	1	15	Passenger	--	--	--	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Job Site Utility Cart	50	1	15	Passenger	--	--	--	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Tool Truck	50	1	15	Delivery	--	--	--	100	0	41	37

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Worker Commute Automobile	50	15	15	Passenger	--	--	--	100	0	41	37
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	250-Ton Hydraulic Crane	30	1	10	--	Cranes	450	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	50,000-Pound Excavator /Breaker	30	1	10	--	Excavators	200	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	500-Gallon Water Buffalo with Truck	90	1	10	--	Off-Highway Trucks	185	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	75,000-Pound Excavator	30	1	10	--	Excavators	350	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	84-Inch Vibratory Roller Compactor	35	1	10	--	Rollers	130	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Bobcat Compactor	50	1	10	--	Skid Steer Loaders	93	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Bobcat Skid Steer	90	1	10	--	Skid Steer Loaders	93	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Bobcat with Auger	90	1	10	--	Skid Steer Loaders	93	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Bobcat with Sweeper	90	1	10	--	Skid Steer Loaders	93	4	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Cat 950 Loader	40	1	10	--	Tractors/Loaders/ Backhoes	130	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	D-6 Cat Dozer	40	1	10	--	Crawler Tractors	215	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Ditch Witch	50	1	10	--	Trenchers	42	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Drill Rig	50	1	10	--	Bore/Drill Rigs	500	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Excavator with Breaker	50	1	10	--	Excavators	524	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	LoDrill Over 50,000 Pounds	20	1	10	--	Bore/Drill Rigs	350	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	LoDrill up to 50,000 Pounds	30	1	10	--	Bore/Drill Rigs	200	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Mini Excavator	50	1	10	--	Excavators	50	5	0	100	80	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Motor Grader	25	1	10	--	Graders	250	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Skip Loader	90	1	10	--	Tractors/Loaders/ Backhoes	150	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Vermeer RT-450 Trencher	30	1	10	--	Trenchers	50	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	10 Cubic Yard Dump Truck	90	3	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	4,000-Gallon Water Truck	90	3	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	8,000-Gallon Water Pull	40	1	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Foreman's Truck	90	1	10	Passenger	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Job Site Utility Cart	90	1	10	Passenger	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Low Bed Equipment Hauler (5 axle)	40	1	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Low Bed Equipment Hauler (7 axle)	40	1	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Low Side End Dump	90	3	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Tool Truck	50	1	10	Delivery	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Worker Commute	90	10	10	Passenger	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Scissor Lift	50	3	6	--	Aerial Lifts	50	6	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Foreman's Truck	50	1	6	Passenger	--	--	--	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Job Site Utility Cart	50	1	6	Passenger	--	--	--	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Test Truck	40	1	6	Delivery	--	--	--	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Tool Truck	50	1	6	Delivery	--	--	--	0	100	38	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Worker Commute Automobile	50	6	6	Passenger	--	--	--	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	250-Ton Hydraulic Crane	30	1	10	--	Cranes	450	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	50,000-Pound Excavator /Breaker	30	1	10	--	Excavators	200	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	500-Gallon Water Buffalo with Truck	90	1	10	--	Off-Highway Trucks	185	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	75,000-Pound Excavator	30	1	10	--	Excavators	350	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	84-Inch Vibratory Roller Compactor	35	1	10	--	Rollers	130	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Bobcat Compactor	50	1	10	--	Skid Steer Loaders	93	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Bobcat Skid Steer	90	1	10	--	Skid Steer Loaders	93	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Bobcat with Auger	90	1	10	--	Skid Steer Loaders	93	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Bobcat with Sweeper	90	1	10	--	Skid Steer Loaders	93	4	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Cat 950 Loader	40	1	10	--	Tractors/Loaders/ Backhoes	130	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	D-6 Cat Dozer	40	1	10	--	Crawler Tractors	215	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Ditch Witch	50	1	10	--	Trenchers	42	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Drill Rig	50	1	10	--	Bore/Drill Rigs	500	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Excavator with Breaker	50	1	10	--	Excavators	524	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	LoDrill Over 50,000 Pounds	20	1	10	--	Bore/Drill Rigs	350	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	LoDrill up to 50,000 Pounds	30	1	10	--	Bore/Drill Rigs	200	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Mini Excavator	50	1	10	--	Excavators	50	5	0	100	26	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Motor Grader	25	1	10	--	Graders	250	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Skip Loader	90	1	10	--	Tractors/Loaders/ Backhoes	150	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Vermeer RT-450 Trencher	30	1	10	--	Trenchers	50	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	10 Cubic Yard Dump Truck	90	3	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	4,000-Gallon Water Truck	90	3	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	8,000-Gallon Water Pull	40	1	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Foreman's Truck	90	1	10	Passenger	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Job Site Utility Cart	90	1	10	Passenger	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (5 axle)	40	1	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (7 axle)	40	1	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Low Side End Dump	90	3	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Tool Truck	50	1	10	Delivery	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Worker Commute Automobile	90	10	10	Passenger	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	135-Foot Manlift	20	1	15	--	Aerial Lifts	75	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	20,000-Pound Forklift	40	1	15	--	Forklifts	150	8	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	27-Ton Boom Truck	60	1	15	--	Cranes	350	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	65-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	85-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	0	100	108	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Bobcat with Forks	90	2	15	--	Skid Steer Loaders	93	8	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Crane	20	1	15	--	Cranes	350	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Generator	90	1	15	--	Generator Sets	50	12	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Genie 45-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Scissor Lift	90	3	15	--	Aerial Lifts	50	6	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	85	1	15	--	Rough Terrain Forklifts	150	8	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	65	1	15	--	Rough Terrain Forklifts	150	8	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Foreman's Truck	90	1	15	Passenger	--	--	--	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Job Site Utility Cart	90	1	15	Passenger	--	--	--	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Tool Truck	90	1	15	Delivery	--	--	--	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Worker Commute Automobile	90	15	15	Passenger	--	--	--	0	100	108	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	140 Motor Grader	25	1	12	--	Graders	250	8	100	0	88	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	250-Ton Hydraulic Crane	30	1	12	--	Cranes	450	5	100	0	88	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	50,000-Pound Excavator /Breaker	30	1	12	--	Excavators	200	8	100	0	88	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	500-Gallon Water Buffalo w/ Truck	90	1	12	--	Off-Highway Trucks	185	5	100	0	88	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	75,000-Pound Excavator	30	1	12	--	Excavators	350	8	100	0	88	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	84-Inch Vibratory Roller Compactor	35	2	12	--	Rollers	130	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Bobcat Compactor	50	1	12	--	Skid Steer Loaders	93	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Bobcat Skid Steer	90	1	12	--	Skid Steer Loaders	93	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Bobcat with Auger	90	1	12	--	Skid Steer Loaders	93	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Bobcat with Sweeper	90	1	12	--	Skid Steer Loaders	93	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Cat 623 Scraper	30	1	12	--	Graders	400	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Cat 950 Loader	40	1	12	--	Tractors/Loaders/ Backhoes	130	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	D-6 Cat Dozer	40	1	12	--	Crawler Tractors	215	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Ditch Witch	50	1	12	--	Trenchers	42	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	LoDrill Over 50,000 Pounds	20	1	12	--	Bore/Drill Rigs	350	5	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	LoDrill up to 50,000 Pounds	30	1	12	--	Bore/Drill Rigs	200	5	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Mini Excavator	50	1	12	--	Excavators	50	8	100	0	88	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Premiertak 300 Rock Crusher	10	1	12	--	Crushing/Proc. Equipment	280	9	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Skip Loader	100	1	12	--	Tractors/Loaders/ Backhoes	150	4	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Vermeer RT-450 Trencher	30	1	12	--	Trenchers	50	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	10-Cubic-Yard Dump Truck	100	3	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	4,000-Gallon Water Truck	100	3	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Foreman's Truck	90	1	12	Passenger	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Job Site Utility Cart	90	1	12	Passenger	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Low Bed Equipment Hauler (5 axle)	40	1	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Low Bed Equipment Hauler (7 axle)	40	1	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Low Side End Dump	100	3	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Tool Truck	50	1	12	Delivery	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Worker Commute Automobile	100	12	12	Passenger	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Scissor Lift	35	3	10	--	Aerial Lifts	50	6	100	0	0	28

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Foreman's Truck	35	1	10	Passenger	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Job Site Utility Cart	35	1	10	Passenger	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Test Truck	35	1	10	Delivery	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Tool Truck	35	1	10	Delivery	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Worker Commute Automobile	35	10	10	Passenger	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 – Grading	140 Motor Grader	25	1	12	--	Graders	250	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	250-Ton Hydraulic Crane	30	1	12	--	Cranes	450	5	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	50,000-Pound Excavator /Breaker	30	1	12	--	Excavators	200	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	500-Gallon Water Buffalo w/ Truck	90	1	12	--	Off-Highway Trucks	185	5	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	75,000-Pound Excavator	30	1	12	--	Excavators	350	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	84-Inch Vibratory Roller Compactor	35	2	12	--	Rollers	130	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Bobcat Compactor	50	1	12	--	Skid Steer Loaders	93	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Bobcat Skid Steer	90	1	12	--	Skid Steer Loaders	93	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Bobcat with Auger	90	1	12	--	Skid Steer Loaders	93	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Bobcat with Sweeper	90	1	12	--	Skid Steer Loaders	93	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Cat 623 Scraper	30	1	12	--	Graders	400	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Cat 950 Loader	40	1	12	--	Tractors/Loaders/ Backhoes	130	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	D-6 Cat Dozer	40	1	12	--	Crawler Tractors	215	8	100	0	46	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Ditch Witch	50	1	12	--	Trenchers	42	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	LoDrill Over 50,000 Pounds	20	1	12	--	Bore/Drill Rigs	350	5	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	LoDrill up to 50,000 Pounds	30	1	12	--	Bore/Drill Rigs	200	5	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Mini Excavator	50	1	12	--	Excavators	50	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Premiertak 300 Rock Crusher	10	1	12	--	Crushing/Proc. Equipment	280	9	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Skip Loader	100	1	12	--	Tractors/Loaders/ Backhoes	150	4	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Vermeer RT-450 Trencher	30	1	12	--	Trenchers	50	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	10-Cubic-Yard Dump Truck	100	3	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	4,000-Gallon Water Truck	100	3	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Foreman's Truck	90	1	12	Passenger	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Job Site Utility Cart	90	1	12	Passenger	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Low Bed Equipment Hauler (5 axle)	40	1	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Low Bed Equipment Hauler (7 axle)	40	1	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Low Side End Dump	100	3	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Tool Truck	50	1	12	Delivery	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Worker Commute Automobile	100	12	12	Passenger	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	135-Foot Manlift	20	1	20	--	Aerial Lifts	75	5	100	0	101	40

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	20,000-Pound Forklift	40	1	20	--	Forklifts	150	8	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	27-Ton Boom Truck	60	1	20	--	Cranes	350	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	65-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	85-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Bobcat with Forks	100	2	20	--	Skid Steer Loaders	93	8	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Crane	20	1	20	--	Cranes	350	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Generator	100	1	20	--	Generator Sets	50	10	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Genie 45-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Scissor Lift	100	3	20	--	Aerial Lifts	50	6	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	85	1	20	--	Rough Terrain Forklifts	150	8	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	65	1	20	--	Rough Terrain Forklifts	150	8	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Foreman's Truck	100	1	20	Passenger	--	--	--	100	0	101	40

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Job Site Utility Cart	100	1	20	Passenger	--	--	--	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Tool Truck	100	1	20	Delivery	--	--	--	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Worker Commute Automobile	100	20	20	Passenger	--	--	--	100	0	101	40
Transmission												
Transmission - 500 kV - Survey (1)	1-Ton Truck, 4x4	90	2	8	Passenger	--	--	--	75	25	236	156
Transmission - 500 kV - Survey (1)	Worker Commute Automobile	90	8	8	Passenger	--	--	--	75	25	236	156
Transmission - 500 kV - Fiber Splicing and Termination	1-Ton Truck, 4x4	60	1	5	Passenger	--	--	--	75	25	184	132
Transmission - 500 kV - Fiber Splicing and Termination	Medium Duty Splicing Lab Truck	60	2	5	Delivery	--	--	--	75	25	184	132
Transmission - 500 kV - Fiber Splicing and Termination	Worker Commute Automobile	60	5	5	Passenger	--	--	--	75	25	184	132
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Auger Truck	30	1	6	--	Bore/Drill Rigs	210	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Boom/Crane Truck	30	1	6	--	Cranes	350	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Compressor Trailer	30	1	6	--	Air Compressors	60	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Digger Derrick 6060	30	2	6	--	Bore/Drill Rigs	300	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Manlift/Bucket Truck	30	1	6	--	Aerial Lifts	250	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	1-Ton Truck, 4x4	30	1	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	3/4-Ton Truck, 4x4	30	1	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Extendable Flat Bed Pole Truck	30	1	6	HHDT	--	--	--	95	5	66	53

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Worker Commute Automobile	30	6	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Boom/Crane Truck	20	1	6	--	Cranes	350	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Compressor Trailer	20	1	6	--	Air Compressors	60	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Digger Derrick 6060	20	2	6	--	Bore/Drill Rigs	300	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Manlift/Bucket Truck	20	1	6	--	Aerial Lifts	250	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	1-Ton Truck, 4x4	20	1	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	3/4-Ton Truck, 4x4	20	1	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Extendable Flat Bed Pole Truck	20	1	6	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Worker Commute Automobile	20	6	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Install Underground Fiber	Manlift/Bucket Truck	15	3	5	--	Aerial Lifts	250	6	100	0	80	0
Transmission - 500 kV - Lugo-Moh - Install Underground Fiber	Wire Truck/Trailer	15	1	5	--	Other Construction Equipment	10	6	100	0	80	0
Transmission - 500 kV - Lugo-Moh - Install Underground Fiber	1-Ton Truck, 4x4	15	1	5	Passenger	--	--	--	100	0	80	0
Transmission - 500 kV - Lugo-Moh - Install Underground Fiber	Worker Commute Automobile	15	5	5	Passenger	--	--	--	100	0	80	0
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Backhoe/Front Loader	8	1	5	--	Tractors/Loaders/ Backhoes	200	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Drum Type Compactor	8	1	5	--	Rollers	100	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Excavator	4	1	5	--	Excavators	160	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Motor Grader	8	1	5	--	Graders	250	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Track Type Dozer	8	1	5	--	Crawler Tractors	150	4	95	5	66	53

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	1-Ton Truck, 4x4	8	1	5	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Lowboy Truck/Trailer	8	1	5	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Water Truck	8	1	5	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Worker Commute	8	5	5	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Backhoe/Front Loader	82	1	5	--	Tractors/Loaders/ Backhoes	200	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Motor Grader	82	1	5	--	Graders	250	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Track Type Dozer	82	1	5	--	Crawler Tractors	150	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	1-Ton Truck, 4x4	82	1	5	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Lowboy Truck/Trailer	82	1	5	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Water Truck	82	1	5	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Worker Commute Automobile	82	5	5	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Hughes 530F Helicopter	210	4	44	--	--	NA	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Backhoe/Front Loader	210	1	44	--	Tractors/Loaders/ Backhoes	200	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Boom/Crane Truck	210	2	44	--	Cranes	350	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Bullwheel Puller	150	1	44	--	Other Construction Equipment	350	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	D8 Cat	210	2	44	--	Crawler Tractors	350	2	95	5	66	53

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Manlift/Bucket Truck	210	4	44	--	Aerial Lifts	250	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	R/T Crane (M)	210	2	44	--	Cranes	215	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Sag Cat w/ 2 winches	105	2	44	--	Crawler Tractors	350	2	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Skid Steer Mulcher	210	2	44	--	Tractors/Loaders/ Backhoes	110	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Static Truck/ Tensioner	210	1	44	--	Other Construction Equipment	350	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Wire Truck/Trailer	150	4	44	--	Other Construction Equipment	10	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	1-Ton Truck, 4x4	210	6	44	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	3/4-Ton Truck, 4x4	210	4	44	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Dump Truck	210	1	44	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Fuel, Helicopter Support Truck	210	4	44	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Lowboy Truck/Trailer	210	3	44	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Splicing Lab	210	2	44	Passenger	--	--	--	95	5	66	53

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Worker Commute Automobile	210	44	44	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Backhoe/Front Loader	82	1	7	--	Tractors/Loaders/ Backhoes	200	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Drum Type Compactor	82	1	7	--	Rollers	100	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Motor Grader	82	1	7	--	Graders	250	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	1-Ton Truck, 4x4	82	2	7	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Lowboy Truck/Trailer	82	1	7	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Water Truck	82	1	7	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Worker Commute	82	7	7	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Marshalling Yard (2)	Boom/Crane Truck	78	1	4	--	Cranes	350	2	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	R/T Forklift	78	1	4	--	Rough Terrain Forklifts	125	6	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	1-Ton Truck, 4x4	78	1	4	Passenger	--	--	--	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	Truck, Semi-Tractor	78	1	4	HHDT	--	--	--	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	Water Truck	78	1	4	HHDT	--	--	--	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	Worker Commute Automobile	78	4	4	Passenger	--	--	--	75	25	79	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Auger Truck	30	1	6	--	Bore/Drill Rigs	210	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Boom/Crane Truck	30	1	6	--	Cranes	350	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Compressor Trailer	30	1	6	--	Air Compressors	60	4	0	100	54	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Digger Derrick 6060	30	2	6	--	Bore/Drill Rigs	300	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Manlift/Bucket Truck	30	1	6	--	Aerial Lifts	250	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	1-Ton Truck, 4x4	30	1	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	3/4-Ton Truck, 4x4	30	1	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Extendable Flat Bed Pole Truck	30	1	6	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Worker Commute Automobile	30	6	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Boom/Crane Truck	20	1	6	--	Cranes	350	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Compressor Trailer	20	1	6	--	Air Compressors	60	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Digger Derrick 6060	20	2	6	--	Bore/Drill Rigs	300	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Manlift/Bucket Truck	20	1	6	--	Aerial Lifts	250	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	1-Ton Truck, 4x4	20	1	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	3/4-Ton Truck, 4x4	20	1	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Extendable Flat Bed Pole Truck	20	1	6	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Worker Commute Automobile	20	6	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Auger Truck	20	1	7	--	Bore/Drill Rigs	210	6	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Backhoe/Front Loader	20	1	7	--	Tractors/Loaders/ Backhoes	200	6	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Boom/Crane Truck	20	1	7	--	Cranes	350	4	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	3/4-Ton Truck, 4x4	20	2	7	Passenger	--	--	--	0	100	7	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Concrete Mixer Truck	15	3	7	HHDT	--	--	--	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Dump Truck	20	1	7	HHDT	--	--	--	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Water Truck	20	1	7	HHDT	--	--	--	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Worker Commute Automobile	20	7	7	Passenger	--	--	--	0	100	7	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Backhoe/Front Loader	8	1	5	--	Tractors/Loaders/ Backhoes	200	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Drum Type Compactor	8	1	5	--	Rollers	100	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Excavator	4	1	5	--	Excavators	160	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Motor Grader	8	1	5	--	Graders	250	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Track Type Dozer	8	1	5	--	Crawler Tractors	150	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	1-Ton Truck, 4x4	8	1	5	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Lowboy Truck/Trailer	8	1	5	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Water Truck	8	1	5	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Worker Commute	8	5	5	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Backhoe/Front Loader	82	1	5	--	Tractors/Loaders/ Backhoes	200	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Motor Grader	82	1	5	--	Graders	250	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Track Type Dozer	82	1	5	--	Crawler Tractors	150	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	1-Ton Truck, 4x4	82	1	5	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Lowboy Truck/Trailer	82	1	5	HHDT	--	--	--	0	100	54	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Moh-Eld - R/W Clearing	Water Truck	82	1	5	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Worker Commute Automobile	82	5	5	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Hughes 530F Helicopter	210	4	44	--	--	NA	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Backhoe/Front Loader	210	1	44	--	Tractors/Loaders/ Backhoes	200	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Boom/Crane Truck	210	2	44	--	Cranes	350	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Bullwheel Puller	150	1	44	--	Other Construction Equipment	350	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	D8 Cat	210	2	44	--	Crawler Tractors	350	2	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Manlift/Bucket Truck	210	4	44	--	Aerial Lifts	250	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	R/T Crane (M)	210	2	44	--	Cranes	215	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Sag Cat w/ 2 winches	105	2	44	--	Crawler Tractors	350	2	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Skid Steer Mulcher	210	2	44	--	Tractors/Loaders/ Backhoes	110	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Static Truck/ Tensioner	210	1	44	--	Other Construction Equipment	350	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Wire Truck/Trailer	150	4	44	--	Other Construction Equipment	10	6	0	100	54	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	1-Ton Truck, 4x4	210	6	44	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	3/4-Ton Truck, 4x4	210	4	44	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Dump Truck	210	1	44	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Fuel, Helicopter Support Truck	210	4	44	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Lowboy Truck/Trailer	210	3	44	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Splicing Lab	210	2	44	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Worker Commute Automobile	210	44	44	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Backhoe/Front Loader	82	1	7	--	Tractors/Loaders/ Backhoes	200	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Drum Type Compactor	82	1	7	--	Rollers	100	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Motor Grader	82	1	7	--	Graders	250	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	1-Ton Truck, 4x4	82	2	7	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Lowboy Truck/Trailer	82	1	7	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Water Truck	82	1	7	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Worker Commute Automobile	82	7	7	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Overhead Conductor Modifications	Manlift/Bucket Truck	6	3	5	--	Aerial Lifts	250	6	100	0	79	1

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Overhead Conductor Modifications	Wire Truck/Trailer	6	1	5	--	Other Construction Equipment	10	6	100	0	79	1
Transmission - 500 kV - Overhead Conductor Modifications	1-Ton Truck, 4x4	6	1	5	Passenger	--	--	--	100	0	79	1
Transmission - 500 kV - Overhead Conductor Modifications	Worker Commute Automobile	6	5	5	Passenger	--	--	--	100	0	79	1
Transmission - 500 kV - Install TSP Foundations	Auger Truck	3	1	6	--	Bore/Drill Rigs	210	6	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Backhoe/Front Loader	6	1	6	--	Tractors/Loaders/ Backhoes	200	6	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Boom/Crane Truck	6	1	6	--	Cranes	350	4	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	3/4-Ton Truck, 4x4	6	2	6	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Concrete Mixer Truck	4	3	6	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Dump Truck	6	1	6	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Water Truck	6	1	6	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Worker Commute	6	6	6	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - Install Trench (17)	Backhoe/Front Loader	90	1	8	--	Tractors/Loaders/ Backhoes	200	6	75	25	79	78
Transmission - 500 kV - Install Trench (17)	Compressor Trailer	90	1	8	--	Air Compressors	60	6	75	25	79	78
Transmission - 500 kV - Install Trench (17)	1-Ton Truck, 4x4	90	2	8	Passenger	--	--	--	75	25	79	78
Transmission - 500 kV - Install Trench (17)	Dump Truck	90	2	8	HHDT	--	--	--	75	25	79	78
Transmission - 500 kV - Install Trench (17)	Water Truck	90	1	8	HHDT	--	--	--	75	25	79	78
Transmission - 500 kV - Install Trench (17)	Worker Commute	90	8	8	Passenger	--	--	--	75	25	79	78
Transmission - 500 kV - TSP Assembly	Boom/Crane Truck	2	1	10	--	Cranes	350	8	100	0	53	104
Transmission - 500 kV - TSP Assembly	Compressor Trailer	2	1	10	--	Air Compressors	60	6	100	0	53	104
Transmission - 500 kV - TSP Assembly	1-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Assembly	3/4-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Assembly	Worker Commute	2	10	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Erection	Compressor Trailer	2	1	10	--	Air Compressors	60	4	100	0	53	104

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - TSP Erection	R/T Crane (L)	2	1	10	--	Cranes	275	8	100	0	53	104
Transmission - 500 kV - TSP Erection	1-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Erection	3/4-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Erection	Worker Commute Automobile	2	10	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Backhoe/Front Loader	8	1	4	--	Tractors/Loaders/ Backhoes	200	6	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Compressor Trailer	8	1	4	--	Air Compressors	60	8	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Excavator	8	1	4	--	Excavators	160	4	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	3/4-Ton Truck, 4x4	8	1	4	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Dump Truck	8	1	4	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Worker Commute Automobile	8	4	4	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Haul	Boom/Crane Truck	1	1	4	--	Cranes	350	6	100	0	53	104
Transmission - 500 kV - TSP Haul	3/4-Ton Truck, 4x4	1	1	4	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Haul	Flat Bed Pole Truck	1	1	4	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Haul	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Removal	Boom/Crane Truck	6	1	6	--	Cranes	350	6	100	0	53	104
Transmission - 500 kV - TSP Removal	Compressor Trailer	6	1	6	--	Air Compressors	60	8	100	0	53	104
Transmission - 500 kV - TSP Removal	R/T Crane (M)	6	1	6	--	Cranes	215	6	100	0	53	104
Transmission - 500 kV - TSP Removal	1-Ton Truck, 4x4	6	2	6	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Removal	Flat Bed Truck/Trailer	6	1	6	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Removal	Worker Commute Automobile	6	6	6	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - Wood Pole Modification (6)	Boom/Crane Truck	2	1	10	--	Cranes	350	6	75	25	105	91
Transmission - 500 kV - Wood Pole Modification (6)	Compressor Trailer	2	1	10	--	Air Compressors	60	4	75	25	105	91
Transmission - 500 kV - Wood Pole Modification (6)	Manlift/Bucket Truck	2	1	10	--	Aerial Lifts	250	6	75	25	105	91

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Wood Pole Modification (6)	1-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	75	25	105	91
Transmission - 500 kV - Wood Pole Modification (6)	Flat Bed Truck/ Trailer	2	1	10	HHDT	--	--	--	75	25	105	91
Transmission - 500 kV - Wood Pole Modification (6)	Worker Commute Automobile	2	10	10	Passenger	--	--	--	75	25	105	91
Telecommuications												
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Backhoe/Front Loader	10	1	8	--	Tractors/Loaders/ Backhoes	200	6	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Concrete Pump	2	1	8	--	Pumps	350	6	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Crane	6	1	8	--	Cranes	350	4	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Drill Rig	7	1	8	--	Bore/Drill Rigs	500	6	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Fork lift	10	1	8	--	Forklifts	200	4	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	1-Ton Crew Cab 4x4	12	1	8	Passenger	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	2-Ton Truck	12	1	8	Delivery	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Concrete Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Dump Truck	7	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Flat Bed Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Worker Commute Automobile	12	8	8	Passenger	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Backhoe/front loader	10	1	8	--	Tractors/Loaders/ Backhoes	200	6	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Concrete Pump	2	1	8	--	Pumps	350	6	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Crane	6	1	8	--	Cranes	350	4	100	0	79	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Drill Rig	7	1	8	--	Bore/Drill Rigs	500	6	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Fork lift	10	1	8	--	Forklifts	200	4	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	1-Ton Crew Cab 4x4	12	1	8	Passenger	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	2-Ton Truck	12	1	8	Delivery	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Concrete Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Dump Truck	7	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Flat Bed Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Worker Commute	12	8	8	Passenger	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Backhoe/Front Loader	10	1	8	--	Tractors/Loaders/ Backhoes	200	6	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Concrete Pump	2	1	8	--	Pumps	350	6	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Crane	6	1	8	--	Cranes	350	4	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Drill Rig	7	1	8	--	Bore/Drill Rigs	500	6	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Fork lift	10	1	8	--	Forklifts	200	4	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	1-Ton Crew Cab 4x4	12	1	8	Passenger	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	2-Ton Truck	12	1	8	Delivery	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Concrete Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Dump Truck	7	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Flat Bed Truck	2	1	8	HHDT	--	--	--	100	0	79	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Worker Commute Automobile	12	8	8	Passenger	--	--	--	100	0	79	0
Distribution												
Distribution - Barstow Communication Repeater - Overhead Line Work(2)	55-Foot Double Bucket Truck	1	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Barstow Communication Repeater - Overhead Line Work(2)	60-Foot Digger Derrick	1	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Barstow Communication Repeater - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	1	1	6	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Overhead Line Work(2)	Worker Commute Automobile	1	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Pole Installation (5)	55-Foot Double Bucket Truck	1	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Barstow Communication Repeater - Pole Installation (5)	60-Foot Digger Derrick	1	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Barstow Communication Repeater - Pole Installation (5)	1-Ton Crew Cab, 4x4	1	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Pole Installation (5)	Worker Commute Automobile	1	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Trenching, Structure Excavation(1)	Backhoe Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	300	8	100	0	79	78
Distribution - Barstow Communication Repeater - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Makeup (4)	1- Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Barstow Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	55-Foot Double Bucket Truck	1	1	4	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Hydraulic Rewind Puller	1	1	4	--	Other Construction Equipment	300	6	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	1-Ton Crew Cab, 4x4	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Deep Creek T-Line Undercrossing - Overhead Line Work(2)	55-Foot Double Bucket Truck	1	1	6	--	Aerial Lifts	300	7	100	0	39	0
Distribution - Deep Creek T-Line Undercrossing - Overhead Line Work(2)	60-Foot Digger Derrick	1	1	6	--	Bore/Drill Rigs	275	4	100	0	39	0
Distribution - Deep Creek T-Line Undercrossing - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	1	1	6	Passenger	--	--	--	100	0	39	0
Distribution - Deep Creek T-Line Undercrossing - Overhead Line Work(2)	Worker Commute Automobile	1	6	6	Passenger	--	--	--	100	0	39	0
Distribution - Kelbaker Communication Repeater - Overhead Line Work(2)	55-Foot Double Bucket Truck	2	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Kelbaker Communication Repeater - Overhead Line Work(2)	60-Foot Digger Derrick	2	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Kelbaker Communication Repeater - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	2	1	6	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Overhead Line Work(2)	Worker Commute Automobile	2	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Pole Installation (5)	55-Foot Double Bucket Truck	4	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Kelbaker Communication Repeater - Pole Installation (5)	60-Foot Digger Derrick	4	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Kelbaker Communication Repeater - Pole Installation (5)	1-Ton Crew Cab, 4x4	4	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Pole Installation (5)	Worker Commute Automobile	4	6	6	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Kelbaker Communication Repeater - Trenching, Structure Excavation(1)	Backhoe/Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	200	8	100	0	79	78
Distribution - Kelbaker Communication Repeater - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Makeup (4)	1-Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	55-Foot Double Bucket Truck	1	1	4	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Hydraulic Rewind Puller	1	1	4	--	Other Construction Equipment	300	6	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	1-Ton Crew Cab, 4x4	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Overhead Line Work(2)	55-Foot Double Bucket Truck	3	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Lanfair Communication Repeater - Overhead Line Work(2)	60-Foot Digger Derrick	3	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Lanfair Communication Repeater - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	3	1	6	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Lanfair Communication Repeater - Overhead Line Work(2)	Worker Commute Automobile	3	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Pole Installation (5)	55-Foot Double Bucket Truck	9	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Lanfair Communication Repeater - Pole Installation (5)	60-Foot Digger Derrick	9	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Lanfair Communication Repeater - Pole Installation (5)	1-Ton Crew Cab, 4x4	9	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Pole Installation (5)	Worker Commute Automobile	9	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Trenching, Structure Excavation(1)	Backhoe Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	300	8	100	0	79	78
Distribution - Lanfair Communication Repeater - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Makeup (4)	1-Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	55-Foot Double Bucket Truck	1	1	4	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Hydraulic Rewind Puller	1	1	4	--	Other Construction Equipment	300	6	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	1-Ton Crew Cab, 4x4	1	1	4	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Lanfair Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	100-Foot Bucket Truck	4	1	6	--	Aerial Lifts	350	8	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	40-Ton Crane	4	1	6	--	Cranes	300	8	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	55-Foot Double Bucket Truck	40	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	60-Foot Digger Derrick	40	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	40	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	Worker Commute Automobile	40	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Pole Installation (5)	55-Foot Double Bucket Truck	4	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Pole Installation (5)	60-Foot Digger Derrick	4	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Pole Installation (5)	1-Ton Crew Cab, 4x4	4	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Pole Installation (5)	Worker Commute Automobile	4	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Trenching, Structure Excavation(1)	Backhoe Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	300	8	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Underground Cable Makeup (4)	1- Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Ludlow Series Cap- SC5 - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	100-Foot Bucket Truck	4	1	6	--	Aerial Lifts	350	8	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	40-Ton Crane	4	1	6	--	Cranes	300	8	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	55-Foot Double Bucket Truck	4	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	60-Foot Digger Derrick	4	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	4	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	Worker Commute Automobile	4	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Pole Installation (5)	55-Foot Double Bucket Truck	4	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Pole Installation (5)	60-Foot Digger Derrick	4	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Pole Installation (5)	1-Ton Crew Cab, 4x4	4	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Pole Installation (5)	Worker Commute Automobile	4	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Trenching, Structure Excavation(1)	Backhoe Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	300	8	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Underground Cable Makeup (4)	1-Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Newberry Springs Series Cap-SC2 - Underground Cable Pulling (3)& Transformer Installation	55-Foot Double Bucket Truck	1	1	4	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Newberry Springs Series Cap-SC2 - Underground Cable Pulling (3)& Transformer Installation	Hydraulic Rewind Puller	1	1	4	--	Other Construction Equipment	300	6	100	0	79	78
Distribution - Newberry Springs Series Cap-SC2 - Underground Cable Pulling (3)& Transformer Installation	1-Ton Crew Cab, 4x4	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap-SC2 - Underground Cable Pulling (3)& Transformer Installation	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Substations												
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Bobcat	85	2	15	--	Skid Steer Loaders	200	5	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Crane	85	1	15	--	Cranes	350	4	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Forklift	85	2	15	--	Forklifts	200	5	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Generator	85	2	15	--	Generator Sets	50	8	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Manlift	85	2	15	--	Aerial Lifts	150	5	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Foreman's Truck	85	1	15	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Job Site Utility Cart	85	4	15	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Tool Truck	85	2	15	Delivery	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Worker Commute Automobile	85	15	15	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Backhoe	70	2	15	--	Tractors/Loaders/ Backhoes	200	4	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Bobcat	70	2	15	--	Skid Steer Loaders	200	5	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Compactor	70	1	15	--	Rollers	300	5	0	100	0	39

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Excavator	70	2	15	--	Excavators	160	5	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Generator	70	2	15	--	Generator Sets	50	8	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Grader	70	2	15	--	Graders	290	8	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	LoDrill	70	1	15	--	Bore/Drill Rigs	200	5	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Skip Loader	70	1	15	--	Tractors/Loaders/ Backhoes	150	4	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Trencher	70	1	15	--	Trenchers	175	5	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Dump Truck	70	1	15	HHDT	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Foreman's Truck	70	1	15	Passenger	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Fuel Truck	70	1	15	HHDT	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Job site Utility Cart	70	4	15	Passenger	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Low Bed Hauler	70	1	15	HHDT	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Tool Truck	70	2	15	Delivery	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Water Truck	70	2	15	HHDT	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Worker Commute Automobile	70	15	15	Passenger	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Survey (Phase 1 - Lugo)	Foreman's Truck	15	1	2	Passenger	--	--	--	0	100	184	156
Substation - ELD Sub-Line Pos - Survey (Phase 1 - Lugo)	Job site Utility Cart	15	1	2	Passenger	--	--	--	0	100	184	156
Substation - ELD Sub-Line Pos - Survey (Phase 1 - Lugo)	Tool Truck	15	1	2	Delivery	--	--	--	0	100	184	156
Substation - ELD Sub-Line Pos - Survey (Phase 1 - Lugo)	Worker Commute Automobile	15	2	2	Passenger	--	--	--	0	100	184	156

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - ELD Sub-Line Pos - Survey (Phase 2 - Mohave)	Foreman's Truck	15	1	2	Passenger	--	--	--	0	100	236	78
Substation - ELD Sub-Line Pos - Survey (Phase 2 - Mohave)	Job site Utility Cart	15	1	2	Passenger	--	--	--	0	100	236	78
Substation - ELD Sub-Line Pos - Survey (Phase 2 - Mohave)	Tool Truck	15	1	2	Delivery	--	--	--	0	100	236	78
Substation - ELD Sub-Line Pos - Survey (Phase 2 - Mohave)	Worker Commute Automobile	15	2	2	Passenger	--	--	--	0	100	236	78
Substation - ELD Sub-Line Pos - Testing	Test Truck	140	2	5	Delivery	--	--	--	0	100	0	66
Substation - ELD Sub-Line Pos - Testing	Worker Commute Automobile	140	4	5	Passenger	--	--	--	0	100	0	66
Substation - ELD Sub-Line Pos - Wiring	Manlift	60	1	5	--	Aerial Lifts	150	5	0	100	0	30
Substation - ELD Sub-Line Pos - Wiring	Foreman's Truck	60	1	5	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Wiring	Job Site Utility Cart	60	2	5	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Wiring	Tool Truck	60	2	5	Delivery	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Wiring	Worker Commute Automobile	60	5	5	Passenger	--	--	--	0	100	0	30
Substation - Lugo-Line Pos - Electrical (SC1)	Bobcat	35	2	15	--	Skid Steer Loaders	200	5	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Crane	35	1	15	--	Cranes	350	4	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Forklift	35	2	15	--	Forklifts	200	5	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Generator	35	2	15	--	Generator Sets	50	8	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Manlift	35	2	15	--	Aerial Lifts	150	5	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Foreman's Truck	35	1	15	Passenger	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Job Site Utility Cart	35	4	15	Passenger	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Tool Truck	35	2	15	Delivery	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Worker Commute Automobile	35	15	15	Passenger	--	--	--	100	0	0	95

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - Lugo-Line Pos - Electrical (SC4)	Bobcat	35	2	15	--	Skid Steer Loaders	200	5	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Crane	35	1	15	--	Cranes	350	4	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Forklift	35	2	15	--	Forklifts	200	5	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Generator	35	2	15	--	Generator Sets	50	8	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Manlift	35	2	15	--	Aerial Lifts	150	5	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Foreman's Truck	35	1	15	Passenger	--	--	--	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Job Site Utility Cart	35	4	15	Passenger	--	--	--	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Tool Truck	35	2	15	Delivery	--	--	--	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Worker Commute Automobile	35	15	15	Passenger	--	--	--	100	0	0	28
Substation - Lugo-Line Pos - Grading/Civil	Backhoe	45	2	15	--	Tractors/Loaders/ Backhoes	200	4	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Bobcat	45	2	15	--	Skid Steer Loaders	200	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Compactor	45	1	15	--	Rollers	300	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Excavator	45	2	15	--	Excavators	160	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Generator	45	2	15	--	Generator Sets	50	8	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Grader	45	2	15	--	Graders	290	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	LoDrill	45	1	15	--	Bore/Drill Rigs	200	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Skip Loader	45	1	15	--	Tractors/Loaders/ Backhoes	150	4	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Trencher	45	1	15	--	Trenchers	175	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Dump Truck	45	1	15	HHDT	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Foreman's Truck	45	1	15	Passenger	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Fuel Truck	45	1	15	HHDT	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Job Site Utility Cart	45	4	15	Passenger	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Low Bed Hauler	45	1	15	HHDT	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Tool Truck	45	2	15	Delivery	--	--	--	100	0	53	27

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - Lugo-Line Pos - Grading/Civil	Water Truck	45	2	15	HHDT	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Worker Commute Automobile	45	15	15	Passenger	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Survey	Foreman's Truck	15	1	2	Passenger	--	--	--	100	0	67	156
Substation - Lugo-Line Pos - Survey	Job Site Utility Cart	15	1	2	Passenger	--	--	--	100	0	67	156
Substation - Lugo-Line Pos - Survey	Tool Truck	15	1	2	Delivery	--	--	--	100	0	67	156
Substation - Lugo-Line Pos - Survey	Worker Commute Automobile	15	2	2	Passenger	--	--	--	100	0	67	156
Substation - Lugo-Line Pos - Testing (SC1)	Test Truck	60	2	4	Delivery	--	--	--	100	0	0	130
Substation - Lugo-Line Pos - Testing (SC1)	Worker Commute Automobile	60	4	4	Passenger	--	--	--	100	0	0	130
Substation - Lugo-Line Pos - Testing (SC4)	Test Truck	60	2	4	Delivery	--	--	--	100	0	0	26
Substation - Lugo-Line Pos - Testing (SC4)	Worker Commute Automobile	60	4	4	Passenger	--	--	--	100	0	0	26
Substation - Lugo-Line Pos - Wiring (SC1)	Manlift	45	1	5	--	Aerial Lifts	150	5	100	0	0	95
Substation - Lugo-Line Pos - Wiring (SC1)	Foreman's Truck	45	1	5	Passenger	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Wiring (SC1)	Job Site Utility Cart	45	2	5	Passenger	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Wiring (SC1)	Tool Truck	45	2	5	Delivery	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Wiring (SC1)	Worker Commute Automobile	45	5	5	Passenger	--	--	--	100	0	0	95
Substation - Mohave-Line Pos - Electrical	Bobcat	45	2	15	--	Skid Steer Loaders	200	5	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Crane	45	1	15	--	Cranes	350	4	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Forklift	45	2	15	--	Forklifts	200	5	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Generator	45	2	15	--	Generator Sets	50	8	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Manlift	45	2	15	--	Aerial Lifts	150	5	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Foreman's Truck	45	1	15	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Job Site Utility Cart	45	4	15	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Tool Truck	45	2	15	Delivery	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Worker Commute Automobile	45	15	15	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Backhoe	45	2	15	--	Tractors/Loaders/ Backhoes	200	4	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Bobcat	45	2	15	--	Skid Steer Loaders	200	5	0	100	0	40

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Compactor	45	1	15	--	Rollers	300	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Excavator	45	2	15	--	Excavators	160	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Generator	45	2	15	--	Generator Sets	50	8	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Grader	45	2	15	--	Graders	290	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	LoDrill	45	1	15	--	Bore/Drill Rigs	200	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Skip Loader	45	1	15	--	Tractors/Loaders/ Backhoes	150	4	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Trencher	45	1	15	--	Trenchers	175	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Dump Truck	45	1	15	HHDT	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Foreman's Truck	45	1	15	Passenger	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Fuel Truck	45	1	15	HHDT	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Job site Utility Cart	45	4	15	Passenger	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Low Bed Hauler	45	1	15	HHDT	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Tool Truck	45	2	15	Delivery	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Water Truck	45	2	15	HHDT	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Worker Commute Automobile	45	15	15	Passenger	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Survey (Phase 1 - Eldorado)	Foreman's Truck	10	1	2	Passenger	--	--	--	0	100	236	78
Substation - Mohave-Line Pos - Survey (Phase 1 - Eldorado)	Job site Utility Cart	10	1	2	Passenger	--	--	--	0	100	236	78
Substation - Mohave-Line Pos - Survey (Phase 1 - Eldorado)	Tool Truck	10	1	2	Delivery	--	--	--	0	100	236	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - Mohave-Line Pos - Survey (Phase 1 - Eldorado)	Worker Commute Automobile	10	2	2	Passenger	--	--	--	0	100	236	78
Substation - Mohave-Line Pos - Testing	Test Truck	75	2	4	Delivery	--	--	--	0	100	0	39
Substation - Mohave-Line Pos - Testing	Worker Commute Automobile	75	4	4	Passenger	--	--	--	0	100	0	39
Substation - Mohave-Line Pos - Wiring	Manlift	25	1	5	--	Aerial Lifts	150	5	0	100	0	30
Substation - Mohave-Line Pos - Wiring	Foreman's Truck	60	1	5	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Wiring	Job Site Utility Cart	60	2	5	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Wiring	Tool Truck	60	2	5	Delivery	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Wiring	Worker Commute Automobile	60	5	5	Passenger	--	--	--	0	100	0	30

Notes: "--" = Not Applicable

ATTACHMENT 3-C: CONSTRUCTION EQUIPMENT AND WORKFORCE ESTIMATES

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors												
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Scissor Lift	40	3	10	--	Aerial Lifts	50	6	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Foreman's Truck	40	1	10	Passenger	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Job Site Utility Cart	35	1	10	Passenger	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Test Truck	40	1	10	Delivery	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Tool Truck	35	1	10	Delivery	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Commissioning: Testing	Worker Commute Automobile	40	10	10	Passenger	--	--	--	0	100	74	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	250-Ton Hydraulic Crane	15	1	5	--	Cranes	450	5	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	500-Gallon Water Buffalo with Truck	15	1	5	--	Off-Highway Trucks	185	5	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Bobcat Skid Steer	15	1	5	--	Skid Steer Loaders	93	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Bobcat with Auger	15	1	5	--	Skid Steer Loaders	93	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Bobcat with Sweeper	15	1	5	--	Skid Steer Loaders	93	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Ditch Witch	20	1	5	--	Trenchers	42	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Mini Excavator	15	1	5	--	Excavators	50	8	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	10-Cubic-Yard Dump Truck	20	3	5	HHDT	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	4,000-Gallon Water Truck	20	3	5	HHDT	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Foreman's Truck	15	1	5	Passenger	--	--	--	0	100	54	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Job Site Utility Cart	15	1	5	Passenger	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (5 axle)	15	1	5	HHDT	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (7 axle)	15	1	5	HHDT	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Demo: Removals, Refurbishing	Worker Commute Automobile	20	5	5	Passenger	--	--	--	0	100	54	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	135-Foot Manlift	20	1	15	--	Aerial Lifts	75	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	20,000-Pound Forklift	40	1	15	--	Forklifts	150	8	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	27-Ton Boom Truck	40	1	15	--	Cranes	350	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	65-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	85-Foot Manlift	30	1	15	--	Aerial Lifts	75	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Bobcat with Forks	90	2	15	--	Skid Steer Loaders	93	8	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Crane	10	1	15	--	Cranes	350	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Genie 45-Foot Manlift	35	1	15	--	Aerial Lifts	75	5	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Scissor Lift	95	3	15	--	Aerial Lifts	50	6	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	75	1	15	--	Rough Terrain Forklifts	150	8	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Foreman's Truck	95	1	15	Passenger	--	--	--	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Job Site Utility Cart	95	1	15	Passenger	--	--	--	0	100	66	0
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Tool Truck	95	1	15	Delivery	--	--	--	0	100	66	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Eldorado Series Cap- SC3 - Installations: Equipment, Wiring	Worker Commute Automobile	95	15	15	Passenger	--	--	--	0	100	66	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	140 Motor Grader	25	1	12	--	Graders	250	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	250-Ton Hydraulic Crane	30	1	12	--	Cranes	450	5	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	50,000-Pound Excavator /Breaker	30	1	12	--	Excavators	200	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	500-Gallon Water Buffalo with Truck	90	1	12	--	Off-Highway Trucks	185	5	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	75,000-Pound Excavator	30	1	12	--	Excavators	350	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	84-Inch Vibratory Roller Compactor	35	2	12	--	Rollers	130	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Bobcat Compactor	50	1	12	--	Skid Steer Loaders	93	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Bobcat Skid Steer	90	1	12	--	Skid Steer Loaders	93	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Bobcat with Auger	90	1	12	--	Skid Steer Loaders	93	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Bobcat with Sweeper	90	1	12	--	Skid Steer Loaders	93	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Cat 623 Scraper	30	1	12	--	Graders	400	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Cat 950 Loader	40	1	12	--	Tractors/Loaders/ Backhoes	130	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	D-6 Cat Dozer	40	1	12	--	Crawler Tractors	215	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Ditch Witch	50	1	12	--	Trenchers	42	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	LoDrill Over 50,000 Pounds	20	1	12	--	Bore/Drill Rigs	350	5	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	LoDrill up to 50,000 Pounds	30	1	12	--	Bore/Drill Rigs	200	5	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Mini Excavator	50	1	12	--	Excavators	50	8	100	0	73	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Premiertrak 300 Rock Crusher	10	1	12	--	Crushing/Proc. Equipment	280	9	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Skip Loader	100	1	12	--	Tractors/Loaders/ Backhoes	150	4	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Vermeer RT-450 Trencher	30	1	12	--	Trenchers	50	8	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	10-Cubic-Yard Dump Truck	100	3	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	4,000-Gallon Water Truck	100	3	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Foreman's Truck	90	1	12	Passenger	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Job Site Utility Cart	90	1	12	Passenger	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Low Bed Equipment Hauler (5 axle)	40	1	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Low Bed Equipment Hauler (7 axle)	40	1	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Low Side End Dump	100	3	12	HHDT	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Tool Truck	50	1	12	Delivery	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Civil: Foundations, Below Grade, Stone Cover	Worker Commute Automobile	100	12	12	Passenger	--	--	--	100	0	73	0
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Scissor Lift	50	3	10	--	Aerial Lifts	50	6	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Foreman’s Truck	50	1	10	Passenger	--	--	--	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Job Site Utility Cart	50	1	10	Passenger	--	--	--	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Test Truck	50	1	10	Delivery	--	--	--	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Tool Truck	50	1	10	Delivery	--	--	--	100	0	0	34
Capacitors - Ludlow Series Cap- SC5 - Commissioning: Testing	Worker Commute Automobile	50	10	10	Passenger	--	--	--	100	0	0	34

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Ludlow Series Cap- SC5 – Grading	140 Motor Grader	25	1	12	--	Graders	250	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	250-Ton Hydraulic Crane	30	1	12	--	Cranes	450	5	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	50,000-Pound Excavator /Breaker	30	1	12	--	Excavators	200	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	500-Gallon Water Buffalo with Truck	90	1	12	--	Off-Highway Trucks	185	5	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	75,000-Pound Excavator	30	1	12	--	Excavators	350	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	84-Inch Vibratory Roller Compactor	35	2	12	--	Rollers	130	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Bobcat Compactor	50	1	12	--	Skid Steer Loaders	93	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Bobcat Skid Steer	90	1	12	--	Skid Steer Loaders	93	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Bobcat with Auger	90	1	12	--	Skid Steer Loaders	93	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Bobcat with Sweeper	90	1	12	--	Skid Steer Loaders	93	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Cat 623 Scraper	30	1	12	--	Graders	400	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Cat 950 Loader	40	1	12	--	Tractors/Loaders/ Backhoes	130	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	D-6 Cat Dozer	40	1	12	--	Crawler Tractors	215	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Ditch Witch	50	1	12	--	Trenchers	42	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	LoDrill Over 50,000 Pounds	20	1	12	--	Bore/Drill Rigs	350	5	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	LoDrill up to 50,000 Pounds	30	1	12	--	Bore/Drill Rigs	200	5	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Mini Excavator	50	1	12	--	Excavators	50	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Premiertrak 300 Rock Crusher	10	1	12	--	Crushing/Proc. Equipment	280	9	100	0	60	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Ludlow Series Cap- SC5 – Grading	Skip Loader	100	1	12	--	Tractors/Loaders/ Backhoes	150	4	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Vermeer RT-450 Trencher	30	1	12	--	Trenchers	50	8	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	10-Cubic-Yard Dump Truck	100	3	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	4,000-Gallon Water Truck	100	3	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Foreman's Truck	90	1	12	Passenger	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Job Site Utility Cart	90	1	12	Passenger	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Low Bed Equipment Hauler (5 axle)	40	1	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Low Bed Equipment Hauler (7 axle)	40	1	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Low Side End Dump	100	3	12	HHDT	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Tool Truck	50	1	12	Delivery	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 – Grading	Worker Commute Automobile	100	12	12	Passenger	--	--	--	100	0	60	0
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	135-Foot Manlift	20	1	20	--	Aerial Lifts	75	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	20,000-Pound Forklift	40	1	20	--	Forklifts	150	8	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	27-Ton Boom Truck	60	1	20	--	Cranes	350	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	65-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	85-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Bobcat with Forks	100	2	20	--	Skid Steer Loaders	93	8	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Crane	20	1	20	--	Cranes	350	5	100	0	83	53

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Generator	100	1	20	--	Generator Sets	50	12	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Genie 45-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Scissor Lift	100	3	20	--	Aerial Lifts	50	6	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	85	1	20	--	Rough Terrain Forklifts	150	8	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	65	1	20	--	Rough Terrain Forklifts	150	8	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Foreman's Truck	100	1	20	Passenger	--	--	--	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Job Site Utility Cart	100	1	20	Passenger	--	--	--	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Tool Truck	100	1	20	Delivery	--	--	--	100	0	83	53
Capacitors - Ludlow Series Cap- SC5 - Installations: Structures, Equipment, Wiring	Worker Commute Automobile	100	20	20	Passenger	--	--	--	100	0	83	53
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Foreman's Truck	35	1	6	Passenger	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Job Site Utility Cart	35	1	6	Passenger	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Test Truck	35	1	6	Delivery	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Tool Truck	35	1	6	Delivery	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Commissioning: Testing	Worker Commute Automobile	35	6	6	Passenger	--	--	--	100	0	0	54
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	250-Ton Hydraulic Crane	30	1	5	--	Cranes	450	5	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	500-Gallon Water Buffalo with Truck	30	1	5	--	Off-Highway Trucks	185	5	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Bobcat Skid Steer	30	1	5	--	Skid Steer Loaders	93	8	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Bobcat with Auger	30	1	5	--	Skid Steer Loaders	93	8	100	0	48	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Bobcat with Sweeper	30	1	5	--	Skid Steer Loaders	93	8	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	10-Cubic-Yard Dump Truck	30	3	5	HHDT	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	4,000 Water Truck	30	3	5	HHDT	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Foreman's Truck	30	1	5	Passenger	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Job site Utility Cart	30	1	5	Passenger	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (5 axle)	20	1	5	HHDT	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (7 axle)	20	1	5	HHDT	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Demo: Removals, Refurbishing	Worker Commute Automobile	30	5	5	Passenger	--	--	--	100	0	48	0
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	135-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	20,000-Pound Forklift	50	1	15	--	Forklifts	150	8	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	27-Ton Boom Truck	50	1	15	--	Cranes	350	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	65-Foot Manlift	50	1	15	--	Aerial Lifts	75	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	85-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Bobcat with Forks	50	2	15	--	Skid Steer Loaders	93	8	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Crane	20	1	15	--	Cranes	350	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Genie 45-Foot Manlift	50	1	15	--	Aerial Lifts	75	5	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Scissor Lift	50	3	15	--	Aerial Lifts	50	6	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	100	0	53	13

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									CA	NV	2019	2020
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Foreman's Truck	50	1	15	Passenger	--	--	--	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Job Site Utility Cart	50	1	15	Passenger	--	--	--	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Tool Truck	50	1	15	Delivery	--	--	--	100	0	53	13
Capacitors - Lugo Series Cap- SC1 - Installations: Equipment, Wiring	Worker Commute Automobile	50	15	15	Passenger	--	--	--	100	0	53	13
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Foreman's Truck	35	1	6	Passenger	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Job Site Utility Cart	35	1	6	Passenger	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Test Truck	35	1	6	Delivery	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Tool Truck	35	1	6	Delivery	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Commissioning: Testing	Worker Commute Automobile	35	6	6	Passenger	--	--	--	100	0	0	41
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	250-Ton Hydraulic Crane	30	1	5	--	Cranes	450	5	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	500-Gallon Water Buffalo with Truck	30	1	5	--	Off-Highway Trucks	185	5	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Bobcat Skid Steer	30	1	5	--	Skid Steer Loaders	93	8	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Bobcat with Auger	30	1	5	--	Skid Steer Loaders	93	8	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Bobcat with Sweeper	30	1	5	--	Skid Steer Loaders	93	8	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	10-Cubic-Yard Dump Truck	30	3	5	HHDT	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	4,000 Water Truck	30	3	5	HHDT	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Foreman's Truck	30	1	5	Passenger	--	--	--	100	0	56	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Job site Utility Cart	30	1	5	Passenger	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (5 axle)	20	1	5	HHDT	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (7 axle)	20	1	5	HHDT	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Demo: Removals, Refurbishing	Worker Commute Automobile	30	5	5	Passenger	--	--	--	100	0	56	0
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	135-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	20,000-Pound Forklift	50	1	15	--	Forklifts	150	8	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	27-Ton Boom Truck	50	1	15	--	Cranes	350	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	65-Foot Manlift	50	1	15	--	Aerial Lifts	75	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	85-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Bobcat with Forks	50	2	15	--	Skid Steer Loaders	93	8	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Crane	20	1	15	--	Cranes	350	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Genie 45-Foot Manlift	50	1	15	--	Aerial Lifts	75	5	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Scissor Lift	50	3	15	--	Aerial Lifts	50	6	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	50	1	15	--	Rough Terrain Forklifts	150	8	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Foreman's Truck	50	1	15	Passenger	--	--	--	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Job Site Utility Cart	50	1	15	Passenger	--	--	--	100	0	41	37
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Tool Truck	50	1	15	Delivery	--	--	--	100	0	41	37

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Lugo Series Cap- SC4 - Installations: Equipment, Wiring	Worker Commute Automobile	50	15	15	Passenger	--	--	--	100	0	41	37
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	250-Ton Hydraulic Crane	30	1	10	--	Cranes	450	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	50,000-Pound Excavator /Breaker	30	1	10	--	Excavators	200	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	500-Gallon Water Buffalo with Truck	90	1	10	--	Off-Highway Trucks	185	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	75,000-Pound Excavator	30	1	10	--	Excavators	350	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	84-Inch Vibratory Roller Compactor	35	1	10	--	Rollers	130	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Bobcat Compactor	50	1	10	--	Skid Steer Loaders	93	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Bobcat Skid Steer	90	1	10	--	Skid Steer Loaders	93	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Bobcat with Auger	90	1	10	--	Skid Steer Loaders	93	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Bobcat with Sweeper	90	1	10	--	Skid Steer Loaders	93	4	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Cat 950 Loader	40	1	10	--	Tractors/Loaders/ Backhoes	130	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	D-6 Cat Dozer	40	1	10	--	Crawler Tractors	215	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Ditch Witch	50	1	10	--	Trenchers	42	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Drill Rig	50	1	10	--	Bore/Drill Rigs	500	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Excavator with Breaker	50	1	10	--	Excavators	524	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	LoDrill Over 50,000 Pounds	20	1	10	--	Bore/Drill Rigs	350	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	LoDrill up to 50,000 Pounds	30	1	10	--	Bore/Drill Rigs	200	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Mini Excavator	50	1	10	--	Excavators	50	5	0	100	80	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Motor Grader	25	1	10	--	Graders	250	8	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Skip Loader	90	1	10	--	Tractors/Loaders/ Backhoes	150	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Vermeer RT-450 Trencher	30	1	10	--	Trenchers	50	5	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	10 Cubic Yard Dump Truck	90	3	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	4,000-Gallon Water Truck	90	3	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	8,000-Gallon Water Pull	40	1	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Foreman's Truck	90	1	10	Passenger	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Job Site Utility Cart	90	1	10	Passenger	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Low Bed Equipment Hauler (5 axle)	40	1	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Low Bed Equipment Hauler (7 axle)	40	1	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Low Side End Dump	90	3	10	HHDT	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Tool Truck	50	1	10	Delivery	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Civil: Grading, Foundations, Below Grade	Worker Commute	90	10	10	Passenger	--	--	--	0	100	80	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Scissor Lift	50	3	6	--	Aerial Lifts	50	6	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Foreman's Truck	50	1	6	Passenger	--	--	--	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Job Site Utility Cart	50	1	6	Passenger	--	--	--	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Test Truck	40	1	6	Delivery	--	--	--	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Tool Truck	50	1	6	Delivery	--	--	--	0	100	38	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Mohave Series Cap- SC6 - Commissioning: Testing	Worker Commute Automobile	50	6	6	Passenger	--	--	--	0	100	38	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	250-Ton Hydraulic Crane	30	1	10	--	Cranes	450	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	50,000-Pound Excavator /Breaker	30	1	10	--	Excavators	200	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	500-Gallon Water Buffalo with Truck	90	1	10	--	Off-Highway Trucks	185	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	75,000-Pound Excavator	30	1	10	--	Excavators	350	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	84-Inch Vibratory Roller Compactor	35	1	10	--	Rollers	130	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Bobcat Compactor	50	1	10	--	Skid Steer Loaders	93	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Bobcat Skid Steer	90	1	10	--	Skid Steer Loaders	93	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Bobcat with Auger	90	1	10	--	Skid Steer Loaders	93	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Bobcat with Sweeper	90	1	10	--	Skid Steer Loaders	93	4	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Cat 950 Loader	40	1	10	--	Tractors/Loaders/ Backhoes	130	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	D-6 Cat Dozer	40	1	10	--	Crawler Tractors	215	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Ditch Witch	50	1	10	--	Trenchers	42	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Drill Rig	50	1	10	--	Bore/Drill Rigs	500	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Excavator with Breaker	50	1	10	--	Excavators	524	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	LoDrill Over 50,000 Pounds	20	1	10	--	Bore/Drill Rigs	350	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	LoDrill up to 50,000 Pounds	30	1	10	--	Bore/Drill Rigs	200	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Mini Excavator	50	1	10	--	Excavators	50	5	0	100	26	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Motor Grader	25	1	10	--	Graders	250	8	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Skip Loader	90	1	10	--	Tractors/Loaders/ Backhoes	150	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Vermeer RT-450 Trencher	30	1	10	--	Trenchers	50	5	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	10 Cubic Yard Dump Truck	90	3	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	4,000-Gallon Water Truck	90	3	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	8,000-Gallon Water Pull	40	1	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Foreman's Truck	90	1	10	Passenger	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Job Site Utility Cart	90	1	10	Passenger	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (5 axle)	40	1	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Low Bed Equipment Hauler (7 axle)	40	1	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Low Side End Dump	90	3	10	HHDT	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Tool Truck	50	1	10	Delivery	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Demo: Removals, Refurbishing	Worker Commute Automobile	90	10	10	Passenger	--	--	--	0	100	26	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	135-Foot Manlift	20	1	15	--	Aerial Lifts	75	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	20,000-Pound Forklift	40	1	15	--	Forklifts	150	8	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	27-Ton Boom Truck	60	1	15	--	Cranes	350	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	65-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	85-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	0	100	108	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Bobcat with Forks	90	2	15	--	Skid Steer Loaders	93	8	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Crane	20	1	15	--	Cranes	350	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Generator	90	1	15	--	Generator Sets	50	12	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Genie 45-Foot Manlift	40	1	15	--	Aerial Lifts	75	5	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Scissor Lift	90	3	15	--	Aerial Lifts	50	6	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	85	1	15	--	Rough Terrain Forklifts	150	8	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	65	1	15	--	Rough Terrain Forklifts	150	8	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Foreman's Truck	90	1	15	Passenger	--	--	--	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Job Site Utility Cart	90	1	15	Passenger	--	--	--	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Tool Truck	90	1	15	Delivery	--	--	--	0	100	108	0
Capacitors - Mohave Series Cap- SC6 - Installations: Equipment, Wiring	Worker Commute Automobile	90	15	15	Passenger	--	--	--	0	100	108	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	140 Motor Grader	25	1	12	--	Graders	250	8	100	0	88	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	250-Ton Hydraulic Crane	30	1	12	--	Cranes	450	5	100	0	88	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	50,000-Pound Excavator /Breaker	30	1	12	--	Excavators	200	8	100	0	88	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	500-Gallon Water Buffalo w/ Truck	90	1	12	--	Off-Highway Trucks	185	5	100	0	88	0
Capacitors - Newberry Springs Series Cap- SC2 - Civil: Foundations, Below Grade, Stone Cover	75,000-Pound Excavator	30	1	12	--	Excavators	350	8	100	0	88	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	84-Inch Vibratory Roller Compactor	35	2	12	--	Rollers	130	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Bobcat Compactor	50	1	12	--	Skid Steer Loaders	93	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Bobcat Skid Steer	90	1	12	--	Skid Steer Loaders	93	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Bobcat with Auger	90	1	12	--	Skid Steer Loaders	93	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Bobcat with Sweeper	90	1	12	--	Skid Steer Loaders	93	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Cat 623 Scraper	30	1	12	--	Graders	400	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Cat 950 Loader	40	1	12	--	Tractors/Loaders/ Backhoes	130	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	D-6 Cat Dozer	40	1	12	--	Crawler Tractors	215	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Ditch Witch	50	1	12	--	Trenchers	42	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	LoDrill Over 50,000 Pounds	20	1	12	--	Bore/Drill Rigs	350	5	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	LoDrill up to 50,000 Pounds	30	1	12	--	Bore/Drill Rigs	200	5	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Mini Excavator	50	1	12	--	Excavators	50	8	100	0	88	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Premiertak 300 Rock Crusher	10	1	12	--	Crushing/Proc. Equipment	280	9	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Skip Loader	100	1	12	--	Tractors/Loaders/ Backhoes	150	4	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Vermeer RT-450 Trencher	30	1	12	--	Trenchers	50	8	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	10-Cubic-Yard Dump Truck	100	3	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	4,000-Gallon Water Truck	100	3	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Foreman's Truck	90	1	12	Passenger	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Job Site Utility Cart	90	1	12	Passenger	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Low Bed Equipment Hauler (5 axle)	40	1	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Low Bed Equipment Hauler (7 axle)	40	1	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Low Side End Dump	100	3	12	HHDT	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Tool Truck	50	1	12	Delivery	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Civil: Foundations, Below Grade, Stone Cover	Worker Commute Automobile	100	12	12	Passenger	--	--	--	100	0	88	0
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Scissor Lift	35	3	10	--	Aerial Lifts	50	6	100	0	0	28

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Foreman's Truck	35	1	10	Passenger	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Job Site Utility Cart	35	1	10	Passenger	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Test Truck	35	1	10	Delivery	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Tool Truck	35	1	10	Delivery	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 - Commissioning: Testing	Worker Commute Automobile	35	10	10	Passenger	--	--	--	100	0	0	28
Capacitors - Newberry Springs Series Cap-SC2 – Grading	140 Motor Grader	25	1	12	--	Graders	250	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	250-Ton Hydraulic Crane	30	1	12	--	Cranes	450	5	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	50,000-Pound Excavator /Breaker	30	1	12	--	Excavators	200	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	500-Gallon Water Buffalo w/ Truck	90	1	12	--	Off-Highway Trucks	185	5	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	75,000-Pound Excavator	30	1	12	--	Excavators	350	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	84-Inch Vibratory Roller Compactor	35	2	12	--	Rollers	130	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Bobcat Compactor	50	1	12	--	Skid Steer Loaders	93	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Bobcat Skid Steer	90	1	12	--	Skid Steer Loaders	93	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Bobcat with Auger	90	1	12	--	Skid Steer Loaders	93	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Bobcat with Sweeper	90	1	12	--	Skid Steer Loaders	93	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Cat 623 Scraper	30	1	12	--	Graders	400	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Cat 950 Loader	40	1	12	--	Tractors/Loaders/ Backhoes	130	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	D-6 Cat Dozer	40	1	12	--	Crawler Tractors	215	8	100	0	46	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Ditch Witch	50	1	12	--	Trenchers	42	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	LoDrill Over 50,000 Pounds	20	1	12	--	Bore/Drill Rigs	350	5	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	LoDrill up to 50,000 Pounds	30	1	12	--	Bore/Drill Rigs	200	5	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Mini Excavator	50	1	12	--	Excavators	50	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Premiertak 300 Rock Crusher	10	1	12	--	Crushing/Proc. Equipment	280	9	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Skip Loader	100	1	12	--	Tractors/Loaders/ Backhoes	150	4	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Vermeer RT-450 Trencher	30	1	12	--	Trenchers	50	8	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	10-Cubic-Yard Dump Truck	100	3	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	4,000-Gallon Water Truck	100	3	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Foreman's Truck	90	1	12	Passenger	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Job Site Utility Cart	90	1	12	Passenger	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Low Bed Equipment Hauler (5 axle)	40	1	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Low Bed Equipment Hauler (7 axle)	40	1	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Low Side End Dump	100	3	12	HHDT	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Tool Truck	50	1	12	Delivery	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 – Grading	Worker Commute Automobile	100	12	12	Passenger	--	--	--	100	0	46	0
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	135-Foot Manlift	20	1	20	--	Aerial Lifts	75	5	100	0	101	40

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	20,000-Pound Forklift	40	1	20	--	Forklifts	150	8	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	27-Ton Boom Truck	60	1	20	--	Cranes	350	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	65-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	85-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Bobcat with Forks	100	2	20	--	Skid Steer Loaders	93	8	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Crane	20	1	20	--	Cranes	350	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Generator	100	1	20	--	Generator Sets	50	10	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Genie 45-Foot Manlift	40	1	20	--	Aerial Lifts	75	5	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Scissor Lift	100	3	20	--	Aerial Lifts	50	6	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Tele-Handler Forklift (5,000-7,000 Pounds)	85	1	20	--	Rough Terrain Forklifts	150	8	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Tele-Handler Forklift (8,000-12,000 Pounds)	65	1	20	--	Rough Terrain Forklifts	150	8	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Foreman's Truck	100	1	20	Passenger	--	--	--	100	0	101	40

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Job Site Utility Cart	100	1	20	Passenger	--	--	--	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Tool Truck	100	1	20	Delivery	--	--	--	100	0	101	40
Capacitors - Newberry Springs Series Cap-SC2 - Installations: Structures, Equipment, Wiring	Worker Commute Automobile	100	20	20	Passenger	--	--	--	100	0	101	40
Transmission												
Transmission - 500 kV - Survey (1)	1-Ton Truck, 4x4	90	2	8	Passenger	--	--	--	75	25	236	156
Transmission - 500 kV - Survey (1)	Worker Commute Automobile	90	8	8	Passenger	--	--	--	75	25	236	156
Transmission - 500 kV - Fiber Splicing and Termination	1-Ton Truck, 4x4	60	1	5	Passenger	--	--	--	75	25	184	132
Transmission - 500 kV - Fiber Splicing and Termination	Medium Duty Splicing Lab Truck	60	2	5	Delivery	--	--	--	75	25	184	132
Transmission - 500 kV - Fiber Splicing and Termination	Worker Commute Automobile	60	5	5	Passenger	--	--	--	75	25	184	132
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Auger Truck	30	1	6	--	Bore/Drill Rigs	210	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Boom/Crane Truck	30	1	6	--	Cranes	350	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Compressor Trailer	30	1	6	--	Air Compressors	60	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Digger Derrick 6060	30	2	6	--	Bore/Drill Rigs	300	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Manlift/Bucket Truck	30	1	6	--	Aerial Lifts	250	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	1-Ton Truck, 4x4	30	1	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	3/4-Ton Truck, 4x4	30	1	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Extendable Flat Bed Pole Truck	30	1	6	HHDT	--	--	--	95	5	66	53

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Lugo-Moh - Guard Structure Installation (5)	Worker Commute Automobile	30	6	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Boom/Crane Truck	20	1	6	--	Cranes	350	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Compressor Trailer	20	1	6	--	Air Compressors	60	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Digger Derrick 6060	20	2	6	--	Bore/Drill Rigs	300	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Manlift/Bucket Truck	20	1	6	--	Aerial Lifts	250	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	1-Ton Truck, 4x4	20	1	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	3/4-Ton Truck, 4x4	20	1	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Extendable Flat Bed Pole Truck	20	1	6	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Guard Structure Removal (15)	Worker Commute Automobile	20	6	6	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Install Underground Fiber	Manlift/Bucket Truck	15	3	5	--	Aerial Lifts	250	6	100	0	80	0
Transmission - 500 kV - Lugo-Moh - Install Underground Fiber	Wire Truck/Trailer	15	1	5	--	Other Construction Equipment	10	6	100	0	80	0
Transmission - 500 kV - Lugo-Moh - Install Underground Fiber	1-Ton Truck, 4x4	15	1	5	Passenger	--	--	--	100	0	80	0
Transmission - 500 kV - Lugo-Moh - Install Underground Fiber	Worker Commute Automobile	15	5	5	Passenger	--	--	--	100	0	80	0
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Backhoe/Front Loader	8	1	5	--	Tractors/Loaders/ Backhoes	200	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Drum Type Compactor	8	1	5	--	Rollers	100	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Excavator	4	1	5	--	Excavators	160	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Motor Grader	8	1	5	--	Graders	250	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Track Type Dozer	8	1	5	--	Crawler Tractors	150	4	95	5	66	53

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	1-Ton Truck, 4x4	8	1	5	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Lowboy Truck/Trailer	8	1	5	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Water Truck	8	1	5	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Pull-site preparation	Worker Commute	8	5	5	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Backhoe/Front Loader	82	1	5	--	Tractors/Loaders/ Backhoes	200	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Motor Grader	82	1	5	--	Graders	250	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Track Type Dozer	82	1	5	--	Crawler Tractors	150	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	1-Ton Truck, 4x4	82	1	5	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Lowboy Truck/Trailer	82	1	5	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Water Truck	82	1	5	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - R/W Clearing	Worker Commute Automobile	82	5	5	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Hughes 530F Helicopter	210	4	44	--	--	NA	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Backhoe/Front Loader	210	1	44	--	Tractors/Loaders/ Backhoes	200	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Boom/Crane Truck	210	2	44	--	Cranes	350	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Bullwheel Puller	150	1	44	--	Other Construction Equipment	350	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	D8 Cat	210	2	44	--	Crawler Tractors	350	2	95	5	66	53

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Manlift/Bucket Truck	210	4	44	--	Aerial Lifts	250	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	R/T Crane (M)	210	2	44	--	Cranes	215	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Sag Cat w/ 2 winches	105	2	44	--	Crawler Tractors	350	2	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Skid Steer Mulcher	210	2	44	--	Tractors/Loaders/ Backhoes	110	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Static Truck/ Tensioner	210	1	44	--	Other Construction Equipment	350	8	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Wire Truck/Trailer	150	4	44	--	Other Construction Equipment	10	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	1-Ton Truck, 4x4	210	6	44	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	3/4-Ton Truck, 4x4	210	4	44	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Dump Truck	210	1	44	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Fuel, Helicopter Support Truck	210	4	44	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Lowboy Truck/Trailer	210	3	44	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Splicing Lab	210	2	44	Passenger	--	--	--	95	5	66	53

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Lugo-Moh - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Worker Commute Automobile	210	44	44	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Backhoe/Front Loader	82	1	7	--	Tractors/Loaders/ Backhoes	200	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Drum Type Compactor	82	1	7	--	Rollers	100	4	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Motor Grader	82	1	7	--	Graders	250	6	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	1-Ton Truck, 4x4	82	2	7	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Lowboy Truck/Trailer	82	1	7	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Water Truck	82	1	7	HHDT	--	--	--	95	5	66	53
Transmission - 500 kV - Lugo-Moh - Restoration (16)	Worker Commute	82	7	7	Passenger	--	--	--	95	5	66	53
Transmission - 500 kV - Marshalling Yard (2)	Boom/Crane Truck	78	1	4	--	Cranes	350	2	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	R/T Forklift	78	1	4	--	Rough Terrain Forklifts	125	6	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	1-Ton Truck, 4x4	78	1	4	Passenger	--	--	--	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	Truck, Semi-Tractor	78	1	4	HHDT	--	--	--	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	Water Truck	78	1	4	HHDT	--	--	--	75	25	79	0
Transmission - 500 kV - Marshalling Yard (2)	Worker Commute Automobile	78	4	4	Passenger	--	--	--	75	25	79	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Auger Truck	30	1	6	--	Bore/Drill Rigs	210	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Boom/Crane Truck	30	1	6	--	Cranes	350	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Compressor Trailer	30	1	6	--	Air Compressors	60	4	0	100	54	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Digger Derrick 6060	30	2	6	--	Bore/Drill Rigs	300	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Manlift/Bucket Truck	30	1	6	--	Aerial Lifts	250	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	1-Ton Truck, 4x4	30	1	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	3/4-Ton Truck, 4x4	30	1	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Extendable Flat Bed Pole Truck	30	1	6	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Installation (5)	Worker Commute Automobile	30	6	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Boom/Crane Truck	20	1	6	--	Cranes	350	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Compressor Trailer	20	1	6	--	Air Compressors	60	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Digger Derrick 6060	20	2	6	--	Bore/Drill Rigs	300	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Manlift/Bucket Truck	20	1	6	--	Aerial Lifts	250	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	1-Ton Truck, 4x4	20	1	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	3/4-Ton Truck, 4x4	20	1	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Extendable Flat Bed Pole Truck	20	1	6	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Guard Structure Removal (15)	Worker Commute Automobile	20	6	6	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Auger Truck	20	1	7	--	Bore/Drill Rigs	210	6	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Backhoe/Front Loader	20	1	7	--	Tractors/Loaders/ Backhoes	200	6	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Boom/Crane Truck	20	1	7	--	Cranes	350	4	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	3/4-Ton Truck, 4x4	20	2	7	Passenger	--	--	--	0	100	7	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Concrete Mixer Truck	15	3	7	HHDT	--	--	--	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Dump Truck	20	1	7	HHDT	--	--	--	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Water Truck	20	1	7	HHDT	--	--	--	0	100	7	0
Transmission - 500 kV - Moh-Eld - LST Foundation Reinforcement14	Worker Commute Automobile	20	7	7	Passenger	--	--	--	0	100	7	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Backhoe/Front Loader	8	1	5	--	Tractors/Loaders/ Backhoes	200	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Drum Type Compactor	8	1	5	--	Rollers	100	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Excavator	4	1	5	--	Excavators	160	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Motor Grader	8	1	5	--	Graders	250	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Track Type Dozer	8	1	5	--	Crawler Tractors	150	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	1-Ton Truck, 4x4	8	1	5	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Lowboy Truck/Trailer	8	1	5	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Water Truck	8	1	5	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Pull-site preparation	Worker Commute	8	5	5	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Backhoe/Front Loader	82	1	5	--	Tractors/Loaders/ Backhoes	200	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Motor Grader	82	1	5	--	Graders	250	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Track Type Dozer	82	1	5	--	Crawler Tractors	150	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	1-Ton Truck, 4x4	82	1	5	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Lowboy Truck/Trailer	82	1	5	HHDT	--	--	--	0	100	54	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Moh-Eld - R/W Clearing	Water Truck	82	1	5	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - R/W Clearing	Worker Commute Automobile	82	5	5	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Hughes 530F Helicopter	210	4	44	--	--	NA	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Backhoe/Front Loader	210	1	44	--	Tractors/Loaders/ Backhoes	200	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Boom/Crane Truck	210	2	44	--	Cranes	350	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Bullwheel Puller	150	1	44	--	Other Construction Equipment	350	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	D8 Cat	210	2	44	--	Crawler Tractors	350	2	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Manlift/Bucket Truck	210	4	44	--	Aerial Lifts	250	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	R/T Crane (M)	210	2	44	--	Cranes	215	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Sag Cat w/ 2 winches	105	2	44	--	Crawler Tractors	350	2	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Skid Steer Mulcher	210	2	44	--	Tractors/Loaders/ Backhoes	110	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Static Truck/ Tensioner	210	1	44	--	Other Construction Equipment	350	8	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Wire Truck/Trailer	150	4	44	--	Other Construction Equipment	10	6	0	100	54	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	1-Ton Truck, 4x4	210	6	44	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	3/4-Ton Truck, 4x4	210	4	44	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Dump Truck	210	1	44	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Fuel, Helicopter Support Truck	210	4	44	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Lowboy Truck/Trailer	210	3	44	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Splicing Lab	210	2	44	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Remove OHGW, Install OPGW, Splicing, Peak Mod (14)	Worker Commute Automobile	210	44	44	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Backhoe/Front Loader	82	1	7	--	Tractors/Loaders/ Backhoes	200	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Drum Type Compactor	82	1	7	--	Rollers	100	4	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Motor Grader	82	1	7	--	Graders	250	6	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	1-Ton Truck, 4x4	82	2	7	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Lowboy Truck/Trailer	82	1	7	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Water Truck	82	1	7	HHDT	--	--	--	0	100	54	0
Transmission - 500 kV - Moh-Eld - Restoration (16)	Worker Commute Automobile	82	7	7	Passenger	--	--	--	0	100	54	0
Transmission - 500 kV - Overhead Conductor Modifications	Manlift/Bucket Truck	6	3	5	--	Aerial Lifts	250	6	100	0	79	1

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Overhead Conductor Modifications	Wire Truck/Trailer	6	1	5	--	Other Construction Equipment	10	6	100	0	79	1
Transmission - 500 kV - Overhead Conductor Modifications	1-Ton Truck, 4x4	6	1	5	Passenger	--	--	--	100	0	79	1
Transmission - 500 kV - Overhead Conductor Modifications	Worker Commute Automobile	6	5	5	Passenger	--	--	--	100	0	79	1
Transmission - 500 kV - Install TSP Foundations	Auger Truck	3	1	6	--	Bore/Drill Rigs	210	6	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Backhoe/Front Loader	6	1	6	--	Tractors/Loaders/ Backhoes	200	6	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Boom/Crane Truck	6	1	6	--	Cranes	350	4	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	3/4-Ton Truck, 4x4	6	2	6	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Concrete Mixer Truck	4	3	6	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Dump Truck	6	1	6	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Water Truck	6	1	6	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - Install TSP Foundations	Worker Commute	6	6	6	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - Install Trench (17)	Backhoe/Front Loader	90	1	8	--	Tractors/Loaders/ Backhoes	200	6	75	25	79	78
Transmission - 500 kV - Install Trench (17)	Compressor Trailer	90	1	8	--	Air Compressors	60	6	75	25	79	78
Transmission - 500 kV - Install Trench (17)	1-Ton Truck, 4x4	90	2	8	Passenger	--	--	--	75	25	79	78
Transmission - 500 kV - Install Trench (17)	Dump Truck	90	2	8	HHDT	--	--	--	75	25	79	78
Transmission - 500 kV - Install Trench (17)	Water Truck	90	1	8	HHDT	--	--	--	75	25	79	78
Transmission - 500 kV - Install Trench (17)	Worker Commute	90	8	8	Passenger	--	--	--	75	25	79	78
Transmission - 500 kV - TSP Assembly	Boom/Crane Truck	2	1	10	--	Cranes	350	8	100	0	53	104
Transmission - 500 kV - TSP Assembly	Compressor Trailer	2	1	10	--	Air Compressors	60	6	100	0	53	104
Transmission - 500 kV - TSP Assembly	1-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Assembly	3/4-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Assembly	Worker Commute	2	10	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Erection	Compressor Trailer	2	1	10	--	Air Compressors	60	4	100	0	53	104

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - TSP Erection	R/T Crane (L)	2	1	10	--	Cranes	275	8	100	0	53	104
Transmission - 500 kV - TSP Erection	1-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Erection	3/4-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Erection	Worker Commute Automobile	2	10	10	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Backhoe/Front Loader	8	1	4	--	Tractors/Loaders/ Backhoes	200	6	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Compressor Trailer	8	1	4	--	Air Compressors	60	8	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Excavator	8	1	4	--	Excavators	160	4	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	3/4-Ton Truck, 4x4	8	1	4	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Dump Truck	8	1	4	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Foundation Removal	Worker Commute Automobile	8	4	4	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Haul	Boom/Crane Truck	1	1	4	--	Cranes	350	6	100	0	53	104
Transmission - 500 kV - TSP Haul	3/4-Ton Truck, 4x4	1	1	4	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Haul	Flat Bed Pole Truck	1	1	4	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Haul	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Removal	Boom/Crane Truck	6	1	6	--	Cranes	350	6	100	0	53	104
Transmission - 500 kV - TSP Removal	Compressor Trailer	6	1	6	--	Air Compressors	60	8	100	0	53	104
Transmission - 500 kV - TSP Removal	R/T Crane (M)	6	1	6	--	Cranes	215	6	100	0	53	104
Transmission - 500 kV - TSP Removal	1-Ton Truck, 4x4	6	2	6	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Removal	Flat Bed Truck/Trailer	6	1	6	HHDT	--	--	--	100	0	53	104
Transmission - 500 kV - TSP Removal	Worker Commute Automobile	6	6	6	Passenger	--	--	--	100	0	53	104
Transmission - 500 kV - Wood Pole Modification (6)	Boom/Crane Truck	2	1	10	--	Cranes	350	6	75	25	105	91
Transmission - 500 kV - Wood Pole Modification (6)	Compressor Trailer	2	1	10	--	Air Compressors	60	4	75	25	105	91
Transmission - 500 kV - Wood Pole Modification (6)	Manlift/Bucket Truck	2	1	10	--	Aerial Lifts	250	6	75	25	105	91

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Transmission - 500 kV - Wood Pole Modification (6)	1-Ton Truck, 4x4	2	2	10	Passenger	--	--	--	75	25	105	91
Transmission - 500 kV - Wood Pole Modification (6)	Flat Bed Truck/ Trailer	2	1	10	HHDT	--	--	--	75	25	105	91
Transmission - 500 kV - Wood Pole Modification (6)	Worker Commute Automobile	2	10	10	Passenger	--	--	--	75	25	105	91
Telecommuications												
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Backhoe/Front Loader	10	1	8	--	Tractors/Loaders/ Backhoes	200	6	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Concrete Pump	2	1	8	--	Pumps	350	6	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Crane	6	1	8	--	Cranes	350	4	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Drill Rig	7	1	8	--	Bore/Drill Rigs	500	6	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Fork lift	10	1	8	--	Forklifts	200	4	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	1-Ton Crew Cab 4x4	12	1	8	Passenger	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	2-Ton Truck	12	1	8	Delivery	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Concrete Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Dump Truck	7	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Flat Bed Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Barstow Communication Repeater - Tower/Shelter Installation	Worker Commute Automobile	12	8	8	Passenger	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Backhoe/front loader	10	1	8	--	Tractors/Loaders/ Backhoes	200	6	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Concrete Pump	2	1	8	--	Pumps	350	6	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Crane	6	1	8	--	Cranes	350	4	100	0	79	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Drill Rig	7	1	8	--	Bore/Drill Rigs	500	6	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Fork lift	10	1	8	--	Forklifts	200	4	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	1-Ton Crew Cab 4x4	12	1	8	Passenger	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	2-Ton Truck	12	1	8	Delivery	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Concrete Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Dump Truck	7	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Flat Bed Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Kelbaker Communication Repeater - Tower/Shelter Installation	Worker Commute	12	8	8	Passenger	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Backhoe/Front Loader	10	1	8	--	Tractors/Loaders/ Backhoes	200	6	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Concrete Pump	2	1	8	--	Pumps	350	6	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Crane	6	1	8	--	Cranes	350	4	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Drill Rig	7	1	8	--	Bore/Drill Rigs	500	6	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Fork lift	10	1	8	--	Forklifts	200	4	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	1-Ton Crew Cab 4x4	12	1	8	Passenger	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	2-Ton Truck	12	1	8	Delivery	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Concrete Truck	2	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Dump Truck	7	1	8	HHDT	--	--	--	100	0	79	0
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Flat Bed Truck	2	1	8	HHDT	--	--	--	100	0	79	0

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Telecom - Lanfair Communication Repeater - Tower/Shelter Installation	Worker Commute Automobile	12	8	8	Passenger	--	--	--	100	0	79	0
Distribution												
Distribution - Barstow Communication Repeater - Overhead Line Work(2)	55-Foot Double Bucket Truck	1	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Barstow Communication Repeater - Overhead Line Work(2)	60-Foot Digger Derrick	1	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Barstow Communication Repeater - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	1	1	6	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Overhead Line Work(2)	Worker Commute Automobile	1	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Pole Installation (5)	55-Foot Double Bucket Truck	1	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Barstow Communication Repeater - Pole Installation (5)	60-Foot Digger Derrick	1	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Barstow Communication Repeater - Pole Installation (5)	1-Ton Crew Cab, 4x4	1	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Pole Installation (5)	Worker Commute Automobile	1	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Trenching, Structure Excavation(1)	Backhoe Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	300	8	100	0	79	78
Distribution - Barstow Communication Repeater - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Makeup (4)	1- Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Barstow Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	55-Foot Double Bucket Truck	1	1	4	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Hydraulic Rewind Puller	1	1	4	--	Other Construction Equipment	300	6	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	1-Ton Crew Cab, 4x4	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Barstow Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Deep Creek T-Line Undercrossing - Overhead Line Work(2)	55-Foot Double Bucket Truck	1	1	6	--	Aerial Lifts	300	7	100	0	39	0
Distribution - Deep Creek T-Line Undercrossing - Overhead Line Work(2)	60-Foot Digger Derrick	1	1	6	--	Bore/Drill Rigs	275	4	100	0	39	0
Distribution - Deep Creek T-Line Undercrossing - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	1	1	6	Passenger	--	--	--	100	0	39	0
Distribution - Deep Creek T-Line Undercrossing - Overhead Line Work(2)	Worker Commute Automobile	1	6	6	Passenger	--	--	--	100	0	39	0
Distribution - Kelbaker Communication Repeater - Overhead Line Work(2)	55-Foot Double Bucket Truck	2	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Kelbaker Communication Repeater - Overhead Line Work(2)	60-Foot Digger Derrick	2	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Kelbaker Communication Repeater - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	2	1	6	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Overhead Line Work(2)	Worker Commute Automobile	2	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Pole Installation (5)	55-Foot Double Bucket Truck	4	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Kelbaker Communication Repeater - Pole Installation (5)	60-Foot Digger Derrick	4	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Kelbaker Communication Repeater - Pole Installation (5)	1-Ton Crew Cab, 4x4	4	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Pole Installation (5)	Worker Commute Automobile	4	6	6	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Kelbaker Communication Repeater - Trenching, Structure Excavation(1)	Backhoe/Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	200	8	100	0	79	78
Distribution - Kelbaker Communication Repeater - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Makeup (4)	1-Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	55-Foot Double Bucket Truck	1	1	4	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Hydraulic Rewind Puller	1	1	4	--	Other Construction Equipment	300	6	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	1-Ton Crew Cab, 4x4	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Kelbaker Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Overhead Line Work(2)	55-Foot Double Bucket Truck	3	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Lanfair Communication Repeater - Overhead Line Work(2)	60-Foot Digger Derrick	3	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Lanfair Communication Repeater - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	3	1	6	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Lanfair Communication Repeater - Overhead Line Work(2)	Worker Commute Automobile	3	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Pole Installation (5)	55-Foot Double Bucket Truck	9	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Lanfair Communication Repeater - Pole Installation (5)	60-Foot Digger Derrick	9	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Lanfair Communication Repeater - Pole Installation (5)	1-Ton Crew Cab, 4x4	9	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Pole Installation (5)	Worker Commute Automobile	9	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Trenching, Structure Excavation(1)	Backhoe Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	300	8	100	0	79	78
Distribution - Lanfair Communication Repeater - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Makeup (4)	1-Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	55-Foot Double Bucket Truck	1	1	4	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Hydraulic Rewind Puller	1	1	4	--	Other Construction Equipment	300	6	100	0	79	78
Distribution - Lanfair Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	1-Ton Crew Cab, 4x4	1	1	4	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Lanfair Communication Repeater - Underground Cable Pulling (3)& Transformer Installation	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	100-Foot Bucket Truck	4	1	6	--	Aerial Lifts	350	8	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	40-Ton Crane	4	1	6	--	Cranes	300	8	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	55-Foot Double Bucket Truck	40	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	60-Foot Digger Derrick	40	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	40	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Overhead Line Work(2)	Worker Commute Automobile	40	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Pole Installation (5)	55-Foot Double Bucket Truck	4	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Pole Installation (5)	60-Foot Digger Derrick	4	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Pole Installation (5)	1-Ton Crew Cab, 4x4	4	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Pole Installation (5)	Worker Commute Automobile	4	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Trenching, Structure Excavation(1)	Backhoe Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	300	8	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Ludlow Series Cap- SC5 - Underground Cable Makeup (4)	1- Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Ludlow Series Cap- SC5 - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	100-Foot Bucket Truck	4	1	6	--	Aerial Lifts	350	8	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	40-Ton Crane	4	1	6	--	Cranes	300	8	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	55-Foot Double Bucket Truck	4	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	60-Foot Digger Derrick	4	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	1-Ton Crew Cab, 4x4	4	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Overhead Line Work(2)	Worker Commute Automobile	4	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Pole Installation (5)	55-Foot Double Bucket Truck	4	1	6	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Pole Installation (5)	60-Foot Digger Derrick	4	1	6	--	Bore/Drill Rigs	275	4	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Pole Installation (5)	1-Ton Crew Cab, 4x4	4	2	6	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Pole Installation (5)	Worker Commute Automobile	4	6	6	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Trenching, Structure Excavation(1)	Backhoe Front Loader	1	1	4	--	Tractors/Loaders/ Backhoes	300	8	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Trenching, Structure Excavation(1)	1-Ton Crew Cab	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Trenching, Structure Excavation(1)	Dump Truck	1	1	4	HHDT	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Trenching, Structure Excavation(1)	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Underground Cable Makeup (4)	55-Foot Double Bucket Truck	1	1	3	--	Aerial Lifts	300	4	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Underground Cable Makeup (4)	1-Ton Crew Cab, 4x4	1	1	3	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap- SC2 - Underground Cable Makeup (4)	Worker Commute Automobile	1	3	3	Passenger	--	--	--	100	0	79	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Distribution - Newberry Springs Series Cap-SC2 - Underground Cable Pulling (3)& Transformer Installation	55-Foot Double Bucket Truck	1	1	4	--	Aerial Lifts	300	7	100	0	79	78
Distribution - Newberry Springs Series Cap-SC2 - Underground Cable Pulling (3)& Transformer Installation	Hydraulic Rewind Puller	1	1	4	--	Other Construction Equipment	300	6	100	0	79	78
Distribution - Newberry Springs Series Cap-SC2 - Underground Cable Pulling (3)& Transformer Installation	1-Ton Crew Cab, 4x4	1	1	4	Passenger	--	--	--	100	0	79	78
Distribution - Newberry Springs Series Cap-SC2 - Underground Cable Pulling (3)& Transformer Installation	Worker Commute Automobile	1	4	4	Passenger	--	--	--	100	0	79	78
Substations												
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Bobcat	85	2	15	--	Skid Steer Loaders	200	5	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Crane	85	1	15	--	Cranes	350	4	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Forklift	85	2	15	--	Forklifts	200	5	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Generator	85	2	15	--	Generator Sets	50	8	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Manlift	85	2	15	--	Aerial Lifts	150	5	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Foreman's Truck	85	1	15	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Job Site Utility Cart	85	4	15	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Tool Truck	85	2	15	Delivery	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Electrical (Phase 1)	Worker Commute Automobile	85	15	15	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Backhoe	70	2	15	--	Tractors/Loaders/ Backhoes	200	4	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Bobcat	70	2	15	--	Skid Steer Loaders	200	5	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Compactor	70	1	15	--	Rollers	300	5	0	100	0	39

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Excavator	70	2	15	--	Excavators	160	5	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Generator	70	2	15	--	Generator Sets	50	8	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Grader	70	2	15	--	Graders	290	8	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	LoDrill	70	1	15	--	Bore/Drill Rigs	200	5	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Skip Loader	70	1	15	--	Tractors/Loaders/ Backhoes	150	4	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Trencher	70	1	15	--	Trenchers	175	5	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Dump Truck	70	1	15	HHDT	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Foreman's Truck	70	1	15	Passenger	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Fuel Truck	70	1	15	HHDT	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Job site Utility Cart	70	4	15	Passenger	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Low Bed Hauler	70	1	15	HHDT	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Tool Truck	70	2	15	Delivery	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Water Truck	70	2	15	HHDT	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Grading/Civil (Phase 1)	Worker Commute Automobile	70	15	15	Passenger	--	--	--	0	100	0	39
Substation - ELD Sub-Line Pos - Survey (Phase 1 - Lugo)	Foreman's Truck	15	1	2	Passenger	--	--	--	0	100	184	156
Substation - ELD Sub-Line Pos - Survey (Phase 1 - Lugo)	Job site Utility Cart	15	1	2	Passenger	--	--	--	0	100	184	156
Substation - ELD Sub-Line Pos - Survey (Phase 1 - Lugo)	Tool Truck	15	1	2	Delivery	--	--	--	0	100	184	156
Substation - ELD Sub-Line Pos - Survey (Phase 1 - Lugo)	Worker Commute Automobile	15	2	2	Passenger	--	--	--	0	100	184	156

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - ELD Sub-Line Pos - Survey (Phase 2 - Mohave)	Foreman's Truck	15	1	2	Passenger	--	--	--	0	100	236	78
Substation - ELD Sub-Line Pos - Survey (Phase 2 - Mohave)	Job site Utility Cart	15	1	2	Passenger	--	--	--	0	100	236	78
Substation - ELD Sub-Line Pos - Survey (Phase 2 - Mohave)	Tool Truck	15	1	2	Delivery	--	--	--	0	100	236	78
Substation - ELD Sub-Line Pos - Survey (Phase 2 - Mohave)	Worker Commute Automobile	15	2	2	Passenger	--	--	--	0	100	236	78
Substation - ELD Sub-Line Pos - Testing	Test Truck	140	2	5	Delivery	--	--	--	0	100	0	66
Substation - ELD Sub-Line Pos - Testing	Worker Commute Automobile	140	4	5	Passenger	--	--	--	0	100	0	66
Substation - ELD Sub-Line Pos - Wiring	Manlift	60	1	5	--	Aerial Lifts	150	5	0	100	0	30
Substation - ELD Sub-Line Pos - Wiring	Foreman's Truck	60	1	5	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Wiring	Job Site Utility Cart	60	2	5	Passenger	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Wiring	Tool Truck	60	2	5	Delivery	--	--	--	0	100	0	30
Substation - ELD Sub-Line Pos - Wiring	Worker Commute Automobile	60	5	5	Passenger	--	--	--	0	100	0	30
Substation - Lugo-Line Pos - Electrical (SC1)	Bobcat	35	2	15	--	Skid Steer Loaders	200	5	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Crane	35	1	15	--	Cranes	350	4	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Forklift	35	2	15	--	Forklifts	200	5	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Generator	35	2	15	--	Generator Sets	50	8	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Manlift	35	2	15	--	Aerial Lifts	150	5	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Foreman's Truck	35	1	15	Passenger	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Job Site Utility Cart	35	4	15	Passenger	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Tool Truck	35	2	15	Delivery	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Electrical (SC1)	Worker Commute Automobile	35	15	15	Passenger	--	--	--	100	0	0	95

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - Lugo-Line Pos - Electrical (SC4)	Bobcat	35	2	15	--	Skid Steer Loaders	200	5	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Crane	35	1	15	--	Cranes	350	4	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Forklift	35	2	15	--	Forklifts	200	5	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Generator	35	2	15	--	Generator Sets	50	8	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Manlift	35	2	15	--	Aerial Lifts	150	5	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Foreman's Truck	35	1	15	Passenger	--	--	--	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Job Site Utility Cart	35	4	15	Passenger	--	--	--	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Tool Truck	35	2	15	Delivery	--	--	--	100	0	0	28
Substation - Lugo-Line Pos - Electrical (SC4)	Worker Commute Automobile	35	15	15	Passenger	--	--	--	100	0	0	28
Substation - Lugo-Line Pos - Grading/Civil	Backhoe	45	2	15	--	Tractors/Loaders/ Backhoes	200	4	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Bobcat	45	2	15	--	Skid Steer Loaders	200	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Compactor	45	1	15	--	Rollers	300	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Excavator	45	2	15	--	Excavators	160	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Generator	45	2	15	--	Generator Sets	50	8	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Grader	45	2	15	--	Graders	290	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	LoDrill	45	1	15	--	Bore/Drill Rigs	200	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Skip Loader	45	1	15	--	Tractors/Loaders/ Backhoes	150	4	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Trencher	45	1	15	--	Trenchers	175	5	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Dump Truck	45	1	15	HHDT	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Foreman's Truck	45	1	15	Passenger	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Fuel Truck	45	1	15	HHDT	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Job Site Utility Cart	45	4	15	Passenger	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Low Bed Hauler	45	1	15	HHDT	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Tool Truck	45	2	15	Delivery	--	--	--	100	0	53	27

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - Lugo-Line Pos - Grading/Civil	Water Truck	45	2	15	HHDT	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Grading/Civil	Worker Commute Automobile	45	15	15	Passenger	--	--	--	100	0	53	27
Substation - Lugo-Line Pos - Survey	Foreman's Truck	15	1	2	Passenger	--	--	--	100	0	67	156
Substation - Lugo-Line Pos - Survey	Job Site Utility Cart	15	1	2	Passenger	--	--	--	100	0	67	156
Substation - Lugo-Line Pos - Survey	Tool Truck	15	1	2	Delivery	--	--	--	100	0	67	156
Substation - Lugo-Line Pos - Survey	Worker Commute Automobile	15	2	2	Passenger	--	--	--	100	0	67	156
Substation - Lugo-Line Pos - Testing (SC1)	Test Truck	60	2	4	Delivery	--	--	--	100	0	0	130
Substation - Lugo-Line Pos - Testing (SC1)	Worker Commute Automobile	60	4	4	Passenger	--	--	--	100	0	0	130
Substation - Lugo-Line Pos - Testing (SC4)	Test Truck	60	2	4	Delivery	--	--	--	100	0	0	26
Substation - Lugo-Line Pos - Testing (SC4)	Worker Commute Automobile	60	4	4	Passenger	--	--	--	100	0	0	26
Substation - Lugo-Line Pos - Wiring (SC1)	Manlift	45	1	5	--	Aerial Lifts	150	5	100	0	0	95
Substation - Lugo-Line Pos - Wiring (SC1)	Foreman's Truck	45	1	5	Passenger	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Wiring (SC1)	Job Site Utility Cart	45	2	5	Passenger	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Wiring (SC1)	Tool Truck	45	2	5	Delivery	--	--	--	100	0	0	95
Substation - Lugo-Line Pos - Wiring (SC1)	Worker Commute Automobile	45	5	5	Passenger	--	--	--	100	0	0	95
Substation - Mohave-Line Pos - Electrical	Bobcat	45	2	15	--	Skid Steer Loaders	200	5	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Crane	45	1	15	--	Cranes	350	4	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Forklift	45	2	15	--	Forklifts	200	5	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Generator	45	2	15	--	Generator Sets	50	8	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Manlift	45	2	15	--	Aerial Lifts	150	5	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Foreman's Truck	45	1	15	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Job Site Utility Cart	45	4	15	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Tool Truck	45	2	15	Delivery	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Electrical	Worker Commute Automobile	45	15	15	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Backhoe	45	2	15	--	Tractors/Loaders/ Backhoes	200	4	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Bobcat	45	2	15	--	Skid Steer Loaders	200	5	0	100	0	40

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Compactor	45	1	15	--	Rollers	300	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Excavator	45	2	15	--	Excavators	160	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Generator	45	2	15	--	Generator Sets	50	8	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Grader	45	2	15	--	Graders	290	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	LoDrill	45	1	15	--	Bore/Drill Rigs	200	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Skip Loader	45	1	15	--	Tractors/Loaders/ Backhoes	150	4	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Trencher	45	1	15	--	Trenchers	175	5	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Dump Truck	45	1	15	HHDT	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Foreman's Truck	45	1	15	Passenger	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Fuel Truck	45	1	15	HHDT	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Job site Utility Cart	45	4	15	Passenger	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Low Bed Hauler	45	1	15	HHDT	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Tool Truck	45	2	15	Delivery	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Water Truck	45	2	15	HHDT	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Grading/Civil (Phase 1)	Worker Commute Automobile	45	15	15	Passenger	--	--	--	0	100	0	40
Substation - Mohave-Line Pos - Survey (Phase 1 - Eldorado)	Foreman's Truck	10	1	2	Passenger	--	--	--	0	100	236	78
Substation - Mohave-Line Pos - Survey (Phase 1 - Eldorado)	Job site Utility Cart	10	1	2	Passenger	--	--	--	0	100	236	78
Substation - Mohave-Line Pos - Survey (Phase 1 - Eldorado)	Tool Truck	10	1	2	Delivery	--	--	--	0	100	236	78

Activity	Equipment Type	Approx. Total Days Used	Approx. Quantity	Approximate Number of Workers	On-Road Type	Off-Road Type	Output (Hp)	Approx. Use (hours per day)	Approx. Use by State (percent)		Maximum Days Used	
									CA	NV	2019	2020
Substation - Mohave-Line Pos - Survey (Phase 1 - Eldorado)	Worker Commute Automobile	10	2	2	Passenger	--	--	--	0	100	236	78
Substation - Mohave-Line Pos - Testing	Test Truck	75	2	4	Delivery	--	--	--	0	100	0	39
Substation - Mohave-Line Pos - Testing	Worker Commute Automobile	75	4	4	Passenger	--	--	--	0	100	0	39
Substation - Mohave-Line Pos - Wiring	Manlift	25	1	5	--	Aerial Lifts	150	5	0	100	0	30
Substation - Mohave-Line Pos - Wiring	Foreman's Truck	60	1	5	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Wiring	Job Site Utility Cart	60	2	5	Passenger	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Wiring	Tool Truck	60	2	5	Delivery	--	--	--	0	100	0	30
Substation - Mohave-Line Pos - Wiring	Worker Commute Automobile	60	5	5	Passenger	--	--	--	0	100	0	30

Notes: "--" = Not Applicable

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 43 (B-20):

Describe the different types of activities to be undertaken during construction; the number of crew members for each activity i.e. trenching, grading, etc.; and number and types of equipment expected to be used for said activity. Include a written description of the activity. See example below.

A table has been provided (Attachment 3-C) for individual pieces of equipment, number of pieces of equipment, and number of personnel and hours associated with each type of equipment, but a written description of the activity is not included. Attachment 3-C provides numeric information but is not descriptive.
A. To more fully understand the various activities to be undertaken during construction, please provide a narrative description of construction activities for major project elements. Examples include the distribution system, OPGW wire installation, substation changes, and tower and earth work associated with discrepancy adjustments. For each element, identify the sequence and duration of activities, expected size of crews, and equipment required.

Response to Question 43 (B-20):

The description of work is included in Chapter 3, Table 3-15 (see attached file "Table 3-15 Const Equip Desc.") and should be consistent with the attached file "Attach 3-C" that is also included in Chapter 3 of the PEA. Additionally, please refer to Section 3.7 Construction of Chapter 3 which describes the individual construction activities associated with the Proposed Project. Also, please see attached file "Attach B611-Construction Schedule Summary" which provides additional construction related information in terms of schedule summary, construction workforce, and construction sequencing.

File Attachments
Attachment: ELM_Q#42,Q#43_3.75 Const, Work&Equip_Attach 3-C_20180716
Attachment: ELM_Q#43_3.75 Const, W&E_Attach B611-Construction Schedule Summary_20180625
ELM_Q#43_3.75 Const, Work&Equip_Table 3-15 Const Equip Desc._20180716.pdf

Table 3-15: Construction Equipment Description

Equipment Type	Use Description
1-Ton Crew Cab	Transport and support construction personnel
¾-Ton Truck/Foreman's Truck	Transport and support construction personnel
Backhoe	Excavate and load materials
Bobcat	Excavate, move, and load materials
Bucket Truck	Lift and transport workers; and frame and string overhead cable lines
Bullwheel Puller	Install underground components
Compactor	Compact soil
Compressor Trailer	Provide compressed air for pneumatic tools
Concrete Mixer Truck	Deliver and mix concrete
Crane/Boom Truck	Lift and place materials
Digger Derrick	Dig holes, hoist, and set utility poles
Ditch Witch	Dig trenches
Dozer	Grade pads and access roads
Drill Rig	Drill subsurface holes
Dump Truck	Transport import/export material
Excavator	Excavate materials
Fiber Tensioner	Remove and install OPGW
Flatbed Truck	Deliver poles and hardware
Forklift	Lift and move materials
Foundation Auger	Drill foundation holes
Generator	Provide power to the work area
Grader	Grade substation site, pads, and access roads; ROW clearing; and restoration
V-Groove Puller	Remove and install OPGW
Helicopter	Install conductor/OPGW
Helicopter Support Truck	Install conductor/OPGW
Hydraulic Crane	Lift and place materials

Equipment Type	Use Description
Hydraulic Rewind Puller	Pull conductor/OPGW
LoDrill	Drill foundation holes
Low Bed Hauler	Transport equipment
Low Side End Dump	Transport import/export material
Manlift	Set steel and install equipment
Motor Grader	Grade terrain
Paving Machine	Lay asphalt
Reach Lift	Install equipment
Rock Crusher	Process and crush oversized rocks
Scissor Lift	Provide access to elevated work areas
Scraper	Grade pads and access roads
Semi-Tractor Truck	Transport materials
Skid Steer Loader	Move materials
Skip Loader	Move or load materials
Static Truck/Tensioner	Provide tension during conductor/OPGW during installation
Splicing Lab/Truck	Splice conductor/OPGW
Storage Trailer	Storage
Test Truck (less than 1-ton truck)	Transport workers and test equipment to site
Tool Truck	Transport tools
Trencher	Dig trenches
Utility Cart	Support construction activities
Van (Cargo)	Transport telecommunications personnel and equipment
Water Buffalo	Transport water
Water Pull	Suppress dust and condition soil for compaction
Water Truck	Suppress dust and condition soil for compaction
Wire Truck/Trailer	Transport and hold conductor/OPGW during stringing operations

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 44 (B-21):

Provide a list of the types of equipment expected to be used during construction of the Proposed Project as well as a brief description of the use of the equipment. See example below.

An equipment list has been provided (as Chapter 3 Attachment 3-C). However, a written description of equipment use is not included.
A. Please provide a brief description of the equipment and its use. See the example below and to the left.

Response to Question 44 (B-21):

Table 3-15: Construction Equipment Description

Equipment Type	Use Description
1-Ton Crew Cab	Transport and support construction personnel
¾-Ton Truck/Foreman's Truck	Transport and support construction personnel
Backhoe	Excavate and load materials
Bobcat	Excavate, move, and load materials
Bucket Truck	Lift and transport workers; and frame and string overhead cable lines
Bullwheel Puller	Install underground components
Compactor	Compact soil
Compressor Trailer	Provide compressed air for pneumatic tools
Concrete Mixer Truck	Deliver and mix concrete
Crane/Boom Truck	Lift and place materials
Digger Derrick	Dig holes, hoist, and set utility poles
Ditch Witch	Dig trenches
Dozer	Grade pads and access roads
Drill Rig	Drill subsurface holes
Dump Truck	Transport import/export material
Excavator	Excavate materials
Fiber Tensioner	Remove and install OPGW
Flatbed Truck	Deliver poles and hardware
Forklift	Lift and move materials
Foundation Auger	Drill foundation holes
Generator	Provide power to the work area
Grader	Grade substation site, pads, and access roads; ROW clearing; and restoration
V-Groove Puller	Remove and install OPGW
Helicopter	Install conductor/OPGW
Helicopter Support Truck	Install conductor/OPGW
Hydraulic Crane	Lift and place materials

Southern California Edison
ELM Project A.18-05-007

DATA REQUEST SET A1805007-ED-SCE-DEF-001

To: ENERGY DIVISION
Prepared by: Joel Bondoc
Title: TPD Project Manager
Dated: 07/17/2018

Question 45 (B-22):

If additional full time staff would be required for operation and/or maintenance, provide the number and for what purpose.

PEA Section 3.8 (Operation and Maintenance) describes O&M activities but does not specify if additional full time O&M staff would be required.

A. Please confirm whether O&M activities for the proposed project would require additional staff.

Response to Question 45 (B-22):

O&M activities for the proposed project will not require full time staffing. O&M activities will only be needed for requesting and holding SCE circuit clearances, and patrolling the circuits as needed.

The existing facilities, with the addition of the new mid-line series capacitors will be included in the existing staff's roles and responsibilities. There will be no additional O&M staffing from Substation, Transmission, Sub-Transmission, Distribution and Transmission Telecom required for the proposed project. O&M Substation staffing will be supported and mobilized from a pre-existing pool of employees based out of Lugo and/or Eldorado Substations.