

Southern California Edison

WSD-011 – Resolution implementing the requirements of Public Utilities Code Sections 8389(d)(1), (2) and (4) related to catastrophic wildfire caused by electrical corporations subject to the Commission’s regulatory authority

DATA REQUEST SET W S D - S C E - 0 0 2

To: WSD

Prepared by: Kyle Addiss

Job Title: Principal Manager

Received Date: 3/1/2021

Response Date: 3/4/2021

Question 002 b. and d.:

In order to demonstrate adequacy of size of service restoration workforce (requirement 8386(c)(15)) provide the following:

b. Report the type and number of each personnel classification currently employed by [insert utility] that are involved in service restoration activities, including an explanation of what roles and responsibilities they have.

d. How many contractors are in place for service restoration? Explain the type and number of personnel classifications retained as contractors

Response to Question 002 b. and d.:

SCE details its service restoration activities in Section 7.3.9.1 of its 2021 WMP Update, as well as in its Storm Response Plan filed pursuant to General Order 166. As discussed in these materials, SCE maintains a large, highly skilled field workforce (both employees and contractors) to provide effective emergency response and restoration of service during and after a major event. In addition, SCE’s existing mutual assistance agreements, as discussed in more detail in response to question 2(c), can be activated in situations where the response exceeds the capacity of SCE’s crews and emergency contracting capabilities.

SCE currently employs nearly 1,700 transmission and distribution field workers in the job classifications identified below (as of February 2021). During and after an event requiring service restoration, SCE will draw upon these field crews to restore service quickly and safely. The specific number of resources that are used to restore service after an event depends on the size and scope of the event and associated restoration required. These positions consist of:

Position	Count	Roles and Responsibilities
Foreman, Electrical Crew	157	Supervise 1 to 4 employees and work on a crew to install, remove, maintain, operate, repair, patrol and test overhead and underground electrical distribution systems using all applicable rules, approved tools, appropriate Personal Protective Equipment (PPE) gear and safe work practices.

		Receive drawings, specifications and instructions. Plan and lay out work. Assign tasks, work with and train crew personnel in all aspects of line construction and maintenance. Keep records and submit reports of crew activities using manual and/or automated methods. Perform related duties as directed.
Groundman	355	Assists Lineman to gain poles, frame crossarms, assemble guys and splice wire; loads and unloads material; raises material and tools on pole or tower by use of handline; dismantles material removed from line and places on trucks; digs holes for poles and anchors, drives ground rods and pulls wires and guys to tension; attends winch while handling heavy material and attends reels while stringing wire; makes and maintains trails; fells trees and burns brush and trimmings; hoes weeds around poles and towers; may patrol lines in mountain area to observe for conditions such as trees in line, brush in right of way, slides and washouts; learns tools, materials and methods of line construction and maintenance; may occasionally operate vehicles up to the 12,000 lb. unladen weight class; performs other miscellaneous manual labor functions as directed.
Journeyman Lineman	689	Works on a crew of up to 5 employees to install, remove, maintain, operate, repair, patrol and test overhead and underground electrical distribution systems using all applicable rules, approved tools, appropriate PPE gear and safe work practices. Receive drawings, specifications and instructions. Plan and lay out work. Assign tasks, work with and train crew personnel in all aspects of line construction and maintenance. Keep records and submit reports of crew activities using manual and/or automated methods.
Lineman, Apprentice	275	Learning, practicing and demonstrating competence in the various skills required under both normal and abnormal conditions. Specifically, the training program will give each Apprentice: <ul style="list-style-type: none"> • Knowledge of the job tasks and responsibilities of a lineman. • Skills to safely operate hand tools, power tools and equipment used by a lineman to perform job tasks.

		<ul style="list-style-type: none"> • Knowledge of SCE transmission and distribution equipment and operating procedures used by a lineman. • Knowledge of the fundamental principles of electric T&D power systems. • Human interface skills used by a lineman, including oral and written communication skills and teamwork.
Troubleman	214	<p>Working along or with others, patrols, inspects, maintains and operates overhead and underground electrical distribution circuits and associated equipment. Prioritizes and assigns work when acting in a lead or supervisory capacity. Performs activities such as investigating service interruptions, making permanent or temporary repairs, establishing and/or disconnecting service, installing and removing meters, performing volt/amp checks, replacing fuses, restoring service on customer calls, operating switching equipment, operating substations, reporting fire status, and patrolling and servicing streetlight systems. Receives trouble calls by various telecommunication mediums. Determines and acts upon abnormal conditions that may require additional resources. Uses applicable Injury and Illness Prevention Rules, approved tools and safety equipment to work on or near energized lines or equipment. Clears conductors of circuits energized over 600 volts in trouble or emergency situations. Operates construction vehicles, auxiliaries and other powered equipment. Trains, evaluates and assists other employees as required.</p>

SCE supplements its employee field workforce by using external contractors. These contractor resources help to maintain SCE's electric system and provide electric service to our customers. This includes restoring power to customers after an event. Over the past year, SCE has had on average 227 distribution four-man equivalent contractor crews and 13 transmission 6-man equivalent contractor crews. The worker titles and functions of workers within these contractor crews are similar to those for SCE employee crews, however, each contractor determines the composition of specific personnel classifications necessary to complete the requested work. In addition, SCE may also solicit new contractor resources as necessary to meet demands.

As discussed in Section 7.9.3 of the 2021 WMP Update, SCE maintains detailed plans and procedures to anticipate and respond to emergency events. This includes a robust Incident Management Team (IMT) structure that can be organized to respond to events of different sizes.

The IMT is primarily staffed by trained SCE employees who perform various monitoring, communications, logistical, and other functions to support restoration work, when such work arises. Outside of IMT events, these employees fulfill their normal job functions. For reference, SCE has trained over 500 employees as qualified IMT members.