

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

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Job Title: Manager

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Response Date: 3/4/2021

Question 002 a. and c. :

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

- a. Describe your current service restoration processes (i.e., damage assessments, repairs, switching activities, etc.) and tools (boots on the ground, drones, helicopters, etc.).
- c. How many mutual aid agreements does the utility have in place? Explain the type and number of personnel classifications involved in each agreement (or the total number for all agreements).

Response to Question 002 a. and c. :

a) SCE believes the question is intended to reference requirement 8386(c)(13). SCE may have more than one Storm incident concurrently and may employ different damage assessment and restoration strategies based on the size, scope, and intensity of each incident. In smaller, more isolated incidents, SCE typically employs the standard order-based strategy that it uses under routine outage circumstances. As described below, this strategy is not effective in larger incidents where there is an overwhelming volume of orders. When incidents are larger, SCE moves to an area-based strategy where repair priorities are assigned by areas and circuits. This is a tactical decision made during the planning process for a given operational period and documented in the Incident Action Plan. The two strategy types, order-and area-based can be used together within an event as needed.

RESTORATION PRIORITIZATION

Due to the wide range and nature of incidents, SCE has identified guidelines to restore both the most critical and the largest numbers of customers as quickly as possible while prioritizing public health and safety. With safety of the public and employees as our priority, restoration efforts need to be done in the most efficient manner possible while also maintaining critical infrastructure.

Restoration priority strategy will be based on the following:

- If there is a total or partial system shutdown and subsequent restoration, SCE’s priority is to deliver off-site power for bulk power generation start-up. During the process of routing power, some customer load may be restored while energizing bulk power transformers for the coordination of protective relaying equipment, for voltage control, and while picking up station light and power
- Startup power for bulk power generation

- Switching Centers station light and power (if not carried by the emergency generator)
- Offsite power to Diablo and Palo Verde Nuclear Generating Stations if required
- Bulk Power Substations station light and power (if not carried by the emergency generator)
- Customer load

If the total system is not shut down:

- Protect public safety and ensure that utilities and public agencies have electricity
- Repair any facilities that have sustained damage
- Repair transmission lines (66 to 500 kV)
- Ensure substations and circuits are energized
- Repair distribution lines (4 to 66 kV) to restore/maintain service to large numbers of customers
- Repair tap lines to restore service to smaller numbers of customers
- Repair individual customer problems

Additional information can be found in SCE's Storm Response Plan, attached, developed in accordance with GO 166. Please also see SCE's Response to Q.2 part b.

c) SCE has 1,690 field personnel who are able to conduct electrical restoration. In addition to the nearly 1,700 field employees, SCE can call upon thousands of line workers across the country to support restoration of electric service. In 2018 after hurricane Maria devastated the electrical infrastructure of Puerto Rico SCE and approximately 60 other electric utilities sent 3000 line workers to there to restore electric services.

Currently, the Mutual Assistance Agreements (MAA) that exist are: (1) California Utilities Emergency Association (CUEA), among California utilities; (2) Western Regional Mutual Assistance (WRMAA), a regional agreement; (3) Edison Electric Institute (EEI), a national mutual assistance program.

When it is believed that SCE will not be able to provide restoration service to its customers within a reasonable time frame with its existing work force, SCE may call upon the member utilities that are a party to the MAAs listed above and request mutual assistance. These agreements do not limit types of personnel classifications that can be requested, nor do they limit or specify types of equipment that may be requested.