

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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Received Date: 3/1/2021

Response Date: 3/4/2021

Question 001:

Explain your company’s grid infrastructure rebuild standards (e.g., under-grounding, covered conductor, etc.) utilized for post-fire repairs and replacements.

Response to Question 001:

It is important for SCE to rebuild damaged infrastructure to the current SCE standards in an expedient manner to quickly restore power for the impacted customers after a fire. To help ensure quick restoration, SCE typically uses the same circuit routing and structure location, and keeps undamaged equipment. In addition, SCE typically replaces in a like-for-like infrastructure configuration, e.g., overhead facilities remain overhead, and underground facilities would remain underground.

The process starts with a thorough infrastructure assessment. This process helps SCE to identify damaged equipment and develop a comprehensive restoration plan, including design, equipment inventory and resources ramp-up, etc. SCE’s post-fire rebuild strategy follows the design standards for HFRA as described in SCE’s 2021 WMP Update Grid Hardening sections that includes covered conductor, fire-resistant pole (composite for intumescent wrap wood), composite cross arms, wildlife protection covers, CAL FIRE exempt materials such as spark prevention lightning arrestors, current limiting fuses, connectors, wildlife protection covers, switches, and transformers.