

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 4

To: WSD

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Response Date: 3/17/2021

Question 015:

Provide details on how the scope and content of increased asset inspection efforts differ from routine inspections apart from frequency of execution.

Response to Question 015:

Apart from frequency of execution, SCE’s High Fire Risk Informed Inspections differ from traditional routine inspections in two key ways: (1) They have a different focus and purpose: inspections go beyond identifying the conditions of existing assets that could be safety or reliability hazards under GO 95, and extend to identifying potential upgrades or other modifications to the assets that would help mitigate ignition risks based on recent data; and (2) They are conducted in different ways: aerial inspections and high-quality image capture provide a 360-degree view of assets that was previously unachievable from the ground inspections alone. The table below provides further information.

	Traditional Overhead Detailed Inspections	High Fire Risk-Informed Inspections
Objectives	Meet GO 165 and GO 95 compliance requirements.	Focus on mitigation of wildfire ignition risks by going beyond compliance requirements. Additional risk-informed inspection activities (e.g., long span, infrared scanning) designed and executed to capture a holistic view of each SCE HFRA asset.
Inspection Criteria	Identify broad safety and reliability hazards associated with existing asset conditions. Focus on common GO 95 infractions (e.g., leaking transformer, broken cross arms, missing high voltage signs); inspections emphasize identifying GO 95 infractions.	Identifying asset conditions and other asset attributes that are potential drivers of ignition risk, even for conditions that may be compliant with the general orders. Inspection checklist developed by engineers, risk analysts, and expert consultants to specifically target wildfire risks focusing on structural integrity, structural components and hardware conditions, and whether asset types and installation meet updated construction standards based on analysis of historical faults, near misses, and ignitions, and risk modeling.
Location	All overhead electrical assets throughout SCE’s HFRA and non-HFRA (i.e., total service territory).	All overhead electrical assets in SCE’s HFRA.

Recordkeeping and Data Collection	Capture (1) inspection status (such as complete, unable to inspect, etc.), and (2) asset conditions to the extent notifications are relevant to remediating GO 95 infractions.	Capture (1) inspection status, (2) detailed inspection records to establish asset-attribute baseline and compile data for asset-specific risk analysis, and (3) asset conditions and attributes that pose potential ignition risks for subsequent remediation.
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