

Southern California Edison
R.18-10-007 – SB 901

DATA REQUEST SET CEJA - SCE - 001

To: CEJA
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Response Date: 2/22/2019

Question 6: 6. Have you conducted any studies or relied on any studies to determine how effective capital expenditures for hardening the system are in relation to reducing wildfire risk? For example, have you studied or relied on studies that evaluate whether changing pole materials reduces wildfire risk? Please describe and produce any studies that you have relied upon related to the effectiveness of infrastructure studies in relation to reduction of wildfire risks.

Response to Question 6:

For capital expenditures to harden the system, such as those described in Section 4.3 of the Wildfire Management Plan, SCE has conducted and relied upon studies to determine how effective specific mitigations are expected to be in relation to reducing wildfire risk.

The Risk Assessment and Mitigation Phase (RAMP) report filed by SCE in November 2018 describes SCE's approach to risk-informed decision making. Please see RAMP Chapter 1 for a description of SCE's Risk Informed Decision Making process, and Chapter 10 for a description of analysis specific to Wildfire Risk. Please see workpaper section 10 for a description of mitigation effectiveness calculations for programs analyzed for the Wildfire risk.

SCE also performs and/or reviews technical studies to validate the effectiveness of asset hardening technologies. The following studies are an example of those that have been completed and/or referenced by SCE as part of the Wildfire Mitigation Plan, RAMP and GSRP filings:

Fire Resistant Composite Poles:

- GSRP footnote No. 95 - RS Technical Bulletin: 17-010, RS Poles and Fire Shields Fire Performance, at p. 1 (February 1, 2018), available at: <https://www.rspoies.com/sites/default/files/resources/C801---17-010---RS-Poles-and-Shields-Fire-Performance-01-Feb-18.pdf>
- "Performance of Wood and Composite Utility Poles under Severe Fire Exposures." This analysis is also supported by a confidential study that is proprietary to the third party that provided it.

Wildfire Covered Conductor Program:

- GSRP Workpapers Section (IV)(B)(e)(1): "Mitigation Effectiveness Comparison"
- GSRP Workpapers Section (IV)(B)(e)(1): "An Engineering Analysis on Impacts of Contact from Objects (CFO) on Bare vs. Covered Conductor"