

Southern California Edison
2023-WMPs – 2023-WMPs

DATA REQUEST SET Cal Advocates - SCE - 2023 WMP - 10

To: Cal Advocates
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Job Title: Senior Advisor
Received Date: 4/11/2023

Response Date: 4/14/2023

Question 01:

Regarding Table 9-02 (Frequently De-energized Circuits), on WMP Appendix F (p. 859-869), for the following entries: 11, 26, 58

- a) Please describe how SCE deployed Temporary Generation to benefit the number of customers stated.
- b) Please explain if SCE plans to use this same Temporary Generation again in future PSPS events. If so, will the same number of customers benefit each time?
- c) Please explain why SCE is not considering Targeted Undergrounding for any of these circuits.

Response to Question 01:

a) Please describe how SCE deployed Temporary Generation to benefit the number of customers stated

For Bouquet, Energy and Tuba circuits, SCE engineered and constructed a solution that would allow for mobile generators to be utilized to power a portion of the circuit if a PSPS de-energization occurred. The “underground load blocks” on these circuits are fully underground portions of the circuit that can be safely energized during high wind conditions, but are served by (and downstream of) overhead wire that may be proactively de-energized due to environmental threats that pose a risk to our infrastructure. So, SCE prepared the circuits to receive generation at those underground portions and retained mobile generators to be deployed in anticipation of a PSPS de-energization.

Each of these load blocks serve the number of customers listed in their respective lines in Table 9-02. SCE did not have an opportunity to deploy temporary generation to mitigate customer impacts in 2022 because Bouquet and Tuba were not de-energized and Energy was de-energized once without enough time to deploy a generator before re-energization was imminent.

b) Please explain if SCE plans to use this same Temporary Generation again in future PSPS events. If so, will the same number of customers benefit each time?

This mobile generation for underground load blocks was a temporary solution for these three circuits until their upstream, bare overhead circuitry could be covered, reducing the likelihood that the downstream underground portions would experience an outage. Now that the upstream portions of Bouquet, Energy and Tuba have been covered and have had their windspeed thresholds raised, SCE no longer plans to retain mobile generators for deployment on these circuits.

c) Please explain why SCE is not considering Targeted Undergrounding for any of these circuits.

SCE identified these circuits for covered conductor during the 2020-2022 period. At that time, SCE's TUG program was limited to a small amount of miles. Because SCE has already installed covered conductor on these lines, a substantial amount of wildfire and PSPS risk has been addressed. Although in some limited cases, it may be prudent - due to operational or emergent risk-related reasons - to consider undergrounding spans of lines that may previously have had covered conductor deployed, SCE ordinarily does not seek to underground existing overhead covered conductor.

SCE will continue to monitor the wildfire and PSPS risks associated with these lines to inform the implementation of any further grid hardening or complementary mitigations in the future.