

**PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigation Plans Discovery 2023
Data Response**

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| PG&E Data Request No.: | CalAdvocates_014-Q008 | | |
| PG&E File Name: | WMP-Discovery2023_DR_CalAdvocates_014-Q008 | | |
| Request Date: | April 11, 2023 | Requester DR No.: | CalAdvocates-PGE-2023WMP-14 |
| Date Sent: | April 17, 2023 | Requesting Party: | Public Advocates Office |
| DRU Index #: | | Requester: | Holly Wehrman |

The following questions relate to your 2023-2025 WMP submission.

QUESTION 008

P. 369 of PG&E's WMP states,

“For 2023, we have planned to install devices that will provide significant reliability benefits on fuse tap lines that are in the scope of EPSS.”

- a) Please quantify the “significant reliability benefits” that will be provided from devices installed in 2023.
- b) Please provide any available workpapers or studies to support your response to part (a).

ANSWER 008

- a) Significant reliability benefits are projected at 119,000 CESCO savings and 14.618 million customer minutes. During EPSS enablement, upstream protective devices are required to see faults beyond fuses to provide a gang trip of all three phases upon a fault condition. This practice nullifies the benefits of traditional line fuse protection. With these additional protective devices installed, protection granularity and corresponding reliability impact can be returned to the tapline or more downstream location where the new protective devices are replacing fuses. As an additional non-EPSS benefit, these devices can also function as traditional reclosers outside of EPSS enablement thereby reducing the occurrence of sustained outages through reclosing.
- b) Historical outage data was obtained for thousands of existing fuses on EPSS circuits. Outage data was used to prioritize existing fuses and their effect on reliability. Fuses are then replaced with SCADA operable Fuse Savers and Reclosers to realize the reliability benefits outlined in a) of this response. No work paper has been prepared in connection with this reliability benefit calculation.