

**PACIFIC GAS AND ELECTRIC COMPANY  
Wildfire Mitigation Plans Discovery 2022  
Data Response**

PG&E Data Request No.:	OEIS_007-Q17		
PG&E File Name:	WMP-Discovery2022_DR_OEIS_007-Q17		
Request Date:	March 28, 2022	Requester DR No.:	Data Request OEIS-PG&E-22-007
Date Sent:	March 30, 2022	Requesting Party:	Office of Energy Infrastructure Safety
PG&E Witness:		Requester:	Kevin Miller

**SUBJECT: EPSS RELIABILITY**

**QUESTION 17**

PG&E states that it will “initiate reliability mitigations on 50 EPSS capable circuits in the HFTD areas, HFRA and non HFTD buffer zones based on highest projected Customer Experiencing Sustained Outage (CESO).”

- a. Explain a list of what “reliability mitigations” includes.
- b. Provide calculations and explanations for how each mitigation is anticipated to improve reliability.

**ANSWER 17**

- a. Reliability mitigations could include work within the following categories.
  - i. CE: Critical Operating Equipment Notifications that either support enablement or reliability
  - ii. EC: Electric Corrective Maintenance tags that could impact reliability if not corrected prior to failure
  - iii. ER: Asset Replacement/Installation that could impact reliability if not corrected prior to impact or failure
  - iv. EVM: Enhanced Vegetation Management trimming that goes beyond regulatory clearance and trimming requirements
  - v. EV: Vegetation Notification that calls out a clearance issues that is required by regulatory clearance requirements
- b. These actions will have an impact on mitigating reliability impacts by resolving conditions that could result in an outage if not addressed. Resulting outage performance will be compared to historical CESO related to EPPS enabled circuits to calculate reliability results.
  - i. CE: Addressing critical operating equipment tags allows the circuit to be fully enabled in EPSS. Additionally, resolving the tag can mitigate a condition that could result in a larger outage when the circuit is enabled in EPSS.
  - ii. EC: Completion of identified maintenance conditions prior to failure will

prevent potential outages on these circuits

- iii. ER: Asset replacement/installation items include replacing non-exempt cutouts with exempt to reduce risk, Migratory Bird work that will install covers on identified locations to minimize bird caused outages and other items that will reduce risk or improve reliability.
- iv. EVM: Completing 2022 EVM work on the circuits that align to our top 50 circuits identified as part of EPSS
- v. EV: Complete reduced clearance conditions that could impact reliability if not addressed prior to a vegetation interaction with power lines