

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

PG&E Data Request No.:	CalAdvocates_013-Q08		
PG&E File Name:	WMP-Discovery2022_DR_CalAdvocates_013-Q08		
Request Date:	March 4, 2022	Requester DR No.:	CalAdvocates-PGE-2022WMP-13
Date Sent:	March 9, 2022	Requesting Party:	Public Advocates Office
PG&E Witness:		Requester:	Miles Gordon

The following questions relate to your 2022 WMP Update submission.

Note: if the report requested in question 1(a) contains a full response to any of the other questions or sub-parts, your responses thereto may consist of a citation to specific pages of the report.

QUESTION 08

PG&E's 2022 WMP provides the following for "Lessons Learned" from the REFCL initiative in 2021:

- PG&E should use gang operated switchgear and protective devices instead of single pole operated devices for REFCL installations.
- PG&E should consider the use of domestically available equipment for future REFCL installation to avoid foreign supply chain issues.¹
- a) Does PG&E intend to use "gang operated switchgear and protective devices instead of single pole operated devices for REFCL installations" going forward, including this Calistoga pilot?
- b) Why does PG&E conclude that it "should use gang operated switchgear and protective devices instead of single pole operated devices for REFCL installations" going forward?
- c) Does PG&E intend to use "domestically available equipment for future REFCL installation" going forward, including this Calistoga pilot?
- d) Has PG&E identified domestically available suppliers for REFCL equipment?
- e) If the answer to subpart (d) is "no", has PG&E identified any feasible options to solve the above-mentioned supply chain issues?

ANSWER 08

- a) Yes, the single phase fuses for the REFCL 12 kV service were replaced with a gang operated 3-phase line recloser acting as a breaker.
- b) The failure of the grounding transformer was due to overvoltage due to ferro-resonance. The ferro-resonance occurred because of single phase fuse operation

¹ PG&E's 2022 WMP, p. 556.

of the 12 kV service to the REFCL equipment. Gang operated 3-phase switch gear eliminates the chance of the ferro-resonance occurring.

- c) The only current REFCL equipment suppliers are international. PG&E will use domestic suppliers for the transformers where available.
- d) No
- e) Yes, PG&E will need to plan accordingly for the long lead time equipment. PG&E has modified the REFCL design to use fewer internationally sourced equipment.