

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

PG&E Data Request No.:	CalAdvocates_013-Q04		
PG&E File Name:	WMP-Discovery2022_DR_CalAdvocates_013-Q04		
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 04**

PG&E's 2022 WMP states:

The Calistoga REFCL pilot project finished construction in 2020. In 2021, PG&E attempted to commission and test the REFCL technology in Calistoga. PG&E completed an elevated voltage stress test and one field ground fault test which demonstrated that REFCL technology can be effective at reducing fault currents to below fire ignition levels.<sup>1</sup>

- a) Please explain what you mean by "REFCL technology can be effective at reducing fault currents to below fire ignition levels."
- b) Please define "fire ignition levels" as used the quotation above.
- c) In PG&E's testing of the Calistoga REFCL, to what extent did it reduce fault currents?

**ANSWER 04**

- a) Please refer to the report at page(s) 23 of Attachment "WMP-Discovery2022\_DR\_CalAdvocates\_013-Q01A1ch01.pdf" provided in response to Question 1(a). Results from ignition testing in Victoria, Australia were referenced (JA8648-0-0 REFCL Functional Performance Report).
- b) Please refer to REFCL Required Capacity Figure in the report on page(s) 23.
- c) Please refer to the report at page(s) 23. Only a single staged fault test was performed, and more testing of ground faults is planned during the remaining evaluation in 2022.

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<sup>1</sup> PG&E's 2022 WMP, p. 556.