

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

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| PG&E Data Request No.: | CalAdvocates_013-Q01 | | |
| PG&E File Name: | WMP-Discovery2022_DR_CalAdvocates_013-Q01 | | |
| 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 01

PG&E's 2021 Q4 Quarterly Initiative Update states the following regarding 2021 WMP Initiative 7.3.3.17.4—Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter:

The current REFCL pilot project at Calistoga experienced unsuccessful technology integration and implementation to date. We have encountered challenges with successfully implementing the REFCL technology, and reported final results based on this pilot. Please refer to final report for detailed information.¹

- a) Please provide the “final report” referred to above.
- b) Please describe in detail the “unsuccessful technology integration and implementation to date” that the “current REFCL pilot project at Calistoga” experienced.
- c) Please cite to specific pages in the final report supporting your response to part (b) of this question.
- d) Please describe the “challenges with successfully implementing the REFCL technology” referred to above.
- e) Please cite to specific pages in the final report supporting your response to part (d) of this question.
- f) What do the “final results” refer to above?
- g) Please cite to specific pages in the final report supporting your response to part (f) of this question.

¹ Excel file “TN10543_20220201T122558_PGE_2021_Q4_Quarterly_Initiative_Update.xlsx”, column Y, Row 69.

ANSWER 01

- a) Please see attachment "WMP-Discovery2022_DR_CalAdvocates_013-Q01Atch01.pdf"
- b) The REFCL technology is not plug-and-play, and unique design aspects of the Calistoga substation resulted in challenges for successfully integrating the technology with reliable operation. Further details are provided in the later responses.
- c) Please refer to the report at page(s) 23-28.
- d) Failures of newly installed equipment (voltage regulators and grounding transformer) resulting from ferro-resonance prevented the successful integration of the REFCL technology at Calistoga to-date.
- e) Please refer to the report at page(s) 23-28.
- f) The "final results" refer to the results collected to-date for the demonstration project before the field equipment failed causing a delay in further testing.
- g) Please refer to the report at page(s) 22-29.