

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

PG&E Data Request No.:	CalAdvocates_013-Q11		
PG&E File Name:	WMP-Discovery2022_DR_CalAdvocates_013-Q11		
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 11

In its 2022 WMP and supporting attachments, PG&E does not appear to provide a Risk Spend Efficiency (RSE) score for 2022 WMP Initiative 7.3.3.17.4—Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter.¹

- a) Please explain why PG&E is not providing RSE information for this initiative in the 2022 WMP or relevant supporting attachments.
- b) Has PG&E calculated an RSE score for this initiative?
- c) If the answer to subpart (b) is “yes”, please provide said RSE and all supporting workpapers for said RSE.
- d) If the answer to subpart (b) is “no”, please explain why PG&E has not calculated an RSE for this initiative.

ANSWER 11

- a) As mentioned in Section 7.3.3.17.4 of the 2022 WMP under the Actual Progress (2021) section, "the Calistoga REFCL pilot demonstration was stalled due to the failure of the substation REFCL equipment. In addition, PG&E had difficulty obtaining replacement equipment from various overseas suppliers due to supply chain issues and the ongoing COVID-19 pandemic." Further, in the Current Year Activities (2022) section, PG&E states "We do not currently plan to install any additional REFCL systems at this time. PG&E plans to repair and rebuild the REFCL installation at Calistoga to complete additional pilot evaluation. If the additional pilot is successful, PG&E will look for opportunities to place REFCL into full service as well as evaluate whether any additional sites are appropriate for future installations." As a result, for 2022 and 2023, financials for additional REFCL

¹ Excel File “2022-02-25_PGE_2022_WMP-Update_R0_Section 7.3.a_Atch04” does not contain any data pertaining to 2022 WMP Initiative 7.3.3.17.4—Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter.

systems have not been identified in the 2022 WMP. Consequently, an RSE score has not been calculated for REFCL for Section 7.3.3.17.4 of the 2022 WMP.

- b) PG&E has not calculated an RSE for the REFCL initiative 7.3.3.17.4. However, the Calistoga REFCL demonstration is discussed in Section 7.1.E (New or Emerging Technologies) of the 2022 WMP. The RSEs in that section are unique to emerging technology projects and are not comparable to the RSEs for Section 7.3 initiatives generally. The assumptions for the estimated RSE score for the potential value of REFCL technology itself, if eventually proven and fully implemented, can be found in the attachment 2022-02-25_PGE_2022_WMP-Update_R0_Section 7.1.E_Atch01.pdf. Please refer to the project titled “EPIC 3.15: Proactive Wires Down Mitigation Demonstration Project (Rapid Earth Fault Current Limiter)”. In particular, the projects in Section 7.1.E assume ten years of deployment of the particular technology and an equal benefit life of ten years even if they might have longer benefit lives. We note that the RSE scores in this attachment for Section 7.1.E (New or Emerging Technologies) are also estimates intended to facilitate comparison among the new or emerging technology projects within Section 7.1.E only.
- c) Please see file WMP-Discovery2022_DR_CalAdvocates_013-Q11Atch01.xlsx which is a supporting workpaper providing more details about the assumptions used to calculate the estimated RSE score for REFCL as discussed in Section 7.1.E. In order to use the RSE tool to reflect the scenario for the final year of deployment, all risk reduction and costs were assumed to be in 2026.
- d) Not applicable.