PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigation Plans Discovery 2023-2025
Data Response

PG&E Data Request No.:	CalAdvocates_044-Q001		
PG&E File Name:	WMP-Discovery2023-2025_DR_CalAdvocates_044-Q001		
Request Date:	April 15, 2024	Requester DR No.:	CalAdvocates-PGE-2025WMP-08
Date Sent:	April 18, 2024	Requesting Party:	Public Advocates Office
PG&E Witness:		Requester:	Holly Wehrman

SUBJECT: MITIGATION EFFECTIVENESS

QUESTION 001

Page 52 of PG&E's 2025 WMP Update states:

> We assessed the effectiveness of each of the mitigation alternatives against more than 2,200 outage combinations that have occurred in PG&E's HFTD during wildfire season. PG&E SMEs reviewed each of the outage combinations…and assigned an effectiveness rating for each mitigation at preventing each outage combination.

a) How many SMEs were involved in reviewing outage combinations and assigning effectiveness ratings?

b) Please describe the methods used by PG&E SMEs to review outage combinations and assign effectiveness ratings.

c) Do the 2,200 outage combinations represent a specific time period? Please explain your answer.

d) Do the 2,200 outage combinations include outage combinations that occurred in PG&E's HFRA but not in the HFTD? Please explain your answer.

ANSWER 001

a) For the initial qualitative assessment, experts in the Electric Distribution Engineering, EPSS, Remote Grid, Electric Distribution Reliability and REFCL teams were engaged with the Grid Design team. Three experts on the Design team reviewed the data from Grid Design. In addition, several data analysts were included in the calculations of the effectiveness.

b) The following steps were taken to review outage combinations and determine effectiveness ratings:
   - Outages were initially reviewed by similar outage (or outage cause) types, for example splice failure, vegetation, bird, etc.;
   - Reviewed line by line to confirm accuracy; and
   - Methodology checked and confirmed by additional Grid Design SME's.

c) The outage cause, equipment outage combinations were based on the 2015-2022 study period's outage history in the HFTD.

d) No, the study that was produced for the WMP was a snapshot of the HFTD information only. There is currently no tool that can pull HFRA information for each outage; the existing tool was only designed to perform spatial analysis on HFTD layer and information.