

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

PG&E Data Request No.:	CalAdvocates_011-Q013		
PG&E File Name:	WMP-Discovery2023_DR_CalAdvocates_011-Q013		
Request Date:	April 5, 2023	Requester DR No.:	CalAdvocates-PGE-2023WMP-11
Date Sent:	April 10, 2023	Requesting Party:	Public Advocates Office
DRU Index #:		Requester:	Pui-Wa LI

The following questions relate to your 2023-2025 WMP submission and also the following documents:

- PG&E's 2022 WMP, Section 7.1.E, Attachment 1 (Attch\_Q3.pdf),
- PG&E's presentation during the 2021 EPIC Symposium (Attch\_Q6\_EPIC\_Presentation.pdf),
- PG&E's Electric Preliminary Statement Part FY (Tariff Sheet No. 52259-E), and
- PG&E's Test Year 2023 GRC, Application 21-06-021, Exhibit PG&E-04 and Exhibit PG&E-17.

**TOPIC: RAPID EARTH FAULT CURRENT LIMITER (REFCL)**

**QUESTION 013**

PG&E's 2023 WMP, at page 275, states that:

Instead of making costly changes to the grid, we are moving forward with more cost-effective solutions such as DCD and Partial Voltage Detection.

Regarding Partial Voltage Detection (PVD),

- a) What "changes to the grid" are required for PG&E to implement this technology?
- b) Is PVD viable on 3-wire systems, 4-wire systems, or both?
- c) Does PG&E have a cost estimate for the deployment of PVD?
- d) If the answer to part (c) is yes, please provide the cost estimate(s).

**ANSWER 013**

- a) Partial Voltage Detection (PVD) does not require a "change to the grid," the statement quoted above refers to how this makes PVD a cost-effective solution.
- b) PVD is viable on both 3-wire and 4-wire systems.
- c) No, as there is no cost to "deploy" PVD.
- d) Not applicable, please see the response to subpart (c) above.