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

PG&E Data Request No.:	CalAdvocates_015-Q014		
PG&E File Name:	WMP-Discovery2023_DR_CalAdvocates_015-Q014		
Request Date:	April 11, 2023	Requester DR No.:	CalAdvocates-PGE-2023WMP-15
Date Sent:		Requesting Party:	Public Advocates Office
DRU Index #:		Requester:	Miles Gordon

The following questions relate to your 2023-2025 WMP submission and your response to data request CalAdvocates-PGE-2023WMP-08.

QUESTION 014

PG&E states in its response to Question 6 (f) of CalAdvocates-PGE-2023WMP-08 that:

> "PG&E has performed lab testing which has shown DCD is able to detect and de-energize downed conductors reducing ignition risk where installed."

a) Please describe the methods, scope, and findings of the abovementioned lab testing.

b) Please provide any documents generated from the abovementioned lab testing, including reports, etc.

ANSWER 014

a) DCD lab testing was formally conducted at ATS in 2022 to validate DCD effectiveness to detect and de-energize downed conductors, as well as calibration, troubleshooting, tuning, maintenance, and debugging. The tests were designed to mimic high impedance fault conditions experienced in the system such as a tree resting on energized conductor, or an energized conductor lying on soil, concrete, and various fine fuels. These tests successfully demonstrated that DCD was able to detect the high impedance fault condition and de-energize high impedance downed conductor faults.

b) Test results are included in the attached document titled *"WMP-Discovery2023_DR_CalAdvocates_015-Q014Atch01CONF."* The test data is a summary of lab tests performed in 2022 to support DCD validation, including but not limited to DCD effectiveness testing, calibration, troubleshooting, tuning, maintenance, and debugging.