

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

PG&E Data Request No.:	CalAdvocates_016-Q001		
PG&E File Name:	WMP-Discovery2023_DR_CalAdvocates_016-Q001		
Request Date:	April 18, 2023	Requester DR No.:	CalAdvocates-PGE-2023WMP-16
Date Sent:	April 21, 2023	Requesting Party:	Public Advocates Office
DRU Index #:		Requester:	Holly Wehrman

The following questions relate to your 2023-2025 WMP submission.

QUESTION 001

Regarding PG&E's SCADA Underground (UG) Switches:

- a) Please explain PG&E's operating procedure for operating a SCADA UG switch to energize and de-energize a circuit or circuit segment.
- b) Please provide PG&E's written procedures or other documentation related to your response to part (a).
- c) Please explain in detail PG&E's operating procedure, from start to finish, for the following operation: after opening a normally closed switch, the switch is returned to its normally closed position during switching.
- d) Please explain in detail PG&E's operating procedure, from start to finish, for the following operation: after closing a normally open switch, the switch is returned to its normally open position during switching.

ANSWER 001

The confidential attachments are being provided pursuant to the accompanying confidentially declaration.

- a) For distribution operations operating procedures, SCADA UG switch when de-energizing is an open command in RT SCADA with load read on SCADA devices before and after de-energizing. Energizing with a SCADA UG switch will have source side protective device reclosing relay cut out, the ground relay will be checked to verify cut in, close command will be given in RT SCADA to energize the section, and then the load read will be taken once closed. Reclosing relay will then be cut in on source side protective device if not EPSS enabled.
- b) Please reference "*WMP-Discovery2023_DR_CalAdvocates_016-Q001Atch01CONF.pdf*" for our Operating Procedures for Primary Underground Separable Terminations. Please also reference "*WMP-Discovery2023_DR_CalAdvocates_016-Q001Atch02CONF.pdf*" for our Distribution Switching Procedures.
- c) For distribution operations operating procedures, if a line is currently energized from an alternate source when switching normal to a closed position, a parallel will be

made by closing the abnormally opened switch and then opening the abnormally closed switch to separate parallel and return circuit to its normal source. When creating a parallel path reclosing and ground relays are cut out on all protective devices in the parallel path and Bank LTC/REGS are placed on manual. All protective device relays are cut in following parallel separation. Load reads will be taken before, during, and after the parallel. It should be noted that reclosing relays may or may not be cut in if devices in the parallel path are EPSS enabled. EPSS enabled devices have reclosing relay cut out.

- d) For distribution operations operating procedures, see the answer to subpart c). The abnormally closed switch will be opened to separate the parallel, setups, and load reads, which will be the same as subpart c).