

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

PG&E Data Request No.:	OEIS_009-Q06		
PG&E File Name:	WMP-Discovery2022_DR_OEIS_009-Q06		
Request Date:	April 8, 2022	Requester DR No.:	OEIS-P&GE-22-009
Date Sent:	April 13, 2022	Requesting Party:	Office of Energy Infrastructure Safety
PG&E Witness:		Requester:	Kevin Miller

SUBJECT: SECTIONALIZATION DEVICES

QUESTION 06

Provide the following information regarding PSPS Distribution sectionalizing devices:

- a) The average number of sectionalizing devices per circuit mile.
- b) PG&E's goal for number of sectionalizing devices per circuit mile.
- c) The average number of customers per sectionalizing device.
- d) The range of numbers of customers per sectionalizing device (i.e., minimum and maximum).
- e) The median number of customers per sectionalizing device.
- f) PG&E's goal for maximum number of customers per sectionalizing device.

ANSWER 06

PG&E interprets the focus of this question to be distribution sectionalizing devices planned for PSPS events to isolate circuit segments that traverse into HFTD/HFRA areas. Based on this interpretation, to generate the responses the following data was utilized. PG&E has nearly 26,000 miles of distribution circuitry that traverses into HFTD/HFRA areas. PG&E has over 1,900 default PSPS distribution automated sectionalizing devices comprised of over 1,100 new devices installed between 2019 and 2021 specifically for PSPS, and nearly 800 other existing devices that were part of the normal circuit design prior to 2019.

- a) The average number of PSPS distribution automated sectionalizing devices per HFTD/HFRA circuit mile is approximately 0.077
- b) PG&E does not have a goal for the number of PSPS sectionalizing devices per HFTD/HFRA circuit mile. The goal is to ensure there is a sectionalizing device available to isolate all circuit segments that traverse into HFTD/HFRA areas, no matter if the circuitry is less than one mile in length, or several hundred miles in length. Some circuits are entirely within the HFTD/HFRA area and are several hundred miles in length and only utilize one device (i.e., the substation circuit breaker) to isolate during PSPS events.

- c) The average number of customers per default PSPS distribution automated sectionalizing devices is 488.
- d) The range of number of customers per default PSPS distribution automated sectionalizing devices is from 1 up to just over 6,500.
- e) The median number of customers per default PSPS distribution automated sectionalizing device is 134.
- f) PG&E does not have a goal for the maximum number of customers per default PSPS distribution automated sectionalizing device. The goal is to ensure there is a sectionalizing device available to isolate all circuit segments that traverse into HFTD/HFRA areas, no matter if the circuitry serves one customer or several thousand customers. Some circuits are entirely within the HFTD/HFRA area and serve several thousand customers and only utilize one device (i.e., the substation circuit breaker) to isolate during PSPS events.