

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

PG&E Data Request No.:	CalAdvocates_014-Q11		
PG&E File Name:	WMP-Discovery2022_DR_CalAdvocates_014-Q11		
Request Date:	March 10, 2022	Requester DR No.:	CalAdvocates-PGE-2022WMP-14
Date Sent:	March 15, 2022	Requesting Party:	Public Advocates Office
PG&E Witness:		Requester:	Dillon Copa

The following questions relate to your 2022 WMP Update submission.

QUESTION 11

On Pg. 567 of PG&E's 2022 WMP, PG&E uses three different terms, "trench miles" "circuit miles" and "underground miles".

- a) Please define each of these terms.
- b) How does each term differ from one another?
- c) Please provide a conversion between these units of measure for a 1-phase circuit (i.e., x trench miles = y circuit miles = z underground miles).
- d) Please provide a conversion between these units of measure for a 2-phase circuit (i.e., x trench miles = y circuit miles = z underground miles).
- e) Please provide a conversion between these units of measure for a 3-phase circuit (i.e., x trench miles = y circuit miles = z underground miles).
- f) Please provide a conversion between these units of measure for a right-of-way where **two 3-phase circuits** run in parallel (i.e., x trench miles = y circuit miles = z underground miles).
- g) If any of your responses to parts (c) through (f) depend on whether or not the circuit has a neutral wire, please explain.

ANSWER 11

- a) For the difference between trench miles and circuit miles, please refer to the page 567 of the WMP. It should be clarified that the unit "circuit miles" does not distinguish the number of phases of the primary, meaning one linear foot of 1-phase, 2-phase or 3-phase circuit are equivalent.

For the purposes of the WMP, the term "Underground miles" is defined as the length of a new underground system, as measured in Circuit Miles.

- b) Trench miles and circuit miles would differ if a length of trench had more than one circuit installed in the trench.
- c) We are not differentiating the number of phases when calculating circuit miles.
- d) We are not differentiating the number of phases when calculating circuit miles.
- e) We are not differentiating the number of phases when calculating circuit miles.

- f) If the hypothetical example had 100-feet, then there would be 100 trench feet and 200 circuit feet since there are two circuits. The number of phases is not taken into consideration. For the definition of Underground miles, see the response to (a).
- g) This is not taken into consideration when calculating the length of underground facilities.