

PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigation Plans
Rulemaking 18-10-007
Data Response

PG&E Data Request No.:	CalAdvocates_048-Q01		
PG&E File Name:	WildfireMitigationPlans_DR_CalAdvocates_048-Q01		
Request Date:	March 2, 2021	Requester DR No.:	CalAdvocates-PGE-2021WMP-14
Date Sent:	March 8, 2021	Requesting Party:	Public Advocates Office
PG&E Witness:		Requester:	Henry Burton

The following questions relate to PG&E's 2021 wildfire mitigation plan (WMP) and follow up on PG&E's responses to data request CalAdvocates-PGE-2021WMP-04.

QUESTION 01

Regarding CalAdvocates-PGE-2021WMP-04, Question 2:

- a) Do PG&E's responses to questions 2(a) and 2(b) of CalAdvocates-PGE-2021WMP-04 indicate the most common recloser models currently in use on PG&E's system or the ones PG&E is purchasing and installing in 2021?
- b) If the latter, please respond to questions 2(a) and 2(b) CalAdvocates-PGE-2021WMP-04 based on the most common recloser models currently in use. If PG&E cannot identify the 10 most common models, please identify at least 3.
- c) Please confirm whether PG&E's responses to question 2(b) CalAdvocates-PGE-2021WMP-04 indicate the device's breaker time or the maximum time from the actual moment of overcurrent to de-energizing the line (including the time that the device requires to measure current and decide to trip the breaker).
- d) If PG&E has the total clearing time (i.e. the maximum amount of time a recloser will take from actual moment of overcurrent to arc extinction within the circuit breaker assuming no intentional time delay) for each circuit breaker mentioned in your responses to question 1(b) of this data request, please provide those times.

ANSWER 01

- a) Our responses indicate the most common models within the Tier 2 and 3 fire areas.
- b) This question does not apply given our answer to part (a).
- c) The times provided are the interrupting time of the device excluding detection time from the relay.
- d) There are many variables that impact the overall tripping time of a protective device so PG&E provided just the mechanical times for each recloser to open the contacts. Each recloser controller comes with a family of time characteristic curves that are user selectable with different response times for different levels of fault current, so it is not practical to provide a single maximum value