

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

PG&E Data Request No.:	TURN_020-Q05		
PG&E File Name:	WildfireMitigationPlans_DR_TURN_020-Q05		
Request Date:	March 3, 2021	Requester DR No.:	WMP 2021 DR TURN-PGE-006
Date Sent:	March 8, 2021	Requesting Party:	The Utility Reform Network
PG&E Witness:		Requester:	Marcel Hawiger

QUESTION 05

Re. 17.3.3.17.1, p. 552 (Overhead system hardening - transformers):

- a. How many transformers were replaced in 2019? In 2020?
- b. What was the unit cost per transformer replacement in 2019? In 2020?
- c. Did PG&E replace any transformers in 2019 or 2020 that contained FR3 fluid? If yes, how many and why?
- d. How many transformers are still present that contain mineral oil in Tier 2? Tier 3? Non-HFTD?
- e. How many transformers does PG&E plan to replace as part of OH system hardening in 2021? In 2022?
- f. How does this component of overhead system hardening differ from the transformer replacement program as discussed in 17.3.3.14?

ANSWER 05

- a-e. The System Hardening program does not break down the work down to the asset component (i.e., transformers) level. This program is tracked at the “line mile” level. To prepare the requested analysis, PG&E would need to review the job materials for each project to determine when and how many transformers were replaced. Because this would take a substantial amount of time, well beyond the expedited discovery schedule in this proceeding, PG&E objects to these subparts as burdensome.
- f. Transformer replacement as part of overhead system hardening differs from the transformer replacement program as discussed in Section 7.3.3.14 (Transformers maintenance and replacement) in that system replacement holistically replaces the poles, wires and equipment in targeted segments of overhead conductor. Transformer replacement under maintenance is the result of individual transformers found during patrols or inspections that are deemed necessary to replace. System hardening will replace all transformers older than 5-years old along a conductor segment while transformer maintenance will only replace transformers with a problem such as leaking oil or a bulging tank.