

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

PG&E Data Request No.:	OEIS_002-Q09		
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Request Date:	February 22, 2022	Requester DR No.:	Data Request OEIS-PG&E-22-002
Date Sent:	March 4, 2022	Requesting Party:	Office of Energy Infrastructure Safety
PG&E Witness:		Requester:	Kevin Miller

D. Asset Management and Inspections

QUESTION 09

Regarding PG&E’s response to Maturity Survey question D.I.a (*What information is captured in the equipment inventory database?*):

- a. Describe why PG&E moved from having an “accurate inventory of equipment” to “no service territory-wide inventory” from 2021 to 2022. Include any lessons learned from benchmarking with other utilities.
- b. Provide an estimated percentage of the equipment currently within PG&E’s inventory.
- c. Provide PG&E’s plan to move towards an accurate inventory service territory-wide, including integration of inspections and repairs, by January 1, 2023.

ANSWER 09

- a. PG&E’s survey score moved from “ii. There is an accurate inventory of equipment that may contribute to wildfire risk, including age, state of wear, and expected life cycle” to “i. There is no service territory wide inventory of electric lines and equipment including their state of wear or disrepair.”

Part of the reason for the change is a more granular interpretation of having an accurate inventory of the age and “expected life cycle” of transmission line assets. PG&E is undertaking a multi-year effort to collect age and attribute data on all ignition-related transmission line components. For example, where previously PG&E would collect installation date information of its transmission towers, we are now planning to collect the installation date for components within the tower, such as hardware, guy systems, splices, shield wire, etc. Where installation dates cannot be found, conservative age assumption logic will be applied for a determination of expected useful life.

Electric distribution has a similar maturity regarding an accurate inventory of equipment as Transmission. Parameters such as age and status of wear of assets for Distribution equipment is still being verified and refined.

- b. The survey score was reduced primarily due to the granularity of the data regarding

age and expected lifecycle, rather than the percent of equipment missing from the inventory. For both transmission and distribution, the inventory of major assets (e.g., poles, conductors) is fairly complete, though sub-component and attribute information may be in various states of completion. For example, as of a March 2022 snapshot, approximately 65% of transmission line SCADA switches had missing installation dates (age) in the system of record. To contrast, only about 9% of transmission steel towers had missing installation dates in the system of record.

- c. Though PG&E has several efforts underway to improve our asset inventory, these will not be completed by January 1, 2023. Some efforts include utilizing detailed inspection reports to continue to refine and update our asset inventory. Additionally, for transmission assets, the Asset Information Collection (AIC) effort is another project that is also refining and updating the asset inventory. For the AIC effort, updating all High Fire Threat District (HFTD) structures is expected to be complete by the end of the year, with the work on the non-HFTD structures continuing into 2023. Although we will continue to make progress throughout 2022, the as-built process update and updates to GIS may also not be completed by January 2023.