PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigations Plans Discovery 2026-2028
Data Response

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Requesting Party:	Office of Energy Infrastructure Safety
Requester:	Nathan Poon
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SUBJECT: REGARDING IMPROVEMENTS TO ACCURACY OF ASSET INVENTORY DATA

QUESTION 002

On page 536 of its 2026-2028 Base WMP, PG&E describes its objective to "evaluate and create new method(s) to improve the accuracy of asset inventory data (ES-02)" as an effort that "involves the design, development, and evaluation of methods to validate the accuracy of asset inventory data," and Table 12-1 (page 538) states that the objective completion date is December 31, 2028. Additionally, Table 13-2 (page 553) identifies that the "Filling Asset Inventory Data Gaps (AI-11)" initiative from the 2023-2025 Base WMP "will continue under ES-02."

a. Describe the status of PG&E's efforts to populate missing age data in the asset registry.

b. Explain the relationship between ES-02 and the Asset Registry Data Quality (ARDQ) program described in its response to PG&E-22-33 – Progress on Filling Asset Inventory Data Gaps (PG&E 2023-2025 Base WMP R8, pages 1133-1135).

c. Describe the milestones PG&E will use to measure progress toward this objective.

Answer 002

a. PG&E understands this sub-question to be related to the 2023-2025 AI-11 objective to populate missing age data in the asset registry to a 90% weighted average across risk prioritized distribution and transmission equipment types. PG&E has other data remediation projects and programmatic efforts like its map correction program that will not be covered in this response.

   Below are the milestones PG&E has achieved under the AI-11 objective:

   - In 2023, PG&E completed proof-of-concept projects to test the feasibility of manual and automated methods for locating missing age data, including field data collection, electronic records review, paper record scanning and review, and identification of PG&E age proxy data for the targeted equipment types.

- In 2024, PG&E piloted both automated and manual methods of identifying age data to determine the scalability of each method. From these activities, PG&E determined that the cost and time required to manually remediate installation date data warranted a shift in approach to generating Estimated Asset Age using available age proxy data.
- In Q4 of 2024, PG&E presented to the OEIS the plan to shift the focus of the AI-11 commitment toward generating Estimated Asset Ages.
- In Q1 of 2025, PG&E deployed its Estimated Asset Age model that generates data-derived installation years for the 11 targeted, risk-prioritized transmission and distribution types.
- In Q1 of 2025, PG&E also finalized its extended piloting to identify ways to optimize the scanning and review of paper records to identify installation dates.
- By end of Q4 2025, PG&E expects the quantification of the Estimated Asset Age model results to be available.

b. The Asset Registry Data Quality (ARDQ) program is designed to measure asset registry data quality dimensions using data quality rules. However, assessing the data quality dimension of Accuracy requires real-world validation. As such, the ARDQ program is not currently equipped with a means to establish a baseline of data accuracy and measure improvements. The objective of the ES-02 project is to identify and evaluate various methods for validating the accuracy of targeted asset registry data (e.g., leveraging field-based inspections, leveraging AI computer vision applied to asset photographs). To the extent possible, the ARDQ program will measure the validation of accurate data, and the correction of inaccurate data generated through ES-02 methods from a baseline.

c. PG&E has not yet developed the milestones associated with the ES-02 objective but expects to have milestones developed by the end of Q3 2025.