

**PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigation Plans Discovery 2023
Data Response**

PG&E Data Request No.:	OEIS_011-Q002		
PG&E File Name:	WMP-Discovery2023_DR_OEIS_011-Q002		
Request Date:	August 18, 2023	Requester DR No.:	P-WMP_2023-PG&E-011
Date Sent:	August 23, 2023	Requesting Party:	Office of Energy Infrastructure Safety
DRU Index #:		Requester:	Dakota Smith

SUBJECT: REGARDING PG&E’S GRID DESIGN AND MAINTENANCE QUALITY CONTROL

QUESTION 002

- a. In its Revision Notice Response, PG&E states that it is “working to integrate QC with [its] execution processes... this approach will create real-time learnings to coach and guide workers...” and that minimum sample sizes and pass rate target “would hinder PG&E’s flexibility.” (Page 35)
 - i. Describe this approach, including the similarities and differences from the current and previous approach to QC.
 - ii. Provide the timeline for integrating this approach.
 - iii. Provide the estimated sample size for this approach. These sample sizes may either represent physical assets PG&E will QC per year (e.g., PG&E will QA/QC 3,000 circuit miles in each year of the WMP cycle), or how PG&E determines the samples size for QC (i.e., the criteria for when and where PG&E performs QC).
 - iv. Describe any performance metrics PG&E has developed related to this approach and any targets for performance for 2023-2025.
- b. Explain why PG&E can provide year-to-date pass rate results for its QC program (Table RN-PG&E-23-02-1) but not pass rate targets for the 2023-2025 WMP cycle.

ANSWER 002

- a.
 - i. QC is integrating with execution processes by completing QC on a shorter timeline than has been historically executed, allowing for timelier opportunities for re-training inspectors, sharing learnings, and making corrections, as necessary. By targeting shorter timelines to review and identify issues, PG&E can work with stakeholders while work has been recently completed, enabling both more timely corrective actions and additional operational efficiencies (e.g., bringing the prior inspector back to a failed location before the inspector has departed the area). Additionally, PG&E continues to leverage standard work, early alignment on audit criteria, administer trainings, and standardized quality data collection and analysis to inform corrective actions.

Below is the process that QC follows in 2023:

- Execution completes the scheduled work;
- Completed work locations enter the queue of QC-eligible locations;
- QC completes their review of the QC-eligible locations through desktop and/or field reviews;
 - QC shares any QC failures with the SI execution team;
- QC completed locations become eligible for QA sampling

We intend to further integrate QC with execution during the second and third bullets of the processes described above for 2023. PG&E is continuing to explore additional opportunities for further integration of the execution and QC functions.

- ii. PG&E plans to begin the integrated QC Model in 2024. The specific timing of this action will depend on the System Inspection work execution schedule. Historically, the System Inspection teams start the work execution process near the end of Q1/beginning of Q2.
 - iii. PG&E will determine sample sizes for integrated QC utilizing a statistical sampling methodology of the completed risk-informed execution work product in HFTD areas. As noted in PG&E's response to CalPA-028, Question 1d, PG&E is pursuing QC on 30% of all System Inspections following the to-be-integrated model within HFTD, barring external factors.
 - iv. PG&E does not have a target for 2023 because we are looking to implement this process in 2024. We will evaluate establishing performance metrics and/or targets for 2025 once we have had an opportunity to implement the process in 2024 and can appropriately create a baseline for the program.
- b. Establishing QC targets and minimum pass rates across multiple years limits PG&E's ability to reallocate resources to improve overall work execution and performance across our programs, as needed, due to finite workforce resources. By being flexible with how we deploy our quality management resources, we anticipate that we will be able to mitigate approximately \$20 million in annual costs to our customers in 2024 and 2025.

Further, as explained above, QC plans to begin the integrated QC Model in 2024. We will evaluate establishing performance metrics and/or targets for 2025 once we have had an opportunity to implement the process in 2024 and can appropriately create a baseline for the program.