

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

PG&E Data Request No.:	OEIS_008-Q03		
PG&E File Name:	WMP-Discovery2022_DR_OEIS_008-Q03		
Request Date:	April 1, 2022	Requester DR No.:	OEIS-P&GE-22-008
Date Sent:	April 6, 2022	Requesting Party:	Office of Energy Infrastructure Safety
PG&E Witness:		Requester:	Kevin Miller

SUBJECT: ASSET INSPECTIONS

QUESTION 03

Regarding PG&E's asset inspections:

- a. What percentage of inspections are completed by contractors vs. internally by PG&E employees?
- b. Provide a list of contractors used for asset inspections.
- c. How does training for contractors performing inspections differ from internal PG&E personnel?
- d. Provide the find rate for QA/QC of inspections performed by contractors.
- e. Provide documentation and procedures for PG&E's QA/QC process for asset inspections.
- f. Provide the number of inspectors that performed detailed asset inspections in 2021.
- g. Provide the number of detailed asset inspections performed by inspectors in 2021.
- h. Provide the average circuit mile per inspector per day completed for detailed asset inspections in 2021.

ANSWER 03

PG&E understands this request and its subparts to refer to the detailed inspections referenced in sections 7.3.4.1 and 7.3.4.2 of its 2022 WMP.

- a. The percentage completed by contractor vs internal for Transmission Ground inspections completed for 2021: Contractor **84%**; Internal **16%**.

The percentage completed by contractor vs internal for Transmission Aerial inspections completed for 2021: **100 %** Contractor.

The percentage completed by contractor vs internal for Transmission Climb inspections completed for 2021: **100%** Internal.

The percentage completed by contractor vs internal for Substation inspections completed for 2021: **100%** Contractor.

The percentage completed by contractor vs internal for Distribution ground inspections completed for 2021: Contractor **87%**; Internal **13%**.

- b. The contractor/vendor ARB is used to perform inspections for Distribution and Transmission assets. The contractor/vendor Rokstad is used to perform inspections for Distribution, Transmission, and Substation assets. The contractor/vendor Canus is used to perform inspections for Distribution assets.
- c. For our contract workforce, PG&E's System Inspections Department offers Detailed Overhead Asset Inspection training programs for: (1) Transmission linemen contractors; and (2) Distribution linemen contractors. These contractors are qualified linemen who are hired under a specific annual contract. Our Detailed Overhead Asset Inspection contractor training is designed specifically for our contract workforce. This training program focuses on Onboarding, Processes, and Mobile technology. It uses Web-Based Training and Instructor Led Training. It's designed to train contract linemen about PG&E, System Inspections, Detailed Overhead Inspections, ETPM/EDPM, Job Aids, CalFire requirements, GO165 requirements, field safety, using technology, field hazards, asset conditions, and to document the Detailed Overhead Inspection results.

Distribution Only: For PG&E linemen employees and Canus contract linemen, Distribution Compliance Inspectors and Canus contract inspectors are trained by PG&E's System Inspections Department on performing: (1) Distribution Underground Inspections; (2) Distribution Underground Patrols; and (3) Overhead Patrols. It uses web-based training and instructor-led Training. This course is designed to train linemen about PG&E, System Inspections, Underground Inspections, Underground/Overhead Patrols, EDPM, Job Aids, CalFire requirements, GO165, field safety, using technology, field hazards, asset conditions, and to document the Underground Inspection and Underground/Overhead Patrols results. This training program also includes Electric Detailed Overhead Asset Inspection training content.

Transmission Only: PG&E's Academy provides training to PG&E employees who perform: (1) Transmission Underground Inspections; Transmission Underground Patrols; and (3) Transmission Overhead Patrols.

- d. In the context of this request, PG&E understands the phrase "find rate" to mean the percentage of reviews in which discrepancies were identified. The find rate for QA/QC of inspections performed by contractors in 2021 was as follows:

For 2021 Transmission Inspections that were Desktop QC Reviewed, the find rate was 58%.

For 2021 Distribution Inspections that were Desktop QC Reviewed, the find rate was 38%.

For 2021 Transmission Inspections that were Field QC Reviewed, the find rate was 5%.

For 2021 Distribution Inspections that were Field QC Reviewed, the find rate was 58%.

- e. Please see attachment "WMP-Discovery2022_DR_OEIS_008-Q03Atch01" showing our Inspection Quality Control Desktop Procedure TD-8123P-01.

- f. The number of inspectors that performed detailed asset inspections for Transmission Detailed inspections: **122**.

The number of inspectors that performed detailed asset inspections for Transmission Climbing Detailed Inspections in 2021 is: **36**.

The number of inspectors that performed detailed asset inspections for Transmission Aerial Detailed Inspections in 2021 is: **83**.

The number of inspectors that performed detailed asset inspections for Substation Detailed Inspections in 2021 is: **10**.

The number of inspectors that performed detailed asset inspections for Distribution Detailed Inspections in 2021 is: **624**.

- g. The number of completed Transmission Detailed Inspections in 2021 is: **66,137**.

The number of completed Transmission Climbing Detailed Inspections in 2021 is: **3,309**.

The number of completed Transmission Aerial Detailed Inspections in 2021 is: **67,783**.

The number of completed Substation Detailed Inspections in 2021 is: **142**.

The number of completed Distribution Detailed Inspections in 2021 is: **907,599**.

- h. In the normal course of business, PG&E does not maintain this information in circuit miles, but instead records this information in units. In 2021, the average units per inspector per day completed for detailed asset inspections was as follows:

The average number of completed Transmission Detailed Inspection units per inspector per day in 2021: **9**.

The average number of completed Transmission Climbing Inspection units per inspector per day in 2021: **4**.

The average number of completed Transmission Aerial Inspection units per inspector per day in 2021: **290**.

The average number of completed Substation Inspection units per inspector per day in 2021: **0**.

The average number of completed Distribution inspection units per inspector per day in 2021: **15**.