

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

PG&E Data Request No.:	CalAdvocates_021-Q003		
PG&E File Name:	WMP-Discovery2023_DR_CalAdvocates_021-Q003		
Request Date:	April 27, 2023	Requester DR No.:	CalAdvocates-PGE-2023WMP-21
Date Sent:	May 2, 2023	Requesting Party:	Public Advocates Office
PG&E Witness:		Requester:	Holly Wehrman

SUBJECT: 2023-2025 WMP SUBMISSION

QUESTION 003

In response to data request CalAdvocates-PGE-2023WMP-16, question 10, PG&E stated,

“The five most common problems identified in the QC process are:
C-hooks, insulators, cotter pins, shoe issues, and structural issues.”

For each of the five problems listed above, please list any changes PG&E has made to its inspection process, procedures, or training to reduce the number of inspections with these problems.

ANSWER 003

The confidential attachment is being provided pursuant to the accompanying confidentiality declaration.

Please note, the quote is in reference to CalAdvocates-PGE-2023WMP-10, question 15.

For transmission inspections training, the top QC findings were shared with all returning and new inspectors as part of 2023 Onboarding and Refresher.

Aerial Transmission Inspections

- 1) C-Hooks and hanger plates: PG&E created visual diagrams to help identify wear and corrosion on c-hooks and hanger plates. Please see Air+Handbook page 121-124 and job aid TD-1001M- JA-07.
- 2) Insulators: PG&E developed training and documentation for identifying issues from flashes/tracking/chalking/contamination/pin corrosion. Additionally, PG&E continue to share all uncommon issues PG&E finds amongst our pod chats to ensure alignment and consistent resolution. Please see the Air+Handbook page 90-112 and job aid TD-1001M- JA-07.
- 3) Cotter pins: PG&E developed training and documentation for identifying different styles of cotter pins and when they become unseated, including humps, straight legs, and gaps between legs. Please see the Air+Handbook page 117-119 and job aid TD-1001M- JA-07.

- 4) Shoe Issues: PG&E developed training and documentation for identifying cracked shoes and making other determinations on damage such as hardware corrosion. Please see the Air+Handbook page 112-123 and job aid TD-1001M- JA-07.
- 5) Structural: PG&E developed training and documentation for identifying different levels of corrosion, and judging when hardware is loose, judging primary vs secondary members, and evaluating the size and severity of any woodpecker damage. Please see the Air+Handbook page 55-76 and job aids TD-1001M-JA-04 and TD-1001M- JA-06.

In addition to the items listed above, PG&E also has an A-tag presentation and weekly meeting in which we go over any questions or concerns relating to PG&E equipment, along with any uncommon issues identified.

Transmission Ground Detailed & Transmission Climbing Detailed Inspections

- 1) C-Hooks: PG&E developed training and documentation that provides examples of issues with c-hooks and describes how to identify various levels of material loss that are also included in Inspector initial and refresher training, as well as in job aid TD-1001M- JA-07.
- 2) Insulators: PG&E developed training and documentation that provides examples of issues with insulators and describes how to identify various types of damage, corrosion, and material loss that are also included in Inspector initial and refresher training, as well as in job aid TD-1001M- JA-07.
- 3) Cotter Pins: PG&E developed training and documentation that provides examples of issues with cotter pins and describes how to identify various types of damage and material loss that are also included in Inspector initial and refresher training, as well as in job aid TD-1001M- JA-07.
- 4) Shoe Issues: PG&E developed training and documentation that provides with examples of shoe issues and describes how to identify various types of damage and material loss that are also included in Inspector initial and refresher training as well as in job aid TD-1001M- JA-07.
- 5) Structural Issues: PG&E developed training and documentation that provides examples of structural issues and how to identify various types of damage, material loss, and corrosion that are also included in Inspector initial and refresher training as well as in job aid TD-1001M- JA-04.

In addition to the items listed above, PG&E also has weekly meetings with our QC, Transmission, and Inspector teams to provide an opportunity to discuss any questions on the inspections, equipment, and any highlighted inspections/photos captured that provide value to the inspectors.

Please find the referenced job aids attached as follows:

Air+Handbook	WMP-Discovery2023_DR_CalAdvocates_021-Q003Atch01CONF.pdf
TD-1001M- JA-04	WMP-Discovery2023_DR_CalAdvocates_021-Q003Atch02.pdf
TD-1001M- JA-06	WMP-Discovery2023_DR_CalAdvocates_021-Q003Atch03.pdf

TD-1001M- JA-07	WMP-Discovery2023_DR_CalAdvocates_021-Q003Atch04.pdf
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