

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

PG&E Data Request No.:	CalAdvocates_019-Q002		
PG&E File Name:	WMP-Discovery2023_DR_CalAdvocates_019-Q002		
Request Date:	April 25, 2023	Requester DR No.:	CalAdvocates-PGE-2023WMP-19
Date Sent:	April 28, 2023	Requesting Party:	Public Advocates Office
DRU Index #:		Requester:	Holly Wehrman

The following questions relate to your 2023-2025 WMP submission and your responses to data request CalAdvocates-PGE-2023WMP-15.

**QUESTION 002**

- a) In 2023, what is the average per-circuit-mile cost that PG&E expects to incur for asset inspection and maintenance for a covered conductor distribution line installed in the HFTD?
- b) In 2023, what is the average per-circuit-mile cost that PG&E expects to incur for asset inspection and maintenance for an underground distribution line installed in the HFTD?
- c) In 2023, what is the average per-circuit-mile cost that PG&E expects to incur for asset inspection and maintenance for a bare distribution line installed in the HFTD?
- d) Please state the assumptions and limitations of your estimates for parts (a) through (c).

**ANSWER 002**

- a) Conductor is inspected as part of our General Order (GO) 165 detailed ground inspections and patrols program. It is also inspected during infrared inspection. These inspection processes currently do not differentiate between covered conductor and bare conductor. The cost that we expect to incur for distribution overhead asset inspections in HFTDs in 2023 is roughly \$2,310 per-circuit-mile, regardless of whether the conductor is covered or bare. In addition, the cost that we expect to incur for distribution overhead asset maintenance in HFTDs in 2023 is \$14,565 per-circuit-mile.
- b) Underground cable is inspected as part of our GO 128 underground inspections and patrols program, which has an expected cost in 2023 of \$93/unit for inspection and \$11/unit for patrol. We do not calculate a per-circuit-mile cost on distribution underground inspections because the unit of inspection is an enclosure, padmount, subsurface vault, manhole, or J-box. We expect to spend \$12.7 million for distribution underground inspections and patrols system-wide in 2023. In addition, we expect to spend \$92.4 million for distribution underground asset maintenance system-wide in 2023. We do not track whether costs for distribution underground line inspection and maintenance occur in HFTDs and non-HFTDs.

- c) Please see the response to subpart (a).
- d) We used the following assumptions in calculating the per-circuit-mile inspection cost for overhead conductor in HFTD:
- We expect to spend \$25.7 million for distribution overhead conductor inspections in HFTDs in 2023. This includes spending for the following types of inspections: detailed ground inspection, patrol inspection, and infrared inspection.
  - We expect to inspect approximately 234,648 support structures in HFTDs in 2023, as part of its detailed ground inspections.
  - We use an average span length of 250 feet.
  - We expect to inspect approximately 11,110 circuit-miles of overhead distribution conductor in HFTDs in 2023, as part of its detailed ground inspections.
  - Our calculated cost to inspect distribution overhead conductor is \$2,310 per-circuit-mile in HFTDs in 2023.

We used the following assumptions in calculating the per-circuit-mile maintenance costs for distribution overhead assets in HFTD:

- We only included the maintenance costs associated with general overhead Electric Corrective (EC) Notifications.
- These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC notifications. As such, the maintenance costs are for all assets in the HFTDs.
- Proactive asset replacement programs were not included (e.g. pole replacements, transformer replacements, overhead line equipment replacements, etc.).
- System hardening program was not included.
- We expect to spend \$364.6 million for distribution overhead asset maintenance in HFTDs in 2023.
- We have approximately 25,030 circuit-miles of overhead distribution in HFTDs.
- Our calculated cost for distribution overhead asset maintenance is \$14,565 per-circuit-mile in HFTDs in 2023.