

**PACIFIC GAS AND ELECTRIC COMPANY**  
**Wildfire Mitigation Plans**  
**Rulemaking 18-10-007**  
**Data Response**

PG&E Data Request No.:	CalAdvocates_036-Q05		
PG&E File Name:	WildfireMitigationPlans_DR_CalAdvocates_036-Q05		
Request Date:	January 20, 2021	Requester DR No.:	CalAdvocates-PGE-2021WMP-02
Date Sent:	February 4, 2021	Requesting Party:	Public Advocates Office
PG&E Witness:	M Hvistendahl, M Molina	Requester:	Matthew Yunge, PE

The following questions relate to PG&E's inspections of transmission towers.

**QUESTION 05**

Please provide the following:

- a) The average amount of person-hours to perform a single drone inspection of a transmission tower in 2020.
- b) The minimum amount of person-hours spent on a single drone inspection of a transmission tower in 2020.
- c) The total amount of person-hours spent on drone inspections of transmission towers in 2020.
- d) The total number of transmission towers that PG&E performed drone inspections on in 2020.
- e) The total number of drone inspections of transmission towers performed in 2020.
- f) Please respond to questions 5(a) through 5(e) for:
  - i. 2018.
  - ii. 2019.

**ANSWER 05**

The following responses pertain to 500kV transmission tower structures and inspections conducted by desktop inspectors utilizing detailed images captured by drones. Hours for inspection are based on hours taken to review detailed images and complete inspection questionnaires. The labor hour estimates are not reflective of the time it takes to capture the images by drone or helicopter, nor the labor required to ingest those data into PG&E's data systems.

- a) The average amount of person-hours to perform a single drone inspection of a transmission tower in 2020. 2
- b) The minimum amount of person-hours spent on a single drone inspection of a transmission tower in 2020. 1.5

- c) The total amount of person-hours spent on drone inspections of transmission towers in 2020. 26
- d) The total number of transmission towers that PG&E performed drone inspections on in 2020. 13
- e) The total number of drone inspections of transmission towers performed in 2020. Same as 5 d).
- f) Please respond to questions 5(a) through 5(e) for:
  - i. 2018. N/A
  - ii. 2019.
    - a) The average amount of person-hours to perform a single drone inspection of a transmission tower in 2019. 2.5
    - b) The minimum amount of person-hours spent on a single drone inspection of a transmission tower in 2019. 2.5
    - c) The total amount of person-hours spent on drone inspections of transmission towers in 2019. 8018
    - d) The total number of transmission towers that PG&E performed drone inspections on in 2019. 3207
    - e) The total number of drone inspections of transmission towers performed in 2020. Same as 5 d).