

Southern California Edison
2022-WMPs – 2022 Wildfire Mitigation Plan Updates

DATA REQUEST SET O E I S - S C E - 2 2 - 0 0 7

To: Energy Safety
Prepared by: Jeff Lawrence
Job Title: Senior Manager – T&D Inspections
Received Date: 4/12/2022

Response Date: 4/15/2022

Question 02:

Drone Inspections – Statistics

b. In SCE's 2022 WMP Update, SCE discusses its usage of drones for asset inspections.

- i. Provide the circuit mileage performed for drone asset inspections in 2021 and projected for 2022 for distribution.
- ii. Provide the circuit mileage performed for drone asset inspections in 2021 and projected for 2022 for transmission.
- iii. Provide the number of findings broken down by priority levels 1, 2, and 3 for drone asset inspections performed in 2021 for distribution.
- iv. Provide the number of findings broken down by priority levels 1, 2, and 3 for drone asset inspections performed in 2021 for transmission.

Response to Question 02:

SCE interprets the reference to drones to refer to SCE's Aerial Inspection Program where drones are our primary method of data captures. In instances where SCE is unable to perform the data captures via drones, helicopters are used. Helicopter data captures in 2021 occurred on approximately 31% of our Distribution inspections and less than 1% of our Transmission inspections. These percentages can be applied as a projection for 2022, but actual ratios will vary based on field conditions. The figures provided below reflect 2021 recorded and 2022 forecasts related to aerial inspections.

- i. SCE performs inspections at the structure level and not the circuit level. We completed 180,393 aerial inspections in 2021. SCE is targeting to complete 150,000 Inspections in 2022. Note, to approximate an estimated circuit mileage based on the number of structures inspected, one can multiply the number of completed inspections by 0.03389983 miles.
- ii. SCE performs inspections at the structure level and not the circuit level. We completed 20,889 aerial inspections in 2021. SCE is targeting to complete 16,000 Inspections in 2022. Note, to approximate an estimated circuit mileage based on the number of structures inspected, one can multiply the completed inspections by 0.11872519 miles.

iii. 2021 Findings Resulting from Distribution Aerial Inspections

Please note the findings below contain some P1 conditions that are dispatched to SCE's Troublemakers for first response and assessment and may not result in a P1 notification being generated within SAP. Additionally, not all findings will result in a unique notification being created in SAP (E.g., notification already exists from another inspection program or a gatekeeper may have rejected or downgraded the notification).

Priority	Count
1	548
2	7,730
3	N/A

i. 2021 Findings Resulting from Transmission Aerial Inspections

Similar to the response in part iii, some P1 conditions are dispatched to SCE's Troublemakers for first response and assessment and may not result in a P1 notification being generated within SAP. Additionally, not all findings will result in a unique notification being created in SAP (E.g., notification already exists from another inspection program or a gatekeeper may have rejected or downgraded the notification).

Priority	Count
1	71
2	1,480
3	N/A