

Southern California Edison
R.18-10-007 – SB 901

DATA REQUEST SET C A L P A - S C E - 0 0 2

To: CalPA
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Job Title: Advisor
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Response Date: 2/22/2019

Question 4: Question 4

On page 45, Chapter 4.2.3.3 Distribution Infrared Inspection Program states:

“SCE conducted IR inspection on overhead distribution energized facilities on all circuits in HFRA in 2017-2018... IR inspections can detect a wide range of anomalies, including, but not limited to failing switch and fuse contacts, poor connections, loose bushings, overloaded/failing transformers, and other issues that can result in component failure.”

How many circuits were inspected?

On how many circuits did Infrared (IR) inspection prove useful in detecting anomalies?

Please provide all data and analysis pertaining to all IR circuit inspections between 2017-2018.

Does SCE plan to make any changes to the Distribution IR Inspection program before starting the next cycle of inspections in 2019-2020? If so, what are they, and what do you expect the result of these changes to be?

Response to Question 4:

- a. SCE inspected 307 HFRA circuits in the 2017 IR pilot and 1,079 HFRA circuits in 2018 for a total of 1,386 HFRA circuits.
- b. IR inspections, during the 2017-2018 time period, detected anomalies on 37 circuits in the 2017 IR pilot and on 84 circuits in 2018 for a total of 121 anomalies.
- c. Please see the file entitled “IR Inspected High Fire Circuits.xlsx” for the list of HFRA circuits inspected. Please also see the file entitled “IR High fire Findings.xlsx” for a list of the findings.
- d. Currently, SCE does not plan to make any substantial changes to the Distribution IR Inspection program before starting the next cycle of inspections in 2019-2020.