

March 26, 2015

Claim No. 201403905

PUBLIC UTILITIES COMMISSION  
STATE OF CALIFORNIA  
ATTENTION: RICHARD KYO  
320 WEST 4<sup>TH</sup> STREET SUITE 500  
LOS ANGELES, CA 90013

Re: Date of Incident: May 15, 2014  
Location of Incident: 6439 Danby Avenue, Whittier, California

Dear Mr. Kyo:

This letter is a follow-up to your information request relative to the above-captioned incident and received via e-mail on February 27, 2015. Southern California Edison Company (SCE) is required to cooperate with the Commission pursuant to General Order 95, Rule 19 and California Public Utilities Code Section 316, and SCE requests that the Commission hold this information confidential under Public Utilities Code Sections 583 and paragraph 2.1 of General Order 66-C. SCE contends that some or all of the following information is protected from further or public disclosure by the attorney-client privilege and/or attorney work product privilege. The provision of the information below at the Commission's direction is not a waiver by SCE of either the attorney-client privilege and/or attorney work product privilege. SCE is not withholding any information and/or documents on privilege grounds unless specifically noted in the response.

*Request No. 1: Last detailed inspection record of SCE poles numbered 857336E, 857337E, 857342E, and 857343E prior to the incident, with all findings.*

Response No. 1: Information documenting the last Overhead Detail Inspection (ODI) records for Pole Nos. 857336E, 857337E, 857342E and 857343E are included as documents on the enclosed CD titled "Whittier-5/15/14" under **Tab A.**

*Request No. 2: Last patrol inspection records of SCE poles numbered 857336E, 857337E, 857342E, and 857343E prior to the incident, with all findings.*

Response No. 2: Information documenting the Annual Grid Patrol (AGP) records for Pole Nos. 857336E, 857337E, 857342E and 857343E are included as documents on the enclosed CD titled "Whittier-5/15/14" under **Tab B.**

*Request No. 3: Any open work orders of SCE poles numbered 857336E, 857337E, 857342E, and 857343E at the time of the incident, with the following for each work order:*

- a. *Type of work needed to be done.*
- b. *Work order creation date.*
- c. *Work order due date.*
- d. *Work order priority level*

Response No. 3: Information documenting the Notifications for Pole Nos. 857336, 857337E, 857342E and 857343E are listed on the spreadsheet included on the enclosed CD titled “Whittier-5/15/14” under **Tab C**.

*Request No. 4: Date and time that SCE responded to the incident.*

Response No. 4: The SCE Troublemaker first arrived at the incident location on May 15, 2014 at approximately 3:45 a.m.

*Request No. 5: All photographs taken of the incident.*

Response No. 5: Copies of 116 photographs taken at the incident location on May 15, 2014 are included on the enclosed CD titled “Whittier 5/15/14 Incident – Photos”.

*Request No. 6: Were there any outages as a result of this incident? If so:*

- a. *What was the duration of the outage?*
- b. *How many customers were affected?*
- c. *What was the date and time of restoration?*

Response No. 6: On May 15, 2014, at 2:52 a.m., service was interrupted to 2,736 customers for 30 seconds. From 2:52 a.m. to 3:53 p.m., service was interrupted to 109 customers for 13 hours and 1 minute. From 4:04 p.m. to 4:20 p.m., service was interrupted to 2,736 customers for 16 minutes.

*Request No. 7: Cost of damages to SCE and any third parties.*

Response No. 7: The total cost for repairs to SCE facilities was \$43,966.46. The repair cost for fire damage to the house at 6435 S. Danby, Whittier was \$5,000.00.

*Request No. 8: List of all agencies (police, fire department, ambulance, media) that were present at the incident site.*

Response No. 8: To our knowledge the agencies that responded at the incident location were the Los Angeles County Fire Department, the Los Angeles County Sheriff’s Department-Pico Rivera, the Los Angeles County Coroner’s Office, and CBS local news.

- Request No. 9: Is the incident location known to contain birds large enough to make phase-to-phase contact with SCE's overhead conductors.*
- Response No. 9: Phase-to-phase contact by birds is not common at the incident location.
- Request No. 10: Size and weight of mallard duck.*
- Response No. 10: The size and weight of the bird were not obtained. However, the mallard duck was present in the yard and you observed it on the date of the incident.
- Request No. 11: SCE states in its letter to the CPUC dated June 10, 2014 that "the resulting fault current on the tap line caused the east phase, a #6 copper conductor, between Pole No. 857337E and Pole No. 857336E to separate and fall..." Please describe in detail how the fault current caused the conductor to separate and fall.*
- Response No. 11: We are currently reviewing this inquiry and a response will be included in SCE's supplemental response to this Data Request. Please note the sentence from the June 10, 2014 correspondence was partially quoted as the entire sentence reads: "SCE believes the resulting fault current on the tap line caused the east phase, a #6 copper conductor, between Pole No. 857337E and Pole No. 857336E to separate and fall in the backyard of 6439 Danby Ave, Whittier."
- Request No. 12: Installation date for the conductor that separated.*
- Response No. 12: The installation date of the conductor is not known. However, our information indicates the poles supporting the subject conductor were set in 1950.
- Request No. 13: What is the current rating at which the Bronco 12 kV circuit breaker is set to trip?*
- Response No. 13: The Bronco 12kV circuit is a looped circuit with circuit breakers at Narrows and Westgate Substations. For the Bronco 12kV circuit breaker at Narrow Substation, the phase minimum trip setting is 720 Amperes primary. The ground minimum trip setting is 180 Amperes primary.
- For the Bronco 12kV circuit breaker at Westgate Substation, the phase minimum trip setting is 240 Amperes primary. The ground minimum trip setting is 120 Amperes primary.

*Request No. 14: Did the relay and circuit breaker operate correctly?*

Response No. 14: The relay and circuit breaker at Narrows Substation operated correctly. Our response regarding the relay and circuit breaker at Westgate Substation will be included in SCE's supplemental response to this Data Request.

*Request No. 15: For the relay on the Bronco 12 kV circuit, please provide the following:*

- a. Installation date.*
- b. Model name and number*
- c. Testing records with results. Indicate if the device passed or failed the test.*
- d. Any other inspection/maintenance records, with results*

Response No. 15: For the relay on the Bronco 12kV circuit at Narrows Substation:

- a. The installation date was September 26, 2006.
- b. ABB DPU2000R.
- c. The Relay Setting and Test Report is included on the enclosed CD titled "Whittier-5/15/14" under **Tab D**.
- d. No.

Information for the relay on the Bronco 12kV circuit at Westgate Substation will be included in SCE's supplemental response to this Data Request.

*Request No. 16: For the circuit breaker on the Bronco 12 kV circuit, please provide the following:*

- a. Installation date:*
- b. Model name and number*
- c. Testing records with results. Indicate if the device passed or failed the test.*
- d. Any other inspection/maintenance records, with results.*

Response No. 16: For the circuit breaker on the Bronco 12kV circuit at Narrows Substation:

- a. Installation date was September 9, 1957.
- b. Kelman, 14.4RA2TV-AG.
- c. A Circuit Breaker Analyzer (CBA) inspection was completed on March 6, 2013. The circuit breaker passed the inspection. A copy of the CBA record is included on the enclosed CD titled "Whittier-5/15/14" under **Tab E**.
- d. No.

Information for the Bronco 12kV circuit breaker at Westgate Substation will be included in SCE's supplemental response to this Data Request.

- Request No. 17: For each fault current, please provide the following:*
- a. The time, in hour: minute: second format (down to a fraction of a second, if available) when the fault current began*
  - b. The fault current magnitude (rms Amps)*
  - c. The actual relay time delay*
  - d. The expected relay time delay*
  - e. The actual circuit breaker opening time*
  - f. The total fault current clearing time. If this is not the sum of the “actual relay time delay” and the “actual circuit breaker opening time”, please provide an explanation.*
  - g. Whether the fault was phase to phase or phase to ground. Please identify the phase(s) involved (e.g. a, b, or c).*

**Response No. 17:** We are currently reviewing this inquiry and a response will be included in SCE’s supplemental response to this Data Request.

Sincerely,

Gregory Greene

Enclosure