

## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



July 1, 2022

EA2022-974

Melvin Stark  
Principle Manager, T&D Compliance Integration  
Southern California Edison Company  
1 Innovation Way  
Pomona, CA 91786

Subject: Audit of Southern California Edison's Montebello District

Mr. Stark:

On behalf of the Electric Safety and Reliability Branch (ESRB) of the California Public Utilities Commission (CPUC), Stacey Ocampo of my staff conducted an electric distribution audit of Southern California Edison's (SCE) Montebello District from May 2, 2022 to May 6, 2022. The audit included a review of SCE's inspection and maintenance records and a field inspection of SCE's facilities.

During the audit, my staff identified violations of one or more General Orders (GOs). A copy of the audit findings itemizing the violations is enclosed. Please advise me no later than August 1, 2022, by electronic or hard copy, of all corrective measures taken by SCE to remedy and prevent such violations.

If you have any questions concerning this audit, you can contact Stacey Ocampo at (213) 266-4712 or [Stacey.Ocampo@cpuc.ca.gov](mailto:Stacey.Ocampo@cpuc.ca.gov).

Sincerely,

A handwritten signature in blue ink that reads "Fadi Daye".

Fadi Daye, P.E.  
Program and Project Supervisor  
Electric Safety and Reliability Branch  
Safety and Enforcement Division  
California Public Utilities Commission

Enclosure: Audit Findings

Cc: Lee Palmer, Director, Safety and Enforcement Division, CPUC  
Nika Kjensli, Program Manager, ESRB, SED, CPUC  
Majed Ibrahim, Senior Utilities Engineer, ESRB, SED, CPUC  
Stacey Ocampo, Utilities Engineer, ESRB, SED, CPUC

## Audit Findings

### I. Records Review

During the audit, my staff reviewed the following records:

- Overhead and underground detailed inspection records
- Patrol records
- Completed and pending corrective action work orders
- Pole load calculations
- Intrusive test records
- Safety hazard notifications
- SCE's documented inspection program.
- Vegetation Management Records

### II. Records Review – Violations List

My staff observed the following violations during the records review portion of the audit:

**GO 165, Section III-B, Distribution Facilities, Standards for Inspection**, states:

*Each utility subject to this General Order shall conduct inspections of its distribution facilities, as necessary, to ensure reliable, high-quality, and safe operation, but in no case may the period between inspections (measured in years) exceed the time specified in Table 1.*

**GO 95, Rule 31.2, Inspection of Lines**, states in part:

*Lines shall be inspected frequently and thoroughly for the purpose of ensuring that they are in good condition so as to conform with these rules. Lines temporarily out of service shall be inspected and maintained in such condition as not to create a hazard.*

- SCE's records indicated that from March 2017 through March 2022, SCE completed 10 patrol inspections past SCE's scheduled due date. Additionally, as of the date of the audit, SCE had 1 pending patrol inspection that was past SCE's scheduled due date.
- SCE's records indicated that from March 2017 through March 2022, SCE completed 6690 detailed inspections past SCE's scheduled due date. Additionally, as of the date of the audit, SCE had 261 pending detailed inspections that were past SCE's scheduled due date.

**GO 165, Section III-B, Distribution Facilities, Standards for Inspection**, states:

*Each utility subject to this General Order shall conduct inspections of its distribution facilities, as necessary, to ensure reliable, high-quality, and safe operation, but in no case may the period between inspections (measured in years) exceed the time specified in Table 1.*

**GO 128, Rule 17.2, Inspection,** states:

*Systems shall be inspected by the operator frequently and thoroughly for the purpose of insuring that they are in good condition and in conformance with all applicable requirements these rules.*

- SCE's records indicated that from March 2017 through March 2022, SCE completed 168 underground inspections past SCE's scheduled due date. Additionally, as of the date of the audit, SCE had 26 pending underground inspections that were past SCE's scheduled due date.

**GO 95, Rule 18-B1, Maintenance Programs,** states in part:

*Companies shall undertake corrective actions within the time periods stated for each of the priority levels set forth below. Scheduling of corrective actions within the time periods below may be based on additional factors, including the following factors, as appropriate ...*

**GO 95, Rule 31.1, Design, Construction and Maintenance,** states in part:

*For all particulars not specified in these rules, design, construction, and maintenance should be done in accordance with accepted good practice for the given local conditions known at the time by those responsible for the design, construction, or maintenance of communication or supply lines and equipment.*

- SCE's records indicated that from March 2017 through March 2022, SCE completed 460 overhead work orders past SCE's due date for corrective action. Additionally, as of the date of the audit, SCE had 604 open overhead work orders that were past SCE's scheduled due date for corrective action.

**GO 128, Rule 17.1, Design, Construction and Maintenance,** states in part:

*Electrical supply and communication systems shall be designed, constructed, and maintained for their intended use, regard being given to the conditions under which they are to be operated, to enable the furnishing of safe, proper, and adequate service.*

- SCE's records indicated that from March 2017 through March 2022, SCE completed 90 underground work orders past SCE's due date for corrective action. Additionally, as of the date of the audit, SCE had 74 open underground work orders that were past SCE's scheduled due date for corrective action.

### III. Field Inspection

My staff inspected the following facilities during the field inspection portion of the audit:

| No. | Structure ID. | Type of Structure | Location         |
|-----|---------------|-------------------|------------------|
| 1   | 1831377E      | Utility pole      | East Los Angeles |
| 2   | 4826314E      | Utility pole      | East Los Angeles |
| 3   | 1614742E      | Utility pole      | East Los Angeles |
| 4   | 1614741E      | Utility pole      | East Los Angeles |
| 5   | 1614740E      | Utility pole      | East Los Angeles |
| 6   | 1465512E      | Utility pole      | East Los Angeles |
| 7   | 1774236E      | Utility pole      | East Los Angeles |
| 8   | 1614739E      | Utility pole      | East Los Angeles |
| 9   | 1614738E      | Utility pole      | East Los Angeles |
| 10  | 2299889E      | Utility pole      | East Los Angeles |
| 11  | 1614737E      | Utility pole      | East Los Angeles |
| 12  | 4398572E      | Utility pole      | East Los Angeles |
| 13  | 4127329E      | Utility pole      | East Los Angeles |
| 14  | 759136H       | Utility pole      | East Los Angeles |
| 15  | 480548H       | Utility pole      | East Los Angeles |
| 16  | 328017E       | Utility pole      | East Los Angeles |
| 17  | 2303526E      | Utility pole      | East Los Angeles |
| 18  | 328015E       | Utility pole      | East Los Angeles |
| 19  | 328014E       | Utility pole      | East Los Angeles |
| 20  | 2314037E      | Utility pole      | East Los Angeles |
| 21  | 328011E       | Utility pole      | East Los Angeles |
| 22  | 601445H       | Utility pole      | East Los Angeles |
| 23  | 2184294E      | Utility pole      | Alhambra         |
| 24  | 508629H       | Utility pole      | Alhambra         |
| 25  | 1844508E      | Utility pole      | Alhambra         |
| 26  | 4297212E      | Utility pole      | Alhambra         |
| 27  | 508340H       | Utility pole      | Alhambra         |
| 28  | 508342H       | Utility pole      | Alhambra         |
| 29  | 4280931E      | Utility pole      | Alhambra         |
| 30  | 538953H       | Utility pole      | Alhambra         |
| 31  | 538900H       | Utility pole      | Alhambra         |
| 32  | 130374E       | Utility pole      | Monterey Park    |
| 33  | 1244167E      | Utility pole      | Monterey Park    |
| 34  | 145540E       | Utility pole      | Monterey Park    |
| 35  | 130377E       | Utility pole      | Monterey Park    |
| 36  | 130378E       | Utility pole      | Monterey Park    |
| 37  | 4338962E      | Utility pole      | Monterey Park    |
| 38  | 769698E       | Utility pole      | Monterey Park    |
| 39  | 530893E       | Utility pole      | Monterey Park    |

|    |          |              |               |
|----|----------|--------------|---------------|
| 40 | 162931E  | Utility pole | Monterey Park |
| 41 | 777899E  | Utility pole | Monterey Park |
| 42 | 278289E  | Utility pole | Rosemead      |
| 43 | 242588E  | Utility pole | Rosemead      |
| 44 | 278288E  | Utility pole | Rosemead      |
| 45 | 4302812E | Utility pole | Rosemead      |
| 46 | 819192E  | Utility pole | Rosemead      |
| 47 | 819193E  | Utility pole | Rosemead      |
| 48 | 819200E  | Utility pole | Rosemead      |
| 49 | 819199E  | Utility pole | Rosemead      |
| 50 | 732814E  | Utility pole | Rosemead      |
| 51 | 848701E  | Utility pole | Rosemead      |
| 52 | 659480E  | Utility pole | Rosemead      |
| 53 | 848702E  | Utility pole | Rosemead      |
| 54 | 848703E  | Utility pole | Rosemead      |
| 55 | 819194E  | Utility pole | Rosemead      |
| 56 | 404155H  | Utility pole | Rosemead      |
| 57 | 1195503E | Utility pole | Rosemead      |
| 58 | 758798H  | Utility pole | Rosemead      |
| 59 | 242585E  | Utility pole | Rosemead      |
| 60 | 758799H  | Utility pole | Rosemead      |
| 61 | 4908900E | Utility pole | Rosemead      |
| 62 | 818951E  | Utility pole | Rosemead      |
| 63 | 819850E  | Utility pole | Rosemead      |
| 64 | 819849E  | Utility pole | Rosemead      |
| 65 | 819848E  | Utility pole | Rosemead      |
| 66 | 819847E  | Utility pole | Rosemead      |
| 67 | 819846E  | Utility pole | Rosemead      |
| 68 | 1455376E | Utility pole | Montebello    |
| 69 | 558133E  | Utility pole | Montebello    |
| 70 | 4308232E | Utility pole | Montebello    |
| 71 | 4305231E | Utility pole | Montebello    |
| 72 | 4820179E | Utility pole | Montebello    |
| 73 | 4820180E | Utility pole | Montebello    |
| 74 | 4820181E | Utility pole | Montebello    |
| 75 | 542454E  | Utility pole | Montebello    |
| 76 | 416968H  | Utility pole | Montebello    |
| 77 | 4476769E | Utility pole | Montebello    |
| 78 | 4908908E | Utility pole | Montebello    |
| 79 | 4591379E | Utility pole | Montebello    |
| 80 | 4843075E | Utility pole | Montebello    |
| 81 | 4736289E | Utility pole | Whittier      |
| 82 | 869616E  | Utility pole | Whittier      |
| 83 | 164964E  | Utility pole | Whittier      |
| 84 | 1227406E | Utility pole | Whittier      |

|     |          |                         |                  |
|-----|----------|-------------------------|------------------|
| 85  | 4920203E | Utility pole            | Whittier         |
| 86  | 1227405E | Utility pole            | Whittier         |
| 87  | 869614E  | Utility pole            | Whittier         |
| 88  | 1227404E | Utility pole            | Whittier         |
| 89  | 4724987E | Utility pole            | Whittier         |
| 90  | 632007E  | Utility pole            | Whittier         |
| 91  | 632005E  | Utility pole            | Whittier         |
| 92  | 4777029E | Utility pole            | Whittier         |
| 93  | 128644E  | Utility pole            | Whittier         |
| 94  | 128520E  | Utility pole            | Whittier         |
| 95  | 941914E  | Utility pole            | Whittier         |
| 96  | 5009068  | BURD Switch             | Montebello       |
| 97  | 5009067  | BURD Switch             | Montebello       |
| 98  | 5009127  | BURD Transformer        | Montebello       |
| 99  | P5502777 | Pad-mounted Transformer | Monterey Park    |
| 100 | 5164126  | BURD Transformer        | Monterey Park    |
| 101 | 5178494  | BURD Transformer        | Monterey Park    |
| 102 | V5121508 | Vault                   | Monterey Park    |
| 103 | 5310763  | BURD Transformer        | Alhambra         |
| 104 | P5404430 | Pad-mounted Transformer | Alhambra         |
| 105 | 5015366  | BURD Transformer        | Alhambra         |
| 106 | 5015367  | BURD Transformer        | Alhambra         |
| 107 | P5556196 | Pad-mounted Transformer | El Monte         |
| 108 | 5556195  | Splice Box              | El Monte         |
| 109 | P5556197 | Pad-mounted Transformer | El Monte         |
| 110 | 5351791  | Pad-mounted Switch      | El Monte         |
| 111 | 1673112E | Utility pole            | East Los Angeles |
| 112 | 4578252E | Utility pole            | Monterey Park    |
| 113 | 552898E  | Utility pole            | Monterey Park    |
| 114 | 552899E  | Utility pole            | Monterey Park    |
| 115 | 1658428E | Utility pole            | Alhambra         |
| 116 | 758708E  | Utility pole            | El Monte         |
| 117 | 815946E  | Utility pole            | Pico Rivera      |
| 118 | 1950386E | Utility pole            | Pico Rivera      |
| 119 | 2184328E | Utility pole            | Pico Rivera      |
| 120 | 1777266E | Utility pole            | Pico Rivera      |
| 121 | 1752783E | Utility pole            | Pico Rivera      |
| 122 | 1752782E | Utility pole            | Pico Rivera      |
| 123 | 1752781E | Utility pole            | Pico Rivera      |
| 124 | 4728840E | Utility pole            | Pico Rivera      |
| 125 | 1752784E | Utility pole            | Pico Rivera      |

#### **IV. Field Inspection – Violations List**

My staff observed the following violations during the field inspections portion of the audit:

**GO 95, Rule 31.1, Design Construction and Maintenance**, states in part:

*Electrical supply and communication systems shall be designed, constructed, and maintained for their intended use, regard being given to the conditions under which they are to be operated, to enable the furnishing of safe, proper, and adequate service.*

SCE's facilities on the following poles required maintenance:

- Pole 1614740E: a primary conductor was damaged.
- Pole No. 1465512E: an insulator attached to the secondary crossarm was sunken.
- Pole No. 1614738E: an insulator attached to the secondary crossarm was sunken.
- Pole No. 1614737E: two of the insulators attached to the secondary crossarm were sunken.

A crossarm on each of the following SCE poles was damaged:

- 1244167E
- 278288E

**GO 95, Rule 31.6, Abandoned Lines**, states in part:

*Lines or portions of lines permanently abandoned shall be removed by their owners so that such lines shall not become a public nuisance or a hazard to life or property. For the purposes of this rule, lines that are permanently abandoned shall be defined as those lines that are determined by their owner to have no foreseeable future use.*

- Insulators on Pole 1752781E were abandoned and not removed.

**GO 95, Rule 35, Vegetation Management**, states in part:

*When a supply or communication company has actual knowledge, obtained either through normal operating practices or notification to the company, that its circuit energized at 750 volts or less shows strain or evidences abrasion from vegetation contact, the condition shall be corrected by reducing conductor tension, rearranging or replacing the conductor, pruning the vegetation, or placing mechanical protection on the conductor(s).*

- A secondary conductor attached to SCE Pole 819850E was strained by vegetation.

**GO 95, Rule 51.6, Marking and Guarding, High Voltage Marking of Poles,** states in part:

*Poles which support line conductors of more than 750 volts shall be marked with high voltage signs. This marking shall consist of a single sign showing the words “HIGH VOLTAGE”, or pair of signs showing the words “HIGH” and “VOLTAGE”, not more than six (6) inches in height with letters not less than 3 inches in height. A pair of signs may be stacked to a height of no more than 12 inches. Such signs shall be of weather and corrosion-resisting material, solid or with letters cut out therefrom and clearly legible.*

The high voltage signs on each of the following SCE poles were either missing or damaged:

- 4297212E
- 508342H
- 4280931E
- 538900H
- 145540E
- 130377E
- 4338962E
- 758798H
- 818951E
- 819850E
- 819848E
- 819847E
- 819846E
- 869616E
- 869614E
- 2184328E

**GO 128, Rule 17.1, Design Construction and Maintenance,** states in part:

*Electrical supply and communication systems shall be designed, constructed, and maintained for their intended use, regard being given to the conditions under which they are to be operated, to enable the furnishing of safe, proper, and adequate service.*

- Padmount transformer P5556197 was leaking fluid.