

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



June 17, 2015

Melvin Stark
Manager, Maintenance & Inspection
Southern California Edison (SCE)
3 Innovation Way
Pomona, CA 91768

EA2015-002

SUBJECT: Audit of SCE's Montebello District

Dear Mr. Stark:

On behalf of the Electric Safety and Reliability Branch of the California Public Utilities Commission, Zelalem Ewnetu of my staff conducted an audit of SCE's Montebello District from February 23, 2015 to February 27, 2015. The audit included a review of SCE's records and field inspections of SCE's facilities.

During the audit, my staff identified violations of one or more General Orders. A copy of the audit findings itemizing the violations is enclosed. Please advise me no later than July 20, 2015, by electronic or hard copy, of all corrective measures taken by SCE to remedy and prevent such violations.

If you have any questions, you can contact Zelalem Ewnetu at (213) 576-7042 or zel@cpuc.ca.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "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: Elizaveta Malashenko, Director, Safety and Enforcement Division, CPUC
Charlotte TerKeurst, Program Manager, Electric Safety and Reliability Branch, CPUC

AUDIT FINDINGS

The following violations were discovered during SCE's records review.

1.	Location:	Various
	Previous SCE Visit Details:	Various
	Date of CPUC Inspection:	02/23/15
Explanation of Violation(s):		
<u>Late Work Orders</u>		
<p>General Order 165, Section III-C, states in part:</p> <p style="text-align: center;"><i>For all inspection records shall specify...items requiring corrective action... as well as the scheduled date of corrective action.</i></p> <p>General Order 95, Rule 31.1, states in part:</p> <p style="text-align: center;"><i>Electrical supply and communication systems shall be designed, constructed, and maintained for their intended use ... to enable the furnishing of safe, proper, and adequate service.</i></p> <p>There were forty (40) work orders completed late between 2012 and 2014.</p>		
2.	Location:	Poles numbered 248486E and 92197E
	Previous SCE Visit Details:	Various
	Date of CPUC Inspection:	02/27/15
Explanation of Violation(s):		
<u>Overloaded Poles</u>		
<p><i>General Order 95, Rule 44.1, requires electric utilities to maintain a minimum bending safety factor of 2.67 for their wood poles in Grade A construction.</i></p> <p>SCE pole loading records indicated that poles numbered 92197E and 248486E had bending safety factors of 2.66 and 2.19, respectively.</p>		

The following violations were not documented and/or addressed by SCE during its last detailed inspection as required by General Order (GO) 165:

3.	Location:	Pole Number 662184H
	Previous SCE Visit Details:	10/31/13
	Date of CPUC Inspection:	02/27/15
Explanation of Violation(s):		
<u>Inaccurate Loading Calculation</u>		
<p>General Order 95, Rule 44.2, states in part:</p> <p style="text-align: center;"><i>Any entity planning the addition of facilities that materially increases loads on a structure shall perform a loading calculation... Such loading calculations shall be based on existing condition and proposed configuration.</i></p> <p>The pole supported two 50 kVA transformers that were not included in the pole loading calculation.</p>		

4.	Location:	Poles Numbered 479868E and 1417223E
	Previous SCE Visit Details:	Various
	Date of CPUC Inspection:	02/23/15
Explanation of Violation(s):		
<u>Loose Guy Wires</u>		
<p>General Order 95, Rule 56.2, states in part:</p> <p style="text-align: center;"><i>Guys shall be attached to structures, as nearly as practicable, at the center of load. They shall be maintained taut and of such strength as to meet the safety factors of Rule 44</i></p> <p>The down guy wire on pole number 479868E, and the span guy wire on pole number 1417223E were not taut.</p>		

5.	Location:	Poles Numbered 2005518E and 810332E
	Previous SCE Visit Details:	Various
	Date of CPUC Inspection:	02/23/15
Explanation of Violation(s):		
<p data-bbox="224 520 506 552"><u>Guy Wire Clearance</u></p> <p data-bbox="224 590 1498 657"><i>General Order 95, Rule 38, Table 2, Case 18-C, requires utilities to maintain three inch separation between supply guy wires and communication wires.</i></p> <p data-bbox="224 699 1442 766">Communication cables and SCE down guy wires on the poles had separations of less than three inches.</p>		