

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



August 10, 2015

EA2015-007

Steve Trevino
Electric Superintendent
Truckee Donner Public Utility District
11570 Donner Pass Road
Truckee, CA 96161

SUBJECT: Audit of the Truckee Donner Public Utility District (TDPUD)

Dear Mr. Trevino:

On behalf of the Electric Safety and Reliability Branch (ESRB) of the California Public Utilities Commission, Raymond Cho of my staff conducted an electric audit of TDPUD from May 11 to May 13, 2015. The audit included a review of TDPUD's records and field inspections of Truckee'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 September 11, 2015 by electronic or hard copy, of all corrective measures taken by TDPUD to remedy and prevent such violations. Also, please provide an update on work order completion dates and the nature of the work for the following poles that were identified for reassessment: 66528988, 56971775, 55871700, and 05869987. In addition, provide an updated pole loading calculation for pole No. 63251897 reflecting the actual pole Class.

If you have any questions concerning this audit please contact Raymond Cho at (415) 703-2236 or raymond.cho@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
Charlotte TerKeurst, Program Manager, Safety and Enforcement Division, CPUC
Alok Kumar, P.E., Senior Utilities Engineer Supervisor, ESRB
Raymond Cho, P.E., Utilities Engineer, ESRB

AUDIT FINDINGS

Company: Truckee Donner Public Utility District
Electric Audit
Date: May 11 - 13, 2015

A.	Location:	Truckee Donner Public Utility District
	Date Visited by CPUC:	5/11/2015 – 5/13/2015
	Explanation of Violation(s):	
	<u>Late Inspection</u>	
	<p>GO 165, Section III-B, Standards for Inspection, states in part:</p> <p style="padding-left: 40px;"><i>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 <u>Table 1</u>.</i></p> <p>Pole ID 17245941 was inspected late.</p>	

B.	Location:	Truckee Donner Public Utility District
	Date Visited by CPUC:	5/11/2015 – 5/13/2015
	Explanation of Violation(s):	
	<p data-bbox="253 459 483 491"><u>Late Inspection</u></p> <p data-bbox="253 531 1008 562">GO 165, Section III-C: Record Keeping, states in part:</p> <p data-bbox="293 604 1295 743"><i>For all inspections records shall specify the circuit, area, facility or equipment inspected, the inspector, the date of the inspection, and any problems (or items requiring corrective action) identified during each inspection, as well as the scheduled date of corrective action.</i></p> <p data-bbox="253 785 1289 816">GO 128, Rule 17.1, Design, Construction and Maintenance, states in part:</p> <p data-bbox="293 858 1357 997"><i>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.</i></p> <p data-bbox="253 1039 954 1071">Facility ID #51378965 was inspected 35 days late.</p>	

The following violations were identified during the field inspection of the audit and were not documented and/or addressed by TDPUD during its last detailed inspection as required by General Order 165:

C.	Location:	Pump/Ski Slope
	Equipment No.:	Pole #13939178
	Previous Visit by TDPUD:	3/14/14
	Date Visited by CPUC:	5/12/15
Explanation of Violation(s):		
<p><u>Inadequate Clearance Between Conductors</u></p> <p>GO 95, Rule 38, Table 2, requires a clearance of 72 inches between communication conductors and electric supply conducts operating between 7.5 kV and 20 kV. However, exception (n) allows for a reduction as specified below.</p> <p>GO 95, Rule 89.2-B, requires a four (4) feet minimum radial clearance from “Same Ownership” communication conductors on the same pole. TDPUD’s neutral wire was less than two (2) feet from the TDPUD’s communication conductor.</p>		

D.	Location:	Unknown
	Equipment No.:	Pole #59329657
	Previous Visit by TDPUD:	4/3/14
	Date Visited by CPUC:	5/13/15
Explanation of Violation(s):		
<p><u>Inadequate Safety Factor</u></p> <p>GO 95, Rule 44.1, Installation and Reconstruction, states in part:</p> <p><i>Lines and elements of lines, upon installation or reconstruction, shall provide as a minimum the safety factors specified in <u>Table 4</u>. The design shall consider all supply and communication facilities planned to occupy the structure. For purposes of this rule, the term “planned” applies to the facilities intended to occupy the structure that are actually known to the constructing company at the time of design.</i></p> <p>GO 95, Rule 44.1 requires poles of Grade A construction to have a safety factor of 4 at the time of installation. TDPUD’s calculation shows a safety factor of 2.04 at the time of installation.</p>		