

## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



August 18, 2014

SA2014-006

Manjit Sekhon, P.E.  
Principal Distribution System Engineer  
Sacramento Municipal Utility District  
4401 Bradshaw Road  
Sacramento, CA 95827

**SUBJECT:** Audit of Sacramento Municipal Utility District – Electric Substation

Dear Mr. Sekhon:

On behalf of the Electric Safety and Reliability Branch (ESRB) of the California Public Utilities Commission, Ivan Garcia and Yusef Collins of my staff conducted an electric substation audit of Sacramento Municipal Utility District (SMUD) from July 14-18, 2014. The audit included a review of SMUD's records and field inspections of SMUD's facilities.

During the audit, my staff identified violations of General Order 174. A copy of the audit findings itemizing the violation(s) is enclosed. Please advise me no later than September 22, 2014 of the corrective measures taken by SMUD to remedy and prevent such violations.

If you have any questions concerning this audit you can contact Ivan Garcia at (916) 928-5875 or [ivan.garcia@cpuc.ca.gov](mailto:ivan.garcia@cpuc.ca.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Fadi Daye".

Fadi Daye, P.E.  
Acting Program and Project Supervisor  
Electric Safety and Reliability Branch  
Safety and Enforcement Division

Enclosure: Audit Findings

CC: Elizaveta Malashenko, Deputy Director, Safety and Enforcement Division, CPUC  
Charlotte TerKeurst, Program Manager, Safety and Enforcement Division, CPUC  
Alok Kumar, Senior Utilities Engineer, Supervisor CPUC  
Ivan Garcia, Utilities Engineer, CPUC  
Yusef Collins, Utilities Engineer, CPUC

## Audit Findings

**Company: Sacramento Municipal Utility District**

**Substation Audit**

**Date: July 14 to 18, 2014**

### Violation(s)

<b>A.</b>	<b>Location:</b>	<b>Sacramento Municipal Utility District Headquarters</b>
	<b>Date Visited by CPUC:</b>	7/14/2014 – 7/18/2014
	<b>Explanation of Violation(s):</b>	
	<b><u>No Annual Filing submitted to the USRB</u></b>	
	<p>GO 174, Section IV, Rule 40, Annual Filings, states:</p> <p style="padding-left: 40px;"><i>40.1 No later than July 1<sup>st</sup> of each year, each Operator shall transmit to the Utilities Safety and Reliability Branch (USRB) an Inspection Program Summary.</i></p> <p style="padding-left: 40px;"><i>Changes to the Inspection Program shall be reflected in the Inspection Program Summary, including the effective date of the change. Should no changes occur since previous filing, the Operator shall transmit written correspondence confirming that no changes were made to the Program.</i></p> <p style="padding-left: 40px;"><i>40.2 No later than July 1<sup>st</sup> of each year, each Operator shall transmit to the CPSD a report summarizing completed and past due Inspections for the prior calendar year.</i></p> <p>SMUD did not submit an Annual Filing to the USRB.</p>	

The following violation discovered by ESRB engineers during the field audit were not documented and addressed by SMUD during its last inspection as required by General Order 174.

<b>B.</b>	<b>Location:</b>	9244 Franklin Blvd., Sacramento
	<b>Substation:</b>	Franklin-Laguna Substation
	<b>Previous Visit by SMUD:</b>	6/19/2014
	<b>Date Visited by CPUC:</b>	7/16/2014
<b>Explanation of Violation(s):</b>		
<p><b><u>Corrosive Switchgear Enclosure</u></b></p> <p>GO 174, Rule 12, states in part:</p> <p><i>Substations shall be designed, constructed and maintained for their intended use, regard being given to the conditions under which they are to be operated, to promote the safety of workers and the public and enable adequacy of service.</i></p> <p><i>Design, construction and maintenance should be performed in accordance with accepted good practices for the given local conditions known at the time by those responsible.</i></p> <p>ESRB found signs of corrosion on the switchgear metal enclosure at Franklin-Laguna Substation. SMUD's Distribution Substation Visual Inspection Plan states that qualified personnel shall observe any damage to paint/galvanizing or signs of corrosion and deterioration, bending, buckling and cracking at the support structures and foundations.</p> <p>SMUD's last Distribution Substation Inspection Report at the Franklin-Laguna Substation on 6/19/2014 did not mention the corrosion on the switchgear metal enclosure.</p>		