

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



August 11, 2014

EA2014-005

Jadwindar Singh
Manager, Distribution Compliance
Pacific Gas and Electric Company
245 Market St, #926
San Francisco, CA 94105

SUBJECT: Audit of PG&E's Mission Division

Dear Mr. Singh:

On behalf of the Electric Safety and Reliability Branch (ESRB) of the California Public Utilities Commission (CPUC), Jamie Lau and Raymond Cho of my staff conducted an electric audit of PG&E's Mission Division from March 24 to 28, 2014. The audit included a review of PG&E's records and field inspections of PG&E'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 12, 2014, by electronic or hard copy, of all corrective measures taken by PG&E to remedy and prevent such violations.

If you have any questions concerning this audit, please contact Jamie Lau at (415) 703-2233 or jamie.lau@cpuc.ca.gov.

Sincerely,

A handwritten signature in black 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, ESRB, CPUC
Alok Kumar, P.E., Senior Utilities Engineer Supervisor, ESRB, CPUC
Jamie Lau, P.E., Utilities Engineer, ESRB, CPUC
Raymond Cho, Utilities Engineer, ESRB, CPUC

Audit Findings

Company: PG&E – Mission Division

Electric Audit

Date: March 24 to 28, 2014

A.	Location:	PG&E – Mission Division															
	Date Visited by CPUC:	3/24/2014-3/28/2014															
	Explanation of Violation(s):																
	<u>Incomplete Inspections</u>																
	<p>GO 165, Section III-B, Standards for Inspection, states:</p> <p style="text-align: center;"><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 Table 1.</i></p> <p>Facilities in the following maps were not inspected on time as required by GO 165:</p>																
	<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Map</th> <th style="text-align: center;">Inspection Type</th> <th style="text-align: center;">Year Missed</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">H1211</td> <td style="text-align: center;">Patrol</td> <td style="text-align: center;">2011</td> </tr> <tr> <td style="text-align: center;">N1205</td> <td style="text-align: center;">Patrol</td> <td style="text-align: center;">2011</td> </tr> <tr> <td style="text-align: center;">H1122</td> <td style="text-align: center;">Patrol</td> <td style="text-align: center;">2011</td> </tr> <tr> <td style="text-align: center;">H1122</td> <td style="text-align: center;">Detailed</td> <td style="text-align: center;">2012</td> </tr> </tbody> </table>		Map	Inspection Type	Year Missed	H1211	Patrol	2011	N1205	Patrol	2011	H1122	Patrol	2011	H1122	Detailed	2012
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H1211	Patrol	2011															
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B.	Location:	PG&E – Mission Division
	Date Visited by CPUC:	3/24/2014-3/28/2014
	Explanation of Violation(s):	
	<p data-bbox="250 426 883 464"><u>Past-Due Electric Corrective Notifications</u></p> <p data-bbox="250 499 1308 537">G GO 95, Rule 31.1, Design, Construction and Maintenance, states in part:</p> <p data-bbox="342 573 1252 720"><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="250 756 1292 793">GO 128, Rule 17.1, Design, Construction and Maintenance, states in part:</p> <p data-bbox="342 829 1252 976"><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="250 1012 1403 1159">1,642 Electric Corrective (EC) notifications, from January 2009 to February 24, 2014, were completed past their scheduled date of corrective action. Furthermore, 18 EC Notifications are currently open past their scheduled date of corrective action. All past-due EC notifications include overhead and underground facilities.</p>	

C.	Location:	2080 Holmes Street, Livermore
	Pole No.:	N/A
	Previous Visit by PG&E:	7/2/2013
	Date Visited by CPUC:	3/26/2014
Explanation of Violation(s):		
<u>Slack Down Guy</u>		
GO 95, Rule 56.2 requires guys to be maintained taut.		
The down guy was slack.		

D.	Location:	7824 Mayan Court, Dublin
	Pole No.:	N/A
	Previous Visit by PG&E:	5/21/2013
	Date Visited by CPUC:	3/26/2014
Explanation of Violation(s):		
<u>Facility Not Considered For Pole Loading Calculation</u>		
GO 95, Rule 44.1, Installation and Reconstruction, states in part:		
<p><i>Lines and elements of lines, upon installation or reconstruction, shall provide as a minimum the safety factors specified in Table 4. 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>		
PG&E did not include the weight of a transformer installed on Joint Pole #1 when it performed pole loading calculation.		

ESRB engineers discovered the following GO 128 violation during the field audit. This violation was not documented and/or addressed by PG&E during its last detailed inspection as required by General Order 165:

E.	Location:	2348 Medallion Drive, Union City
	Facility:	Transformer T-12114
	Previous Visit by Utility:	2/24/2014
	Date Visited by CPUC:	3/27/2014
Explanation of Violation(s):		
<p><u>Primary Splices Not Supported</u></p> <p>GO 128, Rule 17.1, Design, Construction and Maintenance, states in part:</p> <p style="text-align: center;"><i>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 [the] communication or supply lines and equipment.</i></p> <p>PG&E's Electric Distribution Preventive Maintenance Manual, Reference #28077, identify primary splices not adequately supported as a condition to be documented during underground detailed inspections.</p> <p>The bar supporting the primary cable splices was collapsed.</p>		