

PUBLIC UTILITIES COMMISSION

805 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



June 24, 2010

EA-2009-19

Mr. Terry Albers
Maintenance Manager
City of Roseville Electric
2090 Hilltop Circle
Roseville, CA 95747

CPUC File No. EA2009-19

SUBJECT: General Order 95, 128, and 165 Audit of City of Roseville Electric

Dear Mr. Albers,

On behalf of the Utility Safety and Reliability Branch of the California Public Utilities Commission, Ryan Yamamoto and I conducted General Order 95, 128, and 165 Inspections of the City of Roseville Electric from September 21-23, 2009.

During the audit, we identified violations of one or more of the General Orders. A copy of the inspection summary itemizing the violations is enclosed. Please advise me by electric or hard copy of all corrective measures taken by the City of Roseville Electric regarding the violations. By August 6, 2010 please advise me of all corrective measures planned or taken by the City of Roseville Electric regarding the violation(s) and the date on which they are to be corrected or were corrected.

If you have any questions, please contact me at (916) 928-5875.

Sincerely,

A handwritten signature in red ink, appearing to read "Ivan Garcia".

Ivan Garcia
Utilities Engineer
Utilities Safety and Reliability Branch
Consumer Protection and Safety Division

Enclosure: Inspection Summary

Inspection Summary

I. General Order (GO) 165, Inspection Cycles for Electric Distribution Facilities

A. Paragraph IV (1st sub-paragraph) states:

"Each utility subject to this General Order shall conduct inspections of its distribution facilities as necessary to assure reliable, high quality, and safe operation, but in no case may the period between inspections (measured in years) exceed the time specified in the attached table. Appendix A."

The City of Roseville Electric does not have a formal inspection program that complies with the GO165 inspection requirements. The current system in place does not demonstrate compliance with inspection cycles required by GO 165.

B. Paragraph IV (5th sub-paragraph) states:

"For all inspections, within a reasonable period, company records shall specify the circuit, area, or equipment inspected, the name of the inspector, the date of the inspection, and any problems identified during each inspection, as well as the scheduled date of corrective action. ..."

The City of Roseville Electric inspection program does not identify all GO 95 and 128 violations of its electric facilities.

II. GO 128, Rules For Construction of Underground Electric Supply and Communication Systems

GO 128, Rule 34.3-B, Guarding Live Parts states:

"Compartments and enclosures which will, during normal operation, contain exposed live parts shall be designed and installed to prevent a person from passing a wire or other conducting material into such compartment from the outside when it is closed. This requirement is not intended to prevent normal work operations such as fishing ducts and installing cable.

"EXCEPTION:

"Pad-mounted equipment that contains exposed live parts shall be installed to resist the passing of a wire the equivalent of a bare number 18 AWG from the outside between the pad and the housing of the equipment, into the compartment which contains live parts when it is closed."

On September 23, 2009 the following transformer enclosure, that contained exposed live parts, was shown to have an opening at the base which could enable a person to insert a wire or other conducting material into the enclosures from the outside when the enclosures are closed. The transformer was last inspected on September 11, 2009.

- 1) Transformer T-1433 located behind 1440 Elm St.

GO 128, Rule 34.3-A, Strength states:

"The equipment case or enclosure shall be secured in place and be of sufficient strength to resist entrance or damage to the equipment by unauthorized persons."

On September 23, 2009, the following pad mount transformer enclosure was not secured with bolts to the junction box. The transformer was last inspected September 11, 2009.

- 1) Junction Box J-70 located at 1301 Main St.

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."

On September 23, 2009, the following equipment was not inspected during the City of Roseville Electric's inspection program on September 11, 2009.

- 1) Junction Box J-70 located at 1301 Main St.
- 2) Transformer #1644 located at 1301 Main St.

III. GO 95, Rules for Overhead Electric Line Construction

GO 95, Rule 51.6A, Marking and Guarding, High Voltage Markings 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 letter cut out therefrom and clearly legible."

During our inspection on September 23, 2009, the following poles were found missing high voltage signs and/or the signs were not legible.

- 1) Pole #P-52 located at 1750 Cirby Way and inspected by the City of Roseville Electric on August 10, 2009 was missing a high voltage sign
- 2) Pole #1407 located at 102 Athan Ave and inspected by the City of Roseville Electric on September 17, 2009 had the "VOLTAGE" hanging from the cross arm and was not clearly legible