

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



December 22, 2009

Eli Higgins
Operations Manager
Anza Electric Cooperative, Inc.
P.O. Box 391909
58470 Hwy 371
Anza, CA 92539

CPUC File No.: EA2009-29

SUBJECT: General Order (GO) 165 Compliance Audit of Anza Electric Cooperative, Inc.

On behalf of the Utilities Safety and Reliability Branch of the California Public Utilities Commission (CPUC), Mahmoud Intably and I conducted an electric audit of Anza Electric Cooperative, Inc. from December 7-10, 2009. The audit included a review of your inspection records (1995 to present) and a field inspection in areas where Anza Electric Cooperative, Inc. recently performed inspections of overhead and underground facilities.

We found that Anza Electric Cooperative, Inc. did not document all GO 95 and 128 violations at the time of its inspection. In addition, for detailed inspections, Anza Electric Cooperative, Inc. did not rate the condition of inspected equipment and did not assign a scheduled date of corrective action. We also found that Anza Electric Cooperative, Inc. did not conduct patrols and detail inspections on all of its overhead and underground system as required by GO 165.

Attached to this letter is a list of the violations we observed during the audit.

Please advise me within 30 days of corrective measures taken by Anza Electric Cooperative, Inc. regarding the above violations. If you have any questions, please contact me at (213) 620-2780.

Sincerely,

A handwritten signature in black ink, appearing to read "Cynthia Lee".

Cynthia Lee
Utilities Engineer
Utilities Safety and Reliability Branch
Consumer Protection and Safety Division

Enclosure: Inspection Report

Inspection Report

List of GO 95 and 128 violations that were observed during the audit and were not documented in Anza Electric Cooperative's inspection records.

GO 95, Rule 31.1 Design, Construction and Maintenance

Rule 31.1 states:

"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.

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.

All work performed on public streets and highways shall be done in such a manner that the operations of other utilities and the convenience of the public will be interfered with as little as possible and no conditions unusually dangerous to workmen, pedestrians or others shall be established at any time."

The following poles had an exposed ground rod:

- | | | |
|---------|---------|----------|
| 1. 7178 | 5. 3098 | 9. 9638 |
| 2. 3257 | 6. 4332 | 10. 6356 |
| 3. 2586 | 7. 7542 | |
| 4. 3157 | 8. 9695 | |

GO 95, Rule 51.6A High Voltage Marking

Rule 51.6A states:

"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. Such signs shall be of weather and corrosion-resisting material, solid or with letters cut out therefrom and clearly legible."

The following poles supported line conductors of more than 750 volts and had broken or missing high voltage signs:

- | | | |
|----------|----------|----------|
| 1. 4518 | 12. 7107 | 23. 221 |
| 2. 1035 | 13. 1136 | 24. 222 |
| 3. 1036 | 14. 3158 | 25. 230 |
| 4. 1037 | 15. 3157 | 26. 229 |
| 5. 1038 | 16. 4332 | 27. 228 |
| 6. 1039 | 17. 7542 | 28. 494 |
| 7. 1040 | 18. 6721 | 29. 1457 |
| 8. 1042 | 19. 1193 | |
| 9. 1044 | 20. 7194 | |
| 10. 1135 | 21. 7141 | |
| 11. 2586 | 22. 7142 | |

GO 95, Rule 56.2 Overhead Guys, Anchor Guys and Span Wires

Rule 56.2 states:

“Where mechanical loads imposed on poles, towers, or structures are greater than can be supported with safety factors as specified in Rule 44, additional strength shall be provided by the use of guys or other suitable construction. Where guys are used with poles or similar structures capable of considerable deflection before failure, the guys shall be able to support the entire load, the pole below the point of guy attachment acting merely as a strut.

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.”

The following poles had loose guy wires:

- | | | |
|---------|--------|--------|
| 1. 1037 | 2. 221 | 3. 222 |
|---------|--------|--------|

GO 95, Rule 56.9 Guy Marker

Rule 56.9 states:

“A substantial marker of suitable material, including but not limited to metal or plastic, not less than 8 feet in length, shall be securely attached to all anchor guys. Where more than one guy is attached to an anchor rod, only the outermost guy is required to have a marker.”

The following poles had a broken or missing guy marker:

- | | | |
|----------|---------|---------|
| 1. 1037 | 4. 6721 | 7. 2853 |
| 2. 1135 | 5. 7194 | |
| 3. 10895 | 6. 494 | |

GO 95, Rule 54.6B Ground Wires

Rule 54.6B states:

“Ground wires shall have a conductivity and mechanical strength at least equal to that of No. 8 AWG medium-hard-drawn copper wire; they shall not be installed on the top surfaces of crossarms; and they shall have clearances of not less than 1.5 inches from hardware in accordance with the provisions of Rules 52.7-B and 52.7-C.”

That portion of the ground wires attached on the face or back of wood crossarms or on the surface of wood poles and structures shall be covered by a suitable protective covering (see Rule 22.8...”

The following poles had exposed ground wires:

- | | | |
|---------|----------|----------|
| 1. 9863 | 9. 3157 | 17. 9695 |
| 2. 3257 | 10. 3099 | 18. 4977 |
| 3. 1035 | 11. 3098 | 19. 1456 |
| 4. 1038 | 12. 4332 | 20. 2853 |
| 5. 1041 | 13. 7542 | 21. 2599 |
| 6. 1044 | 14. 2353 | 22. 5829 |
| 7. 1135 | 15. 1192 | |
| 8. 3158 | 16. 1193 | |

GO 95, Rule 91.3A(1) Stepping poles with vertical runs or risers

Rule 91.3A(1) states:

“All jointly used poles which support supply conductors shall be provided with pole steps if vertical runs or risers are attached to the surface of such poles...”

The following poles were not provided with pole steps:

- | | |
|---------|---------|
| 1. 7178 | 4. 9638 |
| 2. 2586 | 5. 2599 |
| 3. 3098 | |

GO 128, Rule 34.3A Strength

Rule 34.3A 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.”

Padmount transformer equipment number 3873 was not secured in place.