

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



May 15, 2009
Mr. Colin Murphey
Electric Superintendent
City of Ukiah
1320 Airport Road
Ukiah, CA 95482

CPUC File No. EA2009-06

SUBJECT: General Order 95, 128, and 165 Audit of Ukiah Utilities

Dear Mr. Murphey

On behalf of the Utility Safety and Reliability Branch of the California Public Utilities Commission, Jadwindar Singh and I conducted a General Order (GO) 95, 128, and 165 Inspection of Ukiah Utilities from April 15 – 17, 2009. The audit included a review of any GO 165 records.

During the audit, we identified violations of one or more General Orders. A copy of the inspection summary itemizing the violations is enclosed. Please advise me of all corrective measures taken by the utility regarding the above violation(s). Please provide the electronic or hard copy records showing the correction date for each violation.

If you have any questions, please contact me at (415) 703-1555.

Sincerely,

A handwritten signature in cursive script that reads "George E. Carter".

George E. Carter
Utilities Engineer
Utilities Safety and Reliability Branch
Consumer Protection and Safety Division

Enclosure: Appendix A (12 pgs)
1.0 GO 165 Record Review
2.0 GO 95 Field Notes and Programs Review
3.0 GO 128 Field Notes and Programs Review
4.0 Recommendations

Copy: Mr. Ross Johnson – AT&T
Mr. Joe Raposa - Comcast
Mr. Mel Grandi – Ukiah Utilities

APPENDIX A

1.1 GO 165 Record Review

General Order No. 165, INSPECTION CYCLES FOR ELECTRIC DISTRIBUTION FACILITIES

1.1.1 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."

Review of Ukiah Utilities (UMED) Service Call Forms, and Voltage Problem Forms plus discussion with key UMED personnel: Colin Murphey, Electric Supervisor; Jim Lozano, Electrical Engineering Technician; and Rodney Huffman, Lineman leads me to the conclusion that UMED does not have a formal inspection program to comply with GO 165 inspection requirements.

UMED must develop a formal written Procedure/Standard for Inspection and Maintenance for Overhead and Underground Distribution Circuits.

1.1.2. 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. ..."

UMED is a member of the Northern California Power Agency (NCPA). UMED's infrastructure is: 38.9 miles of overhead; 34.2 miles of underground; 1 Substation (which will be up-dated); 8,094 active customers; and no SCADA system. The complete utility system is given a Visual (Patrol) inspection each year but Detailed inspections are conducted in conjunction with resolution of problem(s) identified by Service Call Forms. They have a Pole Replacement Program. In 2001 they hired OSMOSE Utilities Services, Inc. which conducted intrusive inspections on about 958 poles (the north half of the city) with 156 bad poles identified. UMED has completed replacement of 26 Poles and is going out for bids on the remaining 130 Poles.

UMED must institute a formal Inspection program which would document the attributes listed in the above paragraph (GO 165 Paragraph IV, 5th sub-paragraph) for the UMED Utility Infrastructure.

2.1 GO 95 Inspection Field Notes and Programs Review

2.1.1. Inspection of Recent Pole Construction

Field Inspection was conducted on Apr 16 & 17, 2009,
see attached GO 95 & GO128 Inspection Field Sheets.

2.1.2. Inspections of Existing Pole Facilities

Field Inspection was conducted on Apr 16, 2009,
see attached GO 95 Inspection Field Sheets.

3.1 GO 128 Inspection Field Notes and Programs Review

3.1.1. Inspection of Recent Underground Construction
Field Inspection was conducted on Apr 16, 2009,
see attached GO95 & GO 128 Inspection Field Sheets.

3.1.2. Inspection of Existing Underground Facilities
Field Inspection was conducted on Apr 16, 2009,
see attached GO 128 Inspection Field Sheets.

4.1 Recommendations

4.1.1 None

C.P.U.C. G.O. 95 & G.O.128 INSPECTION FIELD SHEET New Construction

No.: EA2009-06

Inspection Team PUC: George Carter

Jadwinder Singh

Names & Utility: Jim Lozano, UMED

Rodney Huffman, UMED

None

None

Inspection Date: 4/16/2009

County: Mendocino

Inspection Area: Ukiah

Infractions

Utility: UMED

Utility: AT&T

Utility: Marks Comcast

Pole No.

Pole or Infraction Location

Vaults or Boxes:

Poles:

Vaults or Boxes:

Poles:

Vaults or Boxes:

Poles:

Project: US Cellular. Install new single phase service and replace existing transformer & add new.

300 Seminary Ave

Rule 34.3 Self-contained Surface-mounted Equipment A. Strength 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. **Need to bolt pad mount transformer to the concrete pad.**

PM 1740 (Replaced)

300 Seminary Ave

Rule 34.3 Self-contained Surface-mounted Equipment A. Strength 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. **Need to bolt pad mount transformer to the concrete pad.**

Splice Box (Existing)

300 Seminary

Work completed satisfactory.

Project: Rite Aid Phase 2. Provide service to new building on State St and up-grade to apartments on Oak St

No.: EA2009-06 Inspection Team PUC: George Carter None Inspection Date: 4/16/2009 County: Mendocino Inspection Area: Ukiah Pole or Infraction Location

Inspection Area: Ukiah		Infractions			
Pole No.	Pole or Infraction Location	Utility: MMED	Utility: AT&T	Utility: Marks Comcast	
		Vaults or Boxes:	Vaults or Boxes:	Vaults or Boxes:	Poles:
1	Mill St	Work completed satisfactory			
2	Mill St	UMED needs to transfer to the new pole.	AT&T needs to transfer conductor and steps to the new pole.	Comcast need to transfer to the new pole.	
PM 1850	Oak St	Rule 34.3 Self-contained Surface-mounted Equipment A. Strength 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. Need to bolt pad mount transformer to the concrete pad.			
Pedestal Box 755(Above Ground Splice Box), 2 Photos	Oak St	Work completed satisfactory.			
	Project: Ukiah Co-Op. Install Primary Riser on Pole and New PM Transformer.				

No.: EA2009-06

Inspection Team PUC: George Carter

Jadwinder Singh

Names & Utility: Jim Lozano, UMED

Rodney Huffman, UMED

None

None

Inspection

Date: 4/16/2009

County:

Mendocino

Inspection

Area: Ukiah

Pole or Infraction Location

PM 1885

721 S State St

Rule 34.3 Self-contained Surface-mounted Equipment A. Strength shall be secured in place and be of sufficient strength to resist entrance or damage to the equipment by unauthorized persons. **Need to bolt pad mount transformer to the concrete pad.**

Infractions

Utility: UMED

Vaults or Boxes:

Poles:

Utility: AT&T

Vaults or Boxes:

Poles:

Utility: Marks Comcast

Vaults or Boxes:

Poles:

Project: Ford St. New pole and two new PM Transformers

130 Ford St

AT&T needs to Remove Old Pole.

Rule 91.3A1; 51.7: Pole steps are required on joint poles with vertical risers or runs and pole steps where attached shall have the minimum height as follows on poles: supporting supply conductors - 7 ft. 6 in. **Need Pole Steps.**

No.: EA2009-06

Inspection Team PUC: George Carter
 Jadwinder Singh
 Names & Utility: Jim Lozano, UMED
 Rodney Huffman, UMED
 None

None

Inspection Date: 4/16/2009

County: Mendocino

Infractions

Inspection Area: Ukiah

Pole or Infraction Location

Utility: UMED

Vaults or Boxes: Poles:

Utility: AT&T

Vaults or Boxes: Poles:

Utility: Marks Comcast

Vaults or Boxes: Poles:

PM 1967

Rule 34.3 Self-contained Surface-mounted Equipment A. Strength 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. **Need to bolt pad mount transformer to the concrete pad.**

PM 1951

Rule 34.3 Self-contained Surface-mounted Equipment A. Strength 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. **Need to bolt pad mount transformer to the concrete pad.**

Project: Chevron Station at Perkins. Install PM Transformers.

No.: EA2009-06

Inspection Team PUC: George Carter
Jadwinder Singh
Names & Utility: Jim Lozano, UMED
Rodney Huffman, UMED

None

None

Inspection Date: 4/16 & 17/2009

County: Mendocino		Infractions			
Inspection Area: Ukiah	Pole or Infraction Location	Utility: UMED	Utility: AT&T	Utility: Marks Comcast	
Pole No.		Vaults or Boxes:	Vaults or Boxes:	Vaults or Boxes:	Poles:
PM1902	Perkins St	Rule 34.3 Self-contained Surface-mounted Equipment A. Strength shall be secured in place and be of sufficient strength to resist entrance or damage to the equipment by unauthorized persons. Need to bolt pad mount transformer to the concrete pad.			
PM363	Perkins St	Rule 34.3 Self-contained Surface-mounted Equipment A. Strength shall be secured in place and be of sufficient strength to resist entrance or damage to the equipment by unauthorized persons. Need to bolt pad mount transformer to the concrete pad.			
	Project: 1248 Airport Park Blvd. Two new circuits from existing PM.				

PM 1857	Airport Par Blvd	Rule 34.3 Self-contained Surface-mounted Equipment A. Strength 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. Need to bolt pad mount transformer to the concrete pad.			
	Airport Park Blvd	Consider the installation of Barrier Pole because of driveway and loading platform.			
	Project: Overhead Pole Replacement				
1	1100 S State St (3 – 6 months)	Rule 12.2 Maintenance – System shall be maintained in such condition as to secure safety to workmen and the public in general. Street Light Disconnect Box Needs Lock. Work completed satisfactory.	AT&T needs to transfer to the new pole.	Comcast needs to transfer to the new pole.	
2	103 N Barnes St (2 weeks)	Work completed satisfactory.	AT&T needs to transfer to the new pole.	Comcast needs to transfer to the new pole.	
3	200 Ruddock St (2008)	Work completed satisfactory.	Rule 31.6: Abandoned lines or portions thereof must be removed. Remove Abandoned in Bush.		
4	601 N School St (2008)	Work completed satisfactory	AT&T needs to transfer to the new pole. AT&T needs to Remove Old Pole.	Comcast needs to transfer to the new pole.	

No.: EA2009-06

Inspection Team PUC: George Carter
Jadwinder Singh
Names & Utility: Jim Lozano, UMED
Rodney Huffman, UMED

None

None

Inspection Date: 4/16/2009

County: Mendocino

Inspection Area: Ukiah

Infractions

Pole No.	Pole or Infraction Location	Utility: UMED	Utility: AT&T	Utility: Marks Comcast
		Vaults or Boxes: Poles:	Vaults or Boxes: Poles:	Vaults or Boxes: Poles:
5	557 N School St (2008)	Work completed satisfactory		
6	493 N State St (2008)	Work completed satisfactory		Comcast needs to transfer to the new pole. Comcast needs to Remove Old Pole and Guy.

C.P.U.C. G.O. 95 INSPECTION FIELD SHEET

File No.: EA2009-06

Inspection Team PUC: George Carter / Jadwinder Singh

Names & Utility: Jim Lozano, UMED
Rodney Huffman, UMED

Inspection

Date: 4/16/2009

County: Mendocino

Inspection Area: Ukiah		Comments	
Pole No.	Pole or Infraction Location	Utility: UMED	Utility: AT&T
1	141 Waugh Ln Tag # B34365, Dtd 9/18/2008	Work Complete Satisfactory, 9/22/2008	Utility: Comcast
2	Plant Rd (Waste Water Treatment Plant) Tag # B35053, Dtd 12/1/2008	Work Completed Satisfactory, 12/01/2008	
3	1081 Maple Ave Tag # 4347, Dtd 12/26/2008	Rule 54.6C2,3: lateral runs of supply circuits must be suitably covered along their length and attached on the bottom of the cross arm. Need to re-attach cover on the bottom of cross arm.	Rule 31.1; 54.6B: Ground wires of supply circuits must be protected by suitable covering and be in good repair throughout their length. Install cover.
		Rule 31.6: Abandoned lines or portions thereof must be removed. Remove abandoned cable.	Rule 31.6: Abandoned lines or portions thereof must be removed. Remove abandoned cable.
		Work Completed Satisfactory, 9/22/2008	Rule 84.6D; 87.7D: Risers and vertical runs shall be covered to 8 ft. above ground and where they pass through unrelated conductor levels shall be covered from ground level to 3 ft. above or 6 ft. below supply. Cover cable to 8 ft.
4	620 Walnut Ave Tag # B34310, Dtd 9/17/2008 Tag # 4420, Dtd 9/17/2008	Work Completed Satisfactory, 9/22/2008	
5	809 W Perkins St Tag # 4414, Dtd 8/21/2008	Rule 56.2; 86.2: Guys shall be maintained taut. Slack Guy tighten or remove.	Rule 31.1; 54.6B: Ground wires of supply circuits must be protected by suitable covering and be in good repair throughout their length. Install cover.

File No.: EA2009-06

Inspection Team PUC: George Carter / Jadwinder Singhh

Names & Utility: Jim Lozano, UMED
Rodney Huffman, UMED

Inspection

Date: 4/16/2009

County: Mendocino

Inspection

Area: Ukiah

Pole No. Pole or Infraction Location

Comments

Utility: Comcast

Utility: AT&T

Utility: UMED

Rule 84.6D: Vertical communication runs shall be supported every 2 ft. **Need clips at 2 ft. intervals, above 8 ft.**

C.P.U.C. G.O. 128 INSPECTION FIELD SHEET

File No.: EA2009-06

Inspection Team PUC: George Carter / Jadwinder Sigh

Names & Utility: Jim Lozano, UMED
Rodney Huffman, UMED

Inspection Date: 4/16/2009
County: Mendocino

Inspection Area: Ukiah		Comments		
PM or SSEE No.	PM / SSEE or Infracion Location	Utility: UMED	Utility: AT&T	Utility: Comcast
SSEE	111 W. Church St Tag # 4153, Dtd 11/13/2008	Low Voltage. Replaced both transformers with transformers #103 and #1264.		
SSEE	111 W. Church St Tag # 4154, Dtd 11/14/2008	Transformer #1264 failed. Installed Temporary PM Transformer #743, New Units on Order, ETA May 2009. 3 Photos		