

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298



May 27, 2009

Mr. Janval "JV" Macor
O.M. & C. Superintendent
Electric Department
Healdsburg, CA 95448

CPUC File No. EA2009-05

SUBJECT: General Order 95, 128, and 165 Audit of Healdsburg Electric Department

Dear Mr. Macor

On behalf of the Utility Safety and Reliability Branch of the California Public Utilities Commission, Jadwinder Singh and I conducted a General Order (GO) 95, 128, and 165 Inspection of Healdsburg Electric Department from April 13 – 15, 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, appearing to read "George E. Carter".

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

Enclosure: Appendix A (15 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. Kevin J. Dasso – PG&E
Ms. Holly Myers-Zebzda – PG&E
Ms. Elizabeth Kirkley – Healdsburg Electric Department

APPENDIX A

1.1 GO 165 Record Review

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

2.1.2. 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 City of Healdsburg Electric Department (HMED) Overhead/Underground Distribution System Inspection Forms, HMED Service Request Forms, and COHED Service Request Form plus discussion with key HMED personnel: Janval “JV” Macor, Superintendent; Craig Schmitt, Foreman; and Jason Hageman, Lineman leads me to the conclusion that HMED does not have a formal inspection program to comply with GO 165 allowable inspection cycle lengths.

HMED needs to 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. ...”

HMED is a member of the Northern California Power Agency (NCPA). HMED’s infrastructure is: 29 miles of overhead; 24 miles of underground; 1 Substation; 56,000 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 COHED Service Request Forms. Vegetation Management is provided by a contractor (Davey Tree Service) in accordance with ANSI A300, Tree Care Standards.

Institute a formal Inspection program which would document the attributes listed in the above paragraph (GO 165 Paragraph IV, 5th sub-paragraph) for the HMED 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 14 & 15, 2009,
see attached GO 95 & GO128 Inspection Field Sheets.

2.1.2. Inspections of Existing Pole Facilities

Field Inspection was conducted on Apr 15, 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 14 & 15, 2009,
see attached GO95 & GO 128 Inspection Field Sheets.

3.1.2. Inspection of Existing Underground Facilities
Field Inspection was conducted on Apr 14 & 15, 2009,
see attached GO 128 Inspection Field Sheets.

4.1 Recommendations

4.1 HMED needs to institute a system to more timely update and distribution of the printed PlatPlans after the completion of construction for various project that have been under taken.

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

No.: EA2009-05

Inspection Team PUC: George Carter

Jadwinder Singh

Names & Utility: Craig Schmitt, HMED

Jason Hageman, HMED

None

Inspection

Date: 4/14/2009

None

None

County: Sonoma		Infractions			
Inspection Area: Healdsburg		Utility: HMED	Utility: AT & T	Utility: Marks Comcast	
Pole No.	Pole or Infraction Location	Vaults or Boxes:	Poles:	Vaults or Boxes:	Poles:
1	Starting at Waste Water Treatment Plant and Traveling North along Magnolia St				
	Project: Pole Replacement Magnolia Lift Station Rebuild				
		Work completed satisfactory.			
		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.			
		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.			
	PM U10	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 caulking between pad mount transformer and concrete pad.			
2		Work completed satisfactory.			
3		Work completed satisfactory. Note: PG&E needs to transfer to the new, pole, 2 photos.			

No.: EA2009-05

Inspection Team PUC: George Carter

Jadwinder Singh

Names & Utility: Craig Schmitt, HMED

Jason Hageman, HMED

None

None

Inspection
Date: 4/14/2009

None

County: Sonoma		Infractions					
Inspection Area: Healdsburg		Utility: HMED	Utility: AT&T	Utility: Marks Comcast			
Pole No.	Pole or Infraction Location	Vaults or Boxes:	Poles:	Vaults or Boxes:	Poles:	Vaults or Boxes:	Poles:
4		Work completed satisfactory.					
5		Work completed satisfactory.					
6		Work completed satisfactory. Note: PG&E needs to transfer to the new pole, 1 photo.					
7		Work completed satisfactory.					
8		Work completed satisfactory.					
9		Work completed satisfactory.					
10		Rule 12.2 Maintenance – System shall be maintained in such condition as to secure safety to workmen and the public in general. Tree contact with Anchor Guy above the Insulator.					
11		Work completed satisfactory.					
12	South Side of Dry Creek	Work completed satisfactory.					

No.: EA2009-05

Inspection Team PUC: George Carter

Jadwinder Singh

Names & Utility: Craig Schmitt, HMED

Jason Hageman, HMED

Inspection
Date: 4/14/2009

None

None

None

County: Sonoma		Utility: HMED		Infractions		Utility: Marks Comcast	
Inspection Area: Healdsburg		Vaults or Boxes:		Utility: AT&T		Vaults or Boxes:	
Pole No.	Pole or Infraction Location	Vaults or Boxes:	Poles:	Vaults or Boxes:	Poles:	Vaults or Boxes:	Poles:
13	North Side of Dry Creek	Work completed satisfactory.					
14		Work completed satisfactory.		<p>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.</p> <p>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. Need riser cover to 8 ft.</p> <p>Rule 34: Unauthorized attachment of equipment foreign to the purposes of overhead electric line construction is not permitted.</p>			

Inspection

Date: 4/14/2009

None

None

County: Sonoma

Infractions

Inspection
Area: Healdsburg

Utility: HMED

Utility: AT&T

Utility: Marks Comcast

Pole No. Pole or Infraction Location

Vaults or Boxes:

Poles:

Vaults or Boxes:

Poles:

Vaults or Boxes:

Poles:

PM M51

Rule 35.3 Warning Signs – Enclosures High voltage signs shall be installed on the interior and exterior surfaces of above ground enclosures containing live parts. **Install needed signs.**
Rule 12.2 Maintenance – System shall be maintained in such condition as to secure safety to workmen and the public in general. **Install cable marking tags on primary and secondary cables.**

15

Work completed satisfactory.

16

Work completed satisfactory.

17

Work completed satisfactory.

18

Work completed satisfactory.

**Project: Conductor Replacement
101 Overhead Crossing**

Inspection

Date: 4/14/2009

None

None

County: Sonoma		Inspection Area: Healdsburg			Inspection Date: 4/14/2009		
Inspection Area: Healdsburg		Utility: HMED			Utility: AT&T		
Pole No.	Pole or Infraction Location	Vaults or Boxes:	Poles:	Vaults or Boxes:	Poles:	Vaults or Boxes:	Poles:
1	Kinley Dr (W)	Work completed satisfactory.					
2	Kinley Dr (W)	Work completed satisfactory.					
3	Kinley Dr (W)	Work completed satisfactory.					
4	Kinley Dr (E)	Work completed satisfactory.					
5	Healdsburg Ave (E)	Work completed satisfactory.					
6	Healdsburg Ave (E)	Work completed satisfactory.					
7	Exchange Ave	Work completed satisfactory.					
8	211 Exchange Ave	Work completed satisfactory.					
9	211 Exchange Ave	Work completed satisfactory.					
10	211 Exchange Ave	Work completed satisfactory.					

AT&T needs to transfer to the new pole.

Rule 31.6: Abandoned lines or portions thereof must be removed. **Service terminated communication conductor hanging in tree.**

Inspection
Date: 4/14/2009

County: Sonoma

Inspection Area: Healdsburg		Infractions		
Pole No.	Pole or Infraction Location	Utility: HMED Vaults or Boxes: Poles:	Utility: AT&T Vaults or Boxes: Poles:	Utility: Marks Comcast Vaults or Boxes: Poles:
11	211 Exchange Ave	Work completed satisfactory.		
12	211 Exchange Ave	Work completed satisfactory.		
13	106 Exchange Ave (SE)	Rule 12.2; 13; 31.1; 31.2: Overhead lines shall be maintained in good repair and in accordance with accepted good practice. Useless Guy Pole needs to be removed.		
Project: Replacement Poles and Transformers				
1	North St	Work completed satisfactory.		
2	East St	Work completed satisfactory.		
3	East St	Work completed satisfactory.		
Project: Grant St (Fire Station) Take Overhead and Put Underground				
	SSEE Splice Box	Work completed satisfactory.		

Inspection
Date: 4/14/2009

None

County:

Sonoma

Infractions

Inspection Area: Healdsburg		Utility: HMED	Utility: AT&T	Utility: Marks Comcast
Pole No.	Pole or Infraction Location	Vaults or Boxes:	Vaults or Boxes:	Vaults or Boxes:
		Poles:	Poles:	Poles:
	SSEE B7-C19 Splice Box	Work completed satisfactory.		
	PM Switches 284, 285, 286, 287	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 G14 Transformer	Rule 12.2 Maintenance – System shall be maintained in such condition as to secure safety to workmen and the public in general. Install cable marking tags on primary and secondary cables.		
	Project: Grant St Village New Subdivision			
	PM TH203 Transformer	Work completed satisfactory.		
	SSEE Splice Box (Street Light & 2 Houses)	Work completed satisfactory.		

No.: EA2009-05

Inspection Team PUC: George Carter
Jadwinder Singh

Names & Utility: Craig Schmitt, HMED
Jason Hageman, HMED

None

Inspection

Date: 4/14 & 15/ 2009

None

None

County: Sonoma		Infractions					
Inspection Area: Healdsburg		Utility: HMED	Utility: AT&T	Utility: Marks Comcast			
Pole No.	Pole or Infraction Location	Vaults or Boxes:	Poles:	Vaults or Boxes:	Poles:	Vaults or Boxes:	Poles:
	SSEE B7-47 Splice Box	Work completed satisfactory.					
	PM TH201 Transformer	Work completed satisfactory.					
1	Project: Tree/Vegetation Mitigation (Incidental work new lower x-arm, new circuit to loop to mountain, and SW-76 added. Sunset Dr, 4 Photos	Work completed satisfactory.					
	Project: Sunnyvale Dr OH (Partly Completed)						
1	1436 Sunnyvale Dr	Work completed satisfactory.	AT&T needs to transfer to the new pole.	Comcast needs to transfer to the new pole.			

No.: EA2009-05

Inspection Team PUC: George Carter
Jadwinder Singh

Inspection
Date: 4/15/2009

None

Names & Utility: Craig Schmitt, HMED
Jason Hageman, HMED

None

None

County: Sonoma		Infractions		
Inspection Area: Healdsburg		Utility: HMED	Utility: AT&T	Utility: Marks Comcast
Pole No.	Pole or Infraction Location	Vaults or Boxes:	Poles:	Vaults or Boxes:
2	1438 Sunnyvale Dr	Table 2, Case 19: Minimum radial separation. Guys passing conductors supported on the same pole. 3 in. Relocate Guy anchor point.	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. Remove 1st step.	
	Project: Ridge Line Subdivision, Sierra Ct			
	PM 1214, Transformer	Work completed satisfactory.		
	SSEE, Adjacent Splice Box	Work completed satisfactory.		
	SSEE, Splice Box Secondary	Work completed satisfactory.		
	Project: Relocation of Service 270 Clear Ridge Rd			
	SSEE C3-35, Splice Box	Work completed satisfactory.		

Inspection

Date: 4/15/2009

None

None

County: Sonoma		Infractions			
Inspection Area: Healdsburg		Utility: HMED	Utility: AT&T	Utility: Marks Comcast	
Pole No.	Pole or Infraction Location	Vaults or Boxes:	Poles:	Vaults or Boxes:	Poles:
	PM 135, Transformer	Work completed satisfactory.			
	Project: Parkland Farms Subdivision				
	PM H133, Transformer	Work completed satisfactory.			
	SSEE, Adjacent Splice Box	Work completed satisfactory.			
	SSEE, C2-01	Work completed satisfactory.			
	PM H141, Transformer	Rule 12.2 Maintenance – System shall be maintained in such condition as to secure safety to workmen and the public in general. Install cable marking tags on secondary cables.			
	PM H140	Work completed satisfactory.			

No.: EA2009-05

Inspection Team PUC: George Carter

Jadwinder Singh

Names & Utility: Craig Schmitt, HMED

Jason Hageman, HMED

None

Inspection

Date: 4/15/2009

None

None

County: Sonoma		Infractions					
Inspection Area: Healdsburg		Utility: HMED	Utility: AT&T	Utility: Marks Comcast			
Pole No.	Pole or Infracation Location	Vaults or Boxes:	Poles:	Vaults or Boxes:	Poles:	Vaults or Boxes:	Poles:
	Project: Reddy Subdivision						
	PM F180. Transformer	Work completed satisfactory.					

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

File No.: EA2009-05

Inspection Team PUC: George Carter / Jadvindar Singh

Names & Utility: Craig Schmitt, HMED

Jason Hageman, HMED

Inspection

Date: 4/15/2009

County: Sonoma

Comments

Inspection Area: Healdsburg	Utility: HMED	Utility: AT&T	Utility: Comcast
Pole No.	Pole or Infraction Location		
1	629 Prince St	Rule 12.2; 13; 31.1; 31.2: Overhead lines shall be maintained in good repair and in accordance with accepted good practice. Need reflective strips on the pole.	
2	625 Prince St	Rule 12.2; 13; 31.1; 31.2: Overhead lines shall be maintained in good repair and in accordance with accepted good practice. Need reflective strips on the pole.	
3	609 Prince St	Work completed satisfactory.	
4	Prince St & Grant St	Work completed satisfactory.	

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

Inspection Team PUC: George Carter / Jadwinder Singh

Names & Utility: Craig Schmitt, HMED
Jason Hageman, HMED

Inspection
Date: 4/14 & 15, 2009

County: Sonoma

Comments

Inspection Area: Healdsburg PM / SSEE or Infraction Location PM or SSEE No.	Utility: HMED	Utility: AT&T	Utility: Comcast
PM T-4, Tag Dtd 4/30/07 Detailed, 3 years 1041 Vine 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		
PM F-23, Tag Dtd 4/06/09 Visual, 6 mos. 424 Poppy Hill	Rule 12.2 Maintenance – System shall be maintained in such condition as to secure safety to workmen and the public in general. Bad rusty transformer case, soil against case. Replace transformer.		
PM J5, Tag Dtd 10/18/06 Visual, 3 years 904 Healdsburg Ave	Rule 12.2 Maintenance – System shall be maintained in such condition as to secure safety to workmen and the public in general. Transformer sliding off concrete pad because of tree roots under concrete.		
PM E137, Tag Dtd 4/17/08 Detailed, 1 year 122 Village Oaks Ct	Rule 12.2 Maintenance – System shall be maintained in such condition as to secure safety to workmen and the public in general. Oil leaking out of Bayonet Fuse fitting.		