

ORIGINAL



0000095433

P.O. Box 711  
Tucson, Arizona 85702-0711



April 15, 2009

Docket Control  
Arizona Corporation Commission  
1200 West Washington  
Phoenix, AZ 85007

RE: Docket No. RE-00000C-00-0275  
2008 Annual Meter Testing Report A.A.C. R14-2-209

Please find attached the 2008 Statistical Meter Maintenance and Testing Program Report for UNS Electric, Inc. All meter groups fall within the criteria for acceptability according to the Arizona Corporation Commission. Also enclosed is an additional copy that the Company requests you date-stamp and return in the self-addressed, stamped envelope for our files.

If you have any questions, please contact me at (520) 884-3680.

Sincerely,

Jessica Bryne  
Regulatory Services

Arizona Corporation Commission  
**DOCKETED**

APR 15 2009

DOCKETED BY

Cc: Compliance, ACC  
Shannon Kanlan, ACC

RECEIVED  
2009 APR 15 P 2:07  
AZ CORP COMMISSION  
DOCKET CONTROL

# UniSource Energy Services

Mohave Electric Division

## New Meter Testing

All new Metering devices received in 2007 were 100% tested by the Manufacture and documented to be within acceptable performance requirements.

## In-Service Testing

Utilizing the "Variable-Interval plan" as outlined in **American National Standard for Electric Metering** (ANSI C12.1 1995) Section 5.1.4.3.2 in conjunction with section 5.1.5.1 "Determination of Average Percentage Registration - Method 1" the following quantities of meters were tested in 2008.

Two homogeneous groups of meter have been selected for performance testing as defined:

Group 1 - Single phase, sampling by year purchased and lot size.

Group 2 - Three phase, sampling by year purchased and lot size.

### Summary of Meters Tested by Year and Lot

Group Number	Number of Meters Tested	Number of Meters in Service
1	5782	63,200
2	66	7113
<b>Total</b>	<b>5848</b>	<b>70313</b>

### Summary of Meters Tested for Possible or Proven Tampering

Number of meters tested for possible tampering:	Single-phase	13
	Three-phase	0
Number of meters tested and proven to be tampered:	Single-phase	5
	Three-phase	0

### Summary of Meters Tested Outside the Acceptable Error

Number of meters tested 3% or faster for acceptable error:	Single-phase	0
	Three-phase	0
Number of meters tested 3% or slower for acceptable error:	Single-phase	78
	Three-phase	0

### Summary of Meters Tested at Customers Request

Meters tested at customer request:	Single-phase	2
	Three-phase	0

# UniSource Energy Services

Santa Cruz Electric Division

## New Meter Testing

All new Metering devices received in 2007 were 100% tested by the Manufacture and documented to be within acceptable performance requirements.

## In-Service Testing

Utilizing the "Variable-Interval plan" as outlined in **American National Standard for Electric Metering** (ANSI C12.1 1995) Section 5.1.4.3.2 in conjunction with section 5.1.5.1 "Determination of Average Percentage Registration - Method 1" the following quantities of meters were tested in 2008.

Two homogeneous groups of meter have been selected for performance testing as defined:

Group 1 - Single phase, sampling by year purchased and lot size.

Group 2 - Three phase, sampling by year purchased and lot size.

### Summary of Meters Tested by Year and Lot

Group Number	Number of Meters Tested	Number of Meters in Service
1	1420	18,671
2	89	2895
<b>Total</b>	<b>1509</b>	<b>21566</b>

### Summary of Meters Tested for Possible or Proven Tampering

Number of meters tested for possible tampering:	Single-phase	13
	Three-phase	0
Number of meters tested and proven to be tampered:	Single-phase	7
	Three-phase	0

### Summary of Meters Tested Outside the Acceptable Error

Number of meters tested 3% or faster for acceptable error:	Single-phase	2
	Three-phase	0
Number of meters tested 3% or slower for acceptable error:	Single-phase	501
	Three-phase	2

### Summary of Meters Tested at Customers Request

Meters tested at customer request:	Single-phase	8
	Three-phase	0