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**UNS Electric, Inc.**

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April 11, 2017

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

RECEIVED  
AZ CORP COMMISSION  
DOCKET CONTROL  
2017 APR 12 P 12:13

Re: Notice of Filing - UNS Electric, Inc.'s Annual Meter Maintenance and Testing Report  
Docket No. E-00000D-17-0024

Pursuant to A.A.C. R14-2-309.E.2, "Each utility shall file an annual report with the Commission, through Docket Control, summarizing the results of the meter maintenance and testing program for that year." The report is required to include a) the total number of meters tested, at a company initiative or upon customer request, and b) number of meters tested which were outside the acceptable error allowance +/- 3%. Please find enclosed UNS Electric, Inc.'s Annual Meter Maintenance and Testing Report for 2016. All meter groups fall within the criteria for acceptability according to the Commission.

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

Sincerely,

Melissa Morales  
Regulatory Services

Arizona Corporation Commission

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cc: Compliance Section, ACC

# UNS Electric, Inc.

## Mohave Electric Division

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### New Meter Testing

All new Metering devices received in 2015 were 100% tested by the Manufacturer 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 2008) 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 2014.

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	1865	72,855
2	483	5,460
<b>Total</b>	<b>2348</b>	<b>78,315</b>

### Summary of Meters Tested Outside the Acceptable Error

Number of meters tested 3% or faster for acceptable error:	Single-phase	4
	Three-phase	2
Number of meters tested 3% or slower for acceptable error:	Single-phase	22
	Three-phase	2
Number of meters with mechanical defect:	Single-phase	9
	Three-phase	4

### Summary of Meters Tested at Customers Request

Meters tested at customer request:	Single-phase	13
	Three-phase	0

# UNS Electric, Inc.

Nogales Electric Division

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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	1,544	17,748
2	78	1,417
<b>Total</b>	<b>1622</b>	<b>19,165</b>

### Summary of Meters Tested Outside the Acceptable Error

Number of meters tested 3% or faster for acceptable error:	Single-phase	9
	Three-phase	0
Number of meters tested 3% or slower for acceptable error:	Single-phase	171
	Three-phase	0
Number of meters with mechanical defect:	Single-phase	48
	Three-phase	2

### Summary of Meters Tested at Customers Request

Meters tested at customer request:	Single-phase	11
	Three-phase	0