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**STATE OF MISSOURI  
PUBLIC SERVICE COMMISSION**

At a session of the Public Service  
Commission held at its office in  
Jefferson City on the 11th day  
of September, 2001.

In the Matter of the Application of Union Electric     )  
Company, d/b/a AmerenUE, for an Order to Approve     )  
a Change to the Single-Phase Meter Testing Standard     )  
Under Which AmerenUE Currently Performs Its     )  
Single-Phase Meter Testing.     )  
**Case No. EO-2001-521**

**ORDER GRANTING VARIANCE**

This order grants Union Electric Company d/b/a AmerenUE a variance of Commission Rule 4 CSR 240-10.030(28), to continue its sampled meter testing program, and granting AmerenUE permission to adopt the ANSI Standards as a basis for its sample meter testing procedure. AmerenUE filed an application for variance with the Missouri Public Service Commission requesting approval to change its statistical-sample-meter-testing standard on March 30, 2001.

In its application for variance, AmerenUE reported that it had previously sought and was given permission to depart from certain requirements of Rule 32 of the Commission's General Order No. 20 (a variance) regarding the testing of electric service watt-hour meters on March 12, 1975. That rule required that every electrical service watt-hour meter in Missouri be periodically tested by the electric corporation furnishing the meter. AmerenUE was authorized to utilize a standardized statistical sampling technique that incorporated the mathematical principles of Statistical Quality Control as set forth in published standards of the United States Military establishments and other governmental agencies

the ANSI Standards as a basis for its natural gas meter testing program on November 12, 1997, in Case No. GO-98-25. AmerenUE indicated that the change from MIL Standards to the ANSI Standards will not have any impact on the procedure used by the company for testing meters upon the receipt of a customer complaint.

On August 29, 2001, the Staff of the Commission filed its response recommending that the Commission grant AmerenUE's request to continue sampled meter testing but to adopt the ANSI Sampling Procedures and Tables for Inspection by Attributes and by Variables<sup>2</sup> for selecting the number of meters to be tested in lieu of the Commission-authorized sampling criteria that AmerenUE is presently using.

Staff stated that sampled testing of meters is utilized to ensure the accuracy of the meters as a whole. Staff noted that AmerenUE recently converted to automatic meter reading, which required the placement of modules in meters and the testing and replacement of many of AmerenUE's existing meters. As a result, Staff indicated that AmerenUE now has a more homogenous group of meters in service across its system, which have recently been tested for accuracy. Staff also confirmed that each customer is allowed to verify the accuracy of their own meter by requesting the meter be tested at no charge, provided that the meter has not been tested within the last 12 months.<sup>3</sup> Staff stated that it has reviewed both the statistical sampling and testing procedures to test the accuracy of the electrical meters that AmerenUE now uses and the new proposed testing procedures. Staff recommended the Commission approve AmerenUE's request to continue sample meter testing and to change its sampling method to the ANSI Standards.

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<sup>2</sup> ANSI/American Society for Quality Control (ASQC) Z1.4 and ANSI/ASCQ Z1.9.

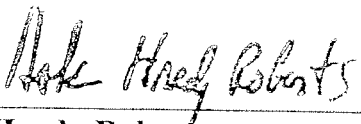
<sup>3</sup> Commission Rule 4 CSR 240-10.030(29).

**STATE OF MISSOURI**

**OFFICE OF THE PUBLIC SERVICE COMMISSION**

I have compared the preceding copy with the original on file in this office and  
I do hereby certify the same to be a true copy therefrom and the whole thereof.

WITNESS my hand and seal of the Public Service Commission, at Jefferson City,  
Missouri, this 11<sup>th</sup> day of Sept. 2001.

  
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Dale Hardy Roberts  
Secretary/Chief Regulatory Law Judge

STATE OF MISSOURI  
PUBLIC SERVICE COMMISSION  
JEFFERSON CITY  
September 11, 2001

CASE NO: EO-2001-521

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Enclosed find certified copy of an ORDER in the above-numbered case(s).

Sincerely,

A handwritten signature in black ink, appearing to read "Dale Hardy Roberts". The signature is written in a cursive, flowing style.

**Dale Hardy Roberts**  
Secretary/Chief Regulatory Law Judge