

*Filed Dec 5-1957  
4:10 PM*

*PSC 113,238  
. 46*

BEFORE THE  
PUBLIC SERVICE COMMISSION OF WISCONSIN

In the Matter of the Revision of                     )  
Service Rules for All Electric                     ) 2-U-911  
Utilities in Wisconsin                             )

TO ALL TO WHOM THESE PRESENTS SHALL COME:

I, Edward T. Kaveny, Secretary of the Public Service Commission of Wisconsin, do hereby certify that I have compared the annexed copy of the decision with the original decision of the Public Service Commission of Wisconsin in the above-entitled matter, now on file in the office of said Commission, and that the same is a true copy of such original decision and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Commission at its office in the City of Madison, this *5th* day of *December*, A.D. 19*57*

*Edward T. Kaveny*

Secretary

PUBLIC SERVICE COMMISSION OF WISCONSIN

BEFORE THE  
PUBLIC SERVICE COMMISSION OF WISCONSIN

In the Matter of the Revision of Service )  
Rules for All Electric Utilities in ) 2-U-911  
Wisconsin )

ORDER AMENDING RULES

On August 16, 1957, the Wisconsin Power and Light Company applied for modification of chapter 113, Wisconsin Administrative Code, as to testing instrument transformers and reporting meter accuracies.

The application was considered as a request for a general revision affecting all electric utilities and not as an application affecting only one company.

Notice of hearing was sent to all electric utilities on September 17, 1957, and was published in the September notice section of the Wisconsin Administrative Code.

Pursuant to such notice a hearing was held October 22, 1957 at Madison before Examiner Samuel Bryan.

Appearances:

Wisconsin Power and Light Company by

William Ryan, attorney  
Madison

Wisconsin Electric Power Company  
Wisconsin-Michigan Power Company by

John F. Zimmerman, attorney  
Milwaukee

Wisconsin Public Service Corporation by

G. J. Sehantz  
Green Bay

Hugo Krubsack  
Marinette

Appearances: (continued)

Of the Commission Staff:

Clarence F. Riederer, engineering department  
R. E. Furueker, engineering department

#### Opinion and Finding of Facts

#### THE COMMISSION FINDS:

Following conferences that were attended by representatives of the applicant and other utilities, recommendations were made on August 16, 1957 to modify and amend PSC 113.23 (3) and PSC 113.46 (4) (e) of the Wisconsin Administrative Code.

The present wording of the third sentence of PSC 113.23 (3) is:

"The summary shall show the number 'as found' tests found within each of the following accuracy classifications: under 95%; 95-97.9%; 98-98.9%; 99-100% 100.1-101%; 101.1-102%; 102.1-105%; over 105%."

It was recommended that the sentence be changed to read:

"These summaries shall show the number of 'as found' tests found within each of the following accuracy classifications: not recording, 94% and under; 94.1% to 96%; 96.1% to 98%; 98.1% to 99.0%; 99.1% to 100.0%; 100.1% to 101.0%; 101.1% to 102.0%; 102.1% to 104.0%; 104.1% to 106.0%; and over 106%."

The suggested change in the accuracy grouping of the meters on the summary, if accepted, will result in having the Wisconsin requirements agree with those of other organizations desiring accuracy data. The change will not cause the Commission any difficulty in using the data.

It was suggested at the hearing that the following be inserted into PSC 113.23 (3).

"The accuracy summary for the calendar year shall be submitted to the Commission by April 1 of the following year."

The present wording of PSC 113.46 (4) (e) is:

"In conjunction with meters whenever the meter is tested or tested separately every 10 years. When tested separately the test data shall be recorded and the meters adjusted to insure the over-all accuracies specified in sections PSC 113.40, PSC 113.41, and PSC 113.42."

It was recommended that the requirement be changed to read:

"(e) 1. In conjunction with meters whenever the meter is tested,

2. Whenever an approved test (such as the variable burden method in the case of current transformers) made in conjunction with each field test of the meter indicates that a separate test should be made, or

3. Tested separately every 10 years. When tested separately, the test data shall be recorded and the meters adjusted to insure the overall accuracies specified in sections PSC 113.40, PSC 113.41, and PSC 113.42."

The change adds another alternative method of insuring the accuracy of current transformers by requiring a complete test whenever there is an indication of inaccuracies. The continued use of the suggested method will make it unnecessary to test the current transformer at the end of 10 years and will also make it unnecessary to interrupt service to check an installation.

At the hearing it was suggested that the beginning of alternative 2 be changed from "whenever an approved test" to "whenever an approved check". The suggestion was also made to place an "or" ahead of 2.

The changes suggested in no way change the test requirements set forth in PSC 113.47 (4) of the Wisconsin Administrative Code.

The Commission is of the opinion that both the application and suggestions made at the hearing are reasonable and PSC 113.23 (3) and 113.46 (4) (e) will be revised. The existing chapter 113 of the Wisconsin Administrative Code was not proposed to be amended in any way other than set forth above and will be continued in effect except as herein modified.

#### Conclusion of Law

#### THE COMMISSION CONCLUDES:

That it has authority under chapter 196, Wisconsin Statutes, and particularly under sections 196.02; 196.15; 196.16; 196.17, and 227.014, Wisconsin Statutes, to amend its rules PSC 113.23 (3) and PSC 113.46 (4) (e), Wisconsin Administrative Code, as set forth in the order herein pursuant to the foregoing opinion and findings of fact.

#### Order

#### THE COMMISSION THEREFORE ORDERS:

1. That section PSC 113.23 (3), Wisconsin Administrative Code, be and hereby is amended to read:

(3) Each utility shall summarize yearly in a combined tabulation all individual meter and over-all light and heavy load "as found" tests at the power factors as required by these rules. This summary shall be divided according to length of meter test period, and separately for single-phase, polyphase, and direct-current meters. The summary shall show the number of "as found" tests found within each of the following accuracy classifications: not recording; 94.0% and under; 94.1% to 96.0%;

96.1% to 98.0%; 98.1% to 99.0%; 99.1% to 100.0%; 100.1% to 101.0%; 101.1% to 102.0%; 102.1% to 104.0%; 104.1% to 106.0%; and over 106.0%. The accuracy summary for the calendar year shall be submitted to the Commission by April 1 of the following year. As found, tests of other units of metering equipment shall be summarized in a manner consistent with the method of testing employed by the utility. A record shall be kept of the number of complaint tests made each year.

2. That section PSC 113.46 (4) (e), Wisconsin Administrative Code, be and hereby is repealed and recreated to read:

(e) 1. In conjunction with meters whenever the meter is tested, or

2. Whenever an approved check (such as the variable burden method in case of current transformers) made in conjunction with each field test of the meter indicates that a separate test should be made, or

3. Tested separately every 10 years. When tested separately, the test data shall be recorded and the meters adjusted to insure the overall accuracies specified in sections PSC 113.40, PSC 113.41, and PSC 113.42.

2. That certified copies of sections PSC 113.23 (3) and PSC 113.46 (4) (e), Wisconsin Administrative Code, as herein amended and adopted, be filed with the Secretary of State and Revisor of Statutes as required by section 227.023, Statutes.

3. That except as herein modified, chapter PSC 113, Wisconsin Administrative Code, shall continue in full force and effect.

4. That this order shall become effective on the 1st day of January 1958, pursuant to section 227.026, Statutes.

Dated at Madison, Wisconsin, this 15th day of November 1957.

By the Commission.

Edward T. Kaveny  
Secretary