

BEFORE THE
PUBLIC SERVICE COMMISSION OF WISCONSIN

Petition of the Municipal Electric Utilities of Wisconsin to Revise
Wis. Admin. Code, PSC 113

1-AC-204

FINAL ORDER ADOPTING RULES

The Public Service Commission of Wisconsin adopts an order to amend ch. PSC 113, relating to the service rules for electrical utilities.

**ANALYSIS PREPARED BY THE
PUBLIC SERVICE COMMISSION OF WISCONSIN**

Statutory authority: ss.196.02(3) and 227.11, Stats.
Statute interpreted: ss. 196.491(5) and 196.58(5), Stats.

Analysis

The proposed amendment to s. PSC 113.0609, Wis. Adm. Code, is to recognize that municipal utilities, and small investor-owned utilities with a customer count of 20,000 or less, focus solely on core electric utility services, are small in size, and have a close relationship with their customers. The intention of the surveys is to ensure that competition in non-core services does not adversely affect the quality and value of core utility services. The implementation of the surveys would be an unnecessary cost burden with less benefit from mandated surveys than would be gained from surveys of customers of larger investor owned utilities with a customer count of greater than 20,000.

The smaller investor-owned utilities that were reviewed for customer size were Consolidated Water Power Company, North Central Power Company, Northwestern Wisconsin Electric Company, Dahlberg Light and Power Company, Westfield Milling & Electric Company, Pioneer Power & Light Company, and Superior Water, Light & Power Company (SWL&P). SWL&P was the largest with 14,292 customers based upon its last annual report filed with the Commission. The smallest IOU other than those is Madison Gas and Electric Company with approximately 100,000 meters. In comparison the largest municipal utility is Manitowoc Public Utilities with approximately 16,000 customers.

The proposed revisions to ss. PSC 113.0402(3)(b) and 113.0403(4)(b), Wis. Adm. Code, are made to modify the timing of notice requirements to be consistent with other sections in the chapter.

The proposed revision to s. PSC 113.0602(8), Wis. Adm. Code, relates to the definition of electric distribution line to apply to circuits operating at less than 50,000 volts. This change will make this section consistent with the Commission's decision of July 14, 2000, in docket 05-EI-119, Investigation into the Classification of Transmission Facilities Pursuant to Wis. Stat. § 196.485(1)(h).

The proposed revision to ss. PSC 113.0607(2)(b)6; 113.0701(1),(2),(4),(6),(7),(8); 113.0912(1)(a); 113.0913(1)(a); and 113.091(1)(a), Wis. Adm. Code are to provide more accurate descriptive language in the various rule sections.

The proposed revision to s. PSC 113.0803(1), Wis. Adm. Code would add the phrase "residential care apartment complex or similar facility" to follow Commission decisions incorporating such facilities as exempted from the separate metering requirement.

The proposed elimination of s. PSC 113.0811(4), Wis. Adm. Code is because prepayment meters are not allowed.

REGULATORY FLEXIBILITY ANALYSIS

In s. PSC 113.0403 (4) (b), Wis. Adm. Code, there is an increase in the written notice required to be provided to the commercial customer prior to disconnection. Section PSC 113.0609 (1), Wis. Adm. Code, would allow municipal utilities to provide customer satisfaction surveys on an as needed basis rather than annually. Section PSC 113.0803 (1) Wis. Adm. Code, would add residential care apartment complexes or similar facilities to the type of unit excluded from requiring a separate electric meter for each dwelling unit. Otherwise the proposed rules will have no effect on small business.

TEXT OF FINAL RULES

SECTION 1. PSC 113.0402 (3) (b) is amended to read:

PSC 113.0402 (3) (b) Upon termination of a guarantee contract, or whenever the utility deems the guarantee insufficient as to amount of surety, a cash deposit or new or additional guarantee may be required upon 20-day written notice to the customer. The service of any customer who fails to comply with these requirements may be disconnected upon ~~8~~10 days' written notice.

SECTION 2. PSC 113.0403 (4) (b) is amended to read:

PSC 113.0403 (4) (b) On termination of a guarantee contract, or whenever the utility deems the amount of surety insufficient, a cash deposit or a new or additional guarantee may be required on 20-day written notice to the customer. The service of a customer who fails to

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comply with these requirements may be disconnected on §10 days written notice, subject to the establishment of an installment payment agreement.

SECTION 3. PSC 113.0602(8) is amended to read:

PSC 113.0602(8) “Electric distribution line” means circuits operating at less than 50,000 volts.

SECTION 4. PSC 113.0607 (2) (a) is amended to read:

PSC 113.0607 (2) (a) *Performance standard.* ~~The Preventative Maintenance Plan~~ preventative maintenance plan shall be designed to ensure high quality, safe and reliable service, considering: cost, geography, weather, applicable codes, national electric industry practices, sound engineering judgment and experience.

SECTION 5. PSC 113.0607 (2) (b)1. a. and b., 2. and 3. are amended to read:

PSC 113.0607 (2) (b) 1. a. ~~The Plan~~ plan under sub. (1) shall include a schedule for the periodic inspection ~~as approved by the commission~~ of all facilities owned and operated by the utility and used to provide electric service to its customers. The ~~Plan~~ plan under sub. (1) shall describe the method for inspection of each type of equipment as designated by the reporting utility. Checklist/report forms shall be included in the ~~Plan~~ plan under sub. (1).

b. The ~~Plan~~ plan under sub. (1) shall include guidelines for inspectors to determine the condition of a facility or piece of equipment.

2. ‘Condition rating criteria.’ A rating criteria shall be established to grade the condition of a facility or piece of equipment. Rating criteria for generating facilities should conform to ~~Generator Availability Data System~~ generator availability data system (GADS) requirements as

reported to the ~~National Electric Reliability Council (NERC)~~ national electric reliability council, or other accepted industry practices.

3. 'Corrective action schedule.' The results of inspections, assessments and condition rating criteria shall be used to define the schedule for implementing maintenance on the facility or piece of equipment. The ~~Plan~~ plan under sub. (1) shall describe how facilities or equipment corrective action schedules are added to the utility's budget.

SECTION 6. PSC 113.0607 (2) (b) 6. is amended to read:

PSC 113.0607 (2) (b) 6. 'Reporting requirements.' Each utility shall provide a periodic report to the commission showing compliance with its ~~Preventative Maintenance Plan~~ preventative maintenance plan. The report shall include a list of inspected circuits and facilities, the condition of the facilities according to established rating criteria, schedules established and success at meeting the established schedules. For generation facilities, the report shall include a summary of each generating unit's operating performance statistics based on the utility's GADS data, or other accepted industry data convention. Reported generating unit performance data shall include net dependable capacity, capacity factor, forced outage rate, scheduled outage ~~rate~~ factor, primary fuel and production technology type. The commission shall establish a periodic report schedule for each utility of at least once every 2 years.

SECTION 7. PSC 113.0609 (1) (intro.) is amended to read:

113.0609 (1), (intro.) Using methods approved by the commission, ~~the utility~~ each municipally owned electric public utility and each investor-owned utility with a customer count of 20,000 or less, as directed by the commission where there is cause to do so, and each investor-owned electric public utility with a customer count greater than 20,000, on an annual basis, shall

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fund ~~annual-regular~~ quantitative assessments, made by an independent entity, of the satisfaction of all customer classes with the services they have received from the utility. The results of these assessments shall be filed with the commission. The utility shall provide to the commission a detailed report of the information from any research it has conducted in the past year to help assess:

SECTION 8. PSC 113.0701 (1) is amended to read:

113.0701 (1) “Flicker” or “voltage flicker,” ~~as described by IEEE Standard 1100-1992,~~ means a variation of input voltage sufficient in duration to allow visual observation of a change in electric light intensity.

SECTION 9. PSC 113.0701 (2) is amended to read:

113.0701(2) “Harmonic distortion,” ~~as defined by IEEE Standard 1100-1992,~~ means a mathematical representation of the distortion of the pure sine waveform. Distortion of the pure sine waveform is typically caused by loads that draw current discontinuously or whose impedance varies during the cycle of the input ac voltage waveform.

SECTION 10. PSC 113.0701 (4) is amended to read:

113.0701 (4) “Power quality,” ~~as defined by IEEE Standard 1100-1992,~~ means the concept of powering and grounding sensitive electronic equipment in a manner that is suitable to the operation of that equipment.

SECTION 11. PSC 113.0701 (6) is amended to read:

113.0701 (6) “Sag,” ~~as defined by IEEE Std 1100-1992,~~ means an rms reduction in the ac voltage at the power frequency, for durations from a half-cycle to a few seconds.

SECTION 12. PSC 113.0701 (7) is amended to read:

113.0701 (7) “Swell,” ~~as defined by IEEE Std. 1100-1992,~~ means an rms increase in the ac voltage, at the power frequency, for durations from a half-cycle to a few seconds.

SECTION 13. PSC 113.0701 (8) is amended to read:

PSC 113.0701 (8) “Transient,” ~~as defined by IEEE Std. 1100-1992,~~ means a subcycle disturbance in the ac waveform that is evidenced by a sharp but brief discontinuity of the wave form. ~~May~~ A transient may be of either polarity and may be additive to or subtractive from the nominal waveform.

NOTE: The definitions used in subsections (1), (2), (4), (7), and (8) are based on the definitions in Authoritative Dictionary of IEEE Standards Terms-7th Ed.

SECTION 14. PSC 113.0803 (1) is amended to read:

PSC 113.0803 (1) Each dwelling in a multi-dwelling unit residential building and mobile home park constructed after March 1, 1980, shall have installed a separate electric meter for each such dwelling unit. Dwelling unit means a structure or that part of a structure which is used or intended to be used as a home, residence or a sleeping place by one or more persons maintaining a common household and shall exclude transient multi-dwelling buildings and mobile home parks: for example, hotels, motels, campgrounds, hospitals, community-based residential facility facilities, residential care apartment complexes or similar facilities, nursing homes, college dormitories, fraternities, and sororities.

SECTION 15. PSC 113.0811 (4) is repealed.

SECTION 16. PSC 113.0912 (1) (intro.) is amended to read:

PSC 113.0912 (1) (intro.) Self-contained polyphase meters together with associated equipment such as demand equipment, control devices, etc., shall be tested on the customer’s

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premises, a central testing facility or in a mobile test facility, except

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and (d), for accuracy at unity and 50% power factor, under the following circumstances:

SECTION 17. PSC 113.0912 (1) (a) is amended to read:

PSC 113.0912 (1) (a) Before being placed in service. For new meters given a prior test by the manufacturer, the manufacturer's certified test results may be substituted for this requirement ~~for all meters tested under the provisions of s. PSC 113.0921.~~

SECTION 18. PSC 113.0913 (1) (intro.) is amended to read:

PSC 113.913 (1) (intro.) Meters used with instrument transformers on single-phase service, together with associated equipment such as demand equipment, control devices, etc., shall be tested on the customer's premises, a central testing facility or in a mobile test facility, except pars. (a) and (d), [\(http://folio.legis.state.wi.us/cgi-bin/om_isapi.dll?clientID=133495&headingswithhits=on&infobase=code.nfo&jump=PSC%2013.0913%281%29%28a%29&softpage=Document - JUMPDEST_PSC 113.0913\(1\)\(a\)\)](http://folio.legis.state.wi.us/cgi-bin/om_isapi.dll?clientID=133495&headingswithhits=on&infobase=code.nfo&jump=PSC%2013.0913%281%29%28a%29&softpage=Document - JUMPDEST_PSC 113.0913(1)(a))

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accuracy at unity power factor, under the following circumstances:

SECTION 19. PSC 113.0913 (1) (a) is amended to read:

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PSC 113.0913 (1) (a) Before being placed in service. For new meters given a prior test by the manufacturer, the manufacturer's results may be substituted for this requirement ~~for all meters tested under the provisions of s. PSC 113.0921.~~

SECTION 20. PSC 113.0914 (1) (intro.) is amended to read:

PSC 113.914 (1) (intro.) Polyphase meters used with instrument transformers, together with associated equipment such as demand equipment, pulsing devices, phase-shifting transformers, control devices, etc., shall be tested on the customer's premises, a central testing facility or in a mobile test facility, except for pars. (a) and (d)[http://folio.legis.state.wi.us/cgi-bin/om_isapi.dll?clientID=133495&headingswithhits=on&infobase=code.nfo&jump=PSC%20113.0914%281%29%28a%29&softpage=Document - JUMPDEST_PSC 113.0914\(1\)\(a\)http://folio.legis.state.wi.us/cgi-bin/om_isapi.dll?clientID=133495&headingswithhits=on&infobase=code.nfo&jump=PSC%20113.0914%281%29%28d%29&softpage=Document - JUMPDEST_PSC 113.0914\(1\)\(d\)](http://folio.legis.state.wi.us/cgi-bin/om_isapi.dll?clientID=133495&headingswithhits=on&infobase=code.nfo&jump=PSC%20113.0914%281%29%28a%29&softpage=Document - JUMPDEST_PSC 113.0914(1)(a)http://folio.legis.state.wi.us/cgi-bin/om_isapi.dll?clientID=133495&headingswithhits=on&infobase=code.nfo&jump=PSC%20113.0914%281%29%28d%29&softpage=Document - JUMPDEST_PSC 113.0914(1)(d)), for accuracy at unity and 50% power factor- under the following circumstances.

SECTION 21. PSC 113.0914 (1) (a) is amended to read:

PSC 113.0914 (1) (a) Before being placed in service. For new meters given a prior test by the manufacturer, the manufacturer's certified test results may be substituted for this requirement ~~for all meters tested under the provisions of s. PSC 113.0921.~~

SECTION 22. Effective date: These rules shall take effect on the first day of the month following publication in the Wisconsin Administrative Register, as provided in s. 227.22(2)(intro), Stats.

(end)

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THE COMMISSION ORDERS:

These rules shall take effect on the first day of the month following publication in the Wisconsin Administrative Register as provided in s. 227.22(2)(intro.), Stats.

Dated at Madison, Wisconsin, _____

By the Commission:

Lynda L. Dorr
Secretary to the Commission

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