



COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA PUBLIC UTILITY COMMISSION  
P.O. BOX 3265, HARRISBURG, PA 17105-3265

IN REPLY PLEASE  
REFER TO OUR FILE  
Q&A# 2003 0128

July 9, 2003

KJR

Re: *Rulemaking Re Amending Electric Service Reliability Regulations at 52 Pa. Code Chapter 57* Docket No. L-00030161, Proposed Rulemaking Order, entered on June 27, 2003

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TO ALL PARTIES:

Enclosed is a corrected Annex A that should replace the one distributed to you earlier with the Proposed Rulemaking Order entered by the Commission on June 27, 2003, *In re: Rulemaking Re Amending Electric Service Reliability Regulations at 52 Pa. Code Chapter 57*, Docket No. L-00030161.

Non-substantive corrections were made on page 2 to the performance benchmark and performance standard definitions and to Section 57.194(h)(2) and (4) to conform with Legislative Reference Bureau formatting requirements. A typographical error was corrected on page 7, Section 57.195(g). Please call Elizabeth Barnes at (717)772-5408 if you have any questions.

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FOLDER

Very truly yours,

James J. McNulty  
Secretary

Enclosure.

cc: Certificate of Service List  
Elizabeth H. Barnes, Assistant Counsel

ANNEX A

**TITLE 52. PUBLIC UTILITIES  
Part I. PUBLIC UTILITY COMMISSION  
Subpart C. FIXED SERVICE UTILITIES  
CHAPTER 57. ELECTRIC SERVICE**

**Subchapter N. ELECTRIC RELIABILITY STANDARDS**

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**§ 57.192. Definitions.**

The following words and terms, when used in this subchapter, have the following meanings, unless the context clearly indicates otherwise:

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*Major event* –

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(i) Either of the following:

(A) An interruption of electric service resulting from conditions beyond the control of the electric distribution company which affects at least 10% of the customers in [an operating area] **the electric distribution company's service territory** during the course of the event for a duration of 5 minutes each or greater. The event begins when notification of the first interruption is received and ends when service to all customers affected by the event is restored. [When one operating area experiences a major event, the major event shall be deemed to extend to all other affected operating areas of that electric distribution company.]

(B) An unscheduled interruption of electric service resulting from an action taken by an electric distribution company to maintain the adequacy and security of the electrical system, including emergency load control, emergency switching and energy conservation procedures, as described in § 57.52 (relating to emergency load control and energy conservation by electric utilities), which affects at least one customer.

(ii) A major event does not include scheduled outages in the normal course of business or an electric distribution company's actions to interrupt customers served under interruptible rate tariffs.

\* \* \* \* \*

[*Operating area* – A geographical area, as defined by an electric distribution company, of its franchise service territory for its transmission and distribution operations.]

**Performance Benchmark – The average historical performance**

**Performance Standard – Minimum performance allowed**

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**§ 57.194. Distribution system reliability.**

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(e) An electric distribution company shall design and maintain procedures to achieve the reliability **performance benchmarks and** performance standards established under subsection (h).

\* \* \* \* \*

(h) An electric distribution company shall take measures necessary to meet the reliability **performance benchmarks and** performance standards adopted under this subsection.

(1) In cooperation with an electric distribution company and other affected parties, the Commission will, from time to time, establish numerical values for each reliability index or other measures of reliability performance that identify the benchmark performance of an electric distribution company, and performance standards.

(2) The benchmark will be based on an electric distribution company's historic performance [for each operating area] for that measure **for the entire service territory.** [In establishing the benchmark, the Commission may consider historic superior or inferior performance or system-wide performance.]

(3) The performance standard shall be the **short term**, minimal level of performance for each measure for all electric distribution companies[, regardless of the benchmark established]. **Performance that does not meet the standard for any reliability measure shall be the threshold for triggering additional scrutiny by the Commission. When performance does not meet the standard, the Commission will contact the electric distribution company regarding possible remedial review and reporting activities.**

(4) An electric distribution company shall inspect, maintain and operate its distribution system, analyze [performance] **reliability results**, and take corrective measures **as** necessary to achieve [the performance standard] **benchmark performance**. [An electric distribution company with a benchmark establishing performance superior to the performance standard shall maintain benchmark performance, except as otherwise directed by the Commission.]

#### **§ 57.195. Reporting requirements.**

(a) An electric distribution company shall submit **an annual reliability report** to the Commission, on or before [May] **March** 31 [,1999, and May 31] of each [succeeding] year [a reliability report which includes, at a minimum, the information prescribed in this section].

(1) An original and [5] **6** copies of the report shall be filed with the Commission's Secretary and one copy shall also be submitted to the Office of Consumer Advocate and the Office of Small Business Advocate.

(2) The name,[and telephone number] **title, telephone number, and e-mail address** of the persons [having] **who have** knowledge of the matters, and [to whom inquiries should be addressed,] **can respond to inquiries**, shall be included.

(b) The **annual reliability report for larger electric distribution companies (those with 100,000 or more customers)** shall include[an assessment of electric service reliability in the electric distribution company's service territory, by operating area and system wide], **at a minimum, the following elements:**

(1) [The] **An overall current assessment of the state of the system reliability in the electric distribution company's service territory** [shall

include] **including** a discussion of the electric distribution company's **current** programs and procedures for providing reliable electric service.

(2) [The assessment shall include a] **A** description of each major event **that occurred during the year being reported on**, including the time and duration of the event, the number of customers affected, the cause of the event and any modified procedures adopted in order to avoid or minimize the impact of similar events in the future.

[(c) The report shall include a] **(3) A** table showing the actual values of each of the reliability indices [, and other performance measures required by this subchapter or Commission order, for each operating area and] **(SAIFI, CAIDI, SAIDI, and if available, MAIFI)** for the electric distribution **company's service territory** [company as a whole] for each of the preceding [5] **3** calendar years. **The report shall include the data used in calculating the indices, namely the average number of customers served, the number of sustained customer minutes interruptions, the number of customers affected, and the minutes of interruption. If MAIFI values are provided, the number of customer momentary interruptions shall also be reported.**

**(4) A breakdown and analysis of outage causes during the year being reported on, including the number and percentage of service outages and customer interruption minutes categorized by outage cause such as equipment failure, animal contact, tree related, and so forth. Proposed solutions to identified service problems shall be reported.**

**(5) A list of remedial efforts taken to date and planned for circuits that have been on the worst performing 5% of circuits list for a year or more.**

**(6) A comparison of established transmission and distribution inspection and maintenance goals/objectives versus actual results achieved during the year being reported on. Explanations of any variances shall be included.**

**(7) A comparison of budgeted versus actual transmission and distribution operation and maintenance expenses for the year being reported on. Explanations of any variances shall be included.**

(8) A comparison of budgeted versus actual transmission and distribution capital expenditures for the year being reported on. Explanations of any variances shall be included.

(9) Quantified transmission and distribution inspection and maintenance goals/objectives for the current calendar year detailed by system area (i.e., transmission, substation, and distribution).

(10) Budgeted transmission and distribution operation and maintenance expenses for the current year in total and detailed by FERC account.

(11) Budgeted transmission and distribution capital expenditures for the current year in total and detailed by FERC account.

(12) Significant changes, if any, to the transmission and distribution inspection and maintenance programs previously submitted to the Commission.

(c) The annual reliability report for smaller electric distribution companies (those with less than 100,000 customers) shall include all items in (b) above except for requirement (5).

(d) An electric distribution company shall submit a quarterly reliability report to the Commission, on or before May 1, August 1, November 1, and February 1.

(1) An original and 6 copies of the report shall be filed with the Commission's Secretary and one copy shall also be submitted to the Office of Consumer Advocate and the Office of Small Business Advocate.

(2) The name, title, telephone number and e-mail address of the persons who have knowledge of the matters, and can respond to inquiries, shall be included.

(e) The quarterly reliability report for larger companies (those with 100,000 or more customers) shall, at a minimum, include the following elements:

(1) A description of each major event that occurred during the preceding quarter, including the time and duration of the event, the number of customers affected, the cause of the event and any modified

procedures adopted in order to avoid or minimize the impact of similar events in the future.

(2) Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) for the electric distribution company's service territory for the preceding quarter. The report shall include the data used in calculating the indices, namely the average number of customers served, the number of sustained customer interruptions, the number of customers affected, and the customer minutes of interruption. If MAIFI values are provided, the report shall also include the number of customer momentary interruptions.

(3) Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) and other pertinent information such as customers served, number of interruptions, customer minutes interrupted, number of lockouts, and so forth, for the worst performing 5% of the circuits in the system. An explanation of how the electric distribution company defines its worst performing circuits shall be included.

(4) Specific remedial efforts taken and planned for the worst performing 5% of the circuits as identified in (3) above.

(5) A breakdown and analysis of outage causes during the preceding quarter, including the number and percentage of service outages and customer interruption minutes categorized by outage cause such as equipment failure, animal contact, tree related, and so forth. Proposed solutions to identified service problems shall be reported.

(6) Quarterly and year-to-date information on progress toward meeting transmission and distribution inspection and maintenance goals/ objectives.

(7) Quarterly and year-to-date information on budgeted versus actual transmission and distribution operation and maintenance expenditures. (For first, second, and third quarter reports only.)

(8) Quarterly and year-to-date information on budgeted versus actual transmission and distribution capital expenditures. (For first, second, and third quarter reports only.)

(9) Dedicated staffing levels for transmission and distribution operation and maintenance at the end of the quarter, in total and by specific category (e.g., linemen, technician, and electrician).

(10) Quarterly and year-to-date information on contractor hours and dollars for transmission and distribution operation and maintenance.

(11) Monthly call-out acceptance rate for transmission and distribution maintenance workers.

(f) The quarterly reliability report for smaller companies (those with less than 100,000 customers) shall, at a minimum, include items (1), (2) and (5) identified in (e) above.

[(d)](g) When an electric distribution company's reliability performance [within an operating area] is found to [be unacceptable,] **not meet the Commission's established performance standard(s)**, as defined in § 57.194(h) (relating to distribution system reliability), the **Commission may require a** report [shall] **to** include the following:

(1) [An analysis of the service interruption patterns and trends.] **The underlying reasons for not meeting the established standard(s).**

[(2) ] An analysis of the service interruption patterns and trends.

(3) A description of the causes of the unacceptable performance.]

[(4)] **(2)** A description of the corrective measures the electric distribution company is taking and target dates for completion.

(h) An electric distribution company shall, within thirty (30) calendar days, report to the Commission any problems it is having with its data gathering system used to track and report reliability performance.

(i) The Commission shall prepare an annual reliability report and make it available to the public.

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