

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Proposed revisions to
Rule 25-6.044, F.A.C.,
Continuity of Service, and Rule
25-6.0455, F.A.C., Annual
Distribution Service Reliability
Report.

DOCKET NO. 011351-EI
ORDER NO. PSC-02-1149-NOR-EI
ISSUED: August 22, 2002

The following Commissioners participated in the disposition of this matter:

LILA A. JABER, Chairman
J. TERRY DEASON
BRAULIO L. BAEZ
MICHAEL A. PALECKI
RUDOLPH "RUDY" BRADLEY

NOTICE OF RULEMAKING

NOTICE is hereby given that the Florida Public Service Commission, pursuant to Section 120.54, Florida Statutes, has initiated rulemaking to amend Rules 25-6.044 and 25-6.0455, Florida Administrative Code, relating to continuity of service and annual distribution service reliability report.

The attached Notice of Rulemaking will appear in the August 30, 2002 edition of the Florida Administrative Weekly.

If timely requested, a hearing will be held at a time and place to be announced in a future notice.

Written requests for hearing and written comments or suggestions on the rules must be received by the Director, Division of the Commission Clerk and Administrative Services, Florida Public Service Commission, 2540 Shumard Oak Blvd., Tallahassee, FL 32399-0862, no later than September 20, 2002.

DOCUMENT NUMBER DATE

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FPSC-COMMISSION CLERK

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By ORDER of the Florida Public Service Commission, this 22nd
day of August, 2002.

BLANCA S. BAYÓ, Director
Division of the Commission Clerk
and Administrative Services

By: Kay Flynn
Kay Flynn, Chief
Bureau of Records and Hearing
Services

(S E A L)

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NOTICE OF PROPOSED RULEMAKING

FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 011351-EI

RULE TITLE: RULE NO.:

Continuity of Service 25-6.044

Annual Distribution Service Reliability Report 25-6.0455

PURPOSE AND EFFECT: To revise electric reliability reporting requirements so that the Commission can better assess the reliability and quality of service provided.

SUMMARY: Revises the rules governing investor-owned electric utility continuity of service and the annual distribution service reliability report.

SUMMARY OF STATEMENT OF ESTIMATED REGULATORY COST: The four largest utilities affected are anticipated to have minimal incremental transactional costs to comply with the rule. An exception from reporting certain information is provided for a small utility to reduce the additional cost imposed by the reporting requirements. Any person who wishes to provide information regarding the statement of estimated regulatory costs, or to provide a proposal for a lower cost regulatory alternative must do so in writing within 21 days of this notice.

SPECIFIC AUTHORITY: 366.05(1), FS.

LAW IMPLEMENTED: 366.03, 366.04(2)(c)&(f), 366.04(5), 366.05(7), FS.

WRITTEN COMMENTS OR SUGGESTIONS ON THE PROPOSED RULE MAY BE SUBMITTED TO THE FPSC, DIVISION OF THE COMMISSION CLERK AND ADMINISTRATIVE SERVICES, WITHIN 21 DAYS OF THE DATE OF THIS NOTICE FOR INCLUSION IN THE RECORD OF THE PROCEEDING.

IF REQUESTED WITHIN 21 DAYS OF THE DATE OF THIS NOTICE, A HEARING WILL BE SCHEDULED AND ANNOUNCED IN THE FAW.

THE PERSON TO BE CONTACTED REGARDING THESE PROPOSED RULES IS: Christiana T. Moore, Florida Public Service Commission, 2540 Shumard Oak Blvd., Tallahassee, Florida 32399-0862, (850) 413-6245.

THE FULL TEXT OF THESE PROPOSED RULES ARE:

25-6.044 Continuity of Service.

(1) Definitions applicable to this part:

(a) "Area of Service." A geographic area where a utility provides retail electric service. An Area of Service can be the entire system, a district, or a region into which a utility divides its system. ~~"Service Interruption". An unplanned interruption of electric service greater than or equal to one minute due to a malfunction on the distribution system or a distribution-related outage caused by events on the utility's side of customer meters which is triggered by load management restoration. The term does not include interruptions due to momentary circuit breaker operations, hurricanes, tornados, ice on lines, planned load management, or electrical disturbances on the generation or transmission system.~~

(b) "Average Duration of Outage Events (L-Bar)." The sum of each Outage Event Duration for all Outage Events occurring during a given time period, divided by the Number of Outage Events over the same time period within a specific Area of Service. ~~"Customer Interruption Duration" (L). The time interval, in minutes, between the time when a utility first becomes aware of a service interruption and the time of restoration of service to a customer affected by that service interruption.~~

(c) "Customer Average Interruption Duration Index (CAIDI)." The average time to restore service to interrupted retail customers within a specified Area of Service over a given period of time. It is determined by dividing the sum of Customer Minutes of Interruption by the total number of Service Interruptions for the respective Area of Service. ~~"System Interruption Time". The total customer minutes of service interruption experienced on a utility's system during a given time period, determined by summing the total minutes of Customer Interruption Duration for all interruptions during that time period. The total minutes of Customer Interruption Duration for an individual interruption is calculated by summing the Customer Interruption Duration for each customer affected by that individual interruption (estimated if actual data is not available).~~

(d) "Customers Experiencing More Than Five Interruptions (CEMI5)." The number of retail customers that sustain more than five Service Interruptions for a specified Area of Service over a

given period of time. "Number of Service Interruptions (N)." The sum of service interruptions for the entire distribution system, or whichever portion of the distribution system which is being reviewed.

(e) "Customer Minutes of Interruption (CMI)." For a given Outage Event, CMI is the sum of each affected retail customer's Service Interruption Duration. "Average length of a Service Interruption (L-Bar)." The time interval, in minutes, between the time when the utility first becomes aware of a service interruption and restoration of service to the last customer affected by that service interruption, summed for all service interruptions occurring during a given time period, and divided by the Number of Service Interruptions in the same time period.

(f) "Momentary Average Interruption Event Frequency Index (MAIFIE)." The average number of Momentary Interruption Events recorded on primary circuits for a specified Area of Service over a given period of time.

(g) "Momentary Interruption." The complete loss of voltage for less than one minute. This does not include short duration phenomena causing waveform distortion.

(h) "Momentary Interruption Event." One or more Momentary Interruptions recorded by the operation of a utility distribution interrupting device within a five minute period. For example, two or three operations of a primary circuit breaker within a five

minute period that did not result in a Service Interruption is one Momentary Interruption Event.

(i) "Number of Customers Served (C)." The sum of all retail customers on the last day of a given time period within a specific Area of Service.

(j) "Number of Outage Events (N)." The sum of Outage Events for an Area of Service over a specified period of time.

(k) "Outage Event." An occurrence that results in one or more individual retail customer Service Interruptions.

(l) "Outage Event Duration (L)." The time interval, in minutes, between the time when a utility first becomes aware of an Outage Event and the time of restoration of service to the last retail customer affected by that Outage Event.

(m) "Service Interruption." The complete loss of voltage of at least one minute to a retail customer.

(n) "Service Interruption Duration." The time interval, in minutes, between the time a utility first becomes aware of a Service Interruption and the time of restoration of service to that retail customer.

(o) "System Average Interruption Duration Index (SAIDI)." The average minutes of Service Interruption Duration per retail customer served within a specified Area of Service over a given period of time. It is determined by dividing the total Customer Minutes of Interruption by the total Number of Customers Served for the respective Area of Service.

(p) "System Average Interruption Frequency Index (SAIFI)."

The average number of Service Interruptions per retail customer within a specified Area of Service over a given period of time. It is determined by dividing the sum of Service Interruptions by the total Number of Customers Served for the respective Area of Service.

(q) Planned Service Interruption." A Service Interruption initiated by the utility to perform necessary scheduled activities, such as maintenance, infrastructure improvements, new construction due to customer growth. Customers are typically notified in advance of these events.

(2) Each utility shall keep a record of its system reliability and continuity of service data, customers' Service Interruption notifications, and other data necessary for the reports filed under these rules. The utility shall record each Outage Event as planned or unplanned and shall identify the point of origination such as generation facility, transmission line, transmission substation equipment, or distribution equipment. The cause of each Outage event shall be determined and recorded in a standardized manner throughout the utility. The date and time of the Outage Event and the number of Service Interruptions for the Outage Event shall also be recorded ~~the cause of each Service Interruption, and shall categorize the cause as one or more of the following: lightning, tree or limb contacting line, animal, line downed by vehicle, dig-in, substation outage, line transformer failure, salt spray on~~

~~insulator, and corrosion, other, or unknown, and shall further identify whether the initiating event occurred on overhead or underground distribution lines.~~

(3) Each utility shall make all reasonable efforts to prevent interruptions of service and when such interruptions occur shall attempt to restore service within the shortest time practicable consistent with safety.

(4) When the service is necessarily interrupted or curtailed ~~for prolonged periods and for the purpose of working on the system,~~ it shall be done at a time which, when at all practicable, will result in cause the least inconvenience to customers and all such scheduled interruptions shall be preceded by reasonable~~adequate~~ notice whenever practicable to affected customers. Each utility shall maintain a current copy of its noticing procedures with the Division of Economic Regulation.

(5) The provisions of this rule shall not apply to a curtailment or an interruption of service to customers receiving service under interruptible rate classifications when the curtailment or interruption of service occurs pursuant to the affected retail customer's service agreement.

25-6.0455 Annual Distribution Service Reliability Report.

(1) Each utility shall file a ~~written~~ Distribution Service Reliability Report with the Director of the Commission's Division of Economic Regulation ~~Electric and Gas~~ on or before March 1st of

each year, ~~for covering~~ the preceding calendar year. The report shall contain the following information:

(a) the utility's total number of Outage Events ~~service interruptions~~(N), categorized by cause for the highest 10 causes of Outage Events ~~as specified in Rule 25-6.044,~~ and the Average Duration of Outage Events ~~average length of service interruptions experienced~~-(L-Bar), and Average Service Restoration Time (CAIDI). The utility shall record these data and analyses on Form PSC/ECR 102-1, entitled "Outage Events" which may be obtained from the Division of Economic Regulation, 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0850, 850/413-6900;:-

(b) identification of the three percent of the utility's Primary Circuits (feeders) with the highest number of feeder breaker interruptions. For each primary circuit so ~~Each feeder shall be identified~~ the utility shall report the primary circuit identification by its number or name, substation origin, and general location, as well as the estimated number of affected customers by in each service class served by the feeder circuit, Number of Outage Events as well as the number of service interruptions (N) , Average Duration of Outage Events and average length of service interruption (L-Bar), Average Service Restoration Time (CAIDI), whether the same circuit is being reported for the second consecutive year, the number of years the primary circuit was reported on the "Three Percent Feeder List" in the past five years, and the corrective action date of completion for the feeder.

The utility shall record these data and analyses on Form PSC/ECR 102-2, entitled "Three Percent Feeder List" which may be obtained from the Division of Economic Regulation, 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0850, 850/413-6900;

(c) the reliability indices SAIDI, CAIDI, SAIFI, MAIFIE, and CEMI5 for its system and for each district or region into which its system may be divided. The utility shall report these data and analyses on Form PSC/ECR 102-3, entitled "System Reliability Indices" which may be obtained from the Division of Economic Regulation, 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0850, 850/413-6900. Any utility furnishing electric service to fewer than 50,000 retail customers shall not be required to report the reliability indices MAIFIE or CEMI5;

(d) the calculations for each of the required indices and measures of distribution reliability;

(2) A utility may exclude from the Annual Distribution Service Reliability Report the Outage Events directly caused by one or more of the following: planned interruptions, a storm named by the National Hurricane Center, a tornado recorded by the National Weather Service, ice on lines, a planned load management event, an electric generation disturbance, an electric transmission system disturbance, or an extreme weather or fire event causing activation of the county emergency operation center.

(3) A utility may submit a request to exclude an Outage Event from the Annual Distribution Service Reliability Report that is not

specifically provided for in Rule 25-6.0455(2). Such a request must be filed with the Commission's Division of the Commission Clerk and Administrative Services within 30 days of the Outage Event for which an exclusion is being requested. The Commission will approve the request if the utility is able to demonstrate that the outage was not within the utility's control, and that the utility could not reasonably have prevented the outage.

NAME OF PERSON ORIGINATING PROPOSED RULES: Jim Breman

NAME OF SUPERVISOR OR PERSONS WHO APPROVED THE PROPOSED RULES:
Florida Public Service Commission.

DATE PROPOSED RULES APPROVED: August 20, 2002

DATE NOTICE OF PROPOSED RULE DEVELOPMENT PUBLISHED IN FAW: Volume
28, Number 5, February 1, 2002

If any person decides to appeal any decision of the Commission with respect to any matter considered at the rulemaking hearing, if held, a record of the hearing is necessary. The appellant must ensure that a verbatim record, including testimony and evidence forming the basis of the appeal is made. The Commission usually makes a verbatim record of rulemaking hearings.

Any person requiring some accommodation at this hearing because of a physical impairment should call the Division of the Commission Clerk and Administrative Services at (850) 413-6770 at least 48 hours prior to the hearing. Any person who is hearing or speech impaired should contact the Florida Public Service Commission by

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using the Florida Relay Service, which can be reached at: 1-800-
955-8771 (TDD).