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# Public Service Commission

July 20, 2006

HAND DELIVER

Mr. Scott Boyd, Executive Director  
Joint Administrative Procedures Committee  
Room 120 Holland Building  
Tallahassee, FL 32399-1300

RE: Docket No. 060243-EI - Rule Nos. 25-6.044 and 25-6.0455

Dear Mr. Boyd:

The Commission has approved the amendments of Rules 25-6.044 and 25-6.0455 without changes.

We plan to file the rule for adoption on July 28, 2006.

Sincerely,

Christiana T. Moore  
Associate General Counsel

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Enclosure

c: Division of the Commission Clerk  
and Administrative Services

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1 **25-6.044 Continuity of Service.**

2 (1) Definitions applicable to this part:

3 (a) "Area of Service." A geographic area where a utility provides retail electric service.

4 An Area of Service can be the entire system, a district, or a subregion of the utility's system in  
5 which centralized distribution service functions are carried out ~~a region into which a utility~~  
6 ~~divides its system.~~

7 (b) "Average Duration of Outage Events (L-Bar)." The sum of each Outage Event  
8 Duration for all Outage Events occurring during a given time period, divided by the Number  
9 of Outage Events over the same time period within a specific Area of Service.

10 (c) "Customer Average Interruption Duration Index (CAIDI)." The average time to  
11 restore service to interrupted retail customers within a specified Area of Service over a given  
12 period of time. It is determined by dividing the sum of Customer Minutes of Interruption by  
13 the total number of Service Interruptions for the respective Area of Service.

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

17 (e) "Customer Minutes of Interruption (CMI)." For a given Outage Event, CMI is the  
18 sum of each affected retail customer's Service Interruption Duration.

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

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

24 (h) "Momentary Interruption Event." One or more Momentary Interruptions recorded  
25 by the operation of a utility distribution interrupting device within a five minute period. For

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from existing law.

1 example, two or three operations of a primary circuit breaker within a five minute period that  
2 did not result in a Service Interruption is one Momentary Interruption Event.

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

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

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

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

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

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

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

21 (p) "System Average Interruption Frequency Index (SAIFI)." The average number of  
22 Service Interruptions per retail customer within a specified Area of Service over a given  
23 period of time. It is determined by dividing the sum of Service Interruptions by the total  
24 Number of Customers Served for the respective Area of Service.

25 q) "Planned Service Interruption." A Service Interruption initiated by the utility to

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1 perform necessary scheduled activities, such as maintenance, infrastructure improvements,  
2 and new construction due to customer growth. ~~Customers are typically notified in advance of~~  
3 ~~these events.~~

4 (2) Each utility shall keep a record of its system reliability and continuity of service  
5 data, customers' Service Interruption notifications, and other data necessary for the annual  
6 reports filed under these rules. These records and data shall be retained for a minimum of ten  
7 years from the filing of each annual report. The utility shall record each Outage Event as  
8 planned or unplanned and shall identify the point of origination such as generation facility,  
9 transmission line, transmission substation equipment, or distribution equipment. The cause of  
10 each Outage Event shall be determined and recorded in a standardized manner throughout the  
11 utility. The date and time of the Outage Event and the number of Service Interruptions for the  
12 Outage Event shall also be recorded.

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

16 (4) When the service is necessarily interrupted or curtailed, it shall be done at a time  
17 which, when at all practicable, will result in the least inconvenience to customers and all such  
18 scheduled interruptions shall be preceded by reasonable notice whenever practicable to  
19 affected customers. Each utility shall maintain a current copy of its noticing procedures with  
20 the Division of Economic Regulation.

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

25 Specific Authority 366.05(1) FS.

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from existing law.

1 Law Implemented 366.03, 366.04(2)(c), (5), 366.05 FS.

2 History—New 7-29-69, Formerly 25-6.44, Amended 2-25-93, 11-7-02.

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7 **25-6.0455 Annual Distribution Service Reliability Report.**

8 (1) Each utility shall file a Distribution Service Reliability Report with the Director of  
9 the Commission's Division of Economic Regulation on or before March 1st of each year, for  
10 the preceding calendar year. ~~The report shall contain the following information:~~

11 ~~(a) The utility's total number of Outage Events (N), categorized by cause for the~~  
12 ~~highest 10 causes of Outage Events, the Average Duration of Outage Events (L-Bar), and~~  
13 ~~Average Service Restoration Time (CAIDI). The utility shall record these data and analyses~~  
14 ~~on Form PSC/ECR 102-1, entitled "Outage Events" which may be obtained from the Division~~  
15 ~~of Economic Regulation, 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0850,~~  
16 ~~(850) 413-6900;~~

17 ~~(b) Identification of the three percent of the utility's Primary Circuits (feeders) with the~~  
18 ~~highest number of feeder breaker interruptions. For each primary circuit so identified the~~  
19 ~~utility shall report the primary circuit identification number or name, substation origin, general~~  
20 ~~location, number of affected customers by service class served, Number of Outage Events (N),~~  
21 ~~Average Duration of Outage Events (L-Bar), Average Service Restoration Time (CAIDI),~~  
22 ~~whether the same circuit is being reported for the second consecutive year, the number of~~  
23 ~~years the primary circuit was reported on the "Three Percent Feeder List" in the past five~~  
24 ~~years, and the corrective action date of completion. The utility shall record these data and~~  
25 ~~analyses on Form PSC/ECR 102-2, entitled "Three Percent Feeder List" which may be~~

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1 obtained from the Division of Economic Regulation, 2540 Shumard Oak Boulevard,  
2 Tallahassee, Florida 32399-0850, (850) 413-6900;

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

10 (d) ~~The calculations for each of the required indices and measures of distribution~~  
11 ~~reliability;~~

12 (2) The Distribution Service Reliability Report will exclude the impact of all service  
13 interruptions associated with generation and transmission disturbances governed by Section  
14 25-6.018(2) and (3), Florida Administrative Code. ~~A utility may exclude from the Annual~~  
15 ~~Distribution Service Reliability Report the Outage Events directly caused by one or more of~~  
16 ~~the following: planned interruptions, a storm named by the National Hurricane Center, a~~  
17 ~~tornado recorded by the National Weather Service, ice on lines, a planned load management~~  
18 ~~event, an electric generation disturbance, an electric transmission system disturbance, or an~~  
19 ~~extreme weather or fire event causing activation of the county emergency operation center.~~

20 (3) The report shall contain the following information on an actual and adjusted basis:  
21 ~~A utility may submit a request to exclude an Outage Event from the Annual Distribution~~  
22 ~~Service Reliability Report that is not specifically provided for in subsection 25-6.0455(2),~~  
23 ~~F.A.C. Such a request must be filed with the Commission's Division of the Commission Clerk~~  
24 ~~and Administrative Services within 30 days of the Outage Event for which an exclusion is~~  
25 ~~being requested. The Commission will approve the request if the utility is able to demonstrate~~

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1 ~~that the outage was not within the utility's control, and that the utility could not reasonably~~  
2 ~~have prevented the outage.~~

3 (a) The utility's total number of Outage Events(N), categorized by cause for the  
4 highest ten causes of Outage Events, the Average Duration of Outage Events (L-Bar), and  
5 Average Service Restoration Time (CAIDI). The utility shall record these data and analyses  
6 on Form PSC/ECR 102-1(a) ( /06) and Form PSC/ECR 102-1(b) ( /06), entitled "Causes of  
7 Outage Events – Actual" and "Causes of Outage Events-Adjusted", respectively, which may  
8 be obtained from the Division of Economic Regulation, 2540 Shumard Oak Boulevard,  
9 Tallahassee, Florida 32399-0850, 850/413-6900, and which are incorporated herein by  
10 reference;

11 (b) Identification of the three percent of the utility's Primary Circuits (feeders) with the  
12 highest number of feeder breaker interruptions. For each primary circuit so identified the  
13 utility shall report the primary circuit identification number or name, substation origin, general  
14 location, number of affected customers by service class served, Number of Outage Events (N),  
15 Average Duration of Outage Events (L-Bar), Average Service Restoration Time (CAIDI),  
16 whether the same circuit is being reported for the second consecutive year, the number of  
17 years the primary circuit was reported on the "Three Percent Feeder List" in the past five  
18 years, and the corrective action date of completion. The utility shall record these data and  
19 analyses on Form PSC/ECR 102-2(a) ( /06) and Form PSC/ECR 102-2(b) ( /06), entitled  
20 "Three Percent Feeder List - Actual" and "Three Percent Feeder List – Adjusted",  
21 respectively, which may be obtained from the Division of Economic Regulation, 2540  
22 Shumard Oak Boulevard, Tallahassee, Florida 32399-0850, 850/413-6900, and which are  
23 incorporated herein by reference;

24 (c) The reliability indices SAIDI, CAIDI, SAIFI, MAIFIe, and CEMIS for its system  
25 and for each district or region into which its system may be divided. The utility shall report

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1 these data and analyses on Form PSC/ECR 102-3(a) ( /06) and Form PSC/ECR 102-3(b)  
2 ( /06), entitled "System Reliability Indices - Actual" and "System Reliability Indices -  
3 Adjusted", respectively, which may be obtained from the Division of Economic Regulation,  
4 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0850, 850/413-6900, and which  
5 are incorporated herein by reference. Any utility furnishing electric service to fewer than  
6 50,000 retail customers shall not be required to report the reliability indices MAIFIE or  
7 CEMI5; and

8 (d) The calculations for each of the required indices and measures of distribution  
9 reliability.

10 (4) Adjusted distribution reliability data may omit Outage Events directly caused by:

11 (a) Planned Service Interruptions;

12 (b) A storm named by the National Hurricane Center;

13 (c) A tornado recorded by the National Weather Service;

14 (d) Ice on lines;

15 (e) A planned load management event;

16 (f) Any electric generation or transmission event not governed by Section 25-6.018(2)

17 and (3), Florida Administrative Code; or

18 (g) An extreme weather or fire event causing activation of the county emergency  
19 operation center.

20 Specific Authority 366.05(1) FS.

21 Law Implemented 366.03, 366.04(2)(c), (f), (5), 366.05, 366.05(7) FS.

22 History--New 2-25-93, Amended 11-7-02,\_\_\_\_\_.

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