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06 JUL 31 AM 10: 5

CERTIFICATION OF

PUBLIC SERVICE COMMISSION ADMINISTRATIVE RULES

COMMISSION CLERK

FILED WITH THE

DEPARTMENT OF STATE

I do hereby certify:

/X/ (1) That all statutory rulemaking requirements of Chapter 120, F.S., have been complied with; and

/X/ (2) There is no administrative determination under subsection 120.56(2), F.S., pending on any rule covered by this certification; and

/X/ (3) All rules covered by this certification are filed within the prescribed time limitations of paragraph 120.54(3)(e), F.S. They are filed not less than 28 days after the notice required by paragraph 120.54(3)(a), F.S., and;

/X/ (a) Are filed not more than 90 days after the notice; or

// (b) Are filed not more than 90 days after the notice not including days an

CMP \_\_\_\_\_ administrative determination was pending; or

COM \_\_\_\_\_ // (c) Are filed more than 90 days after the notice, but not less than 21 days nor

CTR \_\_\_\_\_ more than 45 days from the date of publication of the notice of change; or

ECR \_\_\_\_\_ GCL \_\_\_\_\_ // (d) Are filed more than 90 days after the notice, but not less than 14 nor more

OPC \_\_\_\_\_ than 45 days after the adjournment of the final public hearing on the rule; or

RCA \_\_\_\_\_ SCR \_\_\_\_\_ // (e) Are filed more than 90 days after the notice, but within 21 days after the

SGA \_\_\_\_\_ date of receipt of all material authorized to be submitted at the hearing; or

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// (f) Are filed more than 90 days after the notice, but within 21 days after the date the transcript was received by this agency; or

// (g) Are filed not more than 90 days after the notice, not including days the adoption of the rule was postponed following notification from the Joint Administrative Procedures Committee that an objection to the rule was being considered; or

// (h) Are filed more than 90 days after the notice, but within 21 days after a good faith written proposal for a lower cost regulatory alternative to a proposed rule is submitted which substantially accomplishes the objectives of the law being implemented; or

// (i) Are filed more than 90 days after the notice, but within 21 days after a regulatory alternative is offered by the small business ombudsman.

Attached are the original and two copies of each rule covered by this certification. The rules are hereby adopted by the undersigned agency by and upon their filing with the Department of State.


Rule Nos.

25-6.044

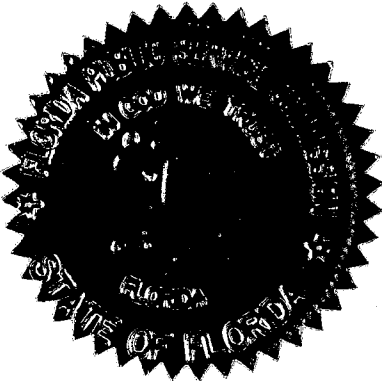
25-6.0455

Under the provision of subparagraph 120.54(3)(e)6., F.S., the rules take effect 20 days from the date filed with the Department of State or a later date as set out below:

Effective: \_\_\_\_\_  
(month) (day) (year)

  
\_\_\_\_\_  
BLANCA S. BAYO, Director  
Division of the Commission Clerk  
and Administrative Services

\_\_\_\_\_  
Number of Pages Certified



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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 CEM15 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 CEMIS; 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, \_\_\_\_\_.

CERTIFICATION OF  
FORMS INCORPORATED BY REFERENCE  
IN RULES FILED WITH THE DEPARTMENT OF STATE

Pursuant to Rule 1S-1.005, Florida Administrative Code, I do hereby certify that the attached are true and correct copies of the following forms incorporated by reference in Rule 25-6.0455. Under the provisions of subparagraph 120.54(3)(e)(6), F.S., the attached forms take effect 20 days from the date filed with the Department of State, or a later date as specified in the rule.

PSC/ECR 102-1(a) (Rev. \_\_\_/06) - Causes of Outage Events - Actual

PSC/ECR 102-1(b) (Rev. \_\_\_/06) - Causes of Outage Events - Adjusted

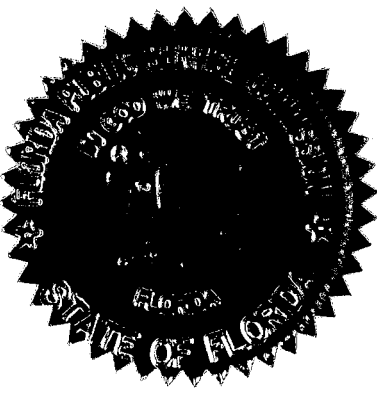
PSC/ECR 102-2(a) (Rev. \_\_\_/06) - Three Percent Feeder List - Actual

PSC/ECR 102-2(b) (Rev. \_\_\_/06) - Three Percent Feeder List - Adjusted

PSC/ECR 102-3(a) (Rev. \_\_\_/06) - System Reliability Indices - Actual

PSC/ECR 102-3(b) (Rev. \_\_\_/06) - System Reliability Indices – Adjusted

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

\_\_\_\_\_  
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**Causes of Outage Events – Actual**

Utility Name \_\_\_\_\_

Year \_\_\_\_\_

Cause (a)	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
All Other Causes			
System Totals			

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**Causes of Outage Events – Adjusted**

Utility Name \_\_\_\_\_

Year \_\_\_\_\_

Cause (a)	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
All Other Causes			
System Totals			

PSC/ECR 102-1(b) ( \_\_\_/06)  
 Incorporated by reference in Rule 25-6.0455,  
 Florida Administrative Code

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**Three Percent Feeder List - Actual**

Utility Name \_\_\_\_\_

Year \_\_\_\_\_

Primary Circuit Id. No. or Name (a)	Sub-station Origin (b)	Location (c)	Number of Customers						Outage Events "N" (i)	Avg Duration "L-Bar" (j)	CAIDI (k)	Listed Last Year? (l)	No. of Years in the Last 5 (m)	Corrective Action Completion Date (n)
			Residential (d)	Commercial (e)	Industrial (f)	Other (g)	Total (h)							

PSC/ECR 102-2(a) (\_\_\_/06)  
 Incorporated by reference in Rule 25-6.0455,  
 Florida Administrative Code

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### Three Percent Feeder List – Adjusted

Utility Name _____												Year		
Primary Circuit Id. No. or Name (a)	Sub-station Origin (b)	Location (c)	Number of Customers					Avg Duration "L-Bar" (l)	CAIDI (k)	Listed Last Year? (l)	No. of Years in the Last 5 (m)	Corrective Action Completion Date (n)		
			Residential (d)	Commercial (e)	Industrial (f)	Other (g)	Total (h)						Outage Events "N" (i)	

PSC/ECR 102-2(b) ( \_\_\_/06)  
 Incorporated by reference in Rule 25-6.0455,  
 Florida Administrative Code

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System Reliability Indices – Actual					
Utility Name _____				Year _____	
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFle (e)	CEMI5 (f)
System Averages					

PSC/ECR 102-3(a) (\_\_\_/06)  
 Incorporated by reference in Rule 25-6.0455,  
 Florida Administrative Code

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System Reliability Indices – Adjusted					
Utility Name _____				Year _____	
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFle (e)	CEMI5 (f)
System Averages					

PSC/ECR 102-3(b) (\_\_\_/06)  
 Incorporated by reference in Rule 25-6.0455,  
 Florida Administrative Code

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 PUBLIC SERVICE REGISTRY

### SUMMARY OF RULE

The rule amendments revise requirements for investor-owned electric utilities to annually report outage data that is used to assess distribution service reliability and changes in quality of service.

### SUMMARY OF HEARINGS ON THE RULE

No hearing was requested and none was held.

### FACTS AND CIRCUMSTANCES JUSTIFYING THE RULE

Rule 25-6.0455 currently allows utilities to exclude from their distribution reliability reports service interruptions that are caused by certain outage events, typically those that are viewed as potentially outside the utility's ability to prevent. The rule lists these excludable events, such as storms named by the National Hurricane Center. The rule also requires the Commission to issue orders concerning certain adjustments not explicitly provided for in the rule. When this provision permitting a utility to petition the Commission to exclude an outage event that is not listed in the rule was established in 2002, it was represented that few such petitions would be filed and that using the statutory rule waiver process to adjust the reports requires a showing that would be too difficult to make. Between November 7, 2002, and May 18, 2005, the investor-owned electric utilities filed 11 petitions, including 3 rule waivers, for 14 Outage Events seeking adjustments to the Annual Distribution Reliability Report. In addition, the amount of 2004 hurricane outage data that has been excluded has been so great that it represents up to 98 percent of outage data. Reports excluding hurricane outage data offer little information about the level of reliability experienced by utility customers.

Other revisions to the rules are intended to clarify and improve the reporting requirements for investor-owned electric utilities' service interruptions. In addition, a requirement is added that each utility keep the records and data supporting its annual report for a minimum of 10 years from the filing of each annual report to ensure that the records of the previous inspection will be available.

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