

State of Florida



Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD
TALLAHASSEE, FLORIDA 32399-0850

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FEB - 3 PM 1:31
COMMISSION
CLERK

DATE: 2/6/03

TO: DIRECTOR, DIVISION OF THE COMMISSION CLERK &
ADMINISTRATIVE SERVICES (BAYO)

FROM: OFFICE OF THE GENERAL COUNSEL (MOORE) *TM 2/7 K JG*
DIVISION OF ECONOMIC REGULATION (SICKEL, BALLINGER,
HEWITT) *BA CA JH*

RE: DOCKET NO. 030045-EU - PROPOSED AMENDMENTS TO RULE 25-
6.0183, F.A.C., ELECTRIC UTILITY PROCEDURES FOR GENERATING
CAPACITY SHORTAGE EMERGENCIES.

AGENDA: 2/18/03 - REGULAR AGENDA - RULE PROPOSAL - INTERESTED
PERSONS MAY PARTICIPATE

RULE STATUS: PROPOSAL MAY BE DEFERRED

SPECIAL INSTRUCTIONS: NONE

FILE NAME AND LOCATION: S:\PSC\GCL\WP\030045.RCM

CASE BACKGROUND

Rule 25-6.0183, Florida Administrative Code, entitled "Electric Utility Procedures for Generating Capacity Shortage Emergencies," prescribes the Commission's plan for addressing generating capacity shortage emergencies. The current rule adopts the July 1997 version of the plan. The purpose of the recommended change to the rule is to adopt the recently revised plan. A notice of rule development was published in the October 11, 2002, edition of the Florida Administrative Weekly. No workshop was requested.

DOCUMENT NUMBER-DATE

01065 FEB-3 8

FPSC-COMMISSION CLERK

ISSUE 1: Should the Commission propose the attached amendments to Rule 25-6.0183, F.A.C., Electric Utility Procedures for Generating Capacity Shortage Emergencies?

RECOMMENDATION: Yes.

STAFF ANALYSIS: The Grid Bill provisions of Chapter 366, Florida Statutes, give the Commission jurisdiction over a coordinated electric grid. Section 366.04(2)(c), Florida Statutes, provides the Commission with the power "[t]o require electric power conservation and reliability within a coordinated grid, for operational as well as emergency purposes." In addition, Section 366.04(5), Florida Statutes, states:

The commission shall further have jurisdiction over the planning, development, and maintenance of a coordinated electric power grid throughout Florida to assure an adequate and reliable source of energy for operational and emergency purposes in Florida and the avoidance of further uneconomic duplication of generation, transmission, and distribution facilities.

The Commission prescribes its emergency plan in Rule 25-6.0183 by adopting the Florida Reliability Coordinating Council's (FRCC) Florida Electrical Emergency Contingency Plan, Generating Capacity Shortage Element dated July 1997. A sub-region of the North American Electric Reliability Council (NERC), FRCC's main function is to coordinate the reliability of peninsular Florida's electric utilities. The FRCC revised the plan in August of 2002. No major substantive changes were made.

The FRCC has changed the name of the plan to the Generating Capacity Shortage Plan and added detail to several aspects of the plan to provide clarity. In addition, disruption of a gas pipeline serving the FRCC region has been added as a condition that will trigger an advisory or alert. A type and strike version of the revised plan is attached. Staff recommends that the Commission adopt this plan as its plan to address generating capacity shortages.

DOCKET NO. 030045-EU

DATE: 2/6/03

Statement of Estimated Regulatory Cost

The Florida Administrative Procedure Act encourages an agency to prepare a Statement of Estimated Regulatory Costs (SERC). A SERC was not prepared for the proposed rule, however, because there should be no additional costs other than the costs to promulgate a rule and no significant negative impacts on utilities, small businesses, small cities, or small counties.

ISSUE 2: If no requests for hearing or comments are filed, should the proposed rule amendments be filed for adoption with the Secretary of State and the docket be closed?

RECOMMENDATION: Yes.

STAFF ANALYSIS: Unless comments or requests for hearing are filed, the rule as proposed may be filed with the Secretary of State without further Commission action. The docket may then be closed.

Attachments:

Rule 25-6.0183

Revised Generating Capacity Shortage Plan

Memorandum regarding Statement of Estimated Regulatory Costs

1 DOCKET NO. 030045-EU
2 DATE: 2/6/03

3 **25-6.0183 Electric Utility Procedures for Generating Capacity**
4 **Shortage Emergencies.**

5 The Commission adopts the Florida Reliability Coordinating
6 Council's ~~Florida Electrical Emergency Contingency Plan~~, Generating
7 Capacity Shortage Plan Element, dated August 2002 ~~July 1997~~ as the
8 Commission's plan to address generating capacity shortage
9 emergencies within Florida. A copy of the Generating Capacity
10 Shortage Plan Element may be obtained from the Director, Division
11 of Economic Regulation Safety & Electric Reliability, Florida
12 Public Service Commission.

13 Specific Authority: 350.127(2), 366.05, Florida Statutes

14 Law Implemented: 366.04(2)(c), (2)(f) & (5), Florida Statutes

15 History: New 2/12/91, amended 3/19/98,_____.

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CODING: Words underlined are additions; words in ~~struck~~
~~through~~ type are deletions from existing law.

MEMORANDUM

December 4, 2002

TO: DIVISION OF APPEALS (MOORE)

FROM: DIVISION OF ECONOMIC REGULATION (HEWITT) *BA* *15* *195*

SUBJECT: STATEMENT OF ESTIMATED REGULATORY COSTS FOR PROPOSED AMENDMENTS TO RULE 25-6.0183, F.A.C., ELECTRIC UTILITY PROCEDURES FOR GENERATING CAPACITY SHORTAGE EMERGENCIES

Rule 25-6.0183, F.A.C., Electric Utility Procedures for Generating Capacity Shortage Emergencies, adopts the Florida Reliability Coordinating Council's (FRCC) "Florida Electrical Emergency Contingency Plan, Generating Capacity Shortage Element." The FRCC's emergency plan for capacity shortages was developed to facilitate coordinated actions among electric utilities and governmental agencies and documents guidelines and summarizes procedures to be used.

The proposed amendments would adopt the latest version of the FRCC's Plan amended August, 2002 and update the Commission's organizational titles incorporated in the rule.

The Florida Administrative Procedures Act encourages an agency to prepare a Statement of Estimated Regulatory Costs (SERC). However, because the FRCC Plan is already binding on the FRCC members, there should be no additional costs other than the costs to promulgate a rule amendment and no significant negative impacts on utilities, small businesses, small cities, or small counties. Therefore, a SERC will not be prepared for the proposed rule amendments.

cc: Mary Andrews Bane
Jeanette Sickel
Hurd Reeves
GENCAPEMERG.cbh

FRCC
GENERATING CAPACITY
SHORTAGE PLAN



FLORIDA RELIABILITY COORDINATING COUNCIL

1408 N. Westshore Blvd., Suite 1002

Tampa, Florida 33607-4512

Phone (813) 289-5644

October 1, 1990 FPSC Approved

July 1997 FPSC Approved

August 2002 FRCC Amended

**FLORIDA ELECTRICAL EMERGENCY
CONTINGENCY PLAN**

GENERATING CAPACITY SHORTAGE ELEMENT

July 1997

1 **FLORIDA ELECTRICAL EMERGENCY**

2 **CONTINGENCY PLAN**

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6 **FRCC GENERATING CAPACITY SHORTAGE ELEMENT PLAN**

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9 **INTRODUCTION**

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11 Electricity is a vital part of Florida's infrastructure. It is critical for the existing and
12 growing residential population, for commerce and industry, and for tourism. Florida's
13 electric utilities coordinate planning and operations to ensure adequacy and reliability of
14 the electric system long-term, and project that it will be adequate through the 1990s.
15 However, during periods of abnormal weather or in the event of multiple unanticipated
16 generating outages, there may be occasional times when capacity is tight or falls below
17 customer demand. The following emergency plan was developed to facilitate
18 coordinated actions among electric utilities and state and local agencies in the event of
19 an anticipated or actual generating capacity shortage so as to protect the health, safety,
20 and welfare of the people of Florida, consistent with good operating practices.

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23 **I. PURPOSE**

1 The purpose of this plan is to document guidelines and summarize procedures to be
2 used by Florida's electric utilities and governing agencies in response to generating
3 capacity shortages which impact or threaten to impact significant numbers of
4 customers. Generating capacity shortages may be caused by unusually hot or cold
5 weather, fuel supply shortages, transmission disruptions or plant outages.

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7 **II. DEFINITION**

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9 A generating capacity shortage exists when any one of the electric utilities in the
10 state of Florida has inadequate generating capability, including purchased power, to
11 supply its firm load obligations.

12

13 **III. OVERVIEW**

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15 ~~A This Generating Capacity Shortage Element Plan is oriented toward energy~~
16 ~~emergencies caused by a generating capacity shortage. It is designed to provide a~~
17 ~~coordinated response to the various communication, environmental, legal, political~~
18 ~~and technical concerns which may arise on a state-wide basis during a generating~~
19 ~~capacity shortage. Power disruptions limited to a local area that are caused by~~
20 ~~factors other than a generating capacity shortage are outside of the scope of this~~
21 ~~plan.~~

22 The ~~Generating Capacity Shortage Element Plan~~ addresses: 1) procedures to be
23 followed by individual utilities during a generating capacity shortage on their systems

1 and 2) procedures to be followed by all utilities to ensure coordinated state-wide
2 action and communication.

3 A. Individual Utility Plans

4 Each utility participating in this plan shall have an energy emergency plan that
5 will enable it to cope with a generating capacity shortage on its system and to
6 mitigate to the fullest extent practical the impact of the emergency on its
7 customers and neighboring utilities. Emergency actions not specifically
8 addressed in the ~~Florida FRCC plan~~ Plan shall be addressed in the individual
9 utility plans. A copy of each individual plan shall be maintained on file at the
10 Florida Public Service Commission (FPSC) and the Florida Reliability
11 Coordinating Council (FRCC) offices.

12 B. State-wide Plan

13 The ~~state-wide component of the p~~ Plan describes the coordinated procedures to
14 be followed by all utilities during a generating capacity shortfall. The declaration
15 of any phase of this Plan is based on data and activities occurring in the FRCC
16 Region. However, any declaration will be made on a state-wide basis since
17 media and communication may cross regional boundaries. The state-wide
18 ~~component~~ Plan consists of four separate phases and procedures for each
19 phase. The four phases are:

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- **GENERATING CAPACITY ADVISORY**

1 A Generating Capacity Advisory can be triggered by state weather
2 projections and is primarily for information purposes. An Advisory will be
3 issued when: (1) temperature projections for up to three days in advance
4 of the current date exceed temperature criteria in a prescribed number of
5 cities; ~~In addition to the temperature triggers, an Advisory will be issued~~
6 ~~when~~ or (2) one or more utilities in an area are issuing or planning to
7 issue public appeals for conservation; or (3) disruption of the gas
8 pipeline(s) serving the FRCC Region may threaten to adversely affect the
9 generation capacity in the FRCC Region. ~~An Advisory normally precedes~~
10 ~~an Alert.~~ An Advisory does not indicate an imminent threat of an Alert or
11 an Emergency, and no action would normally be required by utilities or
12 governmental agencies. An Advisory declared on the basis of forecasted
13 temperatures will not be rescinded even if the temperature forecast
14 changes.

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16 • **GENERATING CAPACITY ALERT**

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18 A Generating Capacity Alert exists when: (1) the state-FRCC operating
19 margin is such that the loss of the largest generating unit will necessitate
20 interruption of firm load in Florida; or (2) disruption of the gas pipeline(s)
21 serving the FRCC Region will adversely affect the generation capacity in
22 the FRCC Region.

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- **GENERATING CAPACITY EMERGENCY**

A Generating Capacity Emergency exists when any one of the electric utilities in the state of Florida FRCC Region has inadequate generating capacity, including purchased power, to supply its firm load obligations. The loss of firm load in a localized area due to a transmission or distribution outage, temporary problem or isolated event may be reported but would not cause the implementation of the plan.

The loss of firm load in a localized area due to automatic underfrequency relay operation would not cause the implementation of the plan unless it is anticipated that the outage will extend over several hours.

The declaration of a Generating Capacity Emergency will specify a time period and date that denotes the emergency period. If an emergency has been declared more than one day in advance based on forecasted data, it will not be rescinded unless the revised data indicates that the operating margin is sufficient to be "out of" an Alert phase as well.

- **SYSTEM LOAD RESTORATION**

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System Load Restoration is complete when firm load reduction has been

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terminated and power supply is adequate.

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IV. COMMUNICATION

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The Generating Capacity Shortage Element Plan includes procedures for responding to

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emergencies with time frames ranging from sudden, unexpected outages to those

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caused by weather systems that can be tracked and provide advance notice. Included

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in each phase are samples of public appeal/conservation messages. It is anticipated

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that these or similar utility-specific message packets will be provided to local media in

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each utility's service area. Messages correspond with actions required by utility

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consumers during each phase.

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All communications with the public, the news media, and local and regional

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governmental agencies shall be the responsibility of the individual participating system

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and shall be coordinated so as to be as non-conflicting as practical. Additionally, utility

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public information departments will share information with each other and the FRCC.

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On an ongoing basis, individual utilities shall build public awareness of events that could

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lead to generating capacity problems through information programs (such as bill

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stuffers, speakers bureaus, in-school education, etc.) In addition, employees shall be

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educated periodically so they can properly and promptly respond to customer inquiries.

1 The messages will change depending on the upcoming season or source of a possible
2 generating capacity shortage.

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4 Even though the Florida Division of Emergency Management and Public Service
5 Commission are state-wide points of contact specified in the plan, the plan does not
6 pre-empt utilities from contacting local emergency agencies or initiating local public
7 information activities. In fact, top-down and bottom-up notification is encouraged to
8 enhance the system and provide an information loop to assure continued dissemination
9 of current information to all involved parties.

10

11 Individual utilities shall also assess information activities necessary to heighten
12 consumer and media awareness of the Generating Capacity Shortage Element Plan, its
13 phases, and actions that can be taken to attempt to minimize a shortage.

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15 **V. RESPONSIBILITIES**

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17 The State Capacity Emergency Coordinator (SCEC) is responsible for identifying and
18 declaring the appropriate phases of this plan on a forecast basis, based upon criteria
19 specified in each phase. The mechanism used by the SCEC to gather and analyze the
20 information is the FRCC Daily Capacity Assessment Report. Upon meeting a phase's
21 criteria, the SCEC shall contact the Chair of the FRCC Operating Committee (OC), the
22 FRCC Emergency Communications Team (ECT) Security Coordinator (SC), and the
23 FRCC Executive Director/President. The SCEC shall also notify (through the FRCC

1 ~~messaging system~~utilizing FRCC communication systems) generating utilities operation
2 personnel of the condition of the state's Region's electric utilities.

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4 ~~Each utility plan shall include procedures for notification of its own emergency and~~
5 ~~public information personnel.~~

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7 The FRCC ~~Executive Director~~President shall contact the Division of Emergency
8 Management (DEM), State Warning Point (SWP), and the Florida Public Service
9 Commission (FPSC). In case the FRCC ~~Executive Director~~President is not reachable,
10 the SCEC shall make the notifications assigned to the FRCC ~~Executive~~
11 ~~Director~~President.

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13 The Florida Division of Emergency Management is responsible for notifying county and
14 private emergency organizations that are part of its system. DEM also decides when
15 and if to use the Emergency Broadcast System (EBS) to disseminate messages to
16 citizens. The suggested EBS messages are included as Appendices A-C.

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18 The Florida Public Service Commission acts as an informational liaison to all interested
19 parties. The individual utilities and FRCC staff shall provide status reports and technical
20 updates to the FPSC staff.

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1 **INDIVIDUAL UTILITY PLANS**

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3 Each utility participating in this plan shall have an energy emergency plan that will
4 enable it to cope with a generating capacity shortage on its system and to mitigate to
5 the fullest extent practical the impact of the emergency on its customers and
6 neighboring utilities. Each utility plan shall include procedures for notification of its own
7 emergency and public information personnel. A copy of each individual plan shall be
8 maintained on file at the Commission and FRCC offices.

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10 Each individual utility's emergency plan or procedures should include (as appropriate for
11 generating and non-generating utilities) the following items (not necessarily in the
12 sequence shown):

- 13
- 14 • Purpose and scope
 - 15 • Supporting plans and procedures
 - 16 • Department and personnel responsibilities
 - 17 • Categories and criteria for activation of emergency plan
 - 18 • Emergency communication centers (phone centers)
 - 19 • Communication networks
 - 20 • How and when messages are initiated
 - 21 • Messages (available at utilities, faxed as necessary)
 - 22 • Seasonal public education messages
 - 23 • Florida Division of Emergency Management notification

- 1 • Florida Public Service Commission notification
- 2 • County emergency management agencies notification
- 3 • Notification of cogenerators and independent power producers
- 4 • Winterization as applicable
- 5 • Scheduling of generation facilities
- 6 • Fuel supply management
- 7 • Procedures to reduce company use of power
- 8 • Load reduction guidelines and identification and prioritization of critical loads
- 9 • Training
- 10 • Plan revision

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13 **GENERATING CAPACITY ADVISORY**

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15 A. Definition

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17 A Generating Capacity Advisory will be triggered by state weather projections
18 as compiled by the SCEC based on utility data provided through the FRCC
19 messaging system. called whenever any of the following conditions exist:

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- 21 1. When temperature projections exceed the prescribed criteria in two cities
22 in Area 1 or three cities in Area 2 as described below in Paragraph B.

1 Once an Advisory is issued, it will not be rescinded, even if the
2 temperature forecast changes.

3 2. When one or more utilities have issued, or are planning to issue, public
4 appeals for conservation.

5 3. When disruption of the gas pipeline(s) serving the FRCC Region may
6 threaten to adversely affect the generation capacity in the FRCC Region.

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8 B. Temperature Projections

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10 In order to accurately reflect real limitations of the transmission system, for
11 calculation purposes, the state FRCC Region is divided into two areas, Area 1
12 and Area 2. For calculating load, resources and reserves, each utility is
13 assigned to the appropriate area. The triggers for the various phases of the
14 plan are developed by area. Once triggered, however, the declaration of the
15 plan phases is on a "statewide" basis and will not be rescinded even if the
16 temperature forecast for that day changes.

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18 On a daily basis, temperature projections for up to three days in advance will
19 be collected and compared to the prescribed criteria temperature of each city.
20 Below is a list of prescribed criteria temperatures for the cities in Areas 1 and
21 2. These temperature criteria are subject to periodic revision by FRCC.

22

LOCATION WINTER SUMMER

AREA 1	Jacksonville	Below 21 F	Above 98 F
	Pensacola Gainesville	Below 21-24 F	Above 95 F
	Tallahassee	Below 20 F	Above 98 F
AREA 2	Miami	Below 40 F	Above 92 F
	Orlando	Below 30 F	Above 95 F
	St. Petersburg	Below 32 F	Above 95 F
	Tampa	Below 31 F	Above 93 F

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~~An advisory will be issued when temperature projections exceed the prescribed criteria in two cities in Area 1 or three cities in Area 2. Once an Advisory is issued, it will not be rescinded, even if the temperature forecast changes.~~

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~~In addition to the temperature triggers, an Advisory will be issued when one or more utilities are issuing or planning to issue public appeals for conservation.~~

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10 C. Gas Pipeline Procedures

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Procedures shall be established with the gas pipeline companies to provide notification of gas pipeline(s) disruptions to the SCEC, the FRCC Security Coordinator and to the FRCC President, on a timely basis.

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2 B-D. State Capacity Emergency Coordinator Responsibility

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After assembling weather data or being notified that public conservation appeals are being issued by one or more Florida FRCC utilities, the SCEC shall notify the FRCC ~~Executive Director~~President, the Chair of the FRCC Operating Committee (OC) and the ~~Chair of the FRCC Emergency Communications Team (ECT)~~FRCC Security Coordinator. The SCEC shall also notify (through the ~~FRCC messaging system~~utilizing FRCC communications systems) generating utilities' operation personnel of the Advisory condition. In case the FRCC ~~Executive Director~~President is not reachable, the SCEC shall make the notifications assigned to the FRCC ~~Executive Director~~President.

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~~The SCEC will notify the FRCC Operations Planning Coordinator (OPC) and the FRCC Security Coordinator (SC) in order that a review of potential reliability problems can be made.~~

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E. FRCC Security Coordinator Responsibility

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1. Review conditions for potential reliability problems.

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2. Notify the Southern Subregion Security Coordinator as appropriate.

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3. Notify NERC as appropriate.

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EG. Utility Responsibility

1. Implement utility public awareness programs if appropriate.
2. Notify utility emergency personnel if appropriate.
3. Notify local emergency agencies if appropriate.

GD. ~~FRCC Executive Director~~President Responsibility

1. After notification from the SCEC, advise the Florida Division of Emergency Management, State Warning Point (SWP), and FRCC member utilities communications personnel of the Advisory condition to include the following information:
 - a. ~~Florida-FRCC~~ generating capacity
 - b. ~~Florida-FRCC~~ expected peak load
 - c. Expected duration of event
 - d. Explanation of utilities' planned actions, and recommendations of agency actions in support of the utilities.
2. If requested by State Warning Point representative, act as single point contact between the SWP and the state's FRCC utilities.

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3. Advise the Florida Public Service Commission of the Advisory status providing the same information as provided to SWP.

~~4. Notify NERC~~

HE. State Agency Actions

1. Florida Division of Emergency Management

- a. Maintain contact with FRCC
- b. Maintain contact with affected counties
- c. Prepare for activation of emergency public information
- d. Notify Florida Energy Office

2. Florida Public Service Commission

Maintain communications with electric utilities and Florida Division of Emergency Management as appropriate.

3. Florida Energy Office

1 Maintain contact with the Florida Division of Emergency Management and
2 other parties as appropriate.

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4 F.I. _____ Public Information

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6 An Advisory ~~normally precedes an Alert, and an Advisory does not~~
7 necessarily indicate an imminent threat of an Alert or an Emergency.
8 Therefore, information offered is preparatory in nature and serves only to
9 forewarn consumers well in advance that conditions exist for the potential of a
10 generating capacity shortage at some point in the future. Advisory
11 information is primarily seasonal in nature and is intended as a reminder of
12 weather effects on utilities and consumers.

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14 1. Notification

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16 In notifying customers and local support agencies, information conveyed
17 generally will not seek specific action responses.

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19 a. Local Emergency Agencies

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21 General information about the ramifications of a generating capacity
22 shortfall due to severe hot, cold, or tropical weather shall be

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disseminated to local support agencies by individual utilities prior to an Alert. The SWP may also use its network to provide information.

b. News Media

Information to broadly address the issue shall be provided to local media directly by individual utilities.

~~e. The FRCC Security Coordinator will notify the Southern Subregion Coordinator of the Advisory.~~

2. Messages

Messages are general in substance and offered as media backgrounders rather than as hard news. Example: "Higher than usual demand for electricity is anticipated in the next few days. Florida's electric utilities are reminding the public that conservation and the wise use of electricity will lessen the possibility of widespread electric power shortages."

1 **GENERATING CAPACITY ALERT**

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3 A. Definition

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5 A Generating Capacity Alert exists ~~when the state operating margin is such~~
6 ~~that the loss of the largest generating unit will necessitate interruption of firm~~
7 ~~load in the state~~ will be called whenever any one of the following conditions
8 exists:-

- 9
- 10 1. The FRCC operating margin is such that the loss of the largest generating
11 unit will necessitate interruption of firm load in the FRCC Region.
 - 12 2. Disruption of the gas pipeline(s) serving the FRCC Region will adversely
13 affect the generation capacity in the FRCC Region.
- 14

15 B. State Capacity Emergency Coordinator Responsibility

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17 Upon the determination that a Generating Capacity Alert condition exists, the
18 SCEC shall contact the FRCC Executive ~~Director~~ President, the Chair of the
19 FRCC Operating Committee (OC) and the ~~Chair of the FRCC Emergency~~
20 ~~Communications Team (EGT)~~ FRCC Security Coordinator (SC). The SCEC
21 shall also notify (through the ~~FRCC messaging system~~ utilizing FRCC
22 communication systems) generating utilities' operation personnel of the Alert
23 condition. In case the FRCC Executive ~~Director~~ President is not reachable,

1 the SCEC shall make the notifications assigned to the FRCC Executive
2 ~~Director~~President.

3
4 C. FRCC Security Coordinator Responsibility

- 5
6 1. Review conditions for potential reliability problems.
7 2. Notify the southern Subregion Security Coordinator as appropriate.
8 3. Notify NERC as appropriate.

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10 D. Utility Responsibility

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12 1. Implement utility public awareness programs if appropriate.
13 2. Implement individual utility emergency plans if appropriate.
14 3. Notify local emergency agencies if appropriate.

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16 ~~ED.~~ FRCC Executive~~Director~~President Responsibility

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18 1. After notification from the SCEC, advise the Florida Division of Emergency
19 Management, State Warning Point (SWP) and FRCC member utilities
20 communications personnel of a Generating Capacity Alert and provide the
21 following information:

- 22
23 a. Florida-FRCC generating capacity

- 1 b. ~~Florida~~ FRCC expected peak load
- 2 c. Status of major generating unit outages
- 3 d. Expected duration of event
- 4 e. Explanation of utilities' planned actions, and recommendations of
- 5 agency actions in support of the utilities.

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7 2. If requested by State Warning Point representative, act as single point

8 contact between the SWP and the state's FRCC utilities.

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10 3. Advise Florida Public Service Commission of the Alert status providing the

11 same information as provided to SWP.

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13 4. Advise Department of Energy of the Alert status.

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15 —~~5. Notify NERC~~

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17 ~~E.~~ F. State Agency Actions

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- 19 1. Florida Division of Emergency Management
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- 21 a. Maintain contact with affected utilities and/or FRCC
 - 22 b. Maintain contact with affected counties
 - 23 c. Notify appropriate state agencies, including the Florida Energy Office.

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2. Florida Public Service Commission

Maintain communications with electric utilities and Florida Division of
Emergency Management as appropriate.

3. Florida Energy Office

Maintain contact with Florida Division of Emergency Management and
other parties as appropriate.

F.G. Public Information

An Alert is the first formal phase of generating capacity emergency
communications. Messages are specific and call for particular responses to
prepare for or prevent an impending emergency.

1. Notification

In notifying customers and local support agencies, messages shall seek
specific action responses.

a. Local Emergency Agencies

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At this time, safety and/or conservation or system status information shall be disseminated to local emergency agencies by individual utilities. Agencies may decide to activate government access cable television broadcasts and Emergency Broadcast System regional radio broadcasts. Additional information may be provided to local agencies by the SWP.

b. News Media

At this time, news media shall be advised to activate Alert phase communications.

~~c. The FRCC Security Coordinator will notify the Southern Subregion Security Coordinator of the Alert.~~

2. Messages

Messages are specific and offered as hard news either in the form of a news release and/or public service announcement. Example: "Due to severe cold weather and an unusually high demand for electricity throughout the state, customers are asked to reduce their consumption of electricity to minimize the need for rolling blackouts. Customers should

1 lower/raise (depending on the season) thermostat settings and shut off all
2 unnecessary appliances. To prepare for possible rolling blackouts,
3 customers should have emergency supplies on hand such as a battery-
4 operated radio, extra batteries, flashlights, candles or lanterns, and bottled
5 water.”
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GENERATING CAPACITY EMERGENCY

A. Definition

A Generating Capacity Emergency exists when any one or more of the electric utilities in the ~~state of Florida~~ FRCC Region has inadequate generating capability, including purchased power, to supply its firm load operations. The sudden loss of firm load due to a local transmission or distribution outage would not cause implementation of this ~~plan~~ Plan.

When implementing firm load reduction, facilities essential to the health, safety, or welfare of the community should be considered in individual utility plans and, insofar as the situation makes it practical, their special needs addressed.

Although not an exhaustive list, the following types of installations may be included in this category:

- (a) Hospitals and similar medical facilities.
- (b) Police and fire stations.

- 1 (c) Operation, guidance control, and navigation services for public
2 transportation and shipping, including rail, mass transit, licensed
3 commercial air transportation, and other forms of transportation.
- 4 (d) Communication services, including telephone and telegraph systems,
5 television, and radio stations.
- 6 (e) Water supply and sanitation services, including waterworks, pumping and
7 sewage disposal activities which cannot be reduced without seriously
8 affecting public health.
- 9 (f) Federal activities essential for national defense and state and local
10 activities essential for providing emergency services.

11

12 Although these types of customers may be given special consideration from the
13 curtailment provisions of this plan, they should be encouraged to install
14 emergency generation equipment if continuity of service is essential. In the case
15 of these types of customers when supplied from multiple sources, (such as a
16 hospital with two feeders) efforts will be made to maintain one source in service
17 at all times. Other customers who, in their opinion, have critical equipment
18 should install emergency or portable generating equipment.

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20 Although not within the definition of essential services, the special situation of life
21 sustaining medical equipment may be considered on a case-by-case basis in the
22 individual utility plans. Life sustaining medical equipment is defined as
23 equipment:

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- which is necessary to sustain the life of the user,
- which has been prescribed by the user's physician, and
- where any interruption of electricity to such equipment poses an immediate threat to the user.

Each utility should consult with customers in this category to ensure that they fully understand the need for sufficient and proper backup power sources. In addition, during emergency conditions, cooperation and coordination should be provided to community service agencies and other governmental units which make special provisions for the needs of those with life sustaining medical equipment.

B. Utility Responsibility

1. Implement utility emergency plans if appropriate
2. Notify the State Capacity Emergency Coordinator

C. State Capacity Emergency Coordinator Responsibility

After notification by the utility(ies), the SCEC shall contact the FRCC ~~Executive Director/President~~, the Chair of the FRCC Operating Committee, and the ~~Chair of the FRCC Emergency Communications Team (ECT)~~ FRCC

1 Security Coordinator (SC), or their designees. The SCEC shall also notify
2 (~~through the FRCC messaging system~~ utilizing FRCC communication
3 systems) generating utilities' operation personnel of the Emergency condition.
4 In case the FRCC ~~Executive Director~~ President is not reachable, the SCEC
5 shall make the notifications assigned to the FRCC ~~Executive~~
6 ~~Director~~ President.

7
8 D. FRCC Security Coordinator Responsibility

- 9
10 1. Review conditions for potential reliability problems.
11 2. Notify the Southern Subregion Security Coordinator as appropriate.
12 3. Notify NERC as appropriate.

13
14 ED. FRCC ~~Executive Director~~ President Responsibility

- 15
16 1. After notification from the SCEC, advise the Florida Division of Emergency
17 Management, State Warning Point (SWP), and FRCC member utilities
18 communications personnel of a Generating Capacity Emergency and
19 provide the following information:
20
21 a. Florida FRCC generating capacity
22 b. Florida FRCC expected peak load

- 1 c. Geographic areas and number of customers that are expected to be
2 most severely impacted, if available.
- 3 d. Status of major generating unit outages
- 4 e. Expected duration of event
- 5 f. Explanation of utilities' planned actions, and recommendations of
6 agency actions in support of the utilities.
- 7
- 8 2. If requested by State Warning Point representative, act as single point
9 contact between the SWP and the state's FRCC utilities.
- 10
- 11 3. Advise Florida Public Service Commission of the Emergency status
12 providing the same information as provided to SWP.
- 13
- 14 4. The FRCC ~~Executive Director~~President shall notify the designated
15 individual in the following appropriate agencies or offices:
- 16
- 17 Department of Energy/Economic Regulatory Administration (DOE/ERA)
- 18 Environmental Protection Agency (EPA)
- 19 Executive Office of the Governor
- 20 Federal Energy Regulatory Commission (FERC)
- 21 Florida Department of Environmental Protection (FDEP)
- 22 Florida Public Service Commission (FPSC)
- 23 North American Electric Reliability Council (NERC)

1 Southeastern Electric Reliability Council (SERC)

2
3 E.F. State Agency Actions

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5 1. Florida Division of Emergency Management

- 6
7 a. Maintain contact with affected utilities and/or FRCC
8 b. Maintain Contact with affected counties
9 c. Prepare for activation of emergency public information
10 d. Prepare for sheltering of evacuees
11 e. Notify appropriate state agencies, including the Florida Energy Office.

12
13 2. Florida Public Service Commission

14
15 Maintain communications with electric utilities and Florida Division of
16 Emergency Management as appropriate.

17
18 3. Governor's Energy Office

19
20 Maintain contact with the Florida Division of Emergency Management and
21 other parties as appropriate.

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23 FG. Public Information

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A Generating Capacity Emergency exists when any one electric utility cannot supply its firm load obligations. Messages are specific and call for appropriate safety, conservation and damage control responses to minimize the effects of the crisis.

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1. Notification

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In notifying customers and local support agencies, messages seek specific action responses.

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a. State Warning Point

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~~Upon meeting the criteria for a Generating Capacity Emergency, the FRCC Executive Director shall contact the~~ The Division of Emergency Management, State Warning Point ~~and DEM~~ will decide when and if to initiate the Emergency Broadcast System message (Appendix A or B depending on reason for the emergency).

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b. Local Emergency Agencies

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At this time, safety and/or conservation or system status information shall be disseminated to local agencies. Agencies may decide to activate government access cable television broadcasts and Emergency Broadcast System regional radio broadcasts. The SWP may provide additional information to local agencies.

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c. News Media

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At this time, news media shall be advised to activate Emergency phase communications and revise broadcasts accordingly.

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~~d. The FRCC Security Coordinator will notify the Southern Subregion Security Coordinator of the Emergency.~~

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2. Messages

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Messages are specific and offered as hard news either in the form of a news release and/or a public service announcement. Example: "Electricity has been temporarily interrupted to some customers because of a shortage of electricity. Rolling blackouts have been implemented to prevent blackout of the utility's entire service territory. We do not know how long these circumstances will last, but utility employees are working

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1 to restore electric service as quickly as possible. Customers with power
2 should continue to reduce consumption of electricity by lowering/raising
3 (depending on season) thermostat settings and shutting off all
4 unnecessary appliances. If your electricity is off, help us restore your
5 power sooner by leaving on just a few indoor lights so you'll know when
6 your power has been restored."
7
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9 **SYSTEM LOAD RESTORATION**

10 11 **A. Definition**

12
13 System Load Restoration is complete when firm load reduction has been
14 terminated and power supply is adequate, such that the operating margin can
15 cover the loss of the largest generating unit.
16

17 **B. Utility Responsibility**

18
19 Notify the State Capacity Emergency Coordinator that firm load has been
20 restored.
21

22 **C. State Capacity Emergency Coordinator Responsibility**

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1 After notification by the utilities, the SCEC shall contact the FRCC Executive
2 Director President, the Chair of the FRCC Operating Committee (OC) and the
3 FRCC Emergency Communications Team (ECT) FRCC Security Coordinator
4 (SC), or their designees, of the termination of the Emergency condition. The
5 SCEC shall also notify (through the FRCC messaging system utilizing FRCC
6 communication systems) the generating utilities' operation personnel. In case
7 the FRCC Executive Director President is not reachable, the SCEC shall make
8 the notifications assigned to the FRCC Executive Director President.

9
10 D. FRCC Security Coordinator Responsibility

11
12 1. Review conditions for potential reliability problems.

13 2. Notify the Southern Subregion Security Coordinator as appropriate.

14 3. Notify NERC as appropriate.

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16
17 ED. FRCC Executive Director President Responsibility

18
19 1. Advise SWP of the termination of the Emergency condition.

20 2. Advise FPSC of the termination of the Emergency condition.

21 ~~3. Notify NERC~~

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23 FE. State Agency Actions

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1. Florida Division of Emergency Management

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a. Maintain contact with affected utilities and/or FRCC

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b. Maintain contact with affected counties

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c. Evaluate need for continued sheltering as appropriate

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d. Inform the Florida Energy Office

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2. Florida Public Service Commission

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Maintain communications with electric utilities and Florida Division of

12

Emergency Management as appropriate.

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3. Florida Energy Office

Maintain contact with the Florida Division of Emergency Management and other parties as appropriate.

~~4. Notify NERC.~~

FG. Public Information

The Restoration is the recovery phase of the Emergency. It marks either an end to rolling blackouts or the resumption of service to customers previously impacted. Messages are specific and are designed to provide system status reports, timing and locations of scheduled repair activities, appropriate safety information and customer self-help instruction.

1. Notification

In notifying customers and local support agencies, messages indicate termination of the Emergency. They also provide safety and system status information and call for specific action responses.

a. State Warning Point

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Upon meeting the criteria for System Load Restoration, the FRCC ~~Executive Director~~President shall contact the Division of Emergency Management, State Warning Point and DEM will decide when and if to initiate the Emergency Broadcast System Load Restoration Message (Appendix C).

b. Local Emergency Agencies

At this time, safety and system status information shall be disseminated to local agencies by individual utilities. Agencies may decide to activate government access cable television broadcasts and Emergency Broadcast System regional radio broadcasts. The SWP may also provide additional information to local agencies.

c. News Media

At this time, news media shall be advised to activate Restoration phase communications and revise broadcasts accordingly.

~~d. The FRCC Security Coordinator will notify the Southern Subregion Security Coordinator of the Restoration.~~

1 2. Messages

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3 Messages are specific and offered as hard news either in the form of a
4 news release and/or public service announcement. Example: "The
5 emergency condition has ended and rolling blackouts have been
6 discontinued. Extra service crews will continue to work around the clock
7 to restore power resulting from utility equipment damage. If your power is
8 out, please call the Customer Service office to report any problems and
9 schedule assistance. Your patience and cooperation during the
10 emergency has been greatly appreciated."

11
12 **MAINTAINING EMERGENCY PREPAREDNESS**

13
14 The Chair of the FRCC Operating Committee has the overall responsibility to maintain
15 emergency preparedness. Each year the Chair of the FRCC Operating Committee will
16 review the current preparedness program in order to determine effectiveness of that
17 program in light of current events and past experiences. This review will include a
18 training exercise which will be held ~~in the fall~~ annually.

19
20 The Chair of the FRCC Operating Committee (OC) is responsible for coordinating the
21 training exercise. The Florida Division of Emergency Management (DEM), ~~and the~~
22 Florida Public Service Commission (FPSC) staff, and representatives from the gas
23 pipeline(s) in the state are to participate in the exercises. The exercises shall consist of

1 a one-day training session for personnel with a major role in the coordination and/or
2 implementation of the activities described within this plan. Such sessions shall include a
3 review of the responsibilities of each individual party along with table-top exercises
4 consisting of one or more possible emergency scenarios.

5

6 A group chaired by the FRCC Operating Committee (OC) Chair and made up of the
7 SCEC, and selected FRCC OC members, ~~and selected FRCC Emergency~~
8 ~~Communications Team (ECT) members~~ shall critique the exercises called by the plan
9 versus experiences gained through the year. This group will make an assessment of
10 the adequacy of the FRCC Generating Capacity Shortage Plan and will make
11 recommendations, if any, for improvement or revisions.

(STATE EBS MESSAGE)

**“GENERATING CAPACITY EMERGENCY”
(WEATHER-RELATED)**

FLORIDA'S ELECTRIC UTILITIES [use: ARE CURRENTLY or ANTICIPATE] ROTATING ELECTRIC POWER TO CUSTOMERS IN THEIR SERVICE TERRITORIES DUE TO WEATHER-RELATED, HIGH DEMAND WHICH EXCEEDS AVAILABLE POWER SUPPLIES.

TO MINIMIZE THE SCOPE AND DURATION OF THE ROLLING BLACKOUTS, THE STATE'S ELECTRIC UTILITIES HAVE ISSUED THE FOLLOWING EMERGENCY PUBLIC APPEALS.

- IF YOUR ELECTRICITY IS ON, DISCONTINUE ALL NON-ESSENTIAL USES; CONSERVATION WILL HELP!
- IF YOUR POWER GOES OUT, TURN OFF ALL MAJOR ELECTRIC APPLIANCES. THIS WILL HELP PREVENT THE SYSTEM SERVING YOUR HOME FROM BEING OVERLOADED. WHEN POWER IS RESTORED, TURN APPLIANCES ON GRADUALLY, AND ONLY AS NEEDED.
- UTILITY PHONE LINES ARE OVERLOADED. PLEASE LEAVE THE LINES OPEN FOR EMERGENCY CALLS. IF YOU ARE THE ONLY HOME OR BUSINESS IN YOUR NEIGHBORHOOD EXPERIENCING AN EXTENDED POWER OUTAGE, CONTACT YOUR LOCAL ELECTRIC UTILITY.

STAY TUNED FOR FURTHER ANNOUNCEMENTS.

(STATE EBS MESSAGE)

**“GENERATING CAPACITY EMERGENCY”
(SUDDEN POWER LOSS)**

FLORIDA'S ELECTRIC UTILITIES HAVE EXPERIENCED A SIGNIFICANT, WIDESPREAD DISRUPTION TO THE POWER SUPPLY SYSTEM AFFECTING CUSTOMERS THROUGHOUT THE STATE.

RESTORATION OF THE POWER SUPPLY SYSTEM IS UNDER WAY. EFFORTS TO RETURN INDIVIDUAL AND NEIGHBORHOOD ELECTRIC SERVICE, HOWEVER, MAY TAKE SEVERAL HOURS OR MORE.

THE STATE'S ELECTRIC UTILITIES HAVE ISSUED THE FOLLOWING EMERGENCY INFORMATION AND PUBLIC APPEALS:

- IF YOUR ELECTRICITY IS ON, DISCONTINUE ALL NON-ESSENTIAL USES, ESPECIALLY REDUCE USE OF AIR-CONDITIONING/HEATING. CONSERVATION WILL HELP THE RESTORATION EFFORT.
- IF YOUR POWER IS OUT OR GOES OUT — TURN OFF ALL MAJOR ELECTRIC APPLIANCES. THIS WILL HELP PREVENT THE SYSTEM SERVING YOUR HOME FROM BEING OVERLOADED. WHEN POWER IS RESTORED, TURN APPLIANCES ON GRADUALLY, AND ONLY AS NEEDED.
- UTILITY PHONE LINES ARE OVERLOADED. PLEASE LEAVE THE LINES OPEN FOR EMERGENCY CALLS. IF YOU ARE THE ONLY HOME OR BUSINESS IN YOUR NEIGHBORHOOD EXPERIENCING AN EXTENDED POWER OUTAGE, CONTACT YOUR LOCAL ELECTRIC UTILITY.

STAY TUNED FOR FURTHER ANNOUNCEMENTS.

(STATE EBS MESSAGE)

“SYSTEM LOAD RESTORATION”

FLORIDA'S ELECTRIC UTILITIES ANNOUNCED THAT THE WIDESPREAD ELECTRIC POWER EMERGENCY HAS ENDED AND ELECTRIC SERVICE HAS BEEN RESTORED TO MOST AREAS OF THE STATE. SMALLER, LOCALIZED POWER REPAIR AND RESTORATION EFFORTS ARE BEING ADDRESSED BY LOCAL UTILITY CREWS.

“RESTORATION/OPTIONAL”
(DO NOT USE IF EMERGENCY WAS A SUDDEN POWER LOSS)

PUBLIC ACTION ON EARLY APPEALS FOR CONSERVATION IS BEING CREDITED WITH SUBSTANTIALLY HELPING SHORTEN THE SCOPE AND DURATION OF THE POWER OUTAGES.