

State of Florida



Public Service Commission

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TALLAHASSEE, FLORIDA 32399-0850

-M-E-M-O-R-A-N-D-U-M-

DATE: June 6, 2024

TO: Office of Commission Clerk (Teitzman)

FROM: Office of the General Counsel (Rubottom) *SMC*
Division of Economics (Guffey) *EJD*
Division of Engineering (Brown) *TB*

RE: Docket No. 20240080-EI – Proposed amendment of Rule 25-6.0183, F.A.C.,
Electric Utility Procedures for Generating Capacity Shortage Emergencies.

AGENDA: 06/18/24 – Regular Agenda – Rule Proposal – Interested Persons May Participate

COMMISSIONERS ASSIGNED: All Commissioners

PREHEARING OFFICER: Clark

CRITICAL DATES: None

SPECIAL INSTRUCTIONS: None

Case Background

Rule 25-6.0183, Florida Administrative Code (F.A.C.), Electric Utility Procedures for Generating Capacity Shortage Emergencies, establishes the Florida Reliability Coordinating Council, Inc.'s (FRCC) Generating Capacity Shortage Plan (FRCC Plan) as the Commission's plan to address generating capacity shortage emergencies within Florida. Staff initiated rulemaking to amend Rule 25-6.0183, F.A.C., for the purpose of incorporating by reference into the rule the updated, November 1, 2023, version of the FRCC Plan.

A Notice of Rule Development for this rule appeared in the February 12, 2024, edition of the Florida Administrative Register, Vol. 50, No. 29. No requests for a rule development workshop were made, and no workshop was held. This recommendation addresses whether the Commission should propose the amendment of Rule 25-6.0183, F.A.C. The Commission has jurisdiction pursuant to Sections 120.54, 366.04, and 366.05, Florida Statutes (F.S.).

Discussion of Issues

Issue 1: Should the Commission propose the amendment of Rule 25-6.0183, F.A.C., Electric Utility Procedures for Generating Capacity Shortage Emergencies?

Recommendation: Yes. The Commission should propose the amendment of Rule 25-6.0183, F.A.C., as set forth in Attachment A. The Commission should also certify that Rule 25-6.0183, F.A.C., is a rule the violation of which would be a minor rule violation pursuant to Section 120.695, F.S. (Rubottom, Brown, Guffey)

Staff Analysis: The FRCC is a Florida not-for-profit company whose mission is to coordinate a safe, reliable, and secure bulk power system in the areas of Florida served by its members.¹ The FRCC's members include investor-owned, municipal, and cooperative electric utilities, as well as entities representing wholesale, generation, and load serving electric utility sectors.² The FRCC serves as a registered Reliability Coordinator and Planning Authority for the North American Electric Reliability Corporation (NERC) within the service area of FRCC's members.³ Prior to 2019, the FRCC also served as the regional entity with delegated authority from NERC for the purpose of proposing and enforcing reliability standards within the FRCC region; however, the FRCC transferred those functions in 2019 to the SERC Reliability Corporation.⁴

The FRCC Plan, appended to this recommendation in Attachment A, is designed to document guidelines and summarize procedures to be used by governmental agencies and electric utilities within the FRCC Reliability Coordinator Area in response to generating capacity shortages which impact or threaten to impact significant numbers of customers. In particular, the FRCC Plan addresses the procedures of balancing authorities, generator operators, and transmission operators during a generating capacity shortage to ensure coordinated state-wide action and communication. As part of the FRCC Plan, the Commission acts as an informational liaison to all interested parties.

The FRCC Plan was revised effective November 1, 2023. Staff recommends the amendment of Rule 25-6.0183, F.A.C., to adopt and incorporate by reference the updated 2023 version of the FRCC Plan. The adoption of the most recent version of the FRCC Plan is the only substantive amendment to the rule, and other amendments are designed to provide clarity and consistency.

The November 1, 2023, FRCC Plan revises the Florida Transaction Management System (FTMS) definition as well as references to EOP-011-2, which addresses Emergency Preparedness and Operations. These changes affect Sections 6 and 8 of the plan. The 2023 plan also includes other revisions made to the plan since this rule was last updated by the Commission in May 2017, including to correct grammatical errors or inconsistencies, clarify responsibilities, and incorporate new or revised FRCC definitions.

¹ <https://www.frcc.com/aboutus/Shared%20Documents/FRCC%20At%20A%20Glance%20.pdf>.

² *Id.*

³ *Id.*

⁴ <https://www.frcc.com/SitePages/FRCC-TRANSFERS-REGIONAL-ENTITY-FUNCTIONS-AND-ENTITIES-TO-SERC.aspx>.

Minor Violation Rules Certification

Pursuant to Section 120.695, F.S., for each rule filed for adoption, the agency head shall certify whether any part of the rule is designated as a rule the violation of which would be a minor violation. Rule 25-6.0183, F.A.C., is on the Commission's minor violation rule list because violation of the rule would not result in economic or physical harm to a person or adverse effects on the public health, safety, or welfare and would not create a significant threat of such harm. The proposed amendments to the rule would not alter the likelihood or risk of such harms in the event of a violation. Thus, if the Commission proposes the amendment, staff recommends that the Commission certify that Rule 25-6.0183, F.A.C., is a rule the violation of which would be a minor violation pursuant to Section 120.695, F.S.

Statement of Estimated Regulatory Costs

Pursuant to Section 120.54, F.S., agencies are encouraged to prepare a statement of estimated regulatory costs (SERC) before the adoption, amendment, or repeal of any rule.⁵ Agencies are required to prepare a SERC for any rule that will have an adverse impact on small business or that is likely to directly or indirectly increase regulatory costs in excess of \$200,000 in the aggregate within one year after implementation.⁶ The SERC analysis includes whether the rule will, within five years of implementation, have an adverse impact in excess of \$1 million in the aggregate on economic factors such as economic growth, private sector job creation or employment, private sector investments, or business competitiveness, productivity, or innovation.⁷ If expected adverse impacts or regulatory costs exceed any of the above criteria, a proposed rule may not take effect until it is ratified by the Legislature.⁸

A SERC was prepared and is appended hereto as Attachment B. The SERC concludes that the rule will not have an adverse impact on small business and that the rule is not likely to directly or indirectly increase regulatory costs in excess of \$200,000 in the aggregate within one year after implementation. Further, the SERC concludes that the rule will not likely have an adverse impact on economic growth, private sector job creation or employment, private sector investment, or business competitiveness, productivity, or innovation in excess of \$1 million in the aggregate within five years of implementation. None of the adverse impact or regulatory cost criteria set forth in Section 120.541(2)(a), F.S., will be exceeded as a result of the recommended amendments to the rule. Thus, the rule does not require legislative ratification pursuant to Section 120.541(3), F.S. In addition, the SERC states that the rule will have no impact on small cities or counties and will not increase the cost to the Commission to implement and enforce the rule. No regulatory alternatives have been submitted pursuant to Section 120.541(1)(a), F.S.

Conclusion

Based on the foregoing, staff recommends the Commission propose the amendment of Rule 25-6.0183, F.A.C., as set forth in Attachment A. In addition, staff recommends that the Commission certify that Rule 25-6.0183, F.A.C., is a rule the violation of which would be a minor violation pursuant to Section 120.695, F.S.

⁵ Section 120.541(1)(b), F.S.

⁶ *Id.*

⁷ Section 120.541(2)(a), F.S.

⁸ Section 120.541(3), F.S.

Issue 2: Should this docket be closed?

Recommendation: Yes. If no requests for hearing or JAPC comments are filed, and no proposal for a lower cost regulatory alternative is submitted, the rule may be filed with the Department of State for adoption, and the docket should be closed.

Staff Analysis: If no requests for hearing or JAPC comments are filed, and no proposal for a lower cost regulatory alternative is submitted pursuant to Section 120.541(1)(a), F.S., the rule may be filed with the Department of State for adoption, and the docket should be closed.

1 **25-6.0183 Electric Utility Procedures for Generating Capacity Shortage Emergencies.**

2 The Commission adopts the FRCC Generating Capacity Shortage Plan, FRCC-MS-OPRC-
3 015, Effective Date: November 1, 2023 ~~December 15, 2016~~, Version: 18 8, which is adopted
4 and hereby incorporated by reference into this rule and may be accessed at [new hyperlink]
5 <http://www.flrules.org/Gateway/reference.asp?No=Ref 08155>, or by contacting the
6 Commission’s Division of Engineering, Florida Public Service Commission, 2540 Shumard
7 Oak Boulevard, Tallahassee, Florida 32399-0850, as the Commission’s plan to address
8 generating capacity shortage emergencies within Florida.

9 *Rulemaking Authority 350.127(2), 366.05 FS. Law Implemented 366.04(2)(c), (f), (5) FS.*
10 *History—New 2-12-91, Amended 3-19-98, 4-27-03, 5-1-08, 5-9-17,_____.*

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



FRCC Document Classification: Public – This document may be shared freely with no access or use restrictions.

FRCC
Generating Capacity Shortage Plan
FRCC-MS-OPRC-015
Effective Date: November 1, 2023
Version: 18

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The original signatures are maintained on file.

TITLE	NAME	DATE
Version Author	John Libertz	09/15/2023
Document Review Authority	FRCC Operating Reliability Subcommittee	09/19/2023
Document Approval Authority	FRCC Operating Committee	10/5/2023

Document Subject Matter Expert: State Capacity Emergency Coordinator
Original Author: Eric Senkowicz
Responsible Department: Operations
Review Cycle: Review and update annually with no more than 15 months between reviews¹
Last Date Reviewed: 10/5/2023
Next Planned Review Date: 10/5/2024
Retention Period: 7 Years
File Name: frccmsoprc015_gencapshrtpln
Document ID #: FRCC-MS-OPRC-015

¹ NERC Reliability Standard IRO-014-3 R2.1

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1.0 Purpose

The purpose of this *FRCC Generating Capacity Shortage Plan (FRCC Plan)* is to document guidelines and summarize procedures to be used by electric utilities within the FRCC Reliability Coordinator Area (FRCC RC Area) and governmental agencies in response to generating capacity shortages which impact or threaten to impact significant numbers of customers. Generating capacity shortages may be caused by unusually hot or cold weather, fuel supply shortages, transmission disruptions or plant outages.

This *FRCC Plan* is oriented toward energy emergencies caused by a generating capacity shortage. It is designed to provide a coordinated response to the various communications, environmental, legal, political and technical concerns which may arise on a state-wide basis during a generating capacity shortage. Power disruptions limited to a local area that are caused by factors other than a generating capacity shortage are outside of the scope of this *FRCC Plan*.

Based on the interdependency of generation capacity and generator fuel supply, and that a significant portion of electric generation within the FRCC RC Area uses remotely supplied natural gas, the plan specifically distinguishes generating capacity shortages by primary causes. The two types of generating capacity shortages are inadequate generating capability (1) due to abnormally high loads or unavailable generating facilities or (2) due to inadequate fuel supply. The two types have distinct initiating events and may require unique responses to ensure optimal state-wide communication and coordination to minimize impacts of shortages on the people of Florida.

The *FRCC Plan* addresses: 1) procedures to be followed by individual FRCC Balancing Authorities (FRCC BAs), FRCC Generator Operators (FRCC GOPs), and FRCC Transmission Operators (TOPs) during a generating capacity shortage on their systems and 2) procedures to be followed by all FRCC BAs, FRCC GOPs, and FRCC TOPs to ensure coordinated state-wide action and communication.

2.0 Terms and Definitions

2.1 North American Electric Reliability Corporation (NERC) Glossary of Terms

Unless otherwise noted within this section of the document, the capitalized terms within this procedure are defined in the NERC Glossary of Terms.

2.2 FRCC Balancing Authorities (FRCC BAs)

As defined in the *FRCC Document Control Policy and Procedure (FRCC-MS-ISD-014)*.

2.3 FRCC Generator Operators (FRCC GOPs)

As defined in the *FRCC Document Control Policy and Procedure (FRCC-MS-ISD-014)*.

2.4 FRCC Transmission Operators (FRCC TOPs)

As defined in the *FRCC Document Control Policy and Procedure (FRCC-MS-ISD-014)*.

2.5 FRCC Reliability Coordinator Area (FRCC RC Area)

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As defined in the *FRCC Document Control Policy and Procedure* (FRCC-MS-ISD-014).

2.6 Energy Emergency

Per the NERC Glossary of Terms, a condition when a Load-Serving Entity (LSE) or Balancing Authority (BA) has exhausted all other resource options and can no longer meet its expected Load obligations.

2.7 Energy Emergency Alert (EEA)

A classification of Energy Emergency as outlined in Attachment 1 of the NERC Reliability Standard EOP-011-2.

2.8 Firm Operating Margin (w/ use of interruptible load and /or Demand Side Management)

Total Resources – Total Firm Load (includes Firm Sales).

2.9 Firm Sales

Total sales that have the same level of priority as Firm Load for each FRCC BA.

2.10 Florida Transaction Management System (FTMS)

The FTMS is a software tool, available through the Internet, that enables multiple concurrent users to obtain a variety of reliability related services. Each FRCC Balancing Authority (BA) and FRCC Transmission Operator (TOP) will provide reliability data for use in performing the Operations Planning function. Operating Entities (OEs) may connect to the FTMS as outlined in Section 6.1: Security Features of the FTMS and to Section 6.2: Access Controls to *FTMS of the Florida Transaction Management System Guidance Procedure* (FRCC-MS-OPRC-035). The FTMS computer application is hosted, and supported, by a third-party vendor, Open Access Technology International (OATI).

2.11 Generating Capacity Shortage

A generating capacity shortage exists when any one of the FRCC BAs in the FRCC RC Area has, or is forecast to have, inadequate generating capability, including purchased power, to supply its firm load obligations.

2.12 Interruptible or Non-Firm Load or Demand Side Management

All residential and commercial load that can be interrupted for each FRCC BA.

2.13 Most Severe Single Contingency (MSSC)

MSSC in the FRCC RC Area is defined in the FRCC procedure titled *Regional Process for Determination of Most Severe Single Contingency* (FRCC-MS-OPRC-008).

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2.14 Operating Margin (w/o use of interruptible load and /or Demand Side Management)

Total Resources – Total Load (includes Firm Sales and Non-Firm Sales).

2.15 Total Firm Load

Sum of all FRCC BAs Total Load (including Firm Sales) within the FRCC RC Area minus the Sum of all BAs Non-Firm Load (including Non-Firm Sales) inside of the FRCC RC Area.

2.16 Total Peak Load

Total FRCC BA forecasted peak load (including Firm Sales and Non-Firm Sales) in the FRCC RC Area for the current day.

2.17 Total Resources

All available generation and purchased capacity (firm and non-firm) resources that are expected to be counted on to provide the declared output.

3.0 Background

Electricity is a vital part of Florida’s infrastructure. It is critical for the existing and growing residential population, for commerce and industry, and for tourism. FRCC BAs, FRCC GOPs, and FRCC TOPs coordinate planning and operations to ensure adequacy and reliability of the electric system long-term. However, during periods of abnormal weather, in the event of multiple unanticipated generating outages, or during fuel supply or fuel availability constraints, there may be occasional times when load serving capacity is also constrained or falls below customer demand. The following plan was developed to facilitate coordinated actions among FRCC BAs, FRCC GOPs, and FRCC TOPs and state and local agencies in the event of an anticipated or actual generating capacity shortage so as to protect the health, safety, and welfare of the people of Florida, consistent with good operating practices.

4.0 Applicability

4.1 FRCC BAs

4.2 FRCC GOPs

4.3 FRCC Reliability Coordinator (FRCC RC)

4.4 FRCC State Capacity Emergency Coordinator (FRCC SCEC)

4.5 FRCC TOPs

5.0 Responsibilities

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5.1 FRCC State Capacity Emergency Coordinator (FRCC SCEC)

The FRCC SCEC is responsible for the actions outlined in this *FRCC Plan*. The mechanisms used by the FRCC SCEC to gather and analyze the necessary information include, the FRCC Daily Capacity Assessment Report, weather forecasts and individual FRCC BA notifications and status reports. Upon meeting a phase's criteria, the FRCC SCEC shall perform the actions outlined within this *FRCC Plan*.

5.2 Florida Division of Emergency Management (FDEM)

The FDEM is responsible for notifying county and private emergency organizations that are part of its system. FDEM also decides when and if to use the Emergency Alert System (EAS) to disseminate messages to citizens. The FDEM will act as an information liaison in areas particularly related to environmental permitting that may impact availability of generators or fuel supply. The suggested EAS message is included in *Attachment B: State Warning Point Notification Template*.

5.3 Florida Public Service Commission (FPSC)

The FPSC acts as an informational liaison to all interested parties.

5.4 FRCC BAs, FRCC GOPs, and FRCC TOPs

Each FRCC BAs, FRCC GOPs, and FRCC TOPs participating in this *FRCC Plan* shall have an energy emergency plan as outlined in this document.

The individual FRCC BA, FRCC GOP, and FRCC TOP will work with FRCC Operations staff to aggregate FRCC RC Area data and provide status reports and technical updates to the FPSC staff. FRCC BAs, FRCC GOPs, and FRCC TOPs, along with the FRCC RC, will also update the North American Electric Reliability Corporation (NERC) and the Federal Energy Regulatory Commission (FERC) as required. FRCC BAs, FRCC GOPs, and FRCC TOPs, along with the FRCC RC, shall also specifically update the United States Department of Energy (U.S. DOE) as appropriate and in accordance with current U.S. DOE, Electric Emergency Incident and Disturbance Report, criteria and reporting protocol. All entity reporting shall comply with appropriate NERC Reliability Standards along with applicable SERC Regional Reliability Standards.

5.5 FRCC Operating Reliability Subcommittee (FRCC ORS)

The FRCC ORS is responsible for the review and update of this document.

5.6 FRCC Operating Committee (FRCC OC)

The FRCC OC is responsible for the review and approval of this document.

6.0 FRCC Plan

6.1 FRCC Protocols, Processes and Communications

The *FRCC Plan* includes procedures for responding to emergencies with time frames ranging from
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sudden, unexpected events to those caused by weather systems that can be tracked and provide advance notice. The FRCC RC and FRCC SCEC utilize a variety of FRCC protocols, processes, and tools to ensure accurate, timely and appropriate coordination of information and operational data collection. Information is aggregated and used to ensure accurate reliability assessments of the FRCC RC Area and effective implementation of this FRCC Plan. Some of these procedures, protocols, processes and tools include forward looking capacity assessment reports, the RC Agent's gas pipeline overview page on the Blue Florida display for the FRCC RCSO, conference calls, reliability status reports, fuel inventory status reports and various established communication channels.

The FRCC SCEC will make the appropriate notifications as outlined in each of the capacity shortage conditions within this *FRCC Plan*. FRCC BAs, FRCC GOPs, and FRCC TOPs may also individually provide communications to the public, news media, and governmental agencies. These communications will be shared with the FRCC RC and the FRCC Media Group for situational awareness purposes. In addition, the FRCC Media Group may coordinate additional communication, as needed.

6.2 Individual FRCC BA, FRCC GOP, and FRCC TOP Plans

Each FRCC BA, FRCC GOP, and FRCC TOP participating in this plan shall have an energy emergency plan that will enable it to cope with a generating capacity shortage on its system and to mitigate to the fullest extent practicable the impact of the emergency on its customers and neighboring FRCC BAs and FRCC TOPs and the reliability of the state-wide bulk power system. Each FRCC BA, FRCC GOP, and FRCC TOP plan shall include procedures for notification of its own emergency and public information personnel. Each FRCC BA, FRCC GOP, and FRCC TOP plan shall also include a requisite section on specifically coping with a generating capacity shortage directly attributable to a short-term fuel supply or fuel availability constraint. Emergency actions not specifically addressed in this *FRCC Plan* shall be addressed in the individual FRCC BA, FRCC GOP, and FRCC TOP plans. A copy of each individual plan shall be maintained with the FRCC RC and the FPSC (as required by the FPSC).

Each individual FRCC BA, FRCC GOP, and FRCC TOP's emergency plan or procedures should include (as appropriate for generating and non-generating FRCC BAs, FRCC GOPs, and FRCC TOPs) the following items (not necessarily in the sequence shown):

- Purpose and scope
- Supporting plans and procedures
- Department and personnel responsibilities
- Categories and criteria for activation of emergency plan
- Emergency communication centers (phone centers)
- Communication networks
- How and when messages are initiated
- Messages (available at FRCC BAs, FRCC GOPs, and FRCC TOPs, faxed as necessary)
- Seasonal public education messages

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- Florida Reliability Coordinating Council staff notification
- Florida Division of Emergency Management notification
- Florida Public Service Commission notification
- County emergency management agencies notification
- Notification of co-generators and non-utility generators
- Winterization as applicable
- Scheduling of generation facilities
- Fuel supply management
- Procedures to reduce company use of power
- Load reduction guidelines and identification and prioritization of critical loads
- Training
- Plan revision

Each individual FRCC BA, FRCC GOP, and FRCC TOP's emergency plan or procedures should also include (as appropriate for generating and non-generating FRCC BAs, FRCC GOPs, and FRCC TOPs) a complementary section or equivalent procedures that specifically enable it to handle a generation fuel shortage affecting its facilities and to mitigate to the fullest extent practicable the impact of short-term, generating fuel, availability constraints on the reliability of the FRCC RC Area Bulk Electric System (BES).

Each individual FRCC BA, FRCC GOP, and FRCC TOP's short-term generation fuel shortage procedures should include the following items (not necessarily in the sequence shown):

- A procedure for forecasting the extent of a generation fuel shortage
- A fuel inventory plan which recognizes unusual delays or problems with the delivery or production of fuel
- A procedure for notification to the FRCC SCEC and FRCC Director of Operations (or designee)
- A plan to operate all its generation resources to optimize, with appropriate deference to economic dispatch, the conservation of the fuel source in short supply, consistent with good operating practices
- A procedure for individual appeals to large industrial and commercial customers to reduce non-essential uses and to maximize use of any customer-owned generation utilizing energy sources other than the fuel in short supply (if applicable)
- A plan for expanding the use of load management resources or voltage reduction (if applicable)
- A plan for purchasing power from other sources. Emphasis should be placed on need to make use of pre-planned interchange contracts between FRCC BAs, in an effort to minimize use of fuels in

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short supply and maximize the efficiency of fuel that is available within the FRCC RC Area

6.3 FRCC Plan Procedural/Process Steps

The *FRCC Plan* describes the coordinated procedures to be followed by all FRCC BAs, FRCC GOPs, and FRCC TOPs during a generating capacity shortfall. The declaration of any phase of this *FRCC Plan* is based on data and activities occurring in the FRCC RC Area. Declarations will be made by the FRCC RC as appropriate. Declarations will be made on a state-wide basis since media and communication may cross FRCC BA and FRCC TOP boundaries. The FRCC President and CEO may work with the FRCC Media Group and FRCC Director of Operations to develop and coordinate notifications as necessary. The *FRCC Plan* consists of the following phases:

6.3.1 FRCC Generating Capacity Advisory

A Generating Capacity Advisory does not necessarily indicate an imminent threat of an Energy Emergency. Therefore, information offered is preparatory in nature and serves only to forewarn consumers well in advance that conditions exist for the potential of a generating capacity shortage at some point in the future. The Advisory is used in anticipation of operating conditions (low temperatures, low Operating Margin or fuel availability) for the current day plus the next two days which require heightened awareness and potential FRCC BA, FRCC GOP, and FRCC TOP precautionary actions. If needed, the FRCC Operating Reliability Subcommittee (ORS) may develop an extended capacity assessment to allow for additional coordination among FRCC BAs.

A Generating Capacity Advisory will be issued by the FRCC RC when conditions a, b, or c below are met:

- a) When the temperature projections, for up to three days in advance of the current date, meet the temperature criteria below:

LOCATION	TEMPERATURE
Panama City	21° F and below
Jacksonville	21° F and below
Tampa	31° F and below
Miami	40° F and below

- b) The Operating Margin is less than two times the current FRCC MSSC.
- c) The fuel supplies and deliveries, on a State-wide basis **may** be impacted by weather, natural gas production disruptions, natural gas pipeline delivery disruptions, or any other fuel infrastructure impacts within the FRCC RC Area resulting in condition (b) above. An

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Advisory for this condition will be issued as: **FRCC Generating Capacity Advisory/Short-Term Generation Fuel Availability Concern.**

Note: A Generating Capacity Advisory does not indicate an imminent threat of an Energy Emergency. An Advisory declared based on forecasted temperatures will not be rescinded even if the temperature forecast changes.

6.3.1.1 FRCC RC Responsibilities

- 6.3.1.1.1 Review conditions noted above on a daily basis and declare the Generating Capacity Advisory as necessary.
- 6.3.1.1.2 Notify FRCC BAs and FRCC TOPs of Generating Capacity Advisory condition.
- 6.3.1.1.3 Notify the FRCC SCEC of the Generating Capacity Advisory condition.
- 6.3.1.1.4 Notify the adjacent RC of the Generating Capacity Advisory condition.²
- 6.3.1.1.5 Review conditions for potential reliability problems.

6.3.1.2 FRCC SCEC Responsibility

- 6.3.1.2.1 Notify the FRCC Senior Management, the Chair of the FRCC OC, and the Chair of the FRCC ORS of the Generating Capacity Advisory condition.
- 6.3.1.2.2 Notify the FDEM, SWP, FPSC, NERC, SERC, FRCC BAs, FRCC GOPs, and FRCC TOPs of the Generating Capacity Advisory condition utilizing the applicable template shown in *Attachment A: FRCC SCEC Notification Templates*.
- 6.3.1.2.3 If requested by SWP representative, act as single point contact between the SWP and the FRCC BAs, FRCC GOPs, FRCC TOPs.
- 6.3.1.2.4 Advise natural gas pipeline operators within the FRCC RC Area on issuance of a Generating Capacity Advisory.
- 6.3.1.2.5 Initiate multi-day, look-ahead, FRCC Daily Capacity Assessment reporting for FRCC BAs in order to more accurately assess base-line conditions, verify the FRCC RC Area is in the appropriate phase of the plan, focus coordination efforts, enhance situational awareness and increase communication among the FRCC OEs.
- 6.3.1.2.6 Request (via the FTMS/email and a FRCC Operating Reliability Subcommittee (ORS) conference call) that all FRCC GOPs commence executing their respective procedures for preparing generators for cold

² NERC Reliability Standard IRO-014-3 R1.2

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weather operation, as appropriate.

6.3.1.3 FRCC BAs, FRCC GOPs, and FRCC TOPs

6.3.1.3.1 Notify the FRCC SCEC for any of the conditions listed in Section 6.3.1.

6.3.1.3.2 Proceed with executing their respective procedures for preparing generators for cold weather operation, as appropriate.

6.3.1.3.3 Implement FRCC BA and FRCC TOP public awareness programs if appropriate.

6.3.1.3.4 Notify FRCC BA, FRCC GOP, and FRCC TOP emergency personnel if appropriate.

6.3.1.3.5 Notify local emergency agencies if appropriate.

6.3.1.3.6 Implement short-term generation fuel shortage procedures if appropriate.

6.3.1.3.7 Provide status reports as required by the FRCC SCEC or FRCC RC.

6.3.2 **Energy Emergency Alert 1 – All Available Resources In Use** (as defined in the applicable NERC Reliability Standard)

Note: An EEA 1 through 3 may be initiated by a sudden event or up to one day ahead of the current day, and only by the FRCC RC at 1) the FRCC RC's request, or 2) upon the request of an energy deficient FRCC BA. The FRCC RC may declare whatever alert level is necessary and need not proceed through the alerts sequentially.

An EEA-1 does not necessarily indicate an imminent threat. Therefore, information offered is preparatory in nature and serves only forewarn consumers that conditions exist for the potential of a generating capacity shortage.

An EEA-1 will be declared by the FRCC RC when conditions a, b, or c below are met:

- a) FRCC BA foresees or is experiencing conditions where all available generation resources are committed to meet firm load, firm transactions, and reserve commitments, and is concerned about sustaining its required Contingency Reserves. Also, Non-firm wholesale energy sales (other than those that are recallable to meet reserve requirements) have been curtailed.
- b) Operating Margin < 1.5 times the current FRCC MSSC.
- c) Notification to the FRCC RCSO by an individual FRCC BA or FRCC GOP that their generation fuel supplies may be impacted and may decrease below a level adequate to provide for continuous, uninterrupted service to its firm customers resulting in conditions (a) or (b) above. The declaration of an EEA-1 pursuant to such circumstances shall be declared as an **“Energy Emergency Alert 1/ Short-Term Generation Fuel Availability Concern”**.

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6.3.2.1 FRCC RC Responsibility

- 6.3.2.1.1 Notify FRCC BAs and FRCC TOPs of the EEA-1 condition via FTMS and the FRCC Hotline.
- 6.3.2.1.2 Notify the FRCC SCEC of the EEA-1 condition.
- 6.3.2.1.3 Notify the adjacent RC of the EEA-1 condition.³
- 6.3.2.1.4 Notify other RCs by posting EEA-1 on RCIS.
- 6.3.2.1.5 Review conditions for potential reliability problems.
- 6.3.2.1.6 Convene reliability assessment conference calls, as appropriate.
- 6.3.2.1.7 Perform required communications and actions in accordance with applicable NERC Reliability Standards.

6.3.2.2 FRCC SCEC Responsibility

- 6.3.2.2.1 Notify the FRCC Senior Management, the Chair of the FRCC OC, and the Chair of the FRCC ORS of the EEA-1 condition.
- 6.3.2.2.2 Notify FDEM, SWP, FPSC, NERC, SERC, FRCC BAs, FRCC GOPs, and FRCC TOPs of the EEA-1 condition utilizing the applicable template shown in Attachment A: FRCC SCEC Notification Templates.
- 6.3.2.2.3 Advise natural gas pipeline operators within the FRCC RC Area on issuance of a EEA-1 condition.
- 6.3.2.2.4 If appropriate, initiate multi-day, look-ahead, FRCC Daily Capacity Assessment reporting for FRCC BAs in order to more accurately assess base-line conditions, verify the FRCC RC Area is in the appropriate phase of the plan, focus coordination efforts, enhance situational awareness and increase communication among the FRCC BAs, FRCC GOPs, and FRCC TOPs.

6.3.2.3 FRCC BAs, FRCC GOPs, and FRCC TOPs Responsibility

- 6.3.2.3.1 Implement FRCC BA or FRCC TOP public awareness programs, if appropriate.
- 6.3.2.3.2 Notify FRCC BAs, FRCC GOPs, and FRCC TOPs emergency personnel, if appropriate.
- 6.3.2.3.3 Notify local emergency agencies, if appropriate.

³ NERC Reliability Standard IRO-014-3 R1.2

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6.3.2.3.4 Provide status reports as required by the FRCC SCEC or FRCC RC and inform FRCC SCEC on any information disseminated to the public.

6.3.2.4 FDEM

FDEM will maintain contact with affected counties, FRCC BAs, FRCC GOPs, FRCC TOPs, and/or FRCC SCEC and notify the appropriate state agencies, including the Florida Office of Energy.

6.3.2.5 FPSC

FPSC will maintain communications with FRCC BAs, FRCC GOPs, FRCC TOPs, FRCC SCEC, and FDEM as appropriate.

6.3.2.6 Florida Office of Energy

Florida Office of Energy will maintain contact with FDEM and other parties as appropriate.

6.3.3 EEA-2 Load Management Procedures in Effect (as defined in the applicable NERC Reliability Standard)

An EEA-2 does not necessarily indicate an imminent threat. Therefore, information offered is preparatory in nature and serves only to forewarn consumers that conditions exist for the potential of a generating capacity shortage.

An EEA-2 will be declared by the FRCC RC when conditions a, b, or c below are met:

- a) An FRCC BA is no longer able to provide its customers' expected energy requirements, is in an energy deficient condition and has implemented or plans to implement applicable emergency procedures. These procedures may include, but are not limited to:
 - Public appeals to reduce demand;
 - Voltage reduction;
 - Interruption of Non-Firm Load in accordance with applicable contracts (for emergency, not economic, reasons);
 - Demand side management, and
 - FRCC OE load conservation measures
- b) Firm Operating Margin < the current FRCC MSSC.
- c) Notification from FRCC BAs to the FRCC RCSO that fuel supplies and deliveries (e.g.: for natural gas the pipeline pressure or flow has degraded) on a State-wide basis have decreased and may be below a level adequate to provide for continuous, uninterrupted service to firm customers resulting in conditions (a) or (b) above. The declaration of an EEA-2 pursuant to such circumstances will be declared as an "Energy Emergency Alert 2/ Short-Term Generation Fuel Shortage".

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6.3.3.1 FRCC RC Responsibility

- 6.3.3.1.1 Notify the FRCC BAs and FRCC TOPs of the EEA-2 condition via FTMS and the FRCC State Hotline.
- 6.3.3.1.2 Notify the FRCC SCEC of the EEA-2 condition.
- 6.3.3.1.3 Notify the adjacent RC of the EEA-2 condition.⁴
- 6.3.3.1.4 Notify other RCs by posting EEA-2 on RCIS.
- 6.3.3.1.5 Review conditions for potential reliability problems.
- 6.3.3.1.6 Convene reliability assessment conference calls, as appropriate.
- 6.3.3.1.7 Perform required communications and actions in accordance with applicable NERC Reliability Standards.

6.3.3.2 FRCC SCEC Responsibility

- 6.3.3.2.1 Notify the FRCC Senior Management, the Chair of the FRCC OC, and the Chair of the FRCC ORS of the EEA-2 condition.
- 6.3.3.2.2 Notify FDEM, SWP, FPSC, NERC, SERC, FRCC BAs, FRCC GOPs, and FRCC TOPs of the EEA-2 condition utilizing the applicable template shown in Attachment A: FRCC SCEC Notification Templates.
- 6.3.3.2.3 Advise natural gas pipeline operators within the FRCC RC Area on issuance of the EEA-2 condition.
- 6.3.3.2.4 If appropriate, initiate multi-day, look-ahead, FRCC Daily Capacity Assessment reporting for FRCC BAs in order to more accurately assess base-line conditions, verify the FRCC RC Area is in the appropriate phase of the plan, focus coordination efforts, enhance situational awareness and increase communication among the FRCC BAs, FRCC GOPs, and FRCC TOPs.

6.3.3.3 FRCC BAs, FRCC GOPs, and FRCC TOPs Responsibility

- 6.3.3.3.1 Implement FRCC BAs and FRCC TOPs public awareness programs, if appropriate.
- 6.3.3.3.2 Notify FRCC BAs, FRCC GOPs, and FRCC TOPs emergency personnel, if appropriate.
- 6.3.3.3.3 Notify local emergency agencies, if appropriate.

⁴ NERC Reliability Standard IRO-014-3 R1.2

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6.3.3.3.4 Provide status reports as required by the FRCC SCEC or FRCC RC and inform FRCC SCEC on any information disseminated to the public.

6.3.3.4 FDEM

FDEM will maintain contact with affected counties, FRCC BAs, FRCC GOPs, FRCC TOPs, and/or FRCC SCEC and notify the appropriate state agencies, including the Florida Office of Energy.

6.3.3.5 FPSC

FPSC will maintain communications with FRCC BAs, FRCC GOPs, FRCC TOPs, FRCC SCEC, and FDEM as appropriate.

6.3.3.6 Florida Office of Energy

Florida Office of Energy will maintain contact with FDEM and other parties as appropriate.

6.3.4 **EEA-3 Firm Load Interruption Imminent or In Progress** (as defined in the applicable NERC Reliability Standard)

An EEA-3 can exist when any one FRCC BA cannot supply its firm load obligations or fuel supplies have decreased on a state-wide basis. Messages are specific and call for appropriate safety, conservation and damage control responses to minimize the effects of the crisis. Although this plan summarizes actions and steps to take in the various short-term generation fuel shortage situations, this plan does not diminish the emphasis that should be placed on the need to make use of pre-planned interchange contracts between FRCC BAs, in an effort to minimize use of fuels in short supply.

An EEA-3 will be declared by the FRCC RC when conditions a or b below are met:

- a) A FRCC BA is unable to meet minimum Contingency Reserve requirements and Firm Load interruption is imminent or in progress.
- b) Notification from FRCC BAs to the FRCC RCSO that fuel supplies and deliveries (e.g.: for natural gas the pipeline pressure or flow has degraded) on a state-wide basis have decreased to a level that is not adequate to provide for continuous, uninterrupted service to Firm Load customers. The declaration of an EEA-3 pursuant to such circumstances will be declared as an “Energy Emergency Alert 3/ Short-Term Generation Fuel Shortage”.

6.3.4.1 FRCC RC Area Generation Fuel Supply Response

6.3.4.2 FRCC RC Responsibility

6.3.4.2.1 Notify FRCC BAs and FRCC TOPs of the EEA-3 condition.

6.3.4.2.2 Notify the FRCC SCEC of the EEA-3 condition.

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- 6.3.4.2.3 Notify the adjacent RC of the EEA-3 condition.⁵
- 6.3.4.2.4 Notify other RCs by posting EEA-3 on RCIS.
- 6.3.4.2.5 Review conditions for potential reliability problems.
- 6.3.4.2.6 Convene reliability assessment conference calls as appropriate.
- 6.3.4.2.7 Notify NERC in accordance with applicable NERC Reliability Standards.
- 6.3.4.2.8 The FRCC RC shall initiate fuel inventory and forecast fuel availability status reporting.
- 6.3.4.3 **FRCC SCEC Responsibility**
 - 6.3.4.3.1 Notify the FRCC Senior Management, the Chair of the FRCC OC, and the Chair of the FRCC ORS of the EEA-3 condition.
 - 6.3.4.3.2 Notify FDEM, SWP, FPSC, NERC, SERC, FRCC BAs, FRCC GOPs, and FRCC TOPs of the EEA-3 condition utilizing the applicable template shown in Attachment A: FRCC SCEC Notification Templates.
 - 6.3.4.3.3 Advise natural gas pipeline operators within the FRCC RC Area on issuance of the EEA-3 condition.
 - 6.3.4.3.4 If appropriate, initiate multi-day, look-ahead, FRCC Daily Capacity Assessment reporting for FRCC BAs in order to better assess changing conditions, accurately track the status of the FRCC RC Area, verify appropriate parameters and proper phase designation of the plan. The look-ahead reporting also continues to focus coordination efforts, enhance situational awareness and increase communication among the FRCC BAs, FRCC GOPs, and FRCC TOPs.
- 6.3.4.4 **FRCC BAs, FRCC GOPs, and FRCC TOPs Responsibility**
 - 6.3.4.4.1 If an EEA-3 is declared, FRCC BAs and FRCC GOPs will immediately begin providing fuel inventory and forecast fuel availability data to the FRCC SCEC in order to establish an overall fuel supply assessment of the FRCC RC Area and begin mitigating actions as practicable.
 - 6.3.4.4.2 Mitigating actions may include specific reliability assessments to improve the effectiveness and efficient use of available FRCC RC Area fuel supplies and fuel delivery infrastructure. The assessments may also be used to develop detailed FRCC recommendations of governmental agency actions in support of the FRCC BAs and FRCC TOPs as well as coordinating assistance requests to the adjacent RC.⁶

⁵ NERC Reliability Standard IRO-014-3 R1.2

⁶ NERC Reliability Standard IRO-014-3 R1.2

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6.3.4.4.3 When implementing firm load reduction, facilities essential to the health, safety, or welfare of the community should be considered in individual FRCC BA and FRCC TOP 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
- c) Natural gas compressor station facilities
- d) Operation, guidance control, and navigation services for public transportation and shipping, including rail, mass transit, licensed commercial air transportation, and other forms of transportation
- e) Communication services, including telephone and telegraph systems, television, and radio stations
- f) Water supply and sanitation services, including waterworks, pumping and sewage disposal activities which cannot be reduced without seriously affecting public health
- g) Federal activities essential for national defence and state and local activities essential for providing emergency services.

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

6.3.4.4.4 Although not within the definition of essential services, the special situation of life sustaining medical equipment may be considered on a case-by-case basis in the individual FRCC BA and FRCC TOP plans. Life sustaining medical equipment is defined as equipment:

- 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 FRCC BA and FRCC TOP 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,

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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.

6.3.4.4.5 Implement applicable FRCC BAs, FRCC GOPs, and FRCC TOPs emergency plans where appropriate.

6.3.4.4.6 Notify the FRCC RC of sudden and unexpected events.

6.3.4.4.7 Notify FRCC BAs, FRCC GOPs, and FRCC TOPs emergency personnel, if appropriate.

6.3.4.4.8 Implement short-term generation fuel shortage procedures as applicable.

6.3.4.4.9 All efforts should be made, with appropriate deference to economic dispatch, to preserve fuel types with limited availability or limited inventory, from both an individual FRCC BA perspective and a collective FRCC RC Area perspective.

6.3.4.4.10 Provide status reports as required by the FRCC SCEC or FRCC RC and inform FRCC SCEC on any information disseminated to the public.

6.3.4.5 FDEM

FDEM will maintain contact with affected counties, FRCC BAs, FRCC GOPs, FRCC TOPs, and/or FRCC SCEC and notify the appropriate state agencies, including the Florida Office of Energy. If necessary, FDEM will prepare for activation of emergency public information and prepare for sheltering of evacuees.

6.3.4.6 FPSC

FPSC will maintain communications with FRCC BAs, FRCC GOPs, FRCC TOPs, FRCC SCEC and FDEM as appropriate.

6.3.4.7 Florida Office of Energy

Florida Office of Energy will maintain contact with FDEM and other parties as appropriate.

6.3.5 EEA-0 – Termination of EEA Condition (as defined in the applicable NERC Reliability Standard)

An EEA-0 will be declared by the FRCC RC when the energy deficient FRCC BA is able to meet its Load and Operating Reserve requirements.

6.3.5.1 FRCC RC Responsibility

6.3.5.1.1 Notify the FRCC BAs and FRCC TOPs of the termination of the EEA via FTMS and the FRCC State Hotline.

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- 6.3.5.1.2 Notify the FRCC SCEC of the termination of the EEA.
- 6.3.5.1.3 Notify the adjacent RC of the termination of the EEA.⁷
- 6.3.5.1.4 Notify other RCs by posting EEA-0 on RCIS.
- 6.3.5.1.5 Review conditions for potential reliability problems.
- 6.3.5.1.6 Convene reliability assessment conference calls as appropriate.
- 6.3.5.1.7 Notify NERC in accordance with applicable NERC Reliability Standards.
- 6.3.5.2 **FRCC SCEC Responsibility**
 - 6.3.5.2.1 Notify the FRCC Senior Management, the Chair of the FRCC OC, and the Chair of the FRCC ORS of the termination of the Energy Emergency Alert condition.
 - 6.3.5.2.2 Notify FDEM, SWP, FPSC, NERC, SERC, FRCC BAs, FRCC GOPs, and FRCC TOPs of the EEA-0 utilizing the applicable template shown in Attachment A: FRCC SCEC Notification Templates.
 - 6.3.5.2.3 Advise natural gas pipeline operators within the FRCC RC Area on EEA-0 condition.
- 6.3.5.3 **FRCC BAs and FRCC TOPs Responsibility**
 - 6.3.5.3.1 Notify the FRCC RC that Firm Load has been restored.
 - 6.3.5.3.2 Provide status reports as required by the FRCC SCEC or FRCC RC.
- 6.3.5.4 **FDEM**

FDEM will maintain contact with affected counties, FRCC BAs, FRCC GOPs, FRCC TOPs, and/or FRCC SCEC and notify the appropriate state agencies, including the Florida Office of Energy. If necessary, FDEM will continue to evaluate the need for activation of emergency public information and sheltering of evacuees.
- 6.3.5.5 **FPSC**

FPSC will maintain communications with FRCC BAs, FRCC GOPs, FRCC TOPs, FRCC SCEC and FDEM as appropriate.
- 6.3.5.6 **Florida Office of Energy**

Florida Office of Energy will maintain contact with the FDEM and other parties as appropriate.

⁷ NERC Reliability Standard IRO-014-3 R1.2

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6.4 **Maintaining Emergency Preparedness**

The FRCC OC has the overall responsibility to maintain emergency preparedness. Each year the FRCC OC will review the current preparedness program to determine effectiveness of that program in light of current events and past experiences. This review will include a training exercise which will be held annually.

The FRCC OC is responsible for coordinating the training exercise. The FDEM, the FPSC staff, and representatives from the gas pipeline(s) in the state are requested to participate in the exercises. The training session should include personnel with a major role in the coordination and/or implementation of the activities described within this plan. Such sessions shall include a review of the responsibilities of each individual party along with table-top exercises consisting of one or more possible emergency scenarios.

A group chaired by the FRCC OC Chair and made up of the FRCC SCEC, and selected FRCC OC members shall critique the exercises called by the plan versus experiences gained through the year. This group will assess the adequacy of this *FRCC Plan* and will make recommendations, if any, for improvement or revisions.

7.0 Document Distribution/Notification Requirements

7.1 **Distribution/Notification Timeframe**

This document should be distributed to FRCC OEs within 10 business days of version approval by the FRCC Board of Directors and FPSC Adoption.

7.2 **NERC Required Distribution/Notification List**

7.2.1 FRCC Southeastern RC⁸

7.2.1.1 Distribute to Southeastern RC representatives within 30 days of an update.⁹

7.2.1.2 Obtain written agreement from Southeastern RC representative for each update.¹⁰

7.3 **Additional Distribution/Notification List**

7.3.1 FRCC Board of Directors (Plan Modifications Only)

7.3.2 FPSC (Plan Modifications Only)

7.3.3 FRCC OC

7.3.4 FRCC ORS

⁸ NERC Reliability Standard IRO-014-3 R2, R2.2, R2.3

⁹ NERC Reliability Standard IRO-014-3 R2.3

¹⁰ NERC Reliability Standard IRO-014-3 R2.2

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- 7.3.5 RC Agent (Director System Operation and Training Staff)
- 7.3.6 FRCC BAs
- 7.3.7 FRCC GOPs
- 7.3.8 FRCC TOPs
- 7.3.9 FRCC SCEC

8.0 References

- 8.1 **NERC Standard EOP-011-2 Emergency Preparedness and Operations**
- 8.2 **NERC Standard IRO-014-3 Coordination Among Reliability Coordinators**
- 8.3 ***Regional Process for Determination of Most Severe Single Contingency (FRCC-MS-OPRC-008)***
- 8.4 ***FRCC Document Control Policy and Procedure (FRCC-MS-ISD-014)***

9.0 Attachments

- 9.1 **Attachment A: FRCC SCEC Notification Templates**
- 9.2 **Attachment B: Notification/Communication Check Sheet**
- 9.3 **Attachment C: Communication Flow Chart**

10.0 Review and Modification History

Review and Modification Log			
Date	Version Number	Description of Review or Modification	Sections Affected
9/15/2023	18	Revised the FTMS Definition and references to EOP-011-2.	Sections 6 and 8.
11/15/2022	17	Grammatical errors and additional language identifying the FRCC BA responsibility to notify the FRCC RSCO gas pipeline pressure or flow is degraded. Identified the RC Agent’s gas pipeline overview Blue Florida display.	All
03/14/2022	16	Annual review. Added Panama City temperatures and other clarifications.	Section 6.0
08/03/2021	15	Updated document to clarify responsibilities and communication/notifications.	All
02/14/2021	14	Performed annual review and revised for grammatical consistency and to incorporate new/revised FRCC definitions.	All

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02/14/2020	13	Performed annual review with no revisions.	All
03/14/2019	12	Performed annual review and minor grammatical edits. Deleted the references to NERC Reliability Standards EOP-001-2.1b and EOP-002-3.1 due to their respective retirements.	All
03/14/2018	11	Performed annual review and minor grammatical edits.	All
09/26/2017	10	Modified document classification with new version number. Effective date of procedure was not changed.	Pages 1 & 2
02/15/2017	9	Reviewed document and made minor modification to reflect review cycle and distribution requirements per NERC Reliability Standard IRO-014-3 enforceable 04/01/2017. On May 30, 2017, Board approved granting full approval authority of this document to the OC with the understanding that significant revisions will be presented to the Board for their input.	7.0
09/26/2016	8	Revised the Advisory/Alert activation process, updated the responsibility titles and aligned the procedure with current processes, currently enforceable NERC Reliability Standard EOP-002-3.1, and the NERC Reliability Standard EOP-011-1 to be effective on April 1, 2017.	All
06/06/2016	7	Moved legacy procedure into new template which required modifying the entire structure and revised document to align with NERC Reliability Standard EOP-002-3.1.	All
09/29/2015	6	Existing FPSC Plan was placed in new template to capture review cycles and document distribution requirements.	All
09/03/2015	6	The Generating Capacity Shortage Drill was conducted on September 3, 2015. In addition, a group chaired by the FRCC OC Chair and made up of the SCEC, and selected FRCC OC members critiqued the exercises called by the plan versus experiences gained through the year. The group assessed the adequacy of the FRCC Generating Capacity Shortage Plan and made minor recommendations not requiring a re-write of the current plan.	N/A
06/04/2014	6	The Generating Capacity Shortage Drill was conducted on June 4, 2014. In addition, a group chaired by the FRCC OC Chair and made up of the SCEC, and selected FRCC OC members critiqued the exercises called by the plan versus experiences gained through the year. The group assessed the adequacy of the FRCC Generating Capacity Shortage Plan and made minor recommendations not requiring a re-write of the current plan.	N/A
12/05/2013	6	The Generating Capacity Shortage Drill was conducted on December 5, 2013. In addition, a group chaired by the FRCC OC Chair and made up of the SCEC, and selected FRCC OC members critiqued the exercises called by the plan versus experiences gained through the year. The group assessed the adequacy of the FRCC Generating Capacity Shortage Plan and made minor recommendations not requiring a re-write of the current plan.	N/A
12/10/2012	6	The Generating Capacity Shortage Drill was conducted on December 10, 2012. In addition, a group chaired by the FRCC OC Chair and made up of the SCEC, and selected FRCC OC members critiqued the exercises called by the plan versus experiences gained through the year. The group assessed the adequacy of the FRCC Generating Capacity Shortage Plan and made minor recommendations not requiring a re-write of the current plan.	N/A

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12/01/2011	6	The Generating Capacity Shortage Drill was conducted on December 1, 2011. In addition, a group chaired by the FRCC OC Chair and made up of the SCEC, and selected FRCC OC members critiqued the exercises called by the plan versus experiences gained through the year. The group assessed the adequacy of the FRCC Generating Capacity Shortage Plan and made minor recommendations not requiring a re-write of the current plan.	N/A
11/04/2010	6	The Generating Capacity Shortage Drill was conducted on November 4, 2010. In addition, a group chaired by the FRCC OC Chair and made up of the SCEC, and selected FRCC OC members critiqued the exercises called by the plan versus experiences gained through the year. The group assessed the adequacy of the FRCC Generating Capacity Shortage Plan and made minor recommendations not requiring a re-write of the current plan.	N/A
12/11/2009	6	The Generating Capacity Shortage Drill was conducted on December 11, 2009. In addition, a group chaired by the FRCC OC Chair and made up of the SCEC, and selected FRCC OC members critiqued the exercises called by the plan versus experiences gained through the year. The group assessed the adequacy of the FRCC Generating Capacity Shortage Plan and made minor recommendations not requiring a re-write of the current plan.	N/A

11.0 Disclaimer

The information, analysis, requirements and/or procedures described herein are not intended to be fully inclusive of all activities that may support compliance to a specific NERC Reliability Standard referenced or implied within the document. Nevertheless, it is the FRCC entities' and other users' responsibility to ensure the most recent version of this document is being used in conjunction with other applicable procedures, including, but not limited to, the applicable NERC Reliability Standards as they may be revised from time to time.

The use of this information in any manner constitutes an agreement to hold harmless and indemnify FRCC and FRCC Member Systems, and FRCC Staff, FRCC Committees and FRCC Member Employees from all claims of any damages. In no event shall FRCC and FRCC Member Systems, and FRCC Staff and FRCC Member Employees be liable for actual, indirect, special or consequential damages in connection with the use of this information.

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Attachment A: FRCC SCEC Notification Templates

Generating Capacity Advisory Notification Template

At 00:00 today through [e.g., Tuesday], [Month] [Day] at 00:00, a *Generating Capacity Advisory* is being declared by the FRCC RC on behalf of the FRCC RC Area.

Per the [FRCC Generating Capacity Shortage Plan](#), the *Generating Capacity Advisory* is being declared because the FRCC RC Area Operating Margin is limited [*select 1 of the events listed below*]

- *due to high load forecasts resulting from high temperatures.*
- Or
- *the FRCC RC Area Operating Margin is less than two times the current FRCC MSSC of 1450 MW.*

This notification is primarily for informational purposes due to the forecasted hot temperatures and does not indicate a current threat of an Energy Emergency Alert. No action is required by members at this time.

EEA1 Notification Template

At 00:00 today, an *Energy Emergency Alert 1 (EEA1)* was declared by the FRCC RC on behalf of an FRCC BA.

Per the [FRCC Generating Capacity Shortage Plan](#), the *EEA1* is being declared because an FRCC entity foresees or is experiencing conditions where all available generation resources are committed to meet firm load, firm transactions, and reserve commitments, and is concerned about sustaining its required Contingency Reserves.

This notification is primarily for informational purposes and does not indicate an imminent threat of load interruption. No action is required at this time.

EEA2 Notification Template

Note: The FRCC SCEC will choose one of the appropriate template language below based on the entrance condition of the EEA2.

- 1) At 00:00 today, an Energy Emergency Alert 2 (EEA2) [will be or was] declared by the FRCC RC on behalf of the FRCC RC Area due to the FRCC RC Area Operating Margin being less than the current FRCC Most Severe Single Contingency of 1450 MW.

This notification is primarily for informational purposes due to the reduced Operating Margin and does not indicate an imminent threat of load interruption. No action is required at this time.

- 2) Per the FRCC Generating Capacity Shortage Plan, the EEA2 is being declared because an FRCC entity is no longer able to provide its customers' expected energy requirements. The FRCC entity has implemented or plans to implement applicable emergency procedures which may include public appeals to reduce

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demand, voltage reduction, demand side management, load conservation measures, and/or interruption of Non-Firm Load in accordance with applicable contracts.

This notification is primarily for informational purposes due to the reduced Operating Margin and does not indicate an imminent threat of load interruption. No action is required at this time.

- 3) Because the FRCC region is experiencing a short-term generation fuel shortage on a State-wide basis. Fuel supplies have decreased and may be below a level adequate to provide for continuous, uninterrupted service to firm customers.

This notification is primarily for informational purposes due to the reduced Operating Margin and does not indicate an imminent threat of load interruption. No action is required at this time.

EEA3 Notification Template

Note: The FRCC SCEC will choose one of the appropriate template language below based on the entrance condition of the EEA3.

- 1) At 1600 today, an *Energy Emergency Alert 3 (EEA3)* will be declared by the FRCC RC on behalf of the FRCC RC Area. Per the [FRCC Generating Capacity Shortage Plan](#), the *EEA3* is being declared because an FRCC entity unable to meet minimum Contingency Reserve requirements and Firm Load interruption is imminent or in progress. The FRCC entity has already implemented applicable emergency procedures which may have included public appeals to reduce demand, voltage reduction, demand side management, load conservation measures, and/or interruption of Non-Firm Load in accordance with applicable contracts.

FRCC OE(s) are performing the following actions to mitigate the capacity shortfall:

Identify Action

- 2) Per the [FRCC Generating Capacity Shortage Plan](#), the *EEA3* is being declared because the FRCC region is experiencing a short-term generation fuel shortage on a State-wide basis. Fuel supplies and deliveries on a State-wide basis have decreased to a level that is not adequate to provide for continuous, uninterrupted service to Firm Load customers.

FRCC OE(s) are performing the following actions to mitigate the capacity shortfall:

Identify Action

EEA0 Notification Template

At 1600 today, the FRCC Reliability Coordinator declared an *Energy Emergency Alert 0 (EEA0)* terminating the Energy Emergency Alert previously declared.

Classification: Public

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Attachment B: Notification/Communication Check Sheet

Generating Capacity Shortage Plan (FRCC-MS-OPRC-015)			
FRCC Staff/BA/GOP/TOP Check Sheet for Communications/Notifications			
Date: / /		Name (SCEC/OE/DOO):	
Steps	Notifications	Check	Time
FRCC Generating Capacity Advisory (GCA)			
FRCC State Capacity Emergency Coordinator (SCEC)			
SCEC-1	Notify FRCC Senior Management, Chair of the OC & ORS of the GCA condition		
SCEC-2	Inform FRCC GOPs (via FTMS & a ORS conference call) to prepare generators for cold weather operations (winterization procedures)		
FRCC BAs, FRCC GOPs, FRCC TOPs			
OE-1	Notify the FRCC SCEC for any of the following conditions: a. Temperatures below 21° for Jacksonville, 31° for Tampa and 40° for Miami b. Operating Margin is less than two times the current MSSC c. Natural Gas production disruptions or pipeline delivery disruptions		
OE-2	Notify FRCC BAs, GOPs and TOPs emergency personnel, if appropriate		
OE-3	Notify local emergency agencies, if appropriate		
FRCC Director of Operations (DoO)			
DoO-1	Advise the Florida Department of Emergency Management (FDEM) of the GCA condition		
DoO-2	Advise the State Warning Point (SWP) of the GCA condition		
DoO-3	Notify the FRCC BAs, GOPs and TOPs communications personnel of the GCA condition		
DoO-4	Advise the Florida Public Service Commission (FPSC) of the GCA status by providing the same information given to the SWP		
DoO-5	Advise natural gas pipeline operators within the FRCC RC Area on the issuance of the GCA		
Energy Emergency Alerts (EEA)			
EEA Level 1 – All Available Resources In Use			
FRCC State Capacity Emergency Coordinator (SCEC)			
SCEC-1	Notify FRCC Senior Management, Chair of the FRCC OC and Chair of the FRCC ORS of the EEA-1 condition		
SCEC-2	Notify FRCC BAs and FRCC TOPs of the EEA-1 condition		
SCEC-3	Confirm FRCC RCSO has communicated with the SeRC		
FRCC BAs, FRCC GOPs, FRCC TOPs			
OE-1	Notify FRCC BAs, GOPs and TOPs emergency personnel, if appropriate		
OE-2	Notify local emergency agencies, if appropriate		
FRCC Director of Operations (DoO)			

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DoO-1	Advise the Florida Department of Emergency Management (FDEM) of the EEA-1 condition		
DoO-2	Advise the State Warning Point (SWP) of the EEA-1 condition		
DoO-3	Notify FRCC OEs communications personnel of the EEA-1 condition		
DoO-4	Advise the Florida Public Service Commission (FPSC) of the EEA-1 condition by providing the same information given to the SWP		
DoO-5	Advise natural gas pipeline operators within the FRCC RC Area on the issuance of the EEA-1		
EEA Level 2 – Load Management Procedures in Effect			
FRCC State Capacity Emergency Coordinator (SCEC)			
SCEC-1	Notify FRCC Senior Management, Chair of the FRCC OC and Chair of the FRCC ORS of the EEA-2 condition		
SCEC-2	Notify FRCC BAs and FRCC TOPs of the EEA-2 condition		
SCEC-3	Confirm FRCC RCSO has communicated with the SeRC		
FRCC BAs, FRCC GOPs, FRCC TOPs			
OE-1	Notify FRCC BAs, GOPs and TOPs emergency personnel, if appropriate		
OE-2	Notify local emergency agencies, if appropriate		
FRCC Director of Operations (DoO)			
DoO-1	Advise the Florida Department of Emergency Management (FDEM) of the EEA-2 condition		
DoO-2	Advise the State Warning Point (SWP) of the EEA-2 condition		
DoO-3	Notify FRCC OEs communications personnel of the EEA-2 condition		
DoO-4	Advise the Florida Public Service Commission (FPSC) of the EEA-2 condition by providing the same information given to the SWP		
DoO-5	Advise natural gas pipeline operators within the FRCC RC Area on the issuance of the EEA-2		
EEA Level 3 – Firm Load Interruption imminent or in progress			
FRCC State Capacity Emergency Coordinator (SCEC)			
SCEC-1	Notify FRCC Senior Management, Chair of the FRCC OC and Chair of the FRCC ORS of the EEA-3 condition		
SCEC-2	Notify FRCC BAs and FRCC TOPs of the EEA-3 condition		
SCEC-3	Confirm FRCC RCSO has communicated with the SeRC		
FRCC BAs, FRCC GOPs, FRCC TOPs			
OE-1	Notify FRCC BAs, GOPs and TOPs emergency personnel, if appropriate		
OE-2	Notify the FRCC RC of sudden and unexpected events		
FRCC Director of Operations (DoO)			
DoO-1	Advise the Florida Department of Emergency Management (FDEM) of the EEA-3 condition		
DoO-2	Advise the State Warning Point (SWP) of the EEA-3 condition		
DoO-3	Notify FRCC OEs communications personnel of the EEA-3 condition		
DoO-4	Advise the Florida Public Service Commission (FPSC) of the EEA-3 condition by providing the same information given to the SWP		
DoO-5	Advise the Florida Office of Energy of the EEA-3 condition		

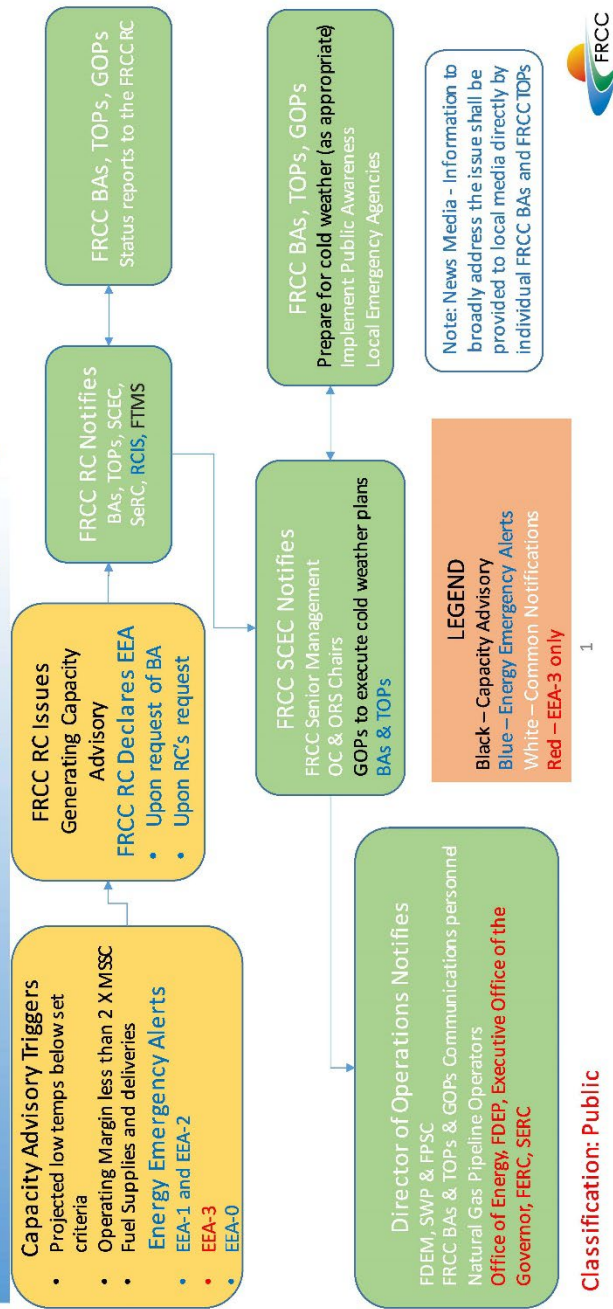
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DoO-6	Advise natural gas pipeline operators within the FRCC RC Area on the issuance of the EEA-3				
DoO-7	Notify FRCC Senior Management and the designated individuals in the following agencies or offices as appropriate: a. Environmental Protection Agency (EPA) b. Executive Office of the Governor c. Federal Energy Regulatory Commission (FERC) d. SERC Reliability Corporation (SERC)				
EEA Level 0 – Termination of EEA condition					
FRCC State Capacity Emergency Coordinator (SCEC)					
SCEC-1	Notify FRCC Senior Management, Chair of the FRCC OC and Chair of the FRCC ORS of the termination of the EEA condition				
SCEC-2	Notify FRCC BAs and FRCC TOPs of the termination of the EEA condition				
FRCC BAs, FRCC GOPs, FRCC TOPs					
OE-1	Notify the FRCC RC that Firm Load has been restored				
FRCC Director of Operations (DoO)					
DoO-1	Advise the Florida Department of Emergency Management (FDEM) of the EEA-0 condition				
DoO-2	Advise the State Warning Point (SWP) of the EEA-0 condition				
DoO-3	Advise the Florida Public Service Commission (FPSC) of the EEA-0 condition				

Classification: Public

Attachment C: Communication Flow Chart

FRCC Generating Capacity Advisory FRCC Energy Emergency Alerts



Classification: Public

State of Florida



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

-M-E-M-O-R-A-N-D-U-M-

DATE: March 26, 2024

TO: Jon Rubottom, Senior Attorney, Office of the General Counsel

FROM: Sevini K. Guffey, Public Utility Analyst IV, Division of Economics *SKG*

RE: Statement of Estimated Regulatory Costs (SERC) for Recommended Revisions to Rule 25-6.0183, Florida Administrative Code

The purpose of this rulemaking initiative is to update Commission Rule 25-6.0183 Electric Utility Procedures for Generating Capacity Shortage Emergencies, F.A.C., which applies to investor owned, rural electric cooperative, and municipal electric utilities. The proposed update is to incorporate by reference the most current version of the Florida Reliability Coordinating Council (FRCC) Generating Capacity Shortage Plan dated November 1, 2023. The proposed rule change would also enable entities to electronically access the Plan via a new hyperlink in the Commission's rule or by contacting the Commission's Division of Engineering.

The attached SERC addresses the considerations required pursuant to Section 120.541, Florida Statutes (F.S.). No workshop was requested in conjunction with the proposed rule revisions. No regulatory alternatives were submitted pursuant to paragraph 120.541(1)(a), F.S. None of the impact/cost criteria established in paragraph 120.541(2)(a), (d), and (e), F.S., will be exceeded as a result of the proposed revisions.

cc: SERC File

FLORIDA PUBLIC SERVICE COMMISSION
STATEMENT OF ESTIMATED REGULATORY COSTS
**Rule 25-6.0183, F.A.C., Electric Utility Procedures for Generating Capacity
Shortage Emergencies**

1. Will the proposed rule have an adverse impact on small business? [120.541(1)(b), F.S.] (See Section E., below, for definition of small business.)

Yes No

If the answer to Question 1 is "yes", see comments in Section E.

2. Is the proposed rule likely to directly or indirectly increase regulatory costs in excess of \$200,000 in the aggregate in this state within 1 year after implementation of the rule? [120.541(1)(b), F.S.]

Yes No

If the answer to either question above is "yes", a Statement of Estimated Regulatory Costs (SERC) must be prepared. The SERC shall include an economic analysis showing:

A. Whether the rule directly or indirectly:

(1) Is likely to have an adverse impact on any of the following in excess of \$1 million in the aggregate within 5 years after implementation of the rule? [120.541(2)(a)1, F.S.]

Economic growth Yes No

Private-sector job creation or employment Yes No

Private-sector investment Yes No

(2) Is likely to have an adverse impact on any of the following in excess of \$1 million in the aggregate within 5 years after implementation of the rule? [120.541(2)(a)2, F.S.]

Business competitiveness (including the ability of persons doing business in the state to compete with persons doing business in other states or domestic markets) Yes No

Productivity Yes No

Innovation Yes No

(3) Is likely to increase regulatory costs, including any transactional costs, in excess of \$1 million in the aggregate within 5 years after the implementation of the rule? [120.541(2)(a)3, F.S.]

Yes No

Economic Analysis: The purpose of the proposed amendments to Rule 25-6.0183, F.A.C., is to incorporate by reference the most current version of the Florida Reliability Coordinating Council's (FRCC) Generating Capacity Shortage Plan (Plan), dated November 1, 2023. The amendment will enable entities to electronically access the Plan via a new hyperlink in the Commission's rule or by contacting the Commission's Division of Engineering.

B. A good faith estimate of: [120.541(2)(b), F.S.]

(1) The number of individuals and entities likely to be required to comply with the rule.

Potentially affected entities include 57 electric utilities. Electric utilities, which come under the jurisdiction of the Commission in the future also, would be required to comply.

(2) A general description of the types of individuals likely to be affected by the rule.

Florida's 57 electric utilities are comprised of 4 investor-owned utilities, 33 municipally owned electric utilities, 17 rural electric cooperatives, and 3 independent wholesale power generation and distribution companies. Florida's 4 investor-owned electric utilities serve approximately 8.4 million customers.

[Sources: (1) Master Commission Directory, PSC- March 2024, (2) Facts and Figures of the Florida Utility Industry, PSC-April 2023]

C. A good faith estimate of: [120.541(2)(c), F.S.]

(1) The cost to the Commission to implement and enforce the rule.

- None. To be done with the current workload and existing staff.
- Minimal. Provide a brief explanation.
- Other. Provide an explanation for estimate and methodology used.

(2) The cost to any other state and local government entity to implement and enforce the rule.

- None. The rule will only affect the Commission.
- Minimal. Provide a brief explanation.
- Other. Provide an explanation for estimate and methodology used.

(3) Any anticipated effect on state or local revenues.

- None.
- Minimal. Provide a brief explanation.
- Other. Provide an explanation for estimate and methodology used.

D. A good faith estimate of the transactional costs likely to be incurred by individuals and entities (including local government entities) required to comply with the requirements of the rule. "Transactional costs" include filing fees, the cost of obtaining a license, the cost of equipment required to be installed or used, procedures required to be employed in complying with the rule, additional operating costs incurred, the cost of monitoring or reporting, and any other costs necessary to comply with the rule. [120.541(2)(d), F.S.]

- None. The rule will only affect the Commission.
- Minimal. Provide a brief explanation. The amendment will enable entities to electronically access the Plan via a new hyperlink in the Commission's rule or by contacting the Commission's Division of Engineering.
- Other. Provide an explanation for estimate and methodology used.

E. An analysis of the impact on small businesses, and small counties and small cities: [120.541(2)(e), F.S.]

(1) "Small business" is defined by Section 288.703, F.S., as an independently owned and operated business concern that employs 200 or fewer permanent full-time employees and that, together with its affiliates, has a net worth of not more than \$5 million or any firm based in this state which has a Small Business Administration 8(a) certification. As to sole proprietorships, the \$5 million net worth requirement shall include both personal and business investments.

- No adverse impact on small business.

- Minimal. Provide a brief explanation.
- Other. Provide an explanation for estimate and methodology used.

(2) A "Small City" is defined by Section 120.52, F.S., as any municipality that has an unincarcerated population of 10,000 or less according to the most recent decennial census. A "small county" is defined by Section 120.52, F.S., as any county that has an unincarcerated population of 75,000 or less according to the most recent decennial census.

- No impact on small cities or small counties.
- Minimal. Provide a brief explanation.
- Other. Provide an explanation for estimate and methodology used.

F. Any additional information that the Commission determines may be useful. [120.541(2)(f), F.S.]

- None.

Additional Information:

G. A description of any regulatory alternatives submitted and a statement adopting the alternative or a statement of the reasons for rejecting the alternative in favor of the proposed rule. [120.541(2)(g), F.S.]

- No regulatory alternatives were submitted.
- A regulatory alternative was received from
 - Adopted in its entirety.
 - Rejected. Describe what alternative was rejected and provide a statement of the reason for rejecting that alternative.