

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Generic investigation
into the aggregate electric
utility reserve margins planned
for Peninsular Florida.

DOCKET NO. 981890-EU
FILED: MARCH 1, 1999

STAFF'S PRELIMINARY LIST OF ISSUES

The Staff of the Florida Public Service Commission hereby files its Preliminary List of Issues.

Issue 1: Until historically used probabilistic reliability indices again become the driving force for capacity additions, or experience is obtained with other probabilistic methods, should the Commission establish a Peninsula Florida minimum percent planning reserve margin level using the following general formula

$$\%PRM = [(C - L)/L] * 100$$

where C stands for capacity available at time of peak and L stands for seasonal firm peak demand?

Issue 2: Which resources should be included as capacity available at time of peak (C) for purposes of calculating Peninsula Florida percent planning reserve margin? (Ex. QF capacity, non-power plant site act covered merchant capacity, and firm and non-firm purchases) Should equipment delays be taken into account?

ACK _____
AFA _____
APP _____
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CMU _____
CTR _____
EAG _____

Issue 3: How should seasonal firm peak demand (L) be determined for purposes of calculating Peninsula Florida percent planning reserve margin? Over what period (hourly, 30 min., 15 min.) should the seasonal firm peak demand be determined? What is the proper method of accounting for the diversity of the individual utilities' seasonal firm peak demands and load uncertainty? Is sufficient load uncertainty data available and being used?

LEG _____
LIN 5 _____
CPC _____
ROH _____
SEC 1 _____
WAS _____
OTH _____

Issue 4: What is the appropriate amount of non-firm load to be included as part of a Peninsula Florida minimum percent planning reserve margin?

DOCUMENT NUMBER-DATE

02597 MAR-1 99

FPSC-RECORDS/REPORTING

- Issue 5:** What is the appropriate method for allocating a Peninsula Florida minimum percent planning reserve margin among individual utilities?
- Issue 6:** Does the City of Homestead appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 7:** Does the City of Lake Worth Utilities appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 8:** Does the City of Lakeland appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 9:** Does the City of Ocala appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 10:** Does the City of St. Cloud appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 11:** Does the City of Tallahassee appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 12:** Does the City of Vero Beach appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 13:** Does Florida Power & Light Company appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?

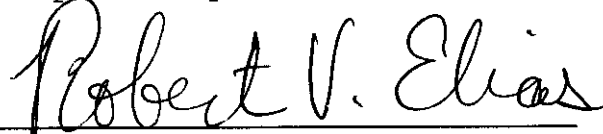
- Issue 14:** Does Florida Power Corporation appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 15:** Does the Florida Keys Electric Cooperative Association appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 16:** Does the Florida Municipal Power Agency appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 17:** Does the Fort Pierce Utilities Authority appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 18:** Does the Gainesville Regional Utilities appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 19:** Does the Jacksonville Electric Authority appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 20:** Does the Kissimmee Utility Authority appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 21:** Does the Orlando Utilities Commission appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?

- Issue 22:** Does Seminole Electric Cooperative appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 23:** Does Tampa Electric Company appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 24:** Does the Utility Board of the City of Key West appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 25:** Does the Utilities Commission of New Smyrna Beach appropriately account for historical winter and summer temperatures when forecasting seasonal peak loads for purposes of establishing a minimum percent planning reserve margin?
- Issue 26:** Should the Commission establish pricing thresholds for purposes of limiting cost recovery at which a utility may interrupt firm or non-firm load to avoid a power purchase or make a power sale? If so, what should this pricing threshold be for each utility?
- Issue 27:** What is the appropriate Peninsula Florida minimum percent planning reserve margin to provide adequate and reliable source of energy for operational and emergency purposes in Florida? With Peninsula Florida reserves at this level, what percent of firm load would be unserved when another Christmas 1989 freeze occurs?

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Dated this 1st day of March, 1999.

Respectfully submitted,



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CERTIFICATE OF SERVICE

I HEREBY CERTIFY that one true and correct copy of Staff's Preliminary List of Issues has been furnished by U. S. Mail this 1st day of March, 1999, to the following:

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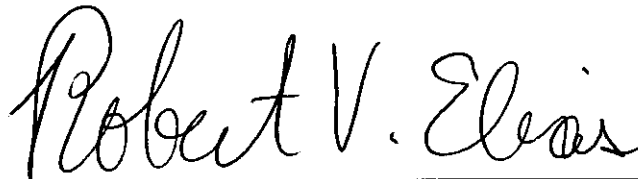
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