

VOTE SHEET

March 18, 2008

Docket No. 070650-EI – Petition to determine need for Turkey Point Nuclear Units 6 and 7 electrical power plant, by Florida Power & Light Company.

Issue 1: Is there a need for the proposed generating units, taking into account the need for electric system reliability and integrity, as this criterion is used in Section 403.519(4), Florida Statutes?

Recommendation: Yes. FPL has a need for 8,350 MW of additional capacity in the 2011 through 2020 period. Regardless of the size of each unit (1,100 MW or 1,520 MW) the addition of Turkey Point 6 and 7 will provide some, but not all, of the needed capacity to maintain system reliability and integrity and meet the 20% reserve margin. Even if customer growth were assumed to be 0% for five years, the evidence shows that FPL would still have a reliability need for additional generation capacity by the year 2016.

APPROVED

COMMISSIONERS ASSIGNED: All Commissioners

COMMISSIONERS' SIGNATURES

MAJORITY

DISSENTING

Neil A. Slog

Katrina J. McMurrian

[Signature]

[Signature]

REMARKS/DISSENTING COMMENTS:

DOCUMENT NUMBER-DATE

02012 MAR 18 8

FPSC-COMMISSION CLERK

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Issue 2: Is there a need for the proposed generating units, taking into account the need for fuel diversity, as this criterion is used in Section 403.519(4), Florida Statutes?

Recommendation: Yes. If natural gas-fueled generation were to be added to FPL's system instead of Turkey Point 6 and 7, FPL's natural gas contribution to its system would increase by approximately 50% to approximately 75% by 2021. Without Turkey Point 6 and 7, FPL's dependence on natural gas would make FPL more prone to natural gas supply disruptions and to fuel price volatility.

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Issue 3: Is there a need for the proposed generating units, taking into account the need for base-load generating capacity, as this criterion is used in Section 403.519(4), Florida Statutes?

Recommendation: Yes. FPL's base-load needs are projected to increase by approximately 6,000 MW by the year 2020. Even with the addition of Turkey Point 6 and 7, FPL's base-load needs will continue to be met primarily with natural gas-fired combined cycle generators.

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Issue 4: Is there a need for the proposed generating units, taking into account the need for adequate electricity at a reasonable cost, as this criterion is used in Section 403.519(4), Florida Statutes?

Recommendation: Yes. The cost estimates presented for capital costs, fuel costs, emission costs, water, and waste disposal appear reasonable.

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Issue 5: Are there any renewable energy sources and technologies or conservation measures taken by or reasonably available to Florida Power & Light Company which might mitigate the need for the proposed generating units?

Recommendation: No. FPL has identified an incremental increase of 1,899 MW of DSM summer peak demand reduction from conservation, as well as over 280 MW of renewable energy from purchased power contracts by the year 2020. As discussed in Issue 1, FPL has demonstrated a reliability need for the years 2018 through 2020 in excess of these amounts. A reduction in peak demand or an increase in renewable generation would likely result in the deferral of future uncertified natural gas units.

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Issue 6: Will the proposed generating units provide the most cost-effective source of power, as this criterion is used in Section 403.519(4), Florida Statutes?

Recommendation: Yes. Despite high capital costs, the relatively low fuel costs associated with the proposed units provide an economic advantage when compared with other base-load generation alternatives. When potential environmental compliance costs are considered, nuclear generation becomes even more cost-effective when compared to other base-load generation alternatives. The fuel and environmental benefits of Turkey Point 6 and 7 could continue beyond the analysis presented in this proceeding. FPL should be required to provide an updated breakeven cost-effectiveness evaluation as part of the annual cost recovery and prudence review process.

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Issue 7: Does Florida Power & Light Company's nuclear power plant petition contain a summary of any discussions with other electric utilities regarding ownership of a portion of the plant by such electric utilities, consistent with the requirements of 403.519(4)(a)5., F.S., and Rule 25-22.081, F.A.C.?

Recommendation: Yes.

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Issue 8: Based on the resolution of the foregoing issues, should the Commission grant Florida Power & Light Company's petition to determine the need for the proposed generating units?

Recommendation: Yes

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Issue 9: If the Commission grants Florida Power & Light Company's petition to determine the need for the proposed generating units, should FPL commit, prior to the completion of the Rule 25-6.0423 cost recovery proceeding in 2008 (the "2008 NPPCR Proceeding"), to make advance forging reservation payments of approximately \$16 million to Japan Steel Works in order to preserve the potential for 2018-2020 in-service dates for the proposed generating units?

Recommendation: FPL should take all reasonable steps to meet the in-service dates of the proposed units, including committing to make advanced forging reservation payments. However, all specific contractual terms including the final price, portability, and other compensating aspects should be addressed in the annual cost recovery proceeding.

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Issue 10: Should this docket be closed?

Recommendation: The docket should be closed after the time for filing an appeal has run.

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