Progress Energy

Serial: NPD-NRC-2009-077
May 4, 2009

10CFR52.79

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

**LEVY NUCLEAR POWER PLANT, UNITS 1 AND 2
DOCKETS NOS. 52-029 AND 52-030
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 023 RELATED TO
GENERAL AND FINANCIAL INFORMATION**

Reference: Letter from Sujata Goetz (NRC) to Garry Miller (PEF), dated April 8, 2009, "Request for Additional Information Letter No. 023 Related to SRP Section Part 1 General and Financial Information for the Levy County Nuclear Plant, Units 1 and 2 Combined License Application"

Ladies and Gentlemen:

Progress Energy Florida, Inc. (PEF) hereby submits our response to the Nuclear Regulatory Commission's (NRC) request for additional information provided in the referenced letter. A response to the NRC request is addressed in the enclosure.

If you have any further questions, or need additional information, please contact Bob Kitchen at (919) 546-6992, or me at (919) 546-6107.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on May 4, 2009.

Sincerely,

Garry D. Miller
General Manager
Nuclear Plant Development

Attachment

cc : U.S. NRC Director, Office of New Reactors/NRLPO
U.S. NRC Office of Nuclear Reactor Regulation/NRLPO
U.S. NRC Region II, Regional Administrator
Mr. Brian Anderson, U.S. NRC Project Manager

DOQ4
NRC

Levy County Nuclear Plant Units 1 and 2
Response to NRC Request for Additional Information Letter No. 023 Related to SRP
Section Part 1 General and Financial Information for the Levy County Nuclear Plant,
Units 1 and 2 Combined License Application, Dated April 8, 2009

NRC RAI #	Progress Energy RAI #	Progress Energy Response
01-1	L-0173	Response enclosed – see following pages

NRC Letter No.: LNP-RAI-LTR-023

NRC Letter Date: April 8, 2009

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 01-1

Text of NRC RAI:

Section 2.1 in Part 1 of Levy COL application states that, "The estimate is derived from the current LNP Total Project Cost (Rev. 3) analysis spreadsheet for LNP, which was developed using cost estimates based on the best available information from internal and external sources for all aspects of plant costs. This estimate is consistent with the Florida Public Service Commission Determination of Need Filing submitted on March 11, 2008."

As required by Appendix C, I.A.1 to 10 CFR 50, the cost estimate must be accompanied by a statement describing the bases from which the estimate is derived. The application only identifies the bases as "internal and external sources," but does not identify those sources. Therefore, please identify the specific sources of information used as the bases from which the construction cost estimates for LNP 1 and 2 are derived (e.g., a vendor cost estimate on the AP1000 certified design, an industry or independent university cost study on the AP1000, or a construction cost estimate of AP1000 units on other sites, etc).

PGN RAI ID #: L-0173

PGN Response to NRC RAI:

The sources of information used to develop the Levy 1 and 2 construction cost estimates are provided below:

Total nuclear production plant costs (actual expenses plus projected costs):
1. COLA development and approval cost estimate
2. AP1000 vendor capital expenditure cost estimate
3. Progress Energy construction management staff cost estimate
4. Site-specific permanent structures and facilities cost estimate
5. Permanent staffing and training cost estimate
6. Miscellaneous items cost estimate, consisting of: permits, fees, spare parts, insurance, property taxes, and industry dues
7. Contingencies
8. Transmission, distribution, and general plant cost estimate
9. Nuclear fuel inventory cost for first core
10. Escalation of total project cost
11. Allowance for Funds used during Construction (AFUDC)

Associated LNP COL Application Revisions:

No COLA revisions have been identified associated with this response.

Attachments/Enclosures:

None.