



Serial: NPD-NRC-2011-073  
October 7, 2011

10CFR52.80

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

**LEVY NUCLEAR PLANT, UNITS 1 AND 2  
DOCKET NOS. 52-029 AND 52-030  
REVISION TO CONSTRUCTION WORKFORCE ESTIMATE**

Reference: 1. E-mail from Douglas Bruner (NRC) to Paul Snead (PEF), dated September 7, 2011, "Socioeconomics Request - Levy"

Ladies and Gentlemen:

Progress Energy Florida, Inc. (PEF) hereby submits our response to the Nuclear Regulatory Commission's (NRC) request provided in Reference 1. 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 (727) 820-4481.

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

Executed on October 7, 2011.

Sincerely,

A handwritten signature in black ink, appearing to read "John Elnitsky".

John Elnitsky  
Vice President  
New Generation Programs & Projects

Enclosure

cc : U.S. NRC Region II, Regional Administrator  
Mr. Brian C. Anderson, U.S. NRC Project Manager  
Mr. Douglas Bruner, U.S. NRC Environmental Project Manager

DO94  
MRO

**Levy Nuclear Plant Units 1 and 2  
Response to NRC Request for Additional Information Related to  
Socioeconomics for the Combined License Application, dated September 7, 2011**

<u>NRC RAI #</u>	<u>Progress Energy RAI #</u>	<u>Progress Energy Response</u>
NA	L-0990	Response enclosed – see following pages

**NRC Letter No.:** ER-NRC

**NRC Letter Date:** September 7, 2011

**NRC Review of Environmental Report**

**NRC RAI NUMBER:** NA

**Text of NRC RAI:**

The FSAR has a construction timeframe that begins with site preparation activities in 2013, operation of Unit 1 beginning in 2021, and operation of Unit 2 beginning in 2022. The socioeconomics SME has asked for, "a new worker schedule (at least year-by-year, but in greater detail would be preferred) that corresponds to the latest schedule for preconstruction and construction activities. An example of what is needed is provided in the first paragraph of Section 4.4.2 of the EIS."

Please provide the information under oath and affirmation.

**PGN RAI ID #:** L-0990

**PGN Response to NRC RAI:**

This Request for Additional Information (RAI) provides the best available information at this time related to the Levy Nuclear Plant (LNP) project schedule and associated staffing by updating the information provided in Letter NPD-NRC-2010-029 to the Nuclear Regulatory Commission (NRC), specifically response L-0760, dated April 12, 2010. Revisions are based on current, anticipated commercial in-service dates for LNP as provided in FSAR Section 1.1.5.

The anticipated schedule for preconstruction, construction and operation of two AP1000 units at the LNP site was applied to the annual information provided in the L-0760 response to generate Table 1 of this RAI. Table 1 summarizes the peak workforce by year, unit and task on-site. The peak workforce during construction is anticipated to be 3440 workers in 2018, while the total peak workforce by year is provided below:

- 2013: 226 workers
- 2014: 746 workers
- 2015: 987 workers
- 2016: 1964 workers
- 2017: 3102 workers
- 2018: 3440 workers
- 2019: 2931 workers
- 2020: 1739 workers (includes 500 initial operation workers)
- 2021: 869 workers (includes 773 operation workers)
- 2022: 1573 workers (includes 773 operation workers and 800 outage workers)

Table 1 also provides a row with generic years to allow for unanticipated future shifts in the schedule. The relative magnitudes of the potential impacts identified in the ER are not expected to change due to the shift in workforce schedule.

<b>Table 1 Peak Workforce Schedule for Preconstruction, Construction and Operation of LNP 1 and LNP 2</b>										
	2013	2014	2015	2016	2017	2018	2019	2020	2021 <sup>a</sup>	2022 <sup>b</sup>
<i>Generic Schedule</i>	<i>Year 1</i>	<i>Year 2</i>	<i>Year 3</i>	<i>Year 4</i>	<i>Year 5</i>	<i>Year 6</i>	<i>Year 7</i>	<i>Year 8</i>	<i>Year 9</i>	<i>Year 10</i>
NonUnit Specific	226	746	907	1212	1434	1453	1229	468	36	
Unit 1 Construction			80	672	996	991	711	60		
Unit 1 Operations								500	387	387
Unit 2 Construction				80	672	996	991	711	60	
Unit 2 Operations									386	386
Outage										800
<b>Total Peak Construction</b>	<b>226</b>	<b>746</b>	<b>987</b>	<b>1964</b>	<b>3102</b>	<b>3440</b>	<b>2931</b>	<b>1239</b>	<b>96</b>	
<b>Total Operation &amp; Outage Workers</b>								<b>500</b>	<b>773</b>	<b>1573</b>
<b>Total Peak Workforce</b>	<b>226</b>	<b>746</b>	<b>987</b>	<b>1964</b>	<b>3102</b>	<b>3440</b>	<b>2931</b>	<b>1739</b>	<b>869</b>	<b>1573</b>

<sup>a</sup>Unit 1 Starts Commercial Operation

<sup>b</sup>Unit 2 Starts Commercial Operation

**Associated LNP COL Application Revisions:**

No COLA revisions have been identified associated with this response.

**Attachments/Enclosures:**

None.