



# MEMORANDUM

AGENDA ITEM #15b

DATE: OCTOBER 5, 2009  
TO: COUNCIL MEETING  
FROM: STAFF  
SUBJECT: FPL PROPOSED NEW NUCLEAR PLANT-TURKEY POINT 6 AND 7 UPDATE

The purpose of this presentation is to provide information on the review and comment process for the proposed Turkey Point Expansion Application.

## Background

Florida Power and Light (FPL) submitted a Site Certification Application to Florida Department of Environmental Protection (FDEP) on June 30, 2009. If approved, the application would allow FPL to expand nuclear energy production at its Turkey Point facility in Miami-Dade County. The proposed project consists of the construction of two new nuclear units, 6 and 7, and supporting facilities, as well as the placement of new transmission lines. The new units are expected to add approximately, 2,200 megawatts (mW) of electrical generation. The State of Florida would license both the transmission facilities and new electrical power plants in one proceeding pursuant to the State Power Plant Siting Act (PPSA), Chapter 403, Part II, Florida Statutes (F.S.).

## Project Details

The Project includes the construction of two new 1,100-mW nuclear units, transmission lines and other associated facilities. The two nuclear generating units with supporting buildings, facilities and equipment will be located due south of the existing Turkey Point plant site, east of the cooling canals. Associated facilities proposed in or around the new or existing plant sites include parking areas; a nuclear administration and training building; a reclaimed water treatment facility and treated reclaimed water delivery pipelines; radial collector wells and delivery pipelines for cooling water backup; and an equipment barge unloading area. A new electrical substation (Clear Sky) will be constructed on the Turkey Point site. A 230-kV transmission line will also be needed to connect the new substation to the existing substation on the plant property.

Proposed off-site facilities include: 1) an FPL-owned quarry for fill; 2) transmission lines and system improvements within Miami-Dade County and seven municipalities; and, 3) creation or expansion of access roads and bridges (between SW 328 Street and SW 359 Street and east of SW 137 Avenue). The proposed access roadways and fill source (rock mine) activities will require changes to Miami-Dade County's Comprehensive Development Master Plan. Amendments for these uses have been filed with the County and can be viewed at [http://www.miamidade.gov/planzone/planning\\_metro\\_CDMP.asp](http://www.miamidade.gov/planzone/planning_metro_CDMP.asp) under the October 2008 (Application 1 for fill source) and April 2009 (Application 6 for access roads).

FPL has indicated that the existing transmission line infrastructure is insufficient to carry the load that will be generated from the new power plants. New 500 and 230 kilovolts (kV) electric transmission lines are needed to connect the proposed Clear Sky substation to other existing FPL substations in Miami-Dade County. Approximately 88.7 miles of transmission corridors have been proposed in the county. Because of the load requirements, two separate transmission line corridors have been proposed. The East Preferred Corridor has been proposed by FPL to connect the existing Turkey Point substation to the new Clear Sky and existing Davis and Miami substations. The Davis to Miami portion will run through more urbanized sections of U.S. 1 from Palmetto Bay through Downtown Miami. Two 230-kV lines will be constructed along this 36.6 mile corridor. The West Preferred Corridor will connect the new Clear Sky substation to the existing Levee and Pennsuco substations. The Levee to Pennsuco portion will run through Doral and Medley. Two 500-kV lines and one 230-kV line will be constructed along this 52 mile corridor.

## Review of Site Certification Applications

The South Florida Regional Planning Council is one of 17 affected agencies actively involved in the review of the application, as identified in Section 403.507(2)(a), F.S. The site certification process provides the Council the opportunity to assess the project's consistency with the *Strategic Regional Policy Plan for South Florida* (SRPP).

Although power plant siting and transmission lines are treated as separate processes in Chapter 403, F.S., they have been combined into one application by the Applicant. The review process will be conducted on separate but parallel tracks. The transmission lines are being reviewed in an earlier timeframe than the power plant, although the transmission lines will only be necessary if the unit 6 and unit 7 installations are approved.

Both the power plant and transmission lines will be reviewed by each affected agency for:

- Completeness of information;
- Land use and zoning consistency (county only);
- Impact of the project on the public; and
- Consistency with applicable regional or local plans and land development regulations.

Each affected agency will issue a Final Report summarizing the above review parameters and may recommend approval or denial of the application. Conditions of certification may also be proposed.

<b>PROPOSED REVISED REVIEW SCHEDULE</b> <b>(as approved by the Administrative Law Judge as of 9/11/09)</b>		
<b>Requirement</b>	<b>Transmission Lines</b>	<b>Power Plant/Facilities</b>
<b>Completeness Determination</b>	October 15, 2009	October 30, 2009
<b>Preliminary Statement of Issues</b>	October 15, 2009	December 16, 2009
<b>Final Report</b>	November 24, 2009	February 15, 2010

*This schedule is subject to change if there are additional delays in the determination of completeness.*

## Opportunities for Public Involvement

### *Public Informational Meetings*

Section 403.50663, F.S., allows Miami-Dade County or the South Florida Regional Planning Council to hold an optional informational public meeting. The South Florida Regional Planning Council and Miami-Dade County Planning and Zoning Department co-hosted two, informational, public meetings. The meetings were held on Monday, August 31, 2009, at the City of Homestead's Council Chambers, and Wednesday, September 2, 2009, at University of Miami's BankUnited Center. Attendees were given an overview of the project and the review process. The public had an opportunity to ask questions and provide comment. Information received will be used to formulate Council staff's recommendations, regarding the application. Participation at these meetings will not be considered or used by the Administrative Law Judge (ALJ) to make a recommendation to the Governor and Cabinet regarding approval of new generator and transmission lines.

#### *Land Use Hearing*

Section 403.50665(4), F.S. allows a substantially affected party to file a petition for hearing on a local government's land use determination only as it applies to the Turkey Point Site and Associated Facilities. The hearing provides an opportunity for substantially affected parties to give testimony on how the proposed project is inconsistent the county's land use plan and zoning ordinances. If petitions for hearing are filed by January 4, 2010, the ALJ would schedule a hearing on land use on January 11, 2010. The hearing would take place February 3, 2010 through February 5, 2010.

#### *Alternate Transmission Line Corridor Proposal*

Section 403.5271, F.S., allows any party the opportunity to propose alternate transmission line corridor routes. The necessary data supporting the alternate route proposal and the appropriate application fee must be submitted by February 4, 2010. The alternate route application fee is \$750 per mile for each mile of the alternate corridor located in an existing right-of-way and \$1,000 per mile if located outside of the existing right-of-way. Final transmission line corridor route approval would be determined by the ALJ during the certification hearing.

#### *Certification Hearing*

Section 403.508(3)(c), F.S., allows non-listed agencies and public interest groups to file a notice of intent by September 14, 2009, to become a party to the proceeding. The final certification hearings provide an opportunity for any person to present oral or written communication regarding the project, to the designated ALJ. The Council is a named party to the certification hearing. The Council must file a notice of intent to be a party before the 90<sup>th</sup> day prior to the hearing or its right to be a party is waived. Any communication presented will become official record. If the Certification Schedule is not delayed, the hearing will be held from June 21, 2010 through July 21, 2010, according to 403.508(2)(a), F.S.

### **FINAL DISPOSITION OF APPLICATION**

Upon conclusion of the certification hearings, the ALJ will make a recommendation based on the evidence presented at the Certification Hearing. The recommendation will be forwarded to the Governor and the Cabinet for approval.

#### Recommendation

Information only.