

**APPENDIX 2.5A**  
**SHPO/NATIVE TRIBE CORRESPONDENCE**



FLHR-09-0062

February 20, 2009

Ms. Laura Kammerer  
Florida Department of State  
Division of Historical Resources  
RA Gray Building, 4<sup>th</sup> floor  
500 S. Bronough St.  
Tallahassee FL 32399-0250

SUBJECT: Florida Power & Light Company Turkey Point Units 6 & 7 Project,  
Miami Dade County, Florida

Dear Ms. Kammerer:

Florida Power & Light Company (FPL) is preparing permit and license applications to the U.S. Nuclear Regulatory Commission (NRC), the Florida Department of Environmental Protection (FDEP) and the United States Army Corps of Engineers (USACE) to allow construction and operation of two new nuclear units and associated project features at our existing Turkey Point property in Miami-Dade County, Florida (the "proposed action").

This project will require federal approval by the NRC and USACE. Therefore, consistent with Section 106 of the National Historic Preservation Act (NHPA) of 1966 (Public Law 89-665, as amended), as implemented by 36 CFR 800 (Protection of Historic Properties, effective January 2001), a cultural resource assessment is in progress. Moreover, this project is being conducted in accordance with F.A.C. Electrical Power Plant Siting Act and as prescribed by DEP Form 62-11.211(1), F.A.C. Accordingly, the cultural resource assessment will comply with Chapter 267, Florida Statutes (Florida Historical Resources Act), the minimum field methods, data analysis, and Chapter 1A-46 (Archaeological and Historical Report Standards and Guidelines), F.A.C.

Janus Research is assisting FPL with the cultural resource investigations and will be contacting your office on FPL's behalf to obtain required information as needed. A cultural resource assessment (CRA) survey of the proposed power plant site and facilities associated with the project is in progress. A copy of this report will be submitted with the Site Certification Application. A CRA survey of additional facilities associated with the proposed project (e.g., transmission lines) will be conducted once final routes and locations are selected. Field work in areas where FPL does not control the property may have to wait until the final right of way is secured. Copies of the CRA report for associated facilities will be forwarded to you office when completed and post SCA submittal.

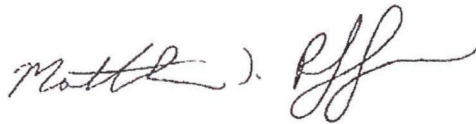


The Turkey Point property is located in Miami-Dade County, Florida, adjacent to Biscayne Bay and Card Sound, about 25 miles south of Miami (Figure 1). The total, non-contiguous property area is approximately 11,000 acres. The developed portion of the property includes a natural gas fueled generating unit; two oil/gas-fired generating units, and two nuclear-powered generating units. This proposed action would further develop approximately 300 acres of the property west and south of these existing units, primarily within an existing cooling canal /industrial wastewater treatment facility. In addition, FPL will construct (1) pipelines to convey dual cooling water supplies (reclaimed and saltwater) to new cooling towers, (2) power transmission lines to connect the new units with the regional electric grid, and (3) a reclaimed water treatment facility to condition the reclaimed water for cooling water uses. In addition, because fill material is necessary for the unit foundations, FPL is proposing to place fill sourced from a commercial mine and/or nearby FPL-owned property approximately 4 miles northwest of the proposed site. These areas are shown in Figures 2 and 3. Figures 2A and 2B include the project features in the vicinity of the proposed plant area. Figure 3 also provides an expanded view of the area showing the proposed transmission corridor.

Please note that an Unanticipated Finds Plan will be in place prior to construction in the unlikely event that any cultural remains are encountered during construction. In the event that human remains, archeological or historical objects are found during construction or maintenance activities, all activity that might disturb the human remains will cease in accordance with the provisions of Chapter 872.05. In addition, if historical or archeological artifacts are discovered, notification will be made to the Florida Department of Environmental Protection Southeast District Office and Bureau of Historical Preservation, Division of Historical Resources Office.

Thank you for your attention to this request; I will follow up with you to confirm receipt and to address any questions or concerns you may have. Should you need to talk to me earlier, please reach me by telephone at 561-691-2808.

Sincerely,

A handwritten signature in dark ink, appearing to read "Matthew J. Raffenberg". The signature is fluid and cursive, with a large, stylized "M" and "R".

Matthew J. Raffenberg  
Manager, Environmental Licensing



FLORIDA DEPARTMENT OF STATE

**Kurt S. Browning**

Secretary of State

DIVISION OF HISTORICAL RESOURCES

Ms. Kathleen Hoffman  
Janus Research  
1300 North Westshore Blvd., Suite 100  
Tampa, Florida 33607

July 10, 2009

Re: DHR Project File No.: 2009-3841 / Received by DHR: June 30, 2009  
*Cultural Resource Assessment Survey for the Turkey Point Units 6 & 7 Site, Associated Non-Linear Facilities, and Spoils Areas on Plant Property, Miami-Dade County, Florida*

Dear Ms. Hoffman:

Our office received and reviewed the above referenced survey report in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended, and 36 C.F.R., Part 800: Protection of Historic Properties for assessment of possible adverse impact to cultural resources (any prehistoric or historic district, site, building, structure, or object) listed, or eligible for listing, in the National Register of Historic Places (NRHP).

In October 2008, December 2008, March 2009, and April 2009, Janus Research conducted an archaeological and historical Phase I survey of the proposed Turkey Point Units 6 & 7 site, associated non-linear facilities, and spoils areas on plat property on behalf of the Florida Power & Light Company. Janus Research identified no cultural resources within the project area during the investigation.

Our office finds the submitted report complete and sufficient in accordance with Chapter 1A-46, *Florida Administrative Code*. Based on the information provided, it is the opinion of this office that the proposed development will have no effect on historic properties. However, we also concur with Janus Research that, prior to construction, an unanticipated finds plan should be developed to outline the procedures and identify personnel to be contacted if significant archaeological material or human remains are encountered during construction.

If you have any questions concerning our comments, please contact Samantha Earnest, Historic Preservationist, by electronic mail at [swearnest@dos.state.fl.us](mailto:swearnest@dos.state.fl.us), or by telephone at 850-245-6333 or 800-847-7278.

Sincerely,

Laura A. Kammerer  
Deputy State Historic Preservation Officer  
For Review and Compliance

500 S. Bronough Street • Tallahassee, FL 32399-0250 • <http://www.flheritage.com>

☐ Director's Office  
(850) 245-6300 • FAX: 245-6436

☐ Archaeological Research  
(850) 245-6444 • FAX: 245-6452

☒ Historic Preservation  
(850) 245-6333 • FAX: 245-6437





FLORIDA DEPARTMENT OF STATE

**Kurt S. Browning**

Secretary of State

DIVISION OF HISTORICAL RESOURCES

Mr. Matthew J. Raffenberg  
Florida Power & Light Company  
P.O. Box 14000  
Juno Beach, Florida 33408-0420

July 13, 2009

Re: DHR Project File No.: 2009-3838 / Received by DHR: June 25, 2009  
*Cultural Resource Assessment Survey Work Plan for the Turkey Point Units 6 & 7 Site and  
Associated Non-Linear Facilities*  
Miami-Dade County, Florida

Dear Mr. Raffenberg:

Our office received and reviewed the above referenced work plan in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended, and 36 C.F.R., Part 800: Protection of Historic Properties for assessment of possible adverse impact to cultural resources (any prehistoric or historic district, site, building, structure, or object) listed, or eligible for listing, in the National Register of Historic Places (NRHP).

In October 2008, December 2008, March 2009, and April 2009, Janus Research conducted an archaeological and historical Phase I survey of the proposed Turkey Point Units 6 & 7 site, associated non-linear facilities, and spoils areas on plat property on behalf of the Florida Power & Light Company. This survey was submitted to this office in June 2009 (DHR Project File No. 2009-3841). Janus Research identified no cultural resources within the project area during the investigation. As a result, the above referenced work plan included the following recommendations:

1. No further field investigations of the site or associated non-linear facilities are recommended.
2. A copy of the final survey results should be sent to the five federally recognized tribes with cultural affiliation to Florida.
3. Prior to construction, an unanticipated finds plan should be developed to outline the procedures and identify personnel to be contacted if significant archaeological material or human remains are encountered during construction.

Based on the information provided, our office concurs with these recommendations as outlined in the work plan.

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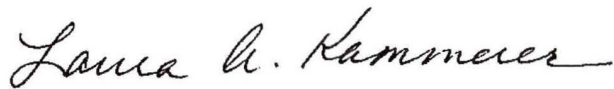
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Mr. Raffenberg  
July 13, 2009  
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If you have any questions concerning our comments, please contact Samantha Earnest, Historic Preservationist, by electronic mail at [swearnest@dos.state.fl.us](mailto:swearnest@dos.state.fl.us), or by telephone at 850-245-6333 or 800-847-7278.

Sincerely,

A handwritten signature in cursive script that reads "Laura A. Kammerer". The signature is written in black ink and is positioned above the printed name and title.

Laura A. Kammerer  
Deputy State Historic Preservation Officer  
For Review and Compliance



FLORIDA DEPARTMENT OF STATE  
**Kurt S. Browning**  
Secretary of State  
DIVISION OF HISTORICAL RESOURCES

Mr. Matthew J. Raffenberg  
Florida Power & Light Company  
P.O. Box 14000  
Juno Beach, Florida 33408-0420

July 13, 2009

Re: DHR Project File No.: 2009-3839 / Received by DHR: June 25, 2009  
*Cultural Resource Assessment Survey Work Plan for the Turkey Point Units 6 & 7 Associated Linear Facilities*  
Miami-Dade County, Florida

Dear Mr. Raffenberg:

Our office received and reviewed the above referenced work plan in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended, and 36 C.F.R., Part 800: Protection of Historic Properties for assessment of possible adverse impact to cultural resources (any prehistoric or historic district, site, building, structure, or object) listed, or eligible for listing, in the National Register of Historic Places (NRHP).

In 2009, Janus Research conducted background research to identify previously recorded archaeological resources within 100 feet and historic cultural resources within 500 feet of the associated linear facilities, and to identify areas of high, medium, and low probability for the presence of unrecorded cultural resources. As a result of this analysis, Janus Research has made the following recommendations:

1. Archaeological and Historic Survey and Identification Plan for Access Roads and Bridges:
  - a. Historic access roads and bridges will be surveyed prior to construction.
  - b. No archaeological survey will be necessary for existing roads with no proposed widening.
  - c. A visual survey of all roads will be conducted to identify areas of high archaeological probability within new roads or areas of road widening.
  - d. A standard archaeological survey will be conducted of these high probability areas. Testing will be conducted at 25-meter intervals within the area of potential effect (APE).
2. Archaeological Survey and Identification Plan for the Transmission Line Corridors, Reclaimed Water Delivery Pipelines, and Potable Water Pipelines
  - a. Surveys will be conducted prior to construction.
  - b. The APE for the survey will be confined to the construction corridor and associated staging areas.

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- c. The APE will be subjected to a visual survey to refine archaeological probability areas.
  - d. All previously recorded archaeological sites in the APE will be field verified and re-evaluated. Updated Florida Master Site File (FMSF) forms will be completed for each previously recorded site.
  - e. A reconnaissance level survey will be conducted for previously surveyed areas that do not meet current professional standards.
  - f. In areas that have not been previously surveyed, a standard archaeological survey will be conducted of high and moderate probability zones. Testing will be conducted at 25-meter and 50-meter intervals respectively, with judgmental testing of low probability zones. Shovel testing will be confined to the APE.
3. Historic Resource Survey and Identification Plan for the Transmission Line Corridors, Reclaimed Water Delivery Pipelines, and Potable Water Pipelines
- a. Surveys will be conducted prior to construction.
  - b. A standard historic resource survey will be conducted to identify resources in areas that have not been previously surveyed. FMSF forms will be completed for newly identified resources.
  - c. All previously recorded historic districts and individual resources in the APE will be field verified. Individual structures or buildings within the boundaries of a previously recorded historic district will not be field verified. Updated FMSF forms will be completed only if substantial changes have occurred since a resource's initial recording, including: demolition, change in National Register status, and change in original massing.
  - d. The boundaries of both previously recorded and newly identified historic districts will be noted and recorded on FMSF forms. Individual buildings within the historic district will not be recorded.
  - e. A reconnaissance level historic resource survey will be conducted of the APE for indirect impacts of the transmission line corridors. This APE will be determined in consultation with our office.
4. A copy of the final survey report should be sent to the five federally recognized tribes with cultural affiliation to Florida.
5. Due to the proximity of the project to Tribal lands associated with the Florida-resident Seminole Tribe of Florida and the Miccosukee Tribe of Indians of Florida, a meeting is recommended prior to the initiation of field investigations. The purpose of this meeting will be to review the project, address any comments resulting from the project notification letters previously sent to the Tribes, and to identify any cultural issues, sacred areas, or traditional use areas within the APE. Further coordination is recommended to resolve any potential concerns should any such issues be identified during the survey.
6. Prior to construction, an unanticipated finds plan should be developed to outline the procedures and identify personnel to be contacted if significant archaeological material or human remains are encountered during construction.

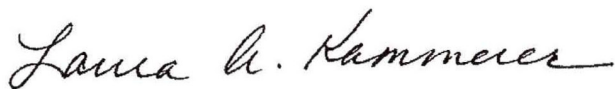
Mr. Raffenberg  
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7. Section 106 consultation will be conducted with this office to identify and resolve any adverse effects to significant resource.

Based on the information provided, our office concurs with these recommendations as outlined in the work plan. We look forward to receipt of the final survey report for review and comment.

If you have any questions concerning our comments, please contact Samantha Earnest, Historic Preservationist, by electronic mail at [swearnest@dos.state.fl.us](mailto:swearnest@dos.state.fl.us), or by telephone at 850-245-6333 or 800-847-7278.

Sincerely,

A handwritten signature in cursive script that reads "Laura A. Kammerer".

Laura A. Kammerer  
Deputy State Historic Preservation Officer  
For Review and Compliance



FPLMTI-09-0722

Mr. Steve Terry  
Section 106 Coordinator  
Miccosukee Tribe of Indians of Florida  
PO Box Tamiami Station  
Miami, Florida 33144

December 15, 2009

SUBJECT: Information Sharing Supporting Section 106 of the *National Historic Preservation Act* for the Proposed Turkey Point Units 6 & 7 On-Site Project Facilities, Florida

Florida Power and Light Company (FPL) has submitted a Combined Operating License (COL) Application to the Nuclear Regulatory Commission (NRC) to construct and operate nuclear power Unit 6 & 7 at the Turkey Point site, located east of Homestead, Florida. The Unit 6 & 7 project would provide clean, safe and reliable power to meet the needs of FPL's customers. As part of its COL Application, FPL included an environmental report to assist the NRC prepare an environmental impact statement (EIS) under the *National Environmental Policy Act*. The decision by the NRC on whether to issue the license for construction and operation of Units 6 & 7 meets the definition of an "undertaking" under the *National Historic Preservation Act* (NHPA) and its implementing regulations 36 CFR Part 800.16(y).

FPL has shared project information with the Florida Division of Historical Resources (DHR) and the Florida State Historic Preservation Officer for this proposed project. Specifically a final cultural resources assessment (CRA) report of on-site areas and associated non-linear facilities and a preliminary CRA report on the associated linear facilities were submitted to the DHR as part of FPL's Site Certification Application (SCA).

By recommendation from the DHR, FPL hereby offers to share project information with potentially interested Tribes to assist us in identifying important cultural resources that could be present in the vicinity of the proposed undertaking. Attached is the CRA report addressing the on-site areas and other non-linear associated facilities affected by the proposed undertaking. Linear facilities (namely access roads, transmissions lines, and water pipelines) are being permitted as corridors in the SCA process. Therefore, the CRA report for the project's linear facilities will be shared with you after placement of those facilities is finalized.



### **Description of the Proposed Project**

The project would add two new nuclear generating units and supporting facilities at a site within the existing Turkey Point plant property boundaries. The Project includes the construction and operation of Turkey Point Unit 6 & 7 on the site as well as new transmission lines and other off-site associated linear and non-linear facilities.

FPL's Turkey Point plant property comprises approximately 11,000 acres in unincorporated southeast Miami-Dade County, Florida, east of Florida City and the City of Homestead, and bordered by Biscayne Bay to the east. The existing Turkey Point Plant consist of two nominal 400-megawatt (MW) natural gas/oil steam electric generating units (Units 1 & 2); two nominal 700-MW nuclear units (Units 3 & 4); and a nominal 1,150 MW natural gas-fired combined-cycle unit (Unit 5). The existing closed-loop cooling canals and industrial wastewater facility occupy approximately 5,900 acres. The location of the Turkey Point plant property is shown in Figure 1.

The site for Turkey Point Units 6 & 7 is south of Units 3 & 4 and occupies approximately 300-acres within the industrial wastewater facility. Two nuclear generating units, each with an approximate electrical out put of 1,100 MWe (net), including supporting buildings, facilities and equipment will be located on the site, along with a laydown area. Proposed off-Site associated facilities include: nuclear administration building, training building and parking area; an FPL reclaimed water treatment facility and reclaimed water pipelines; radial collector wells and delivery pipelines; equipment barge unloading area; an FPL-owned fill source; transmission lines and system improvements within Miami-Dade County; access roads and bridges; and a potable water pipeline. The site and proposed off-site associated facilities are shown in Figures 2 to 5. Because the linear facilities are being permitted as corridors, the areas shown on these figures is actually larger than the areas that will be impacted by actual construction and operation of the linear facilities.

### **Information Sharing with the Florida Division of Historical Resources**

On February 20, 2009, FPL notified the DHR that it was commencing a CRA of on-site areas and would be contacting the SHPO to obtain required information as needed. On June 25, 2009, FPL forwarded to DHR its CRA survey work plans for the on- and off-site project areas. In that submittal, FPL requested concurrence that (1) the determination and definition of the Areas of Potential Effect (APEs) are appropriate for the project and (2) implementation of the work plans would constitute a reasonable and good-faith effort to carry out appropriate identification efforts of historic properties that could potentially be impacted by the project. On July 13, 2009, the DHR concurred with all the recommendations provided by FPL in the on-and off-site CRA survey work plans. The DHR recommended that the final CRA survey results be sent to the five federally-recognized tribes with cultural affiliation to Florida.

On June 30, 2009, as part of the Site Certification Application, FPL submitted its final CRA report of on-site areas and associated non-linear facilities and the preliminary CRA report on the associated linear facilities to the DHR. On July 10, 2009, DHR found FPL's final CRA report of on-site areas and associated non-linear facilities complete and sufficient in

accordance with Chapter 1A-46 F.A.C. The DHR offered its opinion that the project would have no effect on historic properties and recommended that the CRA report of on-site areas and associated non-linear facilities be sent to the five federally recognized tribes with cultural affiliation to Florida.

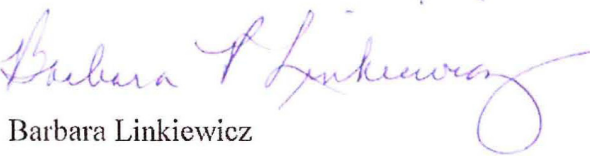
### **Information Sharing with Potentially Interested Tribes**

The purpose of this letter is to share information with potentially interested Tribes in accordance with Section 106 of the NHPA and 36 CFR Part 800.2(c)(2)(ii). The NRC will conduct formal NHPA consultation with Tribes per Federal government-to-government guidance during the preparation of the environmental impact statement. However both the NRC and the DHR have encouraged FPL to share information with Tribes to identify tribal concerns for important cultural resources that could potentially be impacted by the proposed project. On March 20, 2009, FPL submitted a letter to the Miccosukee Tribe of Indians of Florida sharing initial project information.

FPL welcomes your input and comments on the proposed undertaking and the cultural properties of importance to you. FPL is requesting your review of this information so that you can identify concerns about cultural resources, present views about the proposed undertaking's potential effects on such properties, and participate in the resolution of adverse effects. FPL is particularly interested in any information you may have regarding resources, traditional cultural places, sites, or properties of tribal importance that may be adversely affected by the proposed project. This information will assist FPL in identifying important cultural resources in the project area. FPL requests a written response to this information review by January 29, 2010.

Mr. Matthew Raffenberg is FPL's environmental permitting lead and will be your contact for this information sharing request. Please reach Mr. Raffenberg at (561) 691-2808 or by email [matthew.raffenberg@fpl.com](mailto:matthew.raffenberg@fpl.com) if you have any questions about this information.

Sincerely,



Barbara Linkiewicz

Director of Environmental Licensing

cc: Mike Halpin, FDEP Siting Office  
Laura Kammerer, Florida Division of Historical Resources  
Kathleen Hoffman, Janus Research



