

## PMTurkeyCOLPEm Resource

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**From:** Williamson, Alicia  
**Sent:** Friday, January 03, 2014 11:32 AM  
**To:** TurkeyCOL Resource  
**Subject:** FW: West Consensus Corridor and RWTF location (public)  
**Attachments:** Letter to USACE 12-23-13.pdf

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**From:** Ruiz, Marister [<mailto:Marister.Ruiz@nexteraenergy.com>]  
**Sent:** Monday, December 23, 2013 2:29 PM  
**To:** 'Clouser, Megan L SAJ'; Williamson, Alicia  
**Cc:** Raffenberg, Matthew; Maher, William; Orthen, Richard; Braun, Florette  
**Subject:** West Consensus Corridor and RWTF location

Megan,

On behalf of Matt Raffenberg, attached please find the information you requested regarding the West Consensus Corridor and the location of the reclaimed water treatment facility.

Please let me know if you have any questions or need additional information.

Happy Holidays!

Marister Ruiz  
Office 561-691-7067  
Mobile 561-376-5549

**Hearing Identifier:** TurkeyPoint\_COL\_Public  
**Email Number:** 859

**Mail Envelope Properties** (F371D08C516DE74F81193E6D891DC4AF013592F79E04)

**Subject:** FW: West Consensus Corridor and RWTF location (public)  
**Sent Date:** 1/3/2014 11:31:42 AM  
**Received Date:** 1/3/2014 11:31:44 AM  
**From:** Williamson, Alicia

**Created By:** Alicia.Williamson@nrc.gov

**Recipients:**  
"TurkeyCOL Resource" <TurkeyCOL.Resource@nrc.gov>  
Tracking Status: None

**Post Office:** HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	674	1/3/2014 11:31:44 AM
Letter to USACE 12-23-13.pdf		1721030

**Options**  
**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**



December 23, 2013

FPLACE-13-0696

Megan Clouser  
Senior Project Manager, Miami Permits Section  
Department of the Army  
Jacksonville District Corps of Engineers  
Miami Regulatory Office  
9900 Southwest 107<sup>th</sup> Ave, Suite 203  
Miami, Florida 33176  
SAJ-2009-02417 (IP-MLC)

Re: FPL Turkey Point Units 6 & 7 Project, Application No. SAJ-2009-02417 (IP-MLC)

Dear Ms. Clouser:

This letter is in response to your request concerning the modification of Florida Power & Light Company's (FPL) application for a United States Army Corps of Engineers (USACE) permit, assigned number SAJ-2009-02417 (IP-MLC). Specifically, during our telephone conversations on 12/2/2013 and 12/20/2013, you requested additional details on the selection of the West Consensus Corridor and removal of the West Secondary Corridor from the Turkey Point Units 6 & 7 Project Section 404 permit application. In addition, you requested additional information on the selection of the alternate location as the new location for the reclaimed water treatment facility (RWTF) and removal of the originally proposed RWTF location from the Section 404 permit application.

West Consensus Corridor

The selection of the West Consensus Corridor as FPL's preferred transmission corridor was introduced in FPL's September 11, 2013 response to the USACE June 4, 2013 request for additional information. In our continued effort to avoid and minimize environmental impacts, FPL has decided to obtain a permit for the "West Consensus Corridor", which includes portions of the southern and northern sections of FPL's West Preferred Corridor and the MDLPA 2 Corridor segment (Figure 1). Until the right-of-way can be acquired in the new corridor, free of encumbrances, covenants, or other restrictions in a cost-effective and timely manner, this option is not available and FPL will therefore continue to simultaneously pursue the permitting of the West Preferred Corridor as the backup location for the Project's western transmission lines. Based on the existence of two options for location of the western transmission lines, the West Secondary Corridor is no longer needed and thus FPL hereby withdraws the West Secondary Corridor from the Project's USACE Section 404 permit application.

On November 5, 2013, FPL submitted supplemental transmission corridor information (L-2013-311) to the Nuclear Regulatory Commission (NRC) which summarized the environmental and land use characteristics for the MDLPA 2 Corridor segment, consistent with the analysis of the West Preferred and West Secondary Corridors presented in the Combined License Application (COLA) Environmental Report (ER). FPL's September 11, 2013 response to the USACE's request for additional information (RAI) included analysis of the MDLPA 2 corridor segment, including the approximate wetland impacts based upon conceptual structure pad dimensions, span lengths, and access road designs.



As discussed in the submittals identified above, construction of the proposed transmission facilities within the West Consensus Corridor would reduce potential adverse impact to wetlands and threatened and endangered species when compared to the West Preferred Corridor through increased utilization of previously disturbed habitats. The West Consensus Corridor contains a greater acreage of disturbed, low quality wetland habitat dominated by exotic vegetation and is located further east from existing wood stork colonies when compared to the West Preferred Corridor. Based on conceptual designs, construction of transmission facilities within the West Consensus Corridor reduces wetland impacts by approximately 14 acres and wetland functional loss by 21 UMAM units compared to the West Preferred Corridor.

Reclaimed Water Treatment Facility (RWTF)

FPL has committed to utilizing the alternate location as the new location for the RWTF to further avoid and minimize wetland impacts, as addressed in the COLA ER Rev. 5 dated December 16, 2013 (L-2013-312), the 8/1/2013 stipulation between FPL and Miami Dade County, and Miami-Dade County Zoning Resolution Z-1-13. Therefore, FPL hereby withdraws the originally proposed RWTF location from the Project's USACE Section 404 permit application.

The new location for the RWTF is an area of lower quality wetlands on the Turkey Point Plant site, historically dredged for test cooling evaluations, which currently consists of upland spoil piles dominated by Australian pine, excavated open water canals, an upland access pathway, sawgrass marsh, dwarf mangroves, and exotic wetland hardwoods (Figure 2). As described in the August 2012 *Turkey Point Units 6 & 7 Mitigation Plan Rev. 2 (USACE Supplement)*, use of this significantly disturbed area reduces impacts to mangrove and sawgrass wetlands by approximately 10 acres and the associated functional loss by approximately 5 UMAM units as compared to the location originally proposed. Use of the new location for the RWTF will also allow installation of the treated reclaimed water delivery pipeline within construction access road areas, further reducing temporary wetland impacts by approximately 3.4 acres.

Thank you for your attention to this matter and please do not hesitate to contact me at 561-691-2808 if you have any questions regarding this submittal.

Sincerely,

Handwritten signature of Kathryn S. Salvador in cursive script.

Matthew J. Raffenberg  
FPL Director of Environmental Licensing

CC: Ingrid Sotelo, USACE  
Alicia Williamson, NRC





FIGURE 1.  
TRANSMISSION CORRIDOR GENERAL LOCATION



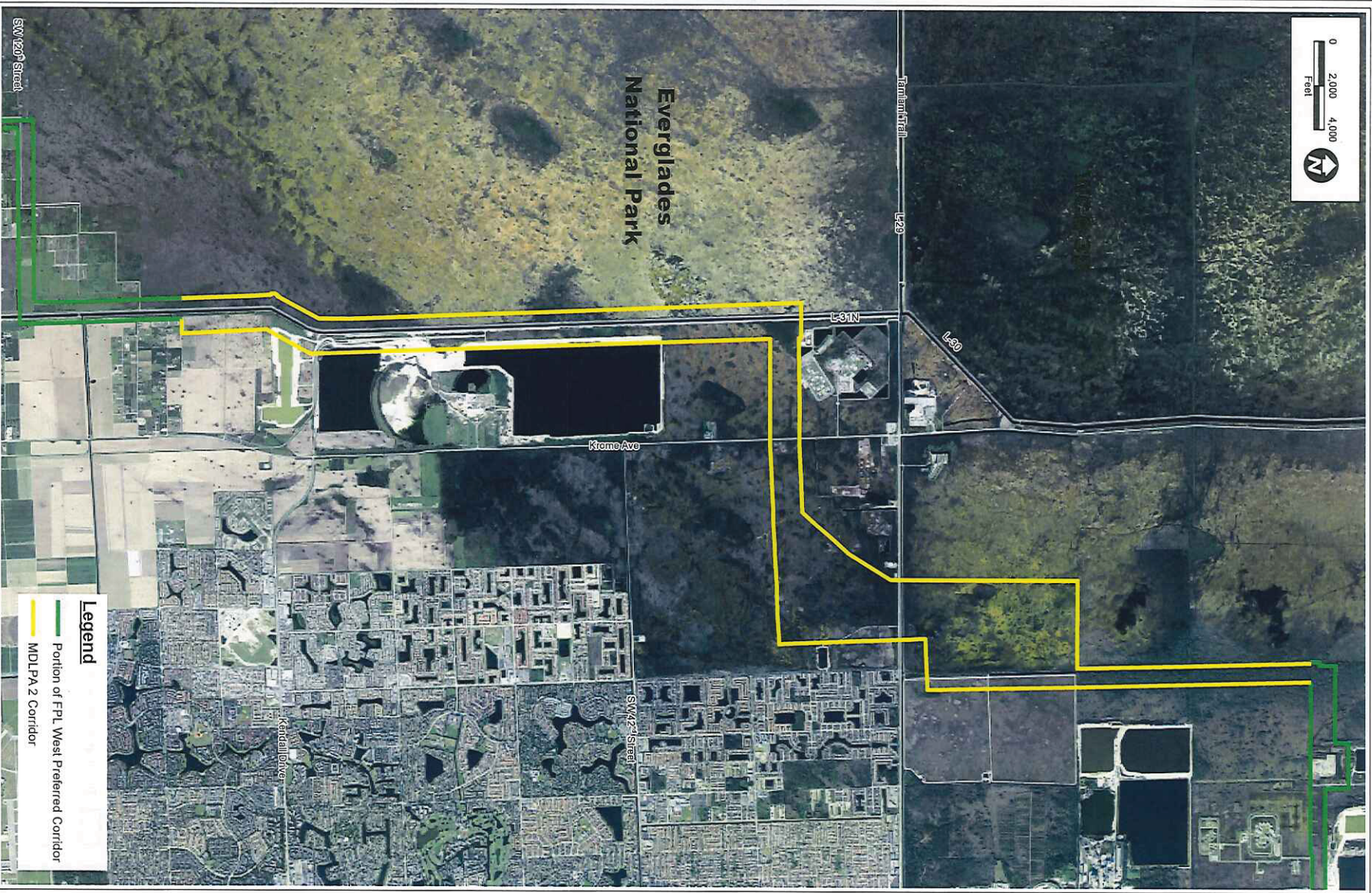


FIGURE 1.

WEST CONSENSUS CORRIDOR BETWEEN SW 120th STREET AND LEVEE SUBSTATION

Source: ECI2013.

PAGE 2 OF 2







Source: Esri, DigitalGlobe, GeoEye, IGN, GeoEye, USGS, AEX, Getmapping, Aergrid, IGN, IGN, IGN, and the GIS User Community


## LEGEND

- FPL Reclaimed Water Treatment Facility (Originally Proposed Location)
- FPL Reclaimed Water Treatment Facility Alternate Location (New Location)
- ▨ Proposed Roadway Improvements

## REFERENCES

1. Aerial Imagery, FDOT, 2009.
2. Proposed Site, Alternate Site Location, FPL, 2010 / 2011.
3. Cooling Canal Easement, ATR, Tousaint & Associates Inc., 2005

PROJECT		FPL	
TURKEY POINT UNITS 6 & 7 PROJECT		RECLAIMED WATER TREATMENT FACILITY PROPOSED AND ALTERNATE LOCATION	
TITLE		FPL	

		<b>FIGURE 2</b>
FILE No.	09387652F027	
REV.	0	
PLOT DATE 12/23/2013		Page 1 of 2







## LEGEND


FPL Reclaimed Water Treatment Facility Alternate Location (New Location)

### Habitat Classification

437 - Australian Pine  
 510 - Canal  
 511 - Ditches  
 612-B - Dwarf Mangroves  
 619-AP - Exotic Wetland Hardwoods / Australian Pine  
 6411 - Marsh Sawgrass  
 814 - Roads and Highways

## REFERENCES

1. Aerial Imagery, FDOT, 2009.
2. Alternate Site Location, FPL, 2011.
3. Wetland Impacts, Habitat Classifications, Golden Associates Inc., 2011.

PROJECT	TURKEY POINT UNITS 6 & 7 PROJECT	
TITLE	FPL RECLAIMED WATER TREATMENT FACILITY ALTERNATE LOCATION	
	FILE NO. 09387652F028	<b>FIGURE 2</b> Page 2 of 2
	REV. 0	
PLOT DATE 12/20/2013		