FORM#: 62-343.900(1)
FORM TITLE: JOINT ENVIRONMENTAL
RESOURCE PERMIT APPLICATION
DATE: October 3, 1995

JOINT APPLICATION FOR ENVIRONMENTAL RESOURCE PERMIT/

AUTHORIZATION TO USE SOVEREIGN SUBMERGED LANDS/

FEDERAL DREDGE AND FILL PERMIT

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION/
WATER MANAGEMENT DISTRICTS/
U.S. ARMY CORPS OF ENGINEERS

INSTRUCTIONS FOR JOINT APPLICATION FOR ENVIRONMENTAL RESOURCE PERMIT/AUTHORIZATION TO USE STATE OWNED SUBMERGED LANDS/FEDERAL DREDGE AND FILL PERMIT

INTRODUCTION

Attached is a joint application for:

1) activities regulated under Part IV of Chapter 373, F.S.;
2) activities which require authorization to use state owned submerged lands; and
3) activities which require federal dredge and fill permit.

Certain activities may qualify for an exemption. If an activity qualifies for an exemption, an application is not required, although the use of this application form is the most expeditious way for the agencies to make the determination that the activity qualifies for an exemption. Attachment 2 lists various regulated activities and the type of permit required for each activity. If you have any questions, please contact the staff of the nearest office of either the Florida Department of Environmental Protection (DEP) or a Water Management District (WMD).

PROCESSING AGENCY/DISTRICT SERVICE CENTERS

The Department of Environmental Protection ("Department" or "DEP") regulates some types of activities, and the Water Management Districts ("WMDs") regulate others. Attachment 1, DEP/WMD Permitting Responsibilities, specifies which activities are regulated by each agency. Environmental Resource Permit Applications shall be made to the appropriate District/Department office serving the area in which the activity is proposed. Attachment 4 designates the appropriate agency office for each geographic area.

COPIES/APPLICATION FEES

Submit an original signed application form plus **four** copies of the form, and **five** complete sets of all the requested drawings and other information to the appropriate DEP or WMD office. Submit the appropriate fee with your application. Application fees are listed in Attachment 3.

DISTRIBUTION TO U.S. ARMY CORPS OF ENGINEERS

When activities are proposed in, on or over wetlands or other surface waters, a portion of the application (Section A and Section C, with the associated drawings) will be forwarded to the Army Corps of Engineers (ACOE) by the reviewing agency. The ACOE will advise you of any additional information that may be required to complete your federal dredge and fill permit application. It is not necessary for the applicant to submit a separate application to the ACOE. The information requested in this application form may be more than required to make a complete application to the ACOE. However, it is useful and may be essential for subsequent evaluation. Reducing unnecessary paperwork and delays is a continuing goal of the ACOE.

DISTRIBUTION TO THE DEP FOR STATE LAND APPROVAL

If the applicant checks the box to request authorization to use sovereign submerged lands, the Department will begin processing the request for sovereign submerged lands approval. Additionally, if at any time during the processing of the application, it appears that the proposed activities may take place on sovereign submerged lands, the Department will initiate a review for the authorization to use such lands. For an explanation of sovereign submerged lands approval see Attachment 5.

NOTE: The information listed in Sections B, D, E, and F of this application package is not intended to be all-inclusive. Additional information may be requested by the reviewing agency in order to complete your application.

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"What Sections of the Application Must I Fill Out?"

Section:	Noticed General Permits	Individual Permits		
		Single-Family Residences	Others	Mitigation Banks
Section A	Yes	Yes	Yes	Yes
Section B	Yes			
Section C		Yes	Yes	Yes
Section D		Yes		
Section E			Yes	
Section F				Yes
Section G	As Needed	As Needed	As Needed	As Needed

SECTION A

FOR AGENCY USE ONLY	
ACOE Application #	DEP/WMD Application #
Date Application Received	Date Application Received
Proposed Project Lat.	Fee Received $
Proposed Project Long.	Fee Receipt #

PART 1:
Are any of the activities described in this application proposed to occur in, on, or over wetlands or other surface waters?
☒ yes ☐ no
Is this application being filed by or on behalf of a government entity or drainage district? ☐yes ☒no

PART 2:

A. Type of Environmental Resource Permit Requested (check at least one). See Attachment 2 for thresholds and descriptions.

- ☐ Noticed General - include information requested in Section B.
- ☐ Standard General (Single Family Dwelling) - include information requested in Sections C and D.
- ☐ Standard General (all other Standard General projects) - include information requested in Sections C and E.
- ☐ Individual (Single Family Dwelling) - include information requested in Sections C and D.
- ☒ Individual (all other Individual projects) - include information requested in Sections C and E.
- ☐ Conceptual - include information requested in Sections C and E.
- ☐ Mitigation Bank Permit (construction) - include information requested in Sections C and F. (If the proposed mitigation bank involves the construction of a surface water management system requiring another permit defined above, check the appropriate box and submit the information requested by the applicable section.)
- ☐ Mitigation Bank (conceptual) - include information requested in Sections C and F.

B. Type of activity for which you are applying (check at least one)

- ☐ Construction or operation of a new system, other than a solid waste facility, including dredging or filling in, on or over wetlands and other surface waters.
- ☐ Construction, expansion or modification of a solid waste facility.
- ☐ Alteration or operation of an existing system which was not previously permitted by a WMD or DEP.
- ☒ Modification of a system previously permitted by a WMD or DEP.
  Provide previous permit numbers: **Certification for C.D. McIntosh, Jr. Power Plant; Case # PA-74-06K**

☒	Alteration of a system	☐	Extension of permit duration
☐	Abandonment of a system	☐	Construction of additional phases of a system
☐	Removal of a system		

C. Are you requesting authorization to use Sovereign Submerged Lands?
☐yes ☒no
(See Section G and Attachment 5 for more information before answering this question.)

D. For activities in, on, or over wetlands or other surface waters, check type of federal dredge and fill permit requested:
☒Individual ☐Programmatic General ☐General
☐Nationwide ☐Not Applicable

E. Are you claiming to qualify for an exemption? ☐yes ☒no
If yes, provide rule number if known. ___

PART 3: **A. OWNER(S) OF LAND**	**B. ENTITY TO RECEIVE PERMIT (IF OTHER THAN OWNER)**
Name Ron Toporek, P.E.	Name
Title and Company Orlando Utilities Commission	Title and Company
Address 500 South Orange Avenue	Address
City, State, Zip Orlando, FL 32801	City, State, Zip
Telephone and Fax 407-384-4180 (phone) 407-384-4020 (fax)	Telephone and Fax
C. AGENT AUTHORIZED TO SECURE PERMIT	**D. CONSULTANT (IF DIFFERENT FROM AGENT)**
Name	Name
Title and Company	Title and Company
Address	Address
City, State, Zip	City, State, Zip
Telephone and Fax	Telephone and Fax

PART 4: (Please provide metric equivalent for federally funded projects):

A. Name of Project, including phase if applicable: **Maintenance of existing Lakeland-Taft 230 kV Transmission Corridor, McIntosh Substation - Lake Agnes Substation, Lake Agnes Substation - Osceola Substation and Osceola Substation - Cane Island Tap Segments**

B. Is this application for part of a multi-phase project?
☐yes ☒no

C. Total applicant-owned area contiguous to the project?
100 and 145' wide ROW easement, 35.07 miles = 597.54 acres; **241.82** ha.

D. Total area served by the system: **N/A** ac.; ___ ha.

E. Impervious area for which a permit is sought: **0** ac.; ___ ha.

F. Volume of water that the system is capable of impounding:
0 ac. ft.; **0** m

G. What is the total area of work in, on, or over wetlands or other surface waters?
Fill: **4.92** ac.; **1.99** ha. **214,315** sq. ft.; **19,910** sq. m.
Clear: **1.66** ac.; **0.67** ha. **72,310** sq. ft.; **6,718** sq. m.

H. Total volume of material to be dredged: **0** yd; **0** m

I. Number of new boat slips proposed: **0** wet slips; **0** dry slips

PART 5:

Project location (use additional sheets if needed):

McIntosh Substation – Lake Agnes Substation Segment

Polk County

Sections 4, 5	**Township 28 S**	**Range 24E**
Sections 11, 12, 14-16, 21, 28, 32, 33	**Township 27S**	**Range 24E**
Sections 7,8	**Township 27S**	**Range 25E**

Lake Agnes Substation - Osceola Substation Segment

Polk and Osceola Counties

Sections 1, 2, 8-11	**Township 27 S**	**Range 25 E**
Section 36	**Township 26 S**	**Range 25 E**
Section 22-24, 27-29, 31, 32	**Township 26 S**	**Range 26 E**
Sections 4, 9,16, 19-21	**Township 26 S**	**Range 27 E**
Sections 23, 26, 27, 33, 34	**Township 25 S**	**Range 27 E**

Osceola Substation - Cane Island Tap Segment

Osceola County

Sections 12-14, 23, 24	**Township 25S**	**Range 27E**
Sections 5, 7, 8	**Township 25S**	**Range 28E**

Land Grant name, if applicable:
Tax Parcel Identification Number:
Street Address Road or other location:
City, Zip Code, if applicable:

PART 6: Describe in general terms the proposed project, system, or activity.

Reconstruct and replace structures and facilities in the existing McIntosh Substation - Lake Agnes Substation Segment of the Lakeland-Taft 230 kV transmission line. To upgrade the transmission line as required, a larger conductor will be installed, the existing insulator systems will be upgraded, and structure modifications will be made to assure the line is structurally sound and the required safety clearances are maintained for the public and OUC personnel. In addition, structure access pads and access roads need to be upgraded for maintenance of the facilities. Wetland impacts include 4.57 acres of fill and 1.66 acres of conversion to herbaceous wetlands (wetland canopy clearing) associated with structure pad and access road improvements between the McIntosh Substation and Lake Agnes Substation. Of the unavoidable wetland impacts, 1.81 acres of fill and 1.66 acres of clearing are proposed within ACOE-jurisdictional wetlands.

Additional minor improvements to access roads and structure maintenance pads are proposed along both the Lake Agnes Substation – Osceola Substation and the Osceola Substation – Cane Island Tap Segments of the Lakeland – Taft 230 kV transmission line. Wetland impacts associated with these segments are limited to 0.20 acres (Lake Agnes-Osceola segment) and 0.15 acres (Osceola-Cane Island Tap segment). All of the unavoidable wetland impacts associated with these two segments are proposed within ACOE-jurisdictional wetlands.

Only the minimum amount of fill necessary to facilitate transmission line upgrades will be installed. Best management practices will be incorporated into the pad and access road improvement activities to minimize wetland impacts and preserve the existing hydroperiod through utilization of culverts. Unavoidable wetland impacts include a total of 4.92 acres of fill and 1.66 acres of conversion are associated with structure pad and access road improvements, representing 3.3 UMAM units of functional loss. Of the total impact acreage, 2.16 acres of fill and 1.66 acres of conversion are proposed within ACOE-jurisdictional wetlands, representing 2 UMAM units of functional loss. Mitigation to offset the loss of wetland functions will be through purchase of mitigation credits from the Boran Ranch and Hammock Lake mitigation banks. Impacts to 3.5 acres of herbaceous wetlands will be mitigated through purchase of 2.3 WRAP credits from the Boran Ranch mitigation bank. The functional loss associated with 0.47 acres of fill and 1.66 acres of canopy removal within forested wetlands will be mitigated through purchase of 0.9 UMAM credits from the Hammock Lake Mitigation Bank.

PART 7:

A. If there have been any pre-application meetings, including on-site meetings, with regulatory staff, please list the date(s), location(s), and names of key staff and project representatives.

B. Please identify by number any MSSW/Wetland Resource/ERP/ACOE Permits pending, issued or denied for projects at the location, and any related enforcement actions.

Agency	Date	No.\Type of Application	Action Taken
___	___	___	___
___	___	___	___
___	___	___	___

C. Note: The following information is required for projects proposed to occur in, on or over wetlands that need a federal dredge and fill permit or an authorization to use state owned submerged lands. Please provide the names, addresses and zip codes of property owners whose property directly adjoins the project (excluding application) and/or (for proprietary authorizations) is located within a 500 ft. radius of the applicant's land. Please attach a plan view showing the owner's names and adjoining property lines. Attach additional sheets if necessary.

1. **See Attachment A – Adjacent Property Owner Information**

2.

3.

4.

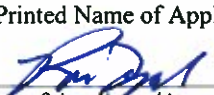
5.

6.

PART 8:

A. By signing this application form, I am applying, or I am applying on behalf of the applicant, for the permit and any proprietary authorizations identified above, according to the supporting data and other incidental information filed with this application. I am familiar with the information contained in this application and represent that such information is true, complete and accurate. I understand this is an application and not a permit, and that work prior to approval is a violation. I understand that this application and any permit issued or proprietary authorization issued pursuant thereto, does not relive me of any obligation for obtaining any other required federal, state, water management district or local permit prior to commencement of construction. I agree, or I agree on behalf of the applicant, to operate and maintain the permitted system unless the permitting agency authorizes transfer of the permit to a responsible operation entity. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

Ron Toporek
Typed/Printed Name of Applicant (If no Agent is used) or Agent (If one is so authorized below)



Signature of Applicant/Agent

9-2-2011
Date

Director of Transmission
(Corporate Title if applicable)

AN AGENT MAY SIGN ABOVE ONLY IF THE APPLICANT COMPLETES THE FOLLOWING:

B. I hereby designate and authorize the agent listed above to act on my behalf, or on behalf of my corporation, as the agent in the processing of this application for the permit and/or proprietary authorization indicated above; and to furnish, on request, supplemental information in support of the application. In addition, I authorize the above-listed agent to bind me, or my corporation, to perform any requirements which may be necessary to procure the permit or authorization indicated above. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

Typed/Printed Name of Applicant	Signature of Applicant	Date

(Corporate Title if applicable)

Please note: The applicant's original signature (not a copy) is required above.

PERSON AUTHORIZING ACCESS TO THE PROPERTY MUST COMPLETE THE FOLLOWING:

C. I either own the property described in this application or I have legal authority to allow access to the property, and I consent, after receiving prior notification, to any site visit on the property by agents or personnel from the Department of Environmental Protection, the Water Management District and the U.S. Army Corps of Engineers necessary for the review and inspection of the proposed project specified in this application. I authorize these agents or personnel to enter the property as many times as may be necessary to make such review and inspection. Further, I agree to provide entry to the project site for such agents or personnel to monitor permitted work if a permit is granted.

Ron Toporek		9/2/2011
Typed/Printed Name of Applicant	Signature of Applicant	Date

Director of Transmission
(Corporate Title if applicable)

SECTION C

Environmental Resource Permit Notice of Receipt of Application

Note: this form does not need to be submitted for noticed general permits.
This information is required in addition to that required in other sections of the application. Please submit five copies of this notice of receipt of application and all attachments with the other required information. Please submit all information on 8 1/2" x 11" paper.

Project Name	**Maintenance of existing Lakeland-Taft 230 kV Transmission Corridor, McIntosh Substation - Lake Agnes Substation, Lake Agnes Substation - Osceola Substation and Osceola Substation - Cane Island Tap Segments**
County	**Polk and Osceola Counties**
Owner	**Orlando Utilities Commission**
Applicant:	**Ron Toporek**
Applicant's Address:	**500 South Orange Avenue, Orlando, FL 32801**

1. Indicate the project boundaries on a USGS quadrangle map. Attach a location map showing the boundary of the proposed activity. The map should also contain a north arrow and a graphic scale; show Section(s), Township(s), and Range(s); and must be of sufficient detail to allow a person unfamiliar with the site to find it.

McIntosh Substation – Lake Agnes Substation Segment: Please see Attachment B – Site Location Information, Figure 1 – USGS Topographic Map.

Lake Agnes Substation – Osceola Substation Segment: Please see Attachment B – Site Location Information, Figure 2 – USGS Quadrangle Map.

Osceola Substation – Cane Island Tap Segment: Please see Attachment B – Site Location Information, Figure 3 – USGS Topographic Map.

2. Provide the names of all wetlands, or other surface waters that would be dredged, filled, impounded, diverted, drained, or would receive discharge (either directly or indirectly), or would otherwise be impacted by the proposed activity, and specify if they are in an Outstanding Florida Water or Aquatic Preserve:

No named wetlands, named surface waters, Outstanding Florida Waters, or Aquatic Preserves would be impacted by the proposed Project. Several freshwater marsh, wet prairie, reservoir, and ditch systems will be impacted through addition of fill material to enlarge existing transmission line structure pads and access roads. In addition, the relocation of a portion of the McIntosh Substation – Lake Agnes Substation segment will require 1.66 acres of canopy clearing within wetlands. The following table identifies the acreage of wetland impact, wetland type, ACOE jurisdictional status, corresponding Uniform Mitigation Assessment Method (UMAM) functional assessment score, and resulting number of mitigation credits required to offset the loss of wetland functions:

Wetland ID	FLUCFCS Code	Description	ACOE Jurisdictional (Y/N)	Impact Acreage		UMAM Score	Mitigation Credits
				Fill	Clearing		
McIntosh Substation – Lake Agnes Substation Segment							
60B	641	Freshwater Marsh	No	0.01	0	0.70	0.01
60C	641	Freshwater Marsh	No	0.07	0	0.70	0.05
49A	511	Ditch	No	0.06	0	0.50	0.03
48B	641	Freshwater Marsh	No	0.03	0	0.70	0.02
48C	641	Freshwater Marsh	No	0.04	0	0.70	0.03
45A	511	Ditch	Yes	0.01	0	0.50	0.01
44A	511	Ditch	Yes	0.01	0	0.50	0.01

Wetland ID	FLUCFCS Code	Description	ACOE Jurisdictional (Y/N)	Impact Acreage		UMAM Score	Mitigation Credits
				Fill	Clearing		
44B	621	Cypress	Yes	0.03	0.55[a]	0.80	0.19
43A	621	Cypress	Yes	0.02	0.39[a]	0.80	0.13
43B	641	Freshwater Marsh	Yes	0.36	0	0.70	0.25
40A/B	510/630/641	Stream/Mixed Wetland Forest/Freshwater Marsh	Yes	0.33	0.41[a]	0.80	0.39
37A	621	Cypress	Yes	0.09	0.31[a]	0.80	0.17
37B	641	Freshwater Marsh	No	0.13	0	0.70	0.09
37D	511	Ditch	No	0.03	0	0.50	0.02
35A	511	Ditch	Yes	0.01	0	0.50	0.01
35B	641	Freshwater Marsh	Yes	0.16	0	0.70	0.11
35D	641	Freshwater Marsh	No	0.04	0	0.70	0.03
34A	643	Wet Prairie	No	0.01	0	0.67	0.01
34C	643	Wet Prairie	No	0.01	0	0.67	0.01
33B	641	Freshwater Marsh	No	0.01	0	0.70	0.01
29A	641	Freshwater Marsh	No	0.36	0	0.70	0.25
27A	511	Ditch	Yes	0.09	0	0.50	0.05
27B	641	Freshwater Marsh	No	0.23	0	0.70	0.16
23A	534	Reservoir <10 acres	No	0.06	0	0.47	0.03
19A	641	Freshwater Marsh	No	0.06	0	0.70	0.04
16A/18A	641	Freshwater Marsh	No	0.53	0	0.70	0.37
13C	641	Freshwater Marsh	No	0.03	0	0.70	0.02
12A	641	Freshwater Marsh	Yes	0.14	0	0.70	0.10
9A/11A	641	Freshwater Marsh	Yes	0.56	0	0.70	0.39
8B	641	Freshwater Marsh	No	0.1	0	0.70	0.07
FDOT Retention Ponds (Wetlands 39, 46B, 46C)	534	Reservoir <10 acres	No	0.95	0	0.47	N/A[b]
SUBTOTAL				4.57	1.66		3.06
Lake Agnes Substation - Osceola Substation Segment							
77A	641	Freshwater Marsh	Yes	0.12	0	0.77	0.09
176A	511	Ditch	Yes	0.02	0	0.67	0.01
177A	641	Freshwater Marsh	Yes	0.06	0	0.77	0.05
SUBTOTAL				0.20	0		0.15
Osceola Substation - Cane Island Tap Substation Segment							
210A	534	Reservoir	Yes	0.15	0	0.50	0.08
SUBTOTAL				0.15	0		0.08
TOTAL (DEP-jurisdictional)				4.92	1.66		3.3
TOTAL (ACOE-jurisdictional)				2.16	1.66		2.0

[a]Functional loss of 0.3/acre applied to clearing of forested wetlands, see Attachment D, UMAM datasheets
[b]Previously permitted by FDOT

Locations of wetlands within all three segments are shown in Attachment C – Wetland Surveys. ACOE wetland datasheets, jurisdictional (Rapanos) forms, and Uniform Mitigation Assessment Method (UMAM) forms for wetlands in all three segments proposed for impact are included in Attachment D – ACOE and UMAM Forms. Mitigation for impact to herbaceous wetlands is proposed through purchase of WRAP credits from the Boran Ranch Mitigation Bank. WRAP datasheets for herbaceous wetlands proposed for impact are provided in Attachment D. Complete ACOE and UMAM forms for all wetlands within the McIntosh-Agnes and Osceola-Cane Island Tap Segments are provided in Appendices D and E of the Modification Request - Ecological Assessment Reports.

3. Attach a depiction (plan and section views), which clearly shows the works or other facilities proposed to be constructed. Use multiple sheets, if necessary. Use a scale sufficient to show the location and type of works.

Please refer to the Modification Request Appendix A – Drawings of Proposed Improvements.

4. Briefly describe the proposed project (such as "construct dock with boat shelter", "replace two existing culverts", "construct surface water management system to serve 150 acre residential development"):

Maintenance of existing transmission line structure pads and access roads, including addition of fill to expand structure pad size to allow required access for replacement of conductor arms and maintenance vehicles.

5. Specify the acreage of wetlands or other surface waters, if any, that are proposed to be filled, excavated, or otherwise disturbed or impacted by the proposed activity:

filled **4.92** ac.; _____ excavated ac.;

other impacts **1.66** ac. canopy clearing/conversion to herbaceous wetland

6. Provide a brief statement describing any proposed mitigation for impacts to wetlands and other surface waters (attach additional sheets if necessary):

According to the Uniform Mitigation Assessment Method (UMAM), the loss of wetland functions associated with the transmission line maintenance requires 3.3 credits of mitigation (0.9 credit forested, 2.4 credits herbaceous). OUC proposes to provide compensatory mitigation for the loss of wetland functions through purchase of herbaceous and forested mitigation credits from the Boran Ranch and Hammock Lake mitigation banks, respectively. The Boran Ranch Mitigation Bank utilizes the WRAP functional assessment methodology. Mitigation for impacts to 3.5 acres of relatively low-quality herbaceous wetlands requires 2.3 WRAP credits. Mitigation to replace the loss of wetland functions associated with 0.47 acres of fill and 1.66 acres of canopy removal within forested wetlands will be provided through the purchase of 0.9 forested UMAM credits from the Hammock Lake Mitigation Bank.

FOR AGENCY USE ONLY

Application Name:
Application Number:
Office where the application can be inspected:

Note to Notice recipient: The information in this notice has been submitted by the applicant, and has not been verified by the agency. It may be incorrect, incomplete or may be subject to change.

SECTION E

INFORMATION REQUESTED FOR STANDARD GENERAL, INDIVIDUAL AND CONCEPTUAL ENVIRONMENTAL RESOURCE PERMIT APPLICATIONS NOT RELATED TO A SINGLE FAMILY DWELLING UNIT

Please provide the information requested below if the proposed project requires either a standard general, individual, or conceptual approval environmental resource permit and is not related to an individual, single family dwelling unit, duplex or quadruplex. The information listed below represents the level of information that is usually required to evaluate an application. The level of information required for a specific project will vary depending on the nature and location of the site and the activity proposed. Conceptual approvals generally do not require the same level of detail as a construction permit. However, providing a greater level of detail will reduce the need to submit additional information at a later date. If an item does not apply to your project, proceed to the next item. Please submit all information that is required by the Department on either 8 1/2 in. X 11 in. paper or 11 in. X 17 in. paper. Larger drawings may be submitted to supplement but not replace these smaller drawings.

I. Site Information

A. Provide a map(s) of the project area and vicinity delineating USDA/SCS soil types.

McIntosh Substation – Lake Agnes Substation Segment: Please see Attachment B – Site Location Information, Figure 4 – Soils.

Lake Agnes Substation – Osceola Substation Segment: Please see Attachment B – Site Location Information, Figure 5 – Soil Survey.

Osceola Substation – Cane Island Tap Segment: Please see Attachment B – Site Location Information, Figure 6 – Soils.

B. Provide recent aerials, legible for photo interpretation with a scale of 1" = 400 ft, or more detailed, with project boundaries delineated on the aerial.

McIntosh Substation – Lake Agnes Substation Segment: Please see Attachment B – Site Location Information, Figure 7 – Aerial Map.

Lake Agnes Substation – Osceola Substation Segment: Please see Attachment B – Site Location Information, Figure 8 – Aerial Map.

Osceola Substation – Cane Island Tap Segment: Please see Attachment B – Site Location Information, Figure 9 – Aerial Map.

C. Identify the seasonal high water or mean high tide elevation and normal pool or mean low tide elevation for each on site wetland or surface water, including receiving waters into which runoff will be discharged. Include dates, datum, and methods used to determine these elevations.

The seasonal high water elevation is estimated from the wetland boundary line elevation for each wetland within the transmission line ROW. The normal pool elevation for wet prairie systems is saturated soils (no standing water), whereas the freshwater marsh normal pool elevation is approximately 4-12" below the seasonal high water elevation, approximated through hydric soil boundaries, lichen lines, adventitious rooting, and/or stained leaves.

D. Identify the wet season high water tables at the locations representative of the entire project site. Include dates, datum, and methods used to determine these elevations.

The wet season high water table along the transmission line ROW is variable, depending upon soil conditions. In upland areas of the ROW, dominant soils include Immokalee, Candler, and Pompano sands; the seasonal high water table for these series are 0-1, >6, and 0-1 feet below ground surface, respectively, according to the Soil

Surveys of Polk and Osceola County. Dominant hydric soils along the ROW include Samsula muck, Hontoon muck, and Eaton mucky fine sand; the seasonal high water table elevation for these series is 0-2 feet above ground surface, according to the Polk and Osceola County Soil Surveys.

II. Environmental Considerations

A. Provide results of any wildlife surveys that have been conducted on the site, and provide any comments pertaining to the project from the Florida Game and Fresh Water Fish Commission and the U.S. Fish and Wildlife Service.

<u>McIntosh Substation – Lake Agnes Substation Segment</u>:
The McIntosh Substation – Lake Agnes Substation transmission line ROW was assessed for the presence of threatened, endangered and/or species of special concern (listed species) in December 2007 and May 2011 via pedestrian and vehicular surveys. Prior to field reconnaissance, county-specific lists of threatened and endangered species were obtained from the Florida Natural Areas Inventory (FNAI). In addition, geographic information system (GIS) data were obtained from the FNAI, who maintain a database of known occurrences of listed species throughout the State of Florida. The FNAI database was queried and documented locations of listed species within the vicinity of the transmission line ROW identified.

Listed species identified within and adjacent to the ROW include the Sherman's fox squirrel (*Sciurus niger shermani*), classified as a species of special concern by the FFWCC, gopher tortoise (*Gopherus polyphemus*), classified as threatened by the FFWCC, and the wood stork (*Mycteria americana*), classified by both the USFWS and the FFWCC as endangered (see Attachment B – Site Location Information, Figure 10 – Listed Species Occurrences). Sixty-six gopher tortoise burrows were identified within the ROW. A summary of their latitude and longitude locations and status (inactive, active) are presented in Table 3 of the McIntosh-Lake Agnes Ecological Assessment Report (Appendix C of the Modification Request). Prior to construction, OUC will submit a gopher tortoise relocation permit application to the FFWCC for any burrows that are located within 25 feet of the proposed construction.

Two American kestrels (*Falco sparverius*) and three sandhill cranes were observed within the ROW during December, but due to the time of year it could not be determined if the species observed were the listed (threatened) subspecies, the southeastern American kestrel (*Falco sparverius paulus*) and Florida sandhill crane (*Grus canadensis pratensis*). The southeastern American kestrel is found throughout Florida year-round, while non-listed migrant kestrels generally arrive in September and depart by March; therefore, the kestrels observed could be the non-listed variety. Similarly, it could not be determined if the non-listed migrant greater sandhill crane (*G. canadensis tabida*) was observed, which generally arrives in October and departs by March. The two subspecies of sandhill crane are indistinguishable; therefore identification is largely dependent on the time of year the cranes are observed. The Florida sandhill crane is found throughout Florida year-round in prairies, freshwater marshes, and pastures. Based on the presence of Florida sandhill cranes' preferred habitat, it can reasonably be assumed that they inhabit the ROW.

Bald eagles (*Haliaeetus leucocephalus*) were observed flying over the ROW. The bald eagle was removed from the USFWS endangered species list on June 28, 2007 and is no longer protected under the Endangered Species Act, but remains protected under the Bald and Golden Eagle Protection Act and the Migratory Bird Treaty Act (U.S. Department of Interior, 2007). The bald eagle has also been delisted by the FFWCC through adoption of the Bald Eagle Management Plan on April 9, 2008 (FFWCC, 2008). The FFWCC bald eagle management plan recommends maintaining a 660 ft buffer zone around active nests, with certain activities allowable within between 330 and 660 ft of an active nest outside of the nesting season. The FFWCC bald eagle nest location database (https://public.myfwc.com/FWRI/EagleNests/nestlocator.aspx) was queried and revealed one nest within 660' of the ROW, Nest ID PO050, located approximately 200 feet east of the transmission line ROW between Structures 18 and 19. According to FFWCC bald eagle nest locator data, this nest was active in 2003 and 2007, and last surveyed in 2008 (FFWCC, 2011). OUC will consult with the FFWCC to determine appropriate strategies to avoid adverse impacts to the nest in accordance with the FFWCC Bald Eagle Management Plan.

The FNAI database search revealed no occurrences of listed species within the transmission line ROW. The nearest occurrences were of a blue tailed mole skink (*Eumeces egregious lividus*) and a bird rookery containing little blue heron (*Egretta caerulea*), snowy egret (*Egretta thula*), and great egret (*Ardea alba*), approximately 500 and 750 feet from the transmission line ROW, respectively (see Attachment B – Site Location Information, Figure 10 – Listed Species Occurrences).

Non-listed wildlife either directly observed, observed through tracks, scat, and/or burrows, or likely to occur based upon habitat present include, but are not limited to, coyote (*Canis latrans*), feral hog (*Sus scrofa*), white-tailed deer (*Odocoileus virginianus*), nine-banded armadillo (*Dasypus novemcinctus*), Virginia opossum (*Didelphis virginiana*), raccoon (*Procyon lotor*), gray fox (*Urocyon cinereoargenteus*), Eastern cottontail (*Sylvilagus floridanus*), green tree frog (*Hyla cinerea*), ribbon snake (*Thamnophis sauritus*), turkey (*Meleagris gallopavo*), black vulture (*Coragyps atratus*), turkey vulture (*Cathartes aura*), osprey (*Pandion haliaetus*), red-tailed hawk (*Buteo jamaicensis*), red-shouldered hawk (*Buteo lineatus*), swallow-tailed kite (*Elanoides forficatus*), anhinga (*Anhinga anhinga*), double-crested cormorant (*Phalacrocorax auritus*), belted kingfisher (*Cerle alcyon*), cardinal (*Cardinalis cardinalis*), American crow (*Corvus brachyrhynchos*), Northern mockingbird (*Mimus polyglottis*), catbird (*Dumetella carolinensis*), Eastern phoebe (*Sayornis phoebe*), common ground dove (*Columbina passerina*), Northern harrier (*Circus cyaneus*), Northern bobwhite (*Colinus virginianus*), killdeer (*Charadrius vociferous*), loggerhead shrike (*Lanius ludovicinanus*), mourning dove (*Zenaida macroura*), Eastern meadowlark (*Sturnella magna*), brown thrasher (*Toxostoma rufum*), cattle egret (*Bulbucis ibis*), great blue heron (*Ardea herodias*), great egret, muscovy duck (*Cairina moschata*), and mallard (*Anas platyrhynchus*).

<u>Lake Agnes Substation – Osceola Substation Segment</u>:
The Lake Agnes Substation – Osceola Substation transmission line ROW was assessed for the presence of threatened, endangered and/or species of special concern (listed species) in June, August, and December 2006 and May 2011 via pedestrian and vehicular surveys. Prior to field reconnaissance, county-specific lists of threatened and endangered species were obtained from the FNAI. In addition, GIS data were obtained from the FNAI, who maintain a database of known occurrences of listed species throughout the State of Florida. The FNAI database was queried and documented locations of listed species within the vicinity of the transmission line ROW identified.

Listed species identified within and adjacent to the ROW include gopher tortoise, classified by the FFWCC as threatened, bald eagle, classified by both the USFWS and the FFWCC as threatened, southeastern American kestrel, classified as threatened by the FFWCC, and several species of wading birds classified by the FFWCC as species of special concern. These include the little blue heron (*Egretta caerulea*), white ibis (*Eudocimus albus*), snowy egret (*Egretta thula*), and tricolored heron (*Egretta tricolor*). Although not observed, additional listed species that are likely to occasionally utilize habitat within the ROW include the wood stork and Florida sandhill crane. The wood stork is classified as endangered by both the USFWS and the FFWCC, while the sandhill crane is classified as threatened by the FFWCC and is not listed by the USFWS. No nesting areas were observed along the ROW. The FFWCC bald eagle nest location database ((https://public.myfwc.com/FWRI/EagleNests/nestlocator.aspx) was queried and revealed one nest within 660' of the ROW, Nest PO156, located adjacent to Structure 78 near Lake Mattie. This nest was active in 2007, and last surveyed in 2008 (FFWCC, 2011). No work is proposed within 660' of this nest, therefore no adverse impacts to the bald eagle are anticipated within the Lake Agnes Substation to Osceola Substation segment.

Gopher tortoise burrow locations are identified in Attachment B – Site Location Information, Figure 11 – Florida Natural Areas Inventory Documented Occurrences of Listed Species within Vicinity of ROW and Gopher Tortoise Burrow Locations; in order to avoid impacts, a 25-foot minimum buffer around gopher tortoise burrows will be adhered to during upgrade of the transmission line structure pads and access roads. If a specific gopher tortoise burrow cannot be avoided, OUC will submit a gopher tortoise relocation permit application to the FFWCC, the burrow will be excavated, and the tortoise relocated within the ROW prior to initiation of transmission line upgrades, in consultation with representatives of the FFWCC.

The FNAI database includes several documented occurrences of listed species adjacent to the ROW (Attachment B – Site Location Information, Figure 11 – Florida Natural Areas Inventory Documented Occurrences of Listed Species within Vicinity of ROW and Gopher Tortoise Burrow Locations), including the Florida scrub lizard (*Sceloporus woodi*), Florida mouse (*Podomys floridanus*), gopher tortoise, southeastern American kestrel, tricolored heron, and sand skink (*Neoseps reynoldsi*). Listed plants identified on the FNAI database as occurring adjacent to the ROW include Small's jointweed (*Polygonella myriophylla*), Florida bonamia (*Bonamia grandiflora*), Britton's beargrass (*Nolina brittoniana*), and longleaf buckwheat (*Eriogonum longifolium* var. *gnaphalifolium*). No listed plant species were observed within the ROW. No significant adverse impacts to any listed plant or animal species are anticipated as a result of the proposed transmission line maintenance activities.

Non-listed wildlife either directly observed, observed through tracks, scat, and/or burrows, or likely to occur based upon habitat present include but are not limited to turkey, black vulture, osprey, feral hog, bobwhite quail,

armadillo, white tailed deer, grey squirrel, Eastern cottontail, red-tailed hawk, mockingbird, red-shouldered hawk, killdeer, mourning dove, barred owl (*Strix varia*), leopard frog (*Rana sphenocephala*), water moccasin (*Agkistrodon piscivorus*), black racer (*Coluber constrictor*), and rufous-sided towhee (*Pipilo erythrophthalmus*).

Osceola Substation – Cane Island Tap Segment:
The transmission line ROW was assessed for the presence of threatened, endangered and/or species of special concern (listed species) in December 2007, October 2008, and May 2011 via pedestrian and vehicular surveys. Prior to field reconnaissance, county-specific lists of threatened and endangered species were obtained from the FNAI. In addition, GIS data were obtained from the FNAI, who maintains a database of known occurrences of listed species throughout the State of Florida. The FNAI database was queried and documented locations of listed species within the vicinity of the transmission line ROW identified.

Listed species identified within the ROW were limited to the wood stork, sandhill crane, and American kestrel (see Attachment B – Site Location Information, Figure 12 – Listed Species Occurrences). The wood stork is classified by both the USFWS and the FFWCC as endangered; the sandhill crane is classified as threatened by the USFWS and the FFWCC; the Southeastern American kestrel is classified as threatened by the FFWCC, but is not listed federally by the USFWS. The FNAI database search revealed no occurrences of listed species within the transmission line ROW.

Wood storks utilize forested and herbaceous wetlands throughout the state. The Florida sandhill crane occurs in wet prairies, freshwater marshes, and pastures. The southeastern American kestrel is found throughout Florida year-round, but identification is complicated by the arrival of migrant non-listed American kestrels (*Falco sparverius*) in the winter. Migrant kestrels generally arrive in September and depart by March; therefore, the kestrels observed could be the non-listed variety.

Although not observed, wetland habitats within the ROW provide suitable habitat for additional wading birds that are not considered threatened or endangered, but are classified by the FFWCC as species of special concern, including the little blue heron, white ibis, tricolored heron, and snowy egret.

The FFWCC bald eagle nest location database (https://public.myfwc.com/FWRI/EagleNests/nestlocator.aspx) was queried and revealed no nests within 660' of the ROW; therefore no limitations to maintenance of the Osceola Substation to Cane Island Tap transmission line segment with regards to bald eagle nests are anticipated.

Non-listed wildlife either directly observed, observed through tracks, scat, and/or burrows, or likely to occur based upon habitat present include but are not limited to coyote (*Canis latrans*), bobcat (*Felis rufus*), otter (*Lutra canadensis*), white tailed deer, armadillo, feral hogs, raccoon, gray fox, marsh rabbit (*Sylvilagus palustris*), Eastern cottontail, white ibis, wood ducks (*Aix sponsa*), cormorant (*Phalacrocorax auritus*), glossy ibis (*Plegadis falcinellus*), black vulture, osprey, red-tailed hawk, red-shouldered hawk, killdeer, cattle egret, great blue heron, great egret, catbird (*Dumetella carolinensis*), yellow rumped warbler (*Dendroica coronata*), Wilson's snipe (*Gallinago delicata*), eastern phoebe, hooded merganser (*Lophodytes cucullatus*), green tree frog (*Hyla cinerea*), southern leopard frog (*Rana sphenocephala*), ribbon snake (*Thamnophis sauritus*), and largemouth bass (*Micropterus salmoides*).

B. Provide a description of how water quantity, quality, hydroperiod, and habitat will be maintained in on-site wetlands and other surface waters that will be preserved or will remain undisturbed.

Enlarging the existing transmission line structure pads will not significantly impact water quantity, quality, hydroperiod, or habitat. Areas of fill will be isolated from adjacent wetlands through installation of silt fencing along the perimeter of the enlarged structure pad.

C. Provide a narrative description of any proposed mitigation plans, including purpose, maintenance, monitoring, and construction sequence and techniques, and estimated costs.

OUC proposes to provide compensatory mitigation for the loss of wetland functions through purchase of 2.3 herbaceous credits from the Boran Ranch Mitigation Bank and 0.9 forested credits from the Hammock Lake Mitigation Bank.

D. Describe how boundaries of wetlands or other surface waters were determined. If there has ever been a jurisdictional declaratory statement, a formal wetland determination, a formal determination, a validated informal determination, or a revalidated jurisdictional determination, provide the identifying number.

Jurisdictional wetland areas were identified in accordance with applicable federal and state wetland criteria as set forth by the U.S. Army Corps of Engineers (ACOE) and the Florida Department of Environmental Protection (FDEP). Specifically, the ROWs were examined for the presence of hydrophytic vegetation, hydric soils, and hydrological indicators, by which the landward extent of wetlands was marked in the field with sequentially-numbered flagging tape and delineated upon aerial photography. The flagged boundaries were subsequently surveyed by a licensed professional survey crew; the completed surveys are attached (See Attachment C – Wetland Surveys).

E. Impact Summary Tables:

1. For all projects, complete Tables 1, 2 and 3 as applicable.

Tables 1 and 2 are attached.

2. For docking facilities or other structures constructed over wetlands or other surface waters, provide the information requested in Table 4.

N/A

3. For shoreline stabilization projects, provide the information requested in Table 5.

N/A

III. Plans

Provide clear, detailed plans for the system including specifications, plan (overhead) views, cross sections (with the locations of the cross sections shown on the corresponding plan view), and profile (longitudinal) views of the proposed project. The plans must be signed and sealed by an appropriate registered professional as required by law. Plans must include a scale and a north arrow. These plans should show the following:

Please refer to the Modification Request, Appendices A, F, and G, which describe the work to be performed, summarizes the proposed structure and access road improvements, and includes drawings of the proposed improvements, compensating floodplain storage designs, and design and permit for expansion of FDOT retention ponds.

A. Project area boundary and total land area, including distances and orientation from roads or other land marks;

McIntosh Substation – Lake Agnes Substation Segment: Please see Attachment B – Site Location Information, Figure 1 – USGS Topographic Map.

Lake Agnes Substation – Osceola Substation Segment: Please see Attachment B – Site Location Information, Figure 2 – USGS Quadrangle Map.

Osceola Substation – Cane Island Tap Segment: Please see Attachment B – Site Location Information, Figure 3 – USGS Topographic Map. The transmission line ROW traverses 35.07 miles, with a width of approximately 100 and 145 feet (597.54 acres).

B. Existing land use and land cover (acreage and percentages), and on-site natural communities, including wetlands and other surface waters, aquatic communities, and uplands. Use the Florida Land Use Cover & Classification System (FLUCCS)(Level 3) for projects proposed in the South Florida Water Management District, the St. Johns River Water Management District, and the Suwannee River Water Management District and use the National Wetlands Inventory (NWI) for projects proposed in the Southwest Florida Water Management District. Also identify each community with a unique identification number which must be consistent in all exhibits.
McIntosh Substation – Lake Agnes Substation Segment: Please see Attachment B – Site Location Information, Figure 13 – Land Use and Land Cover. SWFWMD landuse/landcover and approximate acreage within the ROW is provided below:

Land Use	FLUCFCS	Acreage	Percent
Low Density Residential	110	2.4	1.4
Extractive	160	2.4	1.4
Recreational	180	3.22	1.9
Cropland/Pastureland	210	54.83	32.9
Shrub and Brushland	320	0.44	0.3
Pine Flatwoods	411	1.73	1.0
Upland Hardwood Forest	420	0.23	0.1
Upland Hardwood/Conifer Forest	434	0.03	0.0
Lakes	520	0.01	0.0
Reservoirs	530	3.84	2.3
Stream and Lake Swamp	615	0.32	0.2
Cypress	621	0.47	0.3
Mixed Wetland Forest	630	0.67	0.4
Freshwater Marsh	641	16.36	9.8
Emergent Aquatic Vegetation	644	0.42	0.2
Disturbed Land	740	39.93	24.0
Transportation	810	6.72	4.0
Communications	820	0.01	<0.1
Utilities	830	32.63	19.6
TOTAL		**166.6**	**100**

<u>Lake Agnes Substation – Osceola Substation Segment:</u> Please see Attachment B – Site Location Information, Figure 14 – Land Use/Land Cover. SWFWMD and SFWMD landuse/landcover and approximate acreage within the ROW is provided below:

Land Use	FLUCFCS	Acreage	Percent
Low Density Residential	110	0.90	0.24
Medium Density Residential	120	2.07	0.55
High Density Residential	130	8.35	2.20
Commercial and Services	140	0.03	0.01
Industrial	150	1.72	0.45
Extractive	160	1.84	0.49
Open Land	190	31.36	8.28
Cropland/Pastureland	210	129.79	34.29
Tree Crops	220	6.50	1.72
Rural Open Lands	260	25.12	6.64
Shrub and Brushland	320	24.57	6.49
Pine Flatwoods	411	11.42	3.02
Upland Hardwood Forest	420	0.05	0.01
Upland Hardwood/Conifer Forest	434	0.09	0.02
Lakes	520	3.92	1.03
Reservoirs	530	1.60	0.42
Stream and Lake Swamp	615	7.40	1.96
Wetland Coniferous Forests	620	1.27	0.33
Cypress	621	0.88	0.23
Mixed Wetland Forest	630	7.07	1.87
Freshwater Marsh	641	67.59	17.86
Wet Prairies	643	5.89	1.55
Transportation	810	7.79	2.06
Communications	820	0.15	0.04
Utilities	830	31.17	8.23
TOTAL		**378.52**	**100**

<u>Osceola Substation – Cane Island Tap Segment:</u> Please see Attachment B – Site Location Information, Figure 15 – Land Use and Land Cover. SFWMD landuse/landcover and approximate acreage within the ROW is provided below:

Land Use	FLUCFCS	Acreage	Percent
Commercial and Services	140	6.48	8.92
Light Commercial	141	1.89	2.61
Herbaceous Upland Nonforested	310	16.69	22.99
Shrub and Brushland	320	0.27	0.37
Pine Flatwoods	411	1.56	2.15
Streams and Waterways	512	0.23	0.32
Reservoirs	530	7.50	10.33
Mixed Wetland Hardwoods	617	9.71	13.37
Cypress	621	0.28	0.39
Hydric Pine Flatwoods	625	0.02	0.03
Wetland Forested Mixed	630	0.64	0.88
Spoil Areas	743	0.59	0.81
Roads and Highways	814	5.18	7.14
Electrical Power Facilities	831	1.20	1.65
Electrical Power Transmission Lines	832	20.37	28.06
TOTAL		**72.61**	**100**

C. The existing topography extending at least 100 feet off the project area, and including adjacent wetlands and other surface waters. All topography shall include the location and a description of known benchmarks, referenced to NGVD. For systems waterward of the mean high water (MHW) or seasonal high water lines, show water depths, referenced to mean low water (MLW) in tidal areas or seasonal low water in non-tidal areas, and list the range between MHW and MLW. For docking facilities, indicate the distance to, location of, and depths of the nearest navigational channel and access routes to the channel.

McIntosh Substation – Lake Agnes Substation Segment: Please see Attachment B – Site Location Information, Figure 1 – USGS Topographic Map.

Lake Agnes Substation – Osceola Substation Segment: Please see Attachment B – Site Location Information, Figure 2 – USGS Quadrangle Map.

Osceola Substation – Cane Island Tap Segment: Please see Attachment B – Site Location Information, Figure 3 – USGS Topographic Map.

D. If the project is in the known flood plain of a stream or other water course, identify the following: 1) the flood plain boundary and approximate flooding elevations; and 2) the 100-year flood elevation and floodplain boundary of any lake, stream or other watercourse located on or adjacent to the site;

McIntosh Substation – Lake Agnes Substation Segment: Please see Attachment B – Site Location Information, Figure 16 – Floodplain Zones.

Lake Agnes Substation – Osceola Substation Segment: Please see Attachment B – Site Location Information, Figure 17 – Floodplain Map.

Osceola Substation – Cane Island Tap Segment: Please see Attachment B – Site Location Information, Figure 18 – Floodplain Zones.

E. The boundaries of wetlands and other surface waters within the project area. Distinguish those wetlands and other surface waters that have been delineated by any binding jurisdictional determination;

Please see Attachment C – Wetland Surveys.

F. Proposed land use, land cover and natural communities (acreage and percentages), including wetlands and other surface waters, undisturbed uplands, aquatic communities, impervious surfaces, and water management areas. Use the same classification system and community identification number used in III (B) above.

No change in the existing land cover and natural communities will occur except for the addition of fill along the existing transmission line structure pads and addition of fill for access road improvements. No significant change in land use, land cover, or natural communities will occur as a result of the transmission line maintenance project.

G. Proposed impacts to wetlands and other surface waters, and any proposed connections/outfalls to other surface waters or wetlands;

Impacts to wetlands include 4.92 acres of fill necessary to allow access by maintenance vehicles to the existing transmission line structure pads and fill necessary for access roads. In addition, 1.66 acres of conversion to herbaceous wetlands will result from clearing of canopy species. No connections/outfalls to other surface waters or wetlands are proposed.

H. Proposed buffer zones;

All work will be conducted within the existing transmission line ROW; no buffers are proposed.

I. Pre- and post-development drainage patterns and basin boundaries showing the direction of flows, including any off-site runoff being routed through or around the system; and connections between wetlands and other surface waters;

Expansion of the existing structure pads will not result in any significant changes in drainage patterns. Where access road maintenance is required through wetlands, culverts will be installed as necessary to maintain hydrologic connectivity. Any fill placed within the limits of the 100-year floodplain will be compensated through design of areas of compensating floodplain storage, as described in the Modification Request Appendix F.

J. Location of all water management areas with details of size, side slopes, and designed water depths;

See Modification Request, Appendices F and G.

K. Location and details of all water control structures, control elevations, any seasonal water level regulation schedules; and the location and description of benchmarks (minimum of one benchmark per structure);

The addition of fill to existing transmission line structure pads and access roads will not require any water control structures.

L. Location, dimensions and elevations of all proposed structures, including docks, seawalls, utility lines, roads, and buildings;

N/A

M. Location, size, and design capacity of the internal water management facilities;

N/A

N. Rights-of-way and easements for the system, including all on-site and off-site areas to be reserved for water management purposes, and rights-of-way and easements for the existing drainage system, if any;

N/A; all work will be conducted within the existing transmission line ROW. No areas for water management purposes or drainage systems are necessary. Where impacts to FDOT retention basins are proposed, please see Modification Request, Appendix G, for design and permit for expansion of ponds to replace volume of storage capacity.

O. Receiving waters or surface water management systems into which runoff from the developed site will be discharged;

No significant change in existing conditions will occur; no surface water management systems are necessary.

P. Location and details of the erosion, sediment and turbidity control measures to be implemented during each phase of construction and all permanent control measures to be implemented in post-development conditions;

Silt fencing will be installed along the perimeter of all pads and access road areas in need of maintenance in order to prevent turbidity impacts to adjacent wetlands.

Q. Location, grading, design water levels, and planting details of all mitigation areas;

N/A

R. Site grading details, including perimeter site grading;

No perimeter site grading will be required; only addition of fill to enlarge existing transmission structure pads and improve access roads.

S. Disposal site for any excavated material, including temporary and permanent disposal sites;

N/A

T. Dewatering plan details;

N/A

U. For marina facilities, locations of any sewage pumpout facilities, fueling facilities, boat repair and maintenance facilities, and fish cleaning stations;

N/A

V. Location and description of any nearby existing offsite features which might be affected by the proposed construction or development such as stormwater management ponds, buildings or other structures, wetlands or other surface waters.

No offsite features will be affected by the transmission line maintenance activities.

W. For phased projects, provide a master development plan.

N/A

IV. Construction Schedule and Techniques

Provide a construction schedule, and a description of construction techniques, sequencing and equipment. This information should specifically include the following:

A. Method for installing any pilings or seawall slabs;

N/A

B. Schedule of implementation of temporary or permanent erosion and turbidity control measures;

Temporary erosion and turbidity control measures will be installed prior to addition of fill material in order to prevent the discharge of turbid waters to adjacent undisturbed wetlands and/or surface waters. Permanent erosion and turbidity control measures include seeding the structure pads with native grasses to prevent erosion of fill material.

C. For projects that involve dredging or excavation in wetlands or other surface waters, describe the method of excavation, and the type of material to be excavated;

The project involves addition of fill to expand existing structure pads; no dredging is anticipated.

D. For projects that involve fill in wetlands or other surface waters, describe the source and type of fill material to be used. For shoreline stabilization projects that involve the installation of riprap, state how these materials are to be placed, (i.e., individually or with heavy equipment) and whether the rocks will be underlain with filter cloth;

Only clean fill material will be utilized to expand the existing transmission line structure pads.

E. If dewatering is required, detail the dewatering proposal including the methods that are proposed to contain the discharge, methods of isolating dewatering areas, and indicate the period dewatering structures will be in place (Note: a consumptive use or water use permit may by required);

No dewatering is anticipated.

F. Methods for transporting equipment and materials to and from the work site. If barges are required for access, provide the low water depths and draft of the fully loaded barge;

Equipment will be transported via truck upon the existing transmission line access roads.

G. Demolition plan for any existing structures to be removed; and

N/A

H. Identify the schedule and party responsible for completing monitoring, record drawings, and as-built certifications for the project when completed.

OUC will remain the party responsible for completing monitoring, record drawings, and as-built certifications for the project when completed.

V. Drainage Information

The maintenance activities involve expansion of existing transmission line structure pads and will not significantly alter any drainage patterns within the existing ROW. The original conditions of certification will be adhered to, with the only modification being the larger pad structures necessary to fulfill maintenance requirements and access road improvements. Drainage information is provided in the original Certification for C.D. McIntosh, Jr. Power Plant; Case # PA-74-06K. No significant impacts to adjacent wetlands will occur through implementation of best management practices, including silt fencing and hay bales, where appropriate.

A. Provide pre-development and post-development drainage calculations, signed and sealed by an appropriate registered professional, as follows:

1. Runoff characteristics, including area, runoff curve number or runoff coefficient, and time of concentration for each drainage basin;

2. Water table elevations (normal and seasonal high) including aerial extent and magnitude of any proposed water table draw down;

3. Receiving water elevations (normal, wet season, design storm);

4. Design storms used including rainfall depth, duration, frequency, and distribution;

5. Runoff hydrograph(s) for each drainage basin, for all required design storm event(s);

6. Stage-storage computations for any area such as a reservoir, close basin, detention area, or channel, used in storage routing;

7. Stage-discharge computations for any storage areas at a selected control point, such as control structure or natural restriction;

8. Flood routings through on-site conveyance and storage areas;

9. Water surface profiles in the primary drainage system for each required design storm event(s);

10. Runoff peak rates and volumes discharged from the system for each required design storm event(s);

11. Tail water history and justification (time and elevation); and

12. Pump specifications and operating curves for range of possible operating conditions (if used in system).

B. Provide the results of any percolation tests, where appropriate, and soil borings that are representative of the actual site conditions;

C. Provide the acreage, and percentages of the total project, of the following:

1. Impervious surfaces, excluding wetlands;

2. Pervious surfaces (green areas, not including wetlands);

3. Lakes, canals, retention areas, other open water areas; and

4. Wetlands.

D. Provide an engineering analysis of floodplain storage and conveyance (if applicable), including:

1. Hydraulic calculations for all proposed traversing works;

2. Backwater water surface profiles showing upstream impact of traversing works;

3. Location and volume of encroachment within regulated floodplain(s); and

4. Plan for compensating floodplain storage, if necessary, and calculations required for determining minimum building and road flood elevations.

The work proposed will result in approximately 16,010 cubic yards of impact to floodplain areas. Compensating storage areas will be constructed to offset this floodplain impact (see Modification Request, Appendix F).

E. Provide an analysis of the water quality treatment system including:

1. A description of the proposed stormwater treatment methodology that addresses the type of treatment, pollution abatement volumes, and recovery analysis; and

2. Construction plans and calculations that address stage-storage and design elevations, which demonstrate compliance with the appropriate water quality treatment criteria.

F. Provide a description of the engineering methodology, assumptions and references for the parameters listed above, and a copy of all such computations, engineering plans, and specifications used to analyze the system. If a computer program is used for the analysis, provide the name of the program, a description of the program, input and output data, two diskette copies, if available, and justification for model selection.

VI. Operation and Maintenance and Legal Documentation

A. Describe the overall maintenance and operation schedule for the proposed system.

OUC will maintain the transmission line as necessary to provide continuous electrical service to its customers.

B. Identify the entity that will be responsible for operating and maintaining the system in perpetuity if different than the permittee, a draft document enumerating the enforceable affirmative obligations on the entity to properly

operate and maintain the system for its expected life, and documentation of the entity's financial responsibility for long-term maintenance. If the proposed operation and maintenance entity is not a property owner's association, provide proof of the existence of an entity, or the future acceptance of the system by an entity which will operate and maintain the system. If a property owner's association is the proposed operation and maintenance entity, provide copies of the articles of incorporation for the association and copies of the declaration, restrictive covenants, deed restrictions, or other operational documents that assign responsibility for the operation and maintenance of the system. Provide information ensuring the continued adequate access to the system for maintenance purposes. Before transfer of the system to the operating entity will be approved, the permittee must document that the transferee will be bound by all terms and conditions of the permit.

OUC will remain the responsible entity for operation and maintenance of the transmission line in perpetuity.

C. Provide copies of all proposed conservation easements, storm water management system easements, property owner's association documents, and plats for the property containing the proposed system.

N/A – project is wholly located within existing transmission line ROW.

D. Provide indication of how water and waste water service will be supplied. Letters of commitment from off-site suppliers must be included.

N/A

E. Provide a copy of the boundary survey and/or legal description and acreage of the total land area of contiguous property owned/controlled by the applicant.

The transmission line ROW traverses 35.07 miles, with a width of approximately 100 and 145 feet, comprising approximately 597.5 acres. A legal description is found in the Certification for C.D. McIntosh, Jr. Power Plant; Case # PA-74-06K.

VII. Water Use

A. Will the surface water system be used for water supply, including landscape irrigation, or recreation.

N/A

B. If a Consumptive Use or Water Use permit has been issued for the project, state the permit number.

N/A

C. If no Consumptive Use or Water Use permit has been issued for the project, indicate if such a permit will be required and when the application for a permit will be submitted.

N/A

D. Indicate how any existing wells located within the project site will be utilized or abandoned.

N/A

TABLE 1
Project Impact Summary

WL & SW ID	WL & SW TYPE (FLUCFCS)	WL & SW SIZE (ac.) ON SITE	WL & SW ACRES NOT IMPACTED	PERMANENT IMPACTS TO WL & SW				MITIGATION ID
				IMPACT SIZE (ac)	IMPACT CODE	IMPACT SIZE (ac)	IMPACT CODE	
McIntosh Substation – Lake Agnes Substation Segment								
60B	**641**	**0.30**	**0.29**	**0.01**	**F**			**Boran Ranch Mitigation Bank**
60C	**641**	**0.12**	**0.05**	**0.07**	**F**			**Boran Ranch Mitigation Bank**
49A	**511**	**0.18**	**0.12**	**0.06**	**F**			**Boran Ranch Mitigation Bank**
48B	**641**	**1.31**	**1.28**	**0.03**	**F**			**Boran Ranch Mitigation Bank**
48C	**641**	**0.04**	**0**	**0.04**	**F**			**Boran Ranch Mitigation Bank**
45A	**511**	**0.07**	**0.06**	**0.01**	**F**			**Boran Ranch Mitigation Bank**
44A	**511**	**0.33**	**0.32**	**0.01**	**F**			**Boran Ranch Mitigation Bank**
44B	**621**	**1.99**	**1.41**	**0.03**	**F**	**0.55**	**C**	**Hammock Lake Mitigation Bank**
43A	**621**	**1.26**	**0.85**	**0.02**	**F**	**0.39**	**C**	**Hammock Lake Mitigation Bank**
43B	**641**	**2.94**	**2.58**	**0.36**	**F**			**Boran Ranch Mitigation Bank**
40A/B	**510/630/641**	**2.24**	**1.5**	**0.33**	**F**	**0.41**	**C**	**Hammock Lake Mitigation Bank**
37A	**621**	**0.52**	**0.12**	**0.09**	**F**	**0.31**	**C**	**Hammock Lake Mitigation Bank**
37B	**641**	**0.38**	**0.25**	**0.13**	**F**			**Boran Ranch Mitigation Bank**
37D	**511**	**0.04**	**0.01**	**0.03**	**F**			**Boran Ranch Mitigation Bank**
35A	**511**	**0.08**	**0.07**	**0.01**	**F**			**Boran Ranch Mitigation Bank**
35B	**641**	**2.32**	**2.16**	**0.16**	**F**			**Boran Ranch Mitigation Bank**

WL & SW ID	WL & SW TYPE (FLUCFCS)	WL & SW SIZE (ac.) ON SITE	WL & SW ACRES NOT IMPACTED	PERMANENT IMPACTS TO WL & SW				MITIGATION ID
				IMPACT SIZE (ac)	IMPACT CODE	IMPACT SIZE (ac)	IMPACT CODE	
35D	**641**	**0.71**	**0.67**	**0.04**	**F**			**Boran Ranch Mitigation Bank**
34A	**643**	**0.03**	**0.02**	**0.01**	**F**			**Boran Ranch Mitigation Bank**
34C	**643**	**0.01**	**0**	**0.01**	**F**			**Boran Ranch Mitigation Bank**
33B	**641**	**0.39**	**0.38**	**0.01**	**F**			**Boran Ranch Mitigation Bank**
29A	**641**	**4.43**	**4.07**	**0.36**	**F**			**Boran Ranch Mitigation Bank**
27A	**511**	**6.20**	**6.11**	**0.09**	**F**			**Boran Ranch Mitigation Bank**
27B	**641**	**2.84**	**2.61**	**0.23**	**F**			**Boran Ranch Mitigation Bank**
23A	**534**	**0.90**	**0.84**	**0.06**	**F**			**Boran Ranch Mitigation Bank**
19A	**641**	**0.09**	**0.03**	**0.06**	**F**			**Boran Ranch Mitigation Bank**
16A/18A	**641**	**9.07**	**8.54**	**0.53**	**F**			**Boran Ranch Mitigation Bank**
13C	**641**	**0.03**	**0**	**0.03**	**F**			**Boran Ranch Mitigation Bank**
12A	**641**	**4.77**	**4.63**	**0.14**	**F**			**Boran Ranch Mitigation Bank**
9A/11A	**641**	**6.26**	**5.70**	**0.56**	**F**			**Boran Ranch Mitigation Bank**
8B	**641**	**0.35**	**0.25**	**0.1**	**F**			**Boran Ranch Mitigation Bank**
FDOT Retention Pond (39, 46B, 46C)	**534**	**5.07**	**4.12**	**0.95**	**F**			**N/A**
Lake Agnes Substation – Osceola Substation Segment								
77A	**641**	**2.60**	**2.48**	**0.12**	**F**			**Boran Ranch Mitigation Bank**
176A	**511**	**0.57**	**0.54**	**0.02**	**F**			**Boran Ranch Mitigation Bank**

WL & SW ID	WL & SW TYPE (FLUCFCS)	WL & SW SIZE (ac.) ON SITE	WL & SW ACRES NOT IMPACTED	PERMANENT IMPACTS TO WL & SW				MITIGATION ID
				IMPACT SIZE (ac)	IMPACT CODE	IMPACT SIZE (ac)	IMPACT CODE	
177A	**641**	**1.88**	**1.82**	**0.06**	**F**			**Boran Ranch Mitigation Bank**
Osceola Substation – Cane Island Tap Segment								
210A	**534**	**0.44**	**0.30**	**0.15**	**F**			**Boran Ranch Mitigation Bank**
TOTAL				**4.92**		**1.66**		**3.2 herbaceous credits (WRAP) , 0.9 forested credits (UMAM)**

WL = Wetland; **SW** = Surface water; **ID** = Identification number, letter, etc.
Wetland Type: Use an established wetland classification system and, in the comments section below, indicate which classification system is being used.
Impact Code (Type): D = dredge; F = fill; H = change hydrology; S = shading; C = clearing; O = other. Indicate the final impact if more than one impact type is proposed in a given area. For example, show F only for an area that will first be demucked and then backfilled.

Comments: Impacts to FDOT retention ponds (39, 46B, 46C) previously permitted, no additional mitigation provided.

TABLE 3
OFF-SITE MITIGATION SUMMARY

MITIGATION ID	CREATION		RESTORATION		ENHANCEMENT		WETLAND PRESERVE		OTHER	
	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE
Hammock Lake Mitigation Bank									0.9 forested credit	
Boran Ranch Mitigation Bank									2.3 herbaceous credits	
PROJECT TOTALS:									2.3 WRAP credits; 0.9 UMAM credits	

CODES (multiple entries per cell not allowed):

Target Type=target or existing habitat type from an established wetland classification system or land use classification for non-wetland mitigation

Comments: