



September 2, 2011

B&V Project 145796
B&V File 32.0200

Michael P. Halpin, P.E.
Department of Environmental Protection
Siting Coordination Office (SCO)
3900 Commonwealth Blvd. MS 48
Tallahassee, FL 32399-3000

Subject: Lakeland –Taft Transmission Line Modification Request

Black & Veatch, on behalf of Orlando Utilities Commission (OUC), requests that the Siting Office review the enclosed information concerning upgrades and replacement of structures and facilities within the Lake Agnes to McIntosh Segment (9.5 miles) of the Lakeland-Taft Transmission Line as a modification of the McIntosh Station Site Certification (PA74-06). This request follows several previous approvals for work within other segments of this critical transmission line. Once the Department determines the required modification fee, OUC will forward payment by separate letter.

In addition to the upgrades to the Lake Agnes Substation - McIntosh Substation Segment, OUC requests authorization to construct additional access roads and structure maintenance pads along both the Lake Agnes Substation –Osceola Substation and the Osceola Substation – Cane Island Tap Segments of the Lakeland-Taft 230 kV Transmission Line.

The work requested herein concerns specific transmission line structures located in uplands and wetlands. OUC proposes to perform and complete the following work associated with these structures by June 2013:

- Reframe approximately 17 wood H-frame structures to replace deteriorated insulator systems and to enhance structural capability. Refer to attached Figure 1–Maintenance Modifications;
- Raise approximately 4 wood H-frame structures to provide the required safety clearance for the higher 2000 ampere continuous (2400 ampere emergency) rating;
- Replace 10 deteriorated wood angle structures with 10 single pole steel structures to provide the required safety clearance from the new conductor to ground;
- In the area extending from Polk Parkway to SR 33, replace 17 existing wood structures with 17 two pole steel structures and relocate them 45 feet to the south to accommodate the widening of I-4;
- Replace 1 existing wood pole structure with a new steel deadend structure to provide additional safety integrity over major road crossings along the route;
- Re-conductor the 230 kV transmission line with a larger conductor to achieve a higher 2000 ampere continuous (2400 ampere emergency) rating for the line;

- Construct 35,210 linear feet of at-grade access road and 38 at-grade structure access pads. The use of the at-grade roads and pads minimizes the potential impact to the area's floodplain;
- Construct 6,760 linear feet of raised access road and 30 raised structure access pads. Raised roads are proposed in wetland areas or in upland areas where fill is needed to level the structure site;
- Perform 1.34 acres of forested upland clearing and 1.66 acres of forested wetland clearing from the Polk Parkway (Structure 55) to east of State Road 33 (Structure 38); and,
- In accordance with previous discussions between OUC and FDOT, install three structure access pads in FDOT storm water retention ponds. As part of the I-4 widening project, OUC and FDOT worked together to design and obtain permits from South Florida Water Management District for these three pads.

The work proposed will result in approximately 16,010 cubic yards of impact to floodplain areas. Compensating storage areas, located as shown on the drawings, will be constructed to offset this floodplain impact. OUC proposes to obtain 2.3 herbaceous wetland credits from the Boran Ranch Mitigation Bank and 0.9 forested wetland credit from the Hammock Lake Mitigation Bank to offset 3.5 acres of herbaceous wetland fill, 0.47 acres of forested wetland fill, and 1.66 acres of forested wetland clearing impacts associated with the Project.

OUC will require best management practices be used during construction and that impacts be minimized. Additional details on the proposed work are included in the attached modification request document.

We look forward to working with you and your staff on this important matter. If you have any questions concerning the project or this request, please do not hesitate to call me at (913) 458-7563 or Denise Stalls of OUC at (407) 434-2025.

Very truly yours,

BLACK & VEATCH CORPORATION



J. Michael Soltys
Site Certification Coordinator

Enclosure

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