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JUN 11 1991

June 3, 1991

BY HAND-DELIVERY

Mr. Steve C. Tribble, Director
Division of Records and Reporting
Florida Public Service Commission
101 East Gaines Street
Tallahassee, Florida 32301

Re: ~~Docket No.~~ 910578-EI

Dear Mr. Tribble:

Enclosed for filing on behalf of Florida Power Corporation are the original and fifteen copies of FPC's Petition to Determine Need for Electrical Transmission Line and supporting document.

In accordance with Rule 25-22.076(3), only one copy of the complete load flow analysis is included with this filing. Two additional copies have been furnished to Mr. Floyd.

- ACK
- AFA _____
- APP _____
- CAF _____
- CM _____
- CTR _____
- RDM/cia _____
- Enclosure
- cc (w/enc.): 1
- LEG _____
- LIN 6 _____
- OPC _____
- RCH _____
- SEC 1 _____
- WAS _____
- OTH _____

Bob Elias
Roland Floyd
Pat Brady

Very truly yours,

Richard D. Melson

Richard D. Melson

DOCUMENT NUMBER-DATE

05574 JUN -3 1991

FPC-RECORDS/REPORTING

DOCUMENT NUMBER-DATE

05573 JUN -3 1991

FPC-RECORDS/REPORTING

DOCUMENT NUMBER-DATE

05572 JUN -3 1991

FPC-RECORDS/REPORTING

3 filings

to be filed with the same filing

2

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Petition of Florida Power)
Corporation for Determination of) Docket No. 910578-EI
Need for DeBary-Winter Springs)
230 kV Transmission Line) Filed: June 3, 1991
_____)

PETITION TO DETERMINE NEED
FOR ELECTRICAL TRANSMISSION LINE

FLORIDA POWER CORPORATION (FPC) by and through its undersigned attorneys, petitions the FLORIDA PUBLIC SERVICE COMMISSION (Commission) to determine, pursuant to Section 403.537, Florida Statutes (Supp. 1990), and Rules 25-22.075 and 25-22.076, Florida Administrative Code, that there is a need for the proposed electrical transmission line described herein, and to file its order making that determination with the Department of Environmental Regulation (DER). In support thereof, FPC states:

1. FPC's full name and business address is:

Florida Power Corporation
3201 - 34th Street South
Post Office Box 14042
St. Petersburg, FL 33733

2. The names and addresses of FPC's representatives to receive communications regarding this docket are:

Cheryl G. Stuart
Richard D. Melson
Carolyn S. Raepple
Hopping Boyd Green & Sams
Post Office Box 6526
Tallahassee, FL 32314

Pamela I. Smith
Florida Power Corporation
3201 - 34th Street South
Post Office Box 14042
St. Petersburg, FL 33733

DOCUMENT NUMBER-DATE
05572 JUN -3 1991
FPC-RECORDS/REPORTING

3. Florida Power Corporation is an investor-owned electric utility that provides electric service to customers in its service area.

4. FPC proposes to construct and operate a 230 kV electrical transmission line in the general location described in Exhibit 1 attached hereto. The proposed transmission line originates at FPC's DeBary Generating Plant in Volusia County, near DeBary, Florida, and terminates at FPC's existing Winter Springs Substation, in Winter Springs, Florida in Seminole County. The line has a planned in-service date of December, 1995.

5. The DeBary-Winter Springs 230 kV Transmission Line (hereafter referred to as the "DeBary-Winter Springs Project" or "Project") is subject to the Transmission Line Siting Act (TLSA), Sections 403.52 to 403.5365, Florida Statutes (Supp. 1990).

6. Pursuant to the TLSA and Section 403.537, Florida Statutes, and to Rules 25-22.075 and 25-22.076, F.A.C., the Commission has jurisdiction to determine the need for the DeBary-Winter Springs Project, applying the standards set forth in Section 403.537, Florida Statutes.

7. The information required to be supplied for the need determination pursuant to Rules 25-22.075 and 25-22.076, F.A.C., appears in Exhibit 1 attached hereto and incorporated herein by reference. Exhibit 1 includes a

summary version of the load flow analyses related to the Project. In accordance with Rule 25-22.076(3), F.A.C., only one copy of more detailed load flow analyses showing the impact of the Project on the statewide transmission grid is being filed with the Commission. Two additional copies are being furnished separately to the Commission staff.

8. The data and analyses contained in Exhibit 1 demonstrate that the DeBary-Winter Springs Project is the best alternative available to meet the needs it is designed to address, taking into account the need for electric system reliability and integrity; the need for abundant, low-cost electrical energy to assure the economic well-being of the citizens of Florida; the appropriate starting and ending point of the line; and other relevant matters pursuant to Section 403.537(1)(b), Florida Statutes.

9. As shown in more detail in Exhibit 1, the DeBary-Winter Springs Project is needed in December, 1995 to avoid a violation of single contingency transmission criteria related to the outage of the Sanford-North Longwood 230 kV circuit. The Project also avoids a violation of single contingency criteria by 1997 related to the outage of the North Longwood-Winter Springs 230 kV circuit. In addition, the Project addresses an existing situation in which the 230 kV transmission system in the Greater Orlando Area would overload for the loss of the double-circuit segment of the

Sanford-North Longwood and Sanford-Altamonte 230 kV circuits; improves the power transfer capability into the Greater Orlando Area load center; supports the future growth and extension of the 230 kV and 69 kV transmission grid in the area; and overcomes transmission limitations at the DeBary site by supporting the installation of 450 MW of additional CT capacity at that site, thus providing FPC with the ability to add CTs on short notice to respond to planning contingencies.

10. In order to enable FPC and the Commission to comply with the notice requirements of Section 403.537, Florida Statutes, FPC previously filed a "Notice of Intent to File Transmission Line Need Determination" on May 3, 1991. The Commission has set the final hearing in this docket for July 8-9, 1991. FPC has published notice of that hearing in the appropriate newspapers in accordance with the statutory requirements.

11. Pursuant to Section 403.537, Florida Statutes, the **Commission is required to hold a hearing within 45 days after the filing of this Petition, and to render its decision within 60 days after such filing.** FPC agrees to a limited waiver of these requirements such that the Commission's final order would be issued no later than August 30, 1991.

WHEREFORE, FPC respectfully requests that:


A. The Commission hold a hearing on this Petition in accordance with Section 403.537, Florida Statutes, Section 350.01, Florida Statutes, Chapter 120, Florida Statutes, and the applicable rules of the Commission;

B. The Commission determine that there is a need for the DeBary-Winter Springs Project, with the starting point at the DeBary Generating Plant in Volusia County, and the ending point at FPC's existing Winter Springs Substation in Seminole County; and

C. The Commission enter its final order determining such need no later than August 30, 1991, and forward that order to the Department of Environment Regulation.

RESPECTFULLY SUBMITTED this 3rd day of June, 1991.

HOPPING BOYD GREEN & SAMS

By: 
Cheryl G. Stuart
Richard D. Melson
Carolyn S. Raepple
Post Office Box 6526
Tallahassee, FL 32314
(904) 222-7500

and

PAMELA I. SMITH
Florida Power Corporation
Post Office Box 14042
St. Petersburg, FL 33733

ATTORNEYS FOR FLORIDA POWER
CORPORATION

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a copy of the foregoing Petition to Determine Need was furnished by hand delivery this 3rd day of June, 1991, to:

Robert Elias
Florida Public Service Commission
101 East Gaines Street
Tallahassee, Florida 32301

Proctor

Attorney

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a copy of the foregoing Petition to Determine Need was furnished by hand delivery this 3rd day of June, 1991, to:

Robert Elias
Florida Public Service Commission
101 East Gaines Street
Tallahassee, Florida 32301

Paul M...

Attorney