



Via Overnight Delivery
January 2, 2007

RECEIVED

JAN 03 2007

BUREAU OF AIR REGULATION

Mr. A.A. Linero, PE
Professional Engineer Administrator
Division of Air Resource Management
Florida Department of Environmental Protection
2600 Blair Stone Road, M.S. 5500
Tallahassee, Florida 32399-2400

RE: Proof of Publication – Public Notice
Draft Air Construction Permit Project No.: 1030011-010-AC/PSD-FL-381
Florida Power Corporation d/b/a Progress Energy Florida, Inc.
P.L. Bartow Plant
Facility ID 1030011
Bartow Plant Repowering Project

Dear Mr. Linero:

Please find enclosed a proof of publication for the public notice of intent to issue the air construction permit for the Bartow Plant Repowering Project at the Florida Power Corporation d/b/a Progress Energy Florida, Inc. ("PEF") P.L. Bartow Plant.

Please let me know at (727) 820-5962, if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Ann Quillian".

Ann Quillian, PE
Senior Environmental Specialist
Environmental Services

Enclosure

cc: Rufus Jackson, PEF – P.L. Bartow Plant

ST. PETERSBURG TIMES

Published Daily

St. Petersburg, Pinellas County, Florida

STATE OF FLORIDA
COUNTY OF PINELLAS

} S.S.

Before the undersigned authority personally appeared **B. HARR** who on oath says that he/she is Legal Clerk of the *St. Petersburg Times* a daily newspaper published at St. Petersburg, in Pinellas County, Florida; that the attached copy of advertisement, being a Legal Notice in the matter **RE: DEP NOTICE OF INTENT TO ISSUE AIR PERMIT 1030011-010-AC PSD-FL-381** was published in said newspaper in the issues of City & State, 12/13/06

Affiant further says the said **ST. PETERSBURG TIMES** is a newspaper published at St. Petersburg, in said Pinellas County, Florida and that the said newspaper has heretofore been continuously published in said Pinellas County, Florida, each day and has been entered as second class mail matter at the post office in St. Petersburg, in said Pinellas County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement, and affiant further says that he /she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

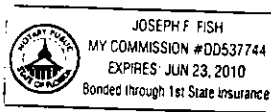
Signature of Affiant

Sworn to and subscribed before me
this 13th day of December A.D. 2006

Signature of Notary Public

Personally known X or produced identification _____

Type of identification produced _____



LEGAL NOTICE

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DEP File No. 1030011-010-AC (PSD-FL-381)

Florida Power Corporation dba Progress Energy Florida, Inc.
P.L. Bartow Power Plant Repowering Project
Pinellas County

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit (AC) for the proposed repowering project at the P.L. Bartow Power Plant on Weedon Island in St. Petersburg, Pinellas County, Florida. The project includes the installation of two new combined cycle gas turbine (CCGT) units, the replacement of two existing CCGT units, and the installation of two new simple cycle gas turbine (SCGT) units. The project also includes the installation of two new heat recovery steam generators (HRSGs) and two new air preheaters (APHs). The project is located at the P.L. Bartow Power Plant on Weedon Island in St. Petersburg, Pinellas County, Florida. The project is subject to the Florida Administrative Code (FAC) and the Florida Department of Environmental Protection (FDEP) rules. The project is also subject to the Clean Air Act (CAA) and the National Ambient Air Quality Standards (NAAQS). The project is also subject to the Florida Department of Environmental Protection (FDEP) rules. The project is also subject to the Clean Air Act (CAA) and the National Ambient Air Quality Standards (NAAQS).

The combined cycle unit will consist of four Siemens SGT6-5000F gas-fired combustion turbine-electric combustors capable of operating in simple cycle or combined cycle modes, four duct-fired heat recovery turbine-electrical generator (STG), eight 120-foot exhaust stacks, four duct-fired heat recovery heaters, two nominal 3.5 million gallon storage tanks, and other associated support equipment.

The simple cycle unit will be a single Siemens SGT6-5000F gas-fired CTG with a single stack. The combined cycle unit will be a single Siemens SGT6-5000F gas-fired CTG with a single stack. The combined cycle unit will be a single Siemens SGT6-5000F gas-fired CTG with a single stack. The combined cycle unit will be a single Siemens SGT6-5000F gas-fired CTG with a single stack.

The combined cycle unit and the simple cycle unit will each be permitted to operate continuously while firing 100 percent sulfur distillate fuel oil will be allowed as backup fuel for 1000 hours per year per each of five each of four HRSGs may operate 2,434 hours per year and each CTG may be operated in power steam year.

The boilers and stacks associated with existing residual oil-fired steam electrical generating Units 1, 2, and 3 have a total capacity of approximately 472 MW. The installation of the combined cycle unit repowering project.

When firing natural gas, nitrogen oxides (NOx) emissions from all five CTGs will be limited to 15 parts per million (ppmv) as regulated by 40 CFR 60, Subpart KKKK - Standards of Performance for Stationary Combustion Turbine Units when using backup low sulfur (0.05%) fuel oil. The HRSGs within the combined cycle unit will have ammonia injection systems that provide PEF with the option of further controlling NOx to Interstate Rule (I-CAIR).

The Department's proposed BACT CO emission limits for each of the five CTGs is 4.1 ppmvd when operating on fuel oil, CO limits of 8.0 ppmvd on a 24-hour basis and 6 ppmvd on a 12-month basis also apply. The Department will continuously monitor when operating the HRSG exhaust stacks and NOx simple cycle stacks when in use. PEF has the option to install oxidation catalyst for CO and VOC control in simple cycle operation is practiced.

There will be very substantial decreases in the regulated air pollutants except for CO and VOC. The maximum units in tons per year are summarized below for comparison with recent annual emissions from the three units repowering project.

Pollutants	Baseline Emissions Units 1,2,3	Future Emissions New Units	Net Increase
PM10	804,559	413,413	(391,146)
SO2	423	466	(43)
NOx	24,816	4,943	(19,873)
VOC	4,043	57	(3,986)
CO	57	367	(310)

PEF may operate any two of the five CTGs in simple cycle mode prior to the permanent shutdown of Units 1 to 1,100 hours (aggregate) for the two CTGs, requires compliance with 40 CFR 60, Subpart KKKK, and as measured by CEMS. These conditions provide assurance that PSD will not be triggered during early operation.

Ambient PSD impact analyses were required only for CO, but were also conducted for NOx, SO2, and PM10 scenarios. The modeling indicated that CO impacts will be less than the applicable Significant Impact Levels. NOx emissions will reduce ozone (smog) formation potential and nitrate fallout into local watersheds. The project will significantly reduce visible stack emissions, acid smog fallout, and fine particulate generation in the repowering project are all favorable and do not affect a "creation of available increments."

The Department will issue the FINAL Permit, in accordance with the conditions of the DRAFT Permit, unless the following procedures result in a different decision or significant change of terms or conditions. The Department will schedule a public meeting concerning the proposed permit issuance action for a period of thirty (30) days. The Department will schedule a public meeting concerning the proposed permit issuance action for a period of thirty (30) days. The Department will schedule a public meeting concerning the proposed permit issuance action for a period of thirty (30) days. The Department will schedule a public meeting concerning the proposed permit issuance action for a period of thirty (30) days.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed with the Department before the deadline for filing a petition for an administrative hearing. The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed with the Department before the deadline for filing a petition for an administrative hearing.

A person whose substantial interests are affected by the proposed permitting decision may petition for a hearing under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-2400. The petition must be filed within fourteen (14) days of receipt of this notice of intent, whichever occurs first. Under no circumstances shall the filing of a petition constitute a waiver of that person's right to request an administrative hearing. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative hearing. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative hearing.

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) A concise statement of the ultimate facts alleged, including the specific facts and circumstances of the agency's proposed action; (b) The name, address, and telephone number of the petitioner's representative, if any, which shall be the address for the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency's proposed action; (c) A statement of all disputes and the specific facts and circumstances of the agency's proposed action; (d) A statement of the specific rules or statutes the petitioner disputes; and (e) A statement of the relief sought by the petitioner, stating precisely the relief sought by the petitioner, stating precisely the relief sought by the petitioner.

A petition that does not dispute the material facts upon which the Department's action is based shall state otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C. Be designated to formulate final agency action, the filing of a petition means that the Department's final action by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department to become a party to the proceeding, in accordance with the requirements set forth above.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., at the Department of Environmental Protection, Bureau of Air Regulation, 111 S. Magnolia Drive, Suite 4, Tallahassee, Florida 32399-2400.

Department of Environmental Protection, Bureau of Air Regulation, 111 S. Magnolia Drive, Suite 4, Tallahassee, Florida 32399-2400. Telephone: 904/488-0114, Fax: 904/488-6979. Department of Environmental Protection, Bureau of Air Regulation, 111 S. Magnolia Drive, Suite 4, Tallahassee, Florida 32399-2400. Telephone: 904/488-0114, Fax: 904/488-6979.

The complete project file includes the application, technical evaluations, Draft Permit, and the information set forth in this notice. Persons whose substantial interests will be affected by any such final decision of the Department to become a party to the proceeding, in accordance with the requirements set forth above.