



Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

April 3, 1997

Mr. John Griffin, C.F.E.
Osceola County
Tangible Personal Property Department
Post Office Box 423427
Kissimmee, Florida 34742-3427

Re: Florida Power Corporation - Certification of Pollution Control Equipment
Intercession City Combustion Turbine Generating Units

Dear Mr. Griffin:

The Department of Environmental Protection has reviewed material attached to your letter of March 24, 1997, concerning Florida Power Corporations Intercession City complex. The Department has determined that the listed equipment for the Intercession City Combustion Turbine Generating Units (P1-P10) is eligible to be considered as pollution control equipment pursuant to s. 193.621, F.S.

If you have any questions concerning this matter, I can be reached on (904) 487-0472 or SUNCOM 277-0472.

Sincerely,

Hamilton S. Oven, P.E.



407/847-1392
Fax: 407/847-1364

ROBERT M. DAY
PROPERTY APPRAISER, C.F.A.
TANGIBLE PERSONAL PROPERTY DEPARTMENT
OSCEOLA COUNTY
P.O. BOX 423427 • OFFICE COMPLEX
KISSIMMEE, FLORIDA 34742-3427



PART OF
OFFICE OF THE
PROPERTY APPRAISER

MAR 27 1997

March 24, 1997

Mr. Hamilton S. Oven, P.E.
Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Dear Mr. Oven:

Enclosed is a Return of Pollution Control Devices as submitted by Florida Power Corporation. They are requesting that this office value for property tax purposes the attached list of property as pollution control equipment.

Please make a determination as to the validity of this request in accordance with Florida Statutes. If you have any questions, please call me at 407-847-1392. Your help will be appreciated.

Sincerely,

John Griffin, CFE
Supervisor
Tangible Personal Property

Enclosure

**RETURN OF POLLUTION CONTROL DEVICES
FOR AD VALOREM TAX PURPOSES
FLORIDA STATUTES CHAPTER 193.621**

To the Property Appraiser
Osceola

Honorable Robert Day
County, Florida,

March 1, 1997

Return is hereby made for the assessment of the following described property under Florida Statutes as pollution control devices.

Description of Property

83.0 acres in the NW 1/2 of SE 1/4; the N 1/2 of SW 1/4 of SE 1/4, the SE 1/4 of SW 1/4 of SE 1/4
and the SE 1/4 of SE 1/4 in Section 31, Township 25 S, Range 28 E.

Description of Facility

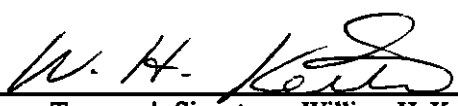
Devices and equipment installed on our Intercession City Gas turbine peaking units to minimize or
prevent pollution.

Total Original Cost \$14,873,929 (see attached list)

Name and address of owner:

Florida Power Corporation
Tax Administration Department, C-2-O
P.O. Box 14042
St. Petersburg, FL 33733

The undersigned taxpayer hereby agrees to furnish such other reasonable information as the Appraiser may request in regard to the assessment requested herein.


Taxpayer's Signature: William H. Keith
Manager, Property Tax

This form must be filed with the County Property Appraiser before April 1st.

ORIGINAL TO BE RETAINED BY PROPERTY APPRAISER
COPY TO BE GIVEN TO TAXPAYER

Intercession City Combustion Turbine Units P7-P10

Environmental Control Systems

page 1 of 2

AIR

Water injection system:

The primary purpose of this system is to reduce NOx emission from the combustion turbines. The system includes a water treatment building to house water treatment equipment, two demineralized water tanks, foundations piping and pumping systems, and electrical & control systems for operation and maintenance. The above water treatment system requires a waste water treatment system to treat the waste prior to discharge. The waste water is collected, treated sent to a equalizer tank prior to discharge.

Installed Cost Basis \$4,531,737

Predictive Emission Monitoring System (PEMS) :

The primary purpose of this system is to monitor the emissions from the exhaust of the combustion turbines, and provide emission data to FDEP.

Installed Cost Basis \$228,720

Fugitive Dust Control:

The primary purpose of grass & gravel installed on the site was to reduce the fugitive dust emissions. This also allowed the company to discontinue the frequent wetting down of the site which was required by FDEP.

Installed Cost Basis \$71,224

Oil vapor Control:

The primary purpose of this system is to reduce oil mist from the combustion turbines lubrication system, which would be discharged into the atmosphere. Each of the four (4) combustion turbines contain an oil demistor system.

Installed Cost Basis \$83,284

NOISE

Noise reduction systems:

The primary function of these systems is to reduce noise in the neighborhood around the plant. These systems include silencers installed on both the inlets and the exhaust of the combustion turbines. Sound adsorbing insulation, lagging & walls are also included. Foundations, ducts and enclosures are also part of these systems.

Installed Cost Basis \$3,835,216

WATER

Waste Water Systems:

The primary purpose of the systems handling waste water from the site is to reduce contaminants in the discharged water, protect the ground water from contamination and reduce the quantity while improving the quality of water discharged to surface waters. The fuel oil system is provided with concrete containment trenches for the piping, a fuel oil unloading area with complete capture of storm water or fuel spills, fuel oil tanks with internal coatings of the lower 18" of the tanks, a impermeable liner for the complete fuel oil tank farm which is contained by dikes. All the discharges from these areas go through a water/oil separator prior to being pumped to a dry well. The dry well overflows to the site retention/detention pond. The retention/detention pond is equipped with an adjustable discharge weir which controls the discharge rate.

Intercession City Combustion Turbine Units P7-P10

page 2 of 2

The retention/detention pond also receives all the storm water run off from the area around the units and the buildings. This helps reduce the impact of the first flush from a storm water event and allows for a controlled discharge during very heavy rain fall events. A storage area for chemical and oil drums is provided with containment. The above systems have supporting foundations, electrical and control systems for operation and maintenance. The combustion turbine units each have an underground double walled tank with a leak detection systems to collect leak off from the units. Waste which requires additional treatment prior to discharge are sent to the same waste water treatment system used for treating NOx water treatment waste and is neutralized as needed prior to being sent to the equalization tank. These waste are then discharged with the NOx waste water.

Installed Cost Basis \$3,253,872

P7-P10 Total Environmental Systems Cost Basis \$12,004,053

I, David W. Sorrick PE certify the above listed environmental control systems have been installed on the Intercession City P7-P10 units.


David W. Sorrick PE
2/28/97

47696
Florida Licensed Engineer Number

Intercession City Combustion Turbine Units P1-P6

Environmental Control Facilities

page 1 of 1

AIR

Landscaping :

The primary purpose of landscaping on these units was to improve the esthetics of the site and reduce the fugitive dust emissions.

Installed Cost Basis \$12,599

NOISE

Noise reduction systems:

The primary function of these systems is to reduce noise in the neighborhood around the plant. These systems include silencers installed on both the inlets and the exhaust of the combustion turbines. Sound adsorbing insulation, lagging & walls and supports are included.

Installed Cost Basis \$2,079,339

WATER

Waste Water/Oil Systems:

The primary purpose of the systems handling waste water from the units are to protect the ground water from contamination. The combustion turbine units each have two (2) underground double walled tanks with a leak detection systems to collect leak off from the units. Oil and water waste is pumped from these tanks to an above ground waste oil tank. This oil is transported off site for disposal.

Installed Cost Basis \$772,586

Oil Containment systems:

The primary purpose of these systems are to contain oil when spills occur. Various booms and containment are kept on site for this purpose.

Installed Cost Basis \$5,352

P1-P6 Total Environmental Systems Cost Basis \$2,869,876

I David W. Sorrick PE certify the above environmental control systems have been installed on the Intercession City P1-P6 Units.


David W. Sorrick PE

2/28/97

47696
Florida Licensed Engineer Number