

RESOLUTION

DRI # 6

Upon motion by Commissioner Carpenter , seconded by Commissioner Castor , the following resolution was adopted by vote:

WHEREAS, Tampa Electric Company has filed with this Board an application for Development Approval of a Development of Regional Impact (Hillsborough County Building and Zoning Department Petition #73-3-DRI) in accordance with Section 380.06(6) Florida Statutes (1972); and,

WHEREAS, this Board has reviewed the application and has found the proposed development to be consistent with local land development regulations; and,

WHEREAS, this Board has received and considered the report of the Tampa Bay Regional Planning Council and has found the proposed development to be consistent with the Council's recommendations; and

WHEREAS, this Board has on December 6, 1973, at the Hillsborough County Courthouse in Tampa, Florida, conducted a public hearing upon the application following the publication and giving of notice required by Section 380.06(7), Florida Statutes (1972), and has heard and considered the testimony taken thereat.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF HILLSBOROUGH COUNTY, FLORIDA, IN SPECIAL MEETING ASSEMBLED THIS 6TH DAY OF DECEMBER, 1973:

1. That the definitions found in Chapter 380, Florida Statutes (1972), shall control the construction of any so-defined terms appearing in this resolution.

06-73-06

2. That this resolution shall constitute the Development Order of this Board issued in response to the Application for Development Approval of a Development of Regional Impact filed by Tampa Electric Company (Hillsborough County Building and Zoning Department Petition #73-3- DRI.)

3. That this Development Order shall be deemed rendered as of the date of this resolution for purposes of computing the thirty-day appeal period provided under Section 380.07(2), Florida Statutes (1972).

4. That this Development Order shall remain in effect for a period of one year from and after the date of its rendition, provided that this effective period may be extended by this Board upon a finding of excusable delay in any proposed development activity.

5. That this Development Order shall not encompass any proposed development which constitutes a substantial deviation from the terms of the application or which is not to be commenced until after the expiration of its period of effectiveness and any such proposed development which constitutes a Development of Regional Impact shall require the filing, review, and approval of a separate Application for Development Approval in accordance with Section 380.06(6), Florida Statutes (1972.)

6. That this Board finds that the Application for Development Approval of a Development of Regional Impact filed by Tampa Electric Company (Hillsborough County Building and Zoning Department Petition #73-3- DRI) should be, and hereby does order it APPROVED.

7. That this Board hereby approves the issuance of the building permit requested by the applicant subject to

approval of the master drainage program by the County Engineering Department.

8. That the following attachments are hereby incorporated by reference and made a part of this Development Order:

- A. The report and recommendation of the Tampa Bay Regional Planning Council;
- B. The memorandum of the Hillsborough County Engineer;
- C. The memorandum of the Hillsborough County Water Resources Director.
- D. The letter of the Director of the Hillsborough County Environmental Protection Commission to the Florida Department of Pollution Control dated August 28, 1973;
- E. The report and recommendation of the Hillsborough County Planning Commission; and,
- F. The letter of assurance of intent to work with the U. S. Soil Conservation Service to reduce erosion submitted by Tampa Electric Company, December 6, 1973.

STATE OF FLORIDA        )  
                                  )  
COUNTY OF HILLSBOROUGH)

I, JAMES F. TAYLOR, JR., Clerk of the Circuit Court and  
Ex Officio Clerk of the Board of County Commissioners of  
Hillsborough County, Florida, do hereby certify that the  
above and foregoing is a true and correct copy of a  
resolution adopted by the Board in its special meeting of  
December 6, 1973, as the same appears of record in Minute  
Book Z-10 of the Public Records of Hillsborough County,  
Florida.

WITNESS my hand and official seal this \_\_\_\_\_ day  
of December, 1973.

JAMES F. TAYLOR, JR., CLERK

By: \_\_\_\_\_  
Deputy Clerk

BIG BEND STATION OIL STORAGE TANK  
TAMPA ELECTRIC COMPANY - DRI #06

The following presents the opinions and recommendations of the Tampa Bay Regional Planning Council in accordance with the Florida Environmental Land and Water Management Act (Chapter 380). This report is based upon data presented in the Development of Regional Impact application as well as upon information obtained through outside sources, contacts with local officials, and comparisons with local plans. In compliance with the legislation, this evaluation addresses the following points:

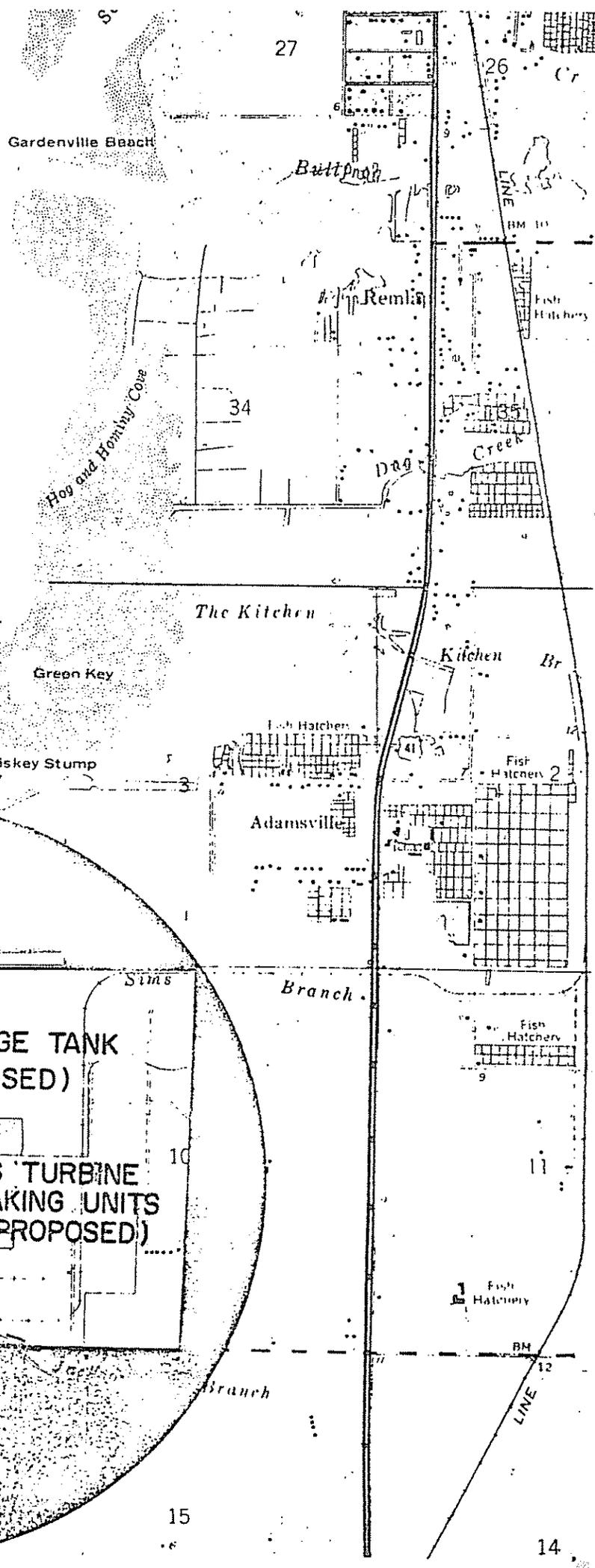
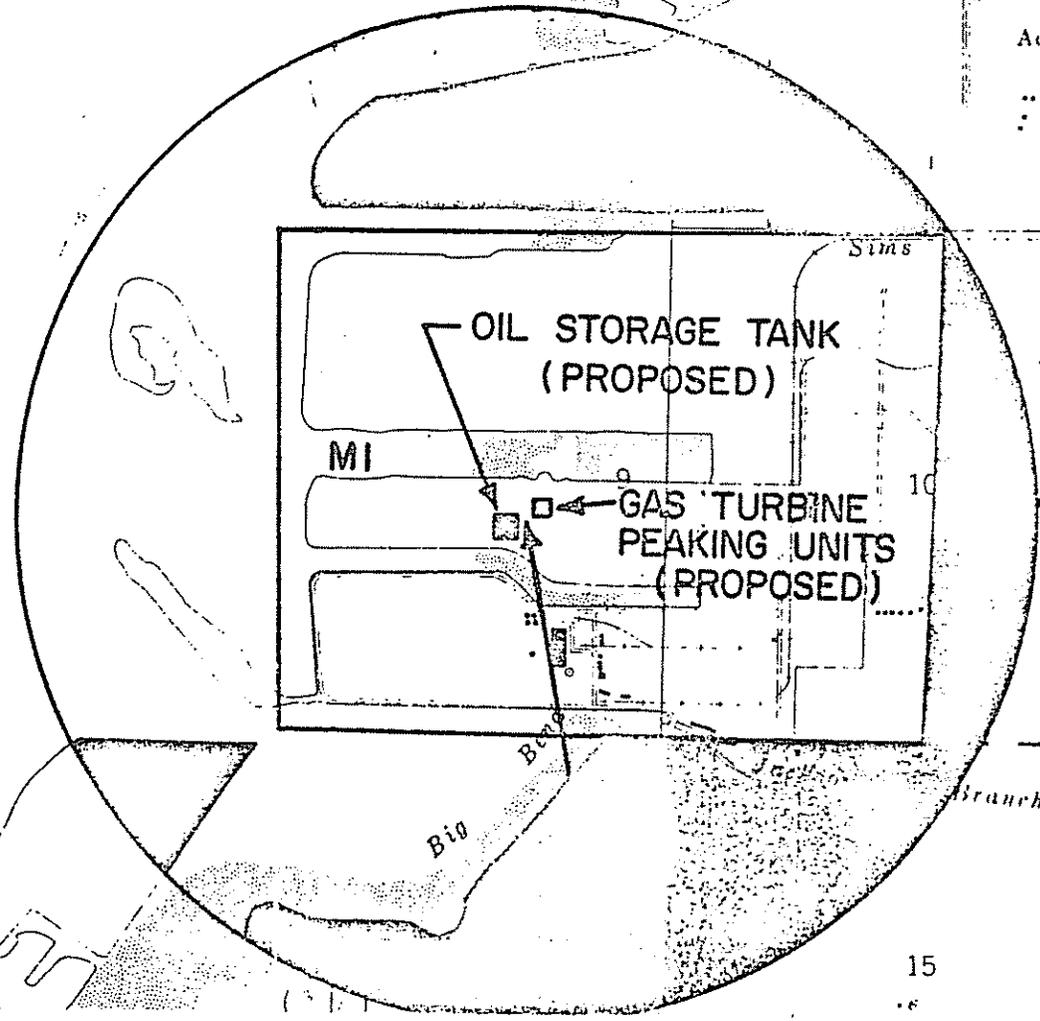
- The development's favorable or unfavorable impact on the environment and natural resources of the region.
- The development's favorable or unfavorable impact on the region's economy.
- The development's efficient use or undue burdening of water, sewer, solid waste disposal, and other public facilities.
- The development's efficient use or undue burdening of public transportation facilities.
- The development's favorable or adverse effect on people's accessibility to housing.

PROJECT DESCRIPTION

The Tampa Electric Company has proposed an extension of their Big Bend Station to include an additional 100,000 barrel oil storage tank within 1,000 feet of a navigable waterway, and two 75 MW Gas Turbine Peaking Units. This proposed oil storage tank will supply oil to the two gas turbines which provide intermittent peaking and emergency electrical generation. The proposed construction site is a filled finger extending into Tampa Bay, having a land area of approximately 3.8 acres

Attachment "A"

**TAMPA ELECTRIC**  
**DRI No. 6**



### IMPACT ON THE ENVIRONMENT AND NATURAL RESOURCES

There is potential environmental degradation to Tampa Bay should existing controls and safeguards be violated. The U.S. Coast Guard has recorded two minor oil spills by Tampa Electric in the last five years. (However, this does not include oil spillage by the barges and oil tankers unloading at their facilities.) Oil intercepting sumps will be utilized to insure that no oil will reach the canals and bay. Tampa Electric has indicated that OSHA standard for permissible noise level will be met by the two turbine units. The units will be a source of air pollution and their emissions must comply with all applicable local, state, and federal regulations.

### IMPACT ON THE ECONOMY

The proposed oil, tank and the additional peaking units will have no unfavorable effect on the economy of the region. Approximately 20% of the estimated cost of \$16,000,000 for the expansion will be spent in the region. The project will generate an estimated tax yield of \$900,000 to the county over the next five years.

### IMPACT ON THE PUBLIC FACILITIES

There will be no unfavorable effect on the public facilities. The project requires no permanent sewage system and requires only the availability of 2200 gallons per minute for a fire protection system when needed.

### IMPACT ON TRANSPORTATION FACILITIES

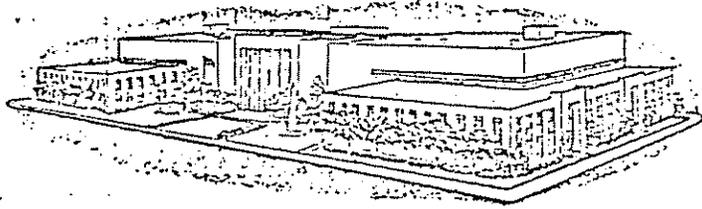
The project will not unduly burden the transportation facilities. Oil will be delivered to the tank by barge, or in the future by tanker. The estimated rate of consumption of two to three barges per month, or approximately three tankers a year, will not have a significant impact on present shipping facilities in the area.

### IMPACT ON HOUSING

There will be no unfavorable impact on the demand for housing as a result of this project. The facility will be automated for operation from a distant location and will have no permanent employees on the site.

RECOMMENDATION

It is the opinion of the Tampa Bay Regional Planning Council that this expansion to the TECO Big Bend Station should be approved.



COUNTY OF HILLSBOROUGH

Tampa, Florida 33601

MEMORANDUM

Date November 26, 1973

To Don Buck, Director of Bldg. & Zoning

From Dayne Piercefield, County Engineer

Subject: 73-3-DRI Big Bend Station Oil Storage Tank - TECO

The Engineering Department has reviewed the application of Tampa Electric Company DRI for the proposed development of a 100,000 barrel oil storage tank.

Our review indicates the proposed facility will have no adverse impact on the Engineering Department's area of responsibility regarding water quality for drinking, surface water discharge and discharge into the ground water, the sewage disposal, public transportation, and housing.

We do desire to review the master drainage program prior to issuance of the building permit.

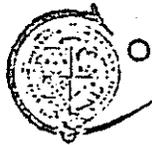
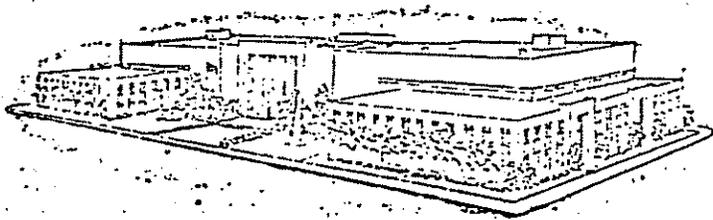
D. R. P.

DRP/lrs

cc: Mr. Rudy Spoto  
Mr. Jimmy Allison w/attachs.  
Mr. Tommy Denton

Attachment "B"

125.  
DRI - FILE



COUNTY OF HILLSBOROUGH  
Tampa, Florida 33601

MEMORANDUM

Date November 21, 1973

To Rudy Spoto, County Administrator

From John Logan, Water Resources Director

Subject: 73-3-DRI, Big Bend Station Oil Storage Tank, Tampa Electric Co.

Mrs. Silver has sent me a copy of the subject DRI and informs me that your office wishes my comments on this application.

Water supply is not an important feature of the proposed development. TECO will obtain its water from the existing County system and will not drill any new wells. Thus the Water Resources Department has no comment -- either favorable or unfavorable -- on this application.

cc: D. R. Piercefield  
J. H. Pittman  
I. R. Silver  
R. P. Stewart

Attachment "C"

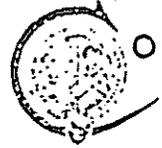
THE  
BOARD OF COUNTY COMMISSIONERS

CARL L. CARPENTER, JR., CHAIRMAN  
DIST. 4, PLANT CITY

ROBERT E. CURRY, VICE-CHAIRMAN  
DIST. 1, TAMPA

EDDY RODRIGUEZ, DIST. 2, TAMPA  
BETH B. CASTOR, DIST. 3, TAMPA  
JOB LESTER, DIST. 5, RUSKIN

P.O. BOX 1110  
TAMPA, FLORIDA 33601  
TELEPHONE (813) 222-1311



COUNTY OF HILLSBOROUGH

Tampa, Florida 33601

August 28, 1973



HILLSBOROUGH COUNTY  
ENVIRONMENTAL PROTECTION COMMISSION

906 JACKSON STREET  
TAMPA, FLORIDA 33602

ELIZABETH B. CASTOR, CHAIRMAN  
ROGER P. STEWART, DIRECTOR

Mr. W. E. Linne  
Regional Administrator  
West Central Region  
Florida Department of Pollution  
Control  
P. O. Box 944  
Winter Haven, Florida 33880

Dear Mr. Linne:

We offer no objection for the permitting of the two gas turbine units which will be constructed by Tampa Electric Company at the Big Bend station in North Ruskin.

Sincerely,

Roger P. Stewart  
Director  
Hillsborough County Environmental  
Protection Commission

RPS/BC/fd

Attachment "D"

EXHIBIT II

Zoning	MEETING DATE <u>December 3, 1973</u>	HCPG File No.
Subdivision		(HC) DRI 73 - 3
Capital Improvement Referral		Agency File No.
X Other DRI Application		

Members*	Aye	Nay	Abstain	Absent
Mr. Couch, Chm.				
Mr. Ames	X			
Mrs. Davis				X
Mr. Echezabal	X			
Mr. Fernandez	X			
Mr. Hearn	X			
Mr. Rampello	X			
Mr. Sweat	X			
Mr. Taylor	X			

*Theodore J. Couch*

Theodore J. Couch, Chairman

Attest: *John A. Crislip*

John A. Crislip, Executive Director

Chm. or acting Chm. votes only on tie

On motion of Mr. Sweat Seconded by Mr. Taylor

The following resolution was adopted:

WHEREAS, The Planning Commission staff has prepared a report on the proposed oil storage tank at Big Bend Station; and

WHEREAS, Said report is incorporated herein by reference.

NOW, THEREFORE, BE IT RESOLVED, That the Hillsborough County Planning Commission recommend to the Board of County Commissioners that Tampa Electric Company's Application for Development Approval under Section 380.06 (6), F.S., be APPROVED subject to the applicant's submittal of written assurance of his intent to work with the U.S. Soil Conservation Service to reduce erosion.

## DEVELOPMENT OF REGIONAL IMPACT

(HC) DRI - 73-3

Oil Storage Tank at Big Bend Station

### BACKGROUND

Tampa Electric Company (TECO) proposes to build a 100,000 BBL. oil storage tank within 1,000 feet of a navigable waterway for the purpose of supplying residual fuel oil to two 65 mega-watt gas turbine peaking units. Although the proposed peaking units are not big enough to trigger the DRI process, the oil storage tank is big enough and close enough to the Bay to do so. TECO's Application for Development Approval covers the entire 78.8 acres of a filled finger of land which already extends into Tampa Bay immediately north of the existing Big Bend electrical generating facility. TECO intends to alter 3.8 acres (for a diked oil storage facility, a walled turbine site, and a 5625 sq. ft. parking lot) and to preserve the remaining 75.0 acres. Any significant departure from the proposed actions set forth in TECO's finalized DRI Application would retrigger the DRI process.

The Planning Commission received the application on October 15, 1973, and on November 5th the County Commissioners set a hearing date for December 6th. On November 21st the Planning Commission sent the applicant a letter detailing fifteen specific items which needed to be completed in order to fulfill the DRI submittal requirements. TECO's letters of November 28th and 29th and December 3rd have totally completed the fifteen deficient items.

## FINDINGS OF FACT

1. On October 15, 1973, the Florida Pollution Control Board approved TECO's application for a permit to construct an air pollution source, consisting of two 65 mega-watt gas turbine peaking units, at the Big Bend Station. The Hillsborough County Environmental Protection Commission had offered no objection.
2. According to the applicant, the gas turbines would have higher stacks than any other gas turbines in this country.
3. Since the gas turbines are not water-cooled, there would be no new thermal discharge to Tampa Bay.
4. Florida's tough oil-spill law should keep oil-spill damage to an acceptable minimum.
5. Runoff from the 3.8 acres would be sharply reduced by means of increased evaporation. Runoff on the remaining 75.0 acres would be unaffected.
6. The gas turbines would probably not emit enough ionizing radiation to be capable of delivering an annual gonad dose of more than 1 millirem (an insignificant amount).
7. The gas turbines would feature all noise-control options available from Westinghouse.
8. The unfavorable impact on terrestrial plants and animals would be negligible.
9. In the past there has been considerable erosion of the filled finger.

10. The initial investment would amount to a total of \$16 million. Of the approximately 20% that would be spent in the region, about \$2.1 million would be for labor and \$1.1 million for materials.
11. Operating costs over the twenty-year life of the project may exceed \$200 million based on the cost of oil alone. The equivalent of 2 1/2 full-time employees would be needed to maintain the automated facility.
12. The facility is designed to withstand a hurricane storm-surge of 14 feet above MSL with allowance for an additional two feet of wave action.
13. The facility's normal water use would be zero. However, the facility's built-in fire protection system would need access to 2245 gpm from the South Hillsborough County Water System.
14. The addition of the gas turbine peaking units is not intended to increase the population capable of being served by TECO, but is intended to increase the reliability of electrical service in the region.

#### CONCLUSIONS

1. The development's impact on the environment and on natural resources is apt to be negligible, provided that erosion is prevented.
2. The development's impact on the economy is apt to be favorable since most of the employees will be local residents.
3. The development is not apt to have any impact on accessibility to housing.
4. The development is apt to have a temporarily burdensome impact on public transportation facilities during the construction period, which is expected to occupy no more than the first half of 1974.

5. The development will not unduly burden public facilities. In fact, it will make the region's electrical generating system more efficient by providing for greater flexibility in dealing with unexpected loads or equipment shutdowns due to failure, routine maintenance, or installation of new pollution control-devices.
6. The development is in accord with the 1990 Plan of Development for Hillsborough County.

#### RECOMMENDATION

It is recommended that this DRI Application be APPROVED, subject to the applicant's submittal of written assurance of his intent to work with the U. S. Soil Conservation Service to reduce erosion.

THIS REPORT WAS ADOPTED BY THE HILLSBOROUGH COUNTY PLANNING COMMISSION  
AT ITS MEETING ON DECEMBER 3, 1973.

Tampa Electric Company

TEICO

P. O. BOX 111, TAMPA, FLORIDA 33601

December 6, 1973

Mr. Kenton R. Inglis  
District Conservationist  
U. S. Soil Conservation Service  
Room 102  
330 W. Platt Street  
Tampa, Florida 33606

Dear Mr. Inglis:

Thank you for meeting with our representative earlier today to discuss Tampa Electric Company's proposed oil storage tank and gas turbine peaking unit site adjacent to our Big Bend power station.

As indicated, Tampa Electric Company intends to cooperate with your agency to insure that erosion at this site is minimized.

If you have any questions, please don't hesitate to contact us.

Yours very truly,

*Alex Kaiser*  
AK

Alex Kaiser, Director  
Power Plant Engineering &  
Environmental Planning

cc: Mr. D. A. Buck  
Hillsborough County Building  
& Zoning Dept.

Mr. R. O. C. King  
Hillsborough County Planning  
Commission

Attachment "F"