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March 6, 2013

HAND DELIVERED

RECEIVED-FPSC  
13 MAR -6 PM 3:02  
COMMISSION  
CLERK

Ms. Ann Cole, Director  
Division of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850

Re: Petition for approval of a new environmental program for cost recovery through the Environmental Cost Recovery Clause by Tampa Electric Company;  
FPSC Docket No. 120302-EI

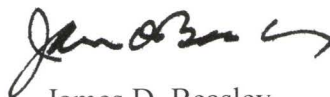
Dear Ms. Cole:

Enclosed for filing in the above matter are the original and five copies of Tampa Electric Company's responses to Staff's Second Data Request (Nos. 11-13) that were contained in a February 8, 2013 letter from Mr. Charles W. Murphy to the undersigned.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this letter and returning same to this writer.

Thank you for your assistance in connection with this matter.

Sincerely,



James D. Beasley

JDB/pp  
Enclosure

COM \_\_\_\_\_  
AFD \_\_\_\_\_  
APA \_\_\_\_\_  
ECO 3 \_\_\_\_\_  
ENG \_\_\_\_\_  
GCL \_\_\_\_\_  
IDM \_\_\_\_\_  
TEL \_\_\_\_\_  
CLK \_\_\_\_\_

cc: Mr. Charles W. Murphy (w/enc.)  
Mr. J. R. Kelly (w/enc.)

DOCUMENT NUMBER-DATE

01206 MAR-6 2013

FPSC-COMMISSION CLERK

TAMPA ELECTRIC COMPANY  
DOCKET NO. 120302-EI  
STAFF'S SECOND DATA REQUEST  
REQUEST NO. 11  
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11. Referring to TECO's response to Staff's First Data Request, No. 10, please complete the table below:

Year	(\$/1,000 kWh)
2013	0.04
2014	0.07
2015	0.11
2016	
2017	

- A. Please see the table below for the residential customer impact for 2016 and 2017.

Year	(\$/1,000 kWh)
2013	0.04
2014	0.07
2015	0.11
2016	0.11
2017	0.11

**TAMPA ELECTRIC COMPANY  
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STAFF'S SECOND DATA REQUEST  
REQUEST NO. 12  
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**12.** Referring to the \$200,000 MATS engineering study reported in Exhibit A of the Petition and TECO's response to Staff First Data Request, No.9:

- a. Please identify each entity (including, if applicable, TECO) by whom the MATS engineering study will be conducted.
- b. Please identify the major activities each entity has provided or will provide.
- c. Please identify the costs associated with the services each entity has provided or will provide.
- d. Please identify the expenditures associated with the activities discussed in response to 12 (b).
- e. Please identify (if applicable) the date that an RFP for such services has been or will be issued.

**A.** a. Tampa Electric has utilized internal resources to initiate an early portion of the engineering study work associated with acid gas and particulate matter. As of this date, the company has not selected the other entity/entities that will complete the study. A request for proposal ("RFP") is planned for issuance to appropriate vendors by June 2013. The company will then select from the respondents

- b. The following is a list of activities each entity identified in Part a above will provide.
  - Acid gas and particulate matter testing on a quarterly basis for Polk Unit 1 and Big Bend Units 1 through 4. This is associated with compliance with Low Emitting Electric Generating Unit ("LEE") limits.
  - Annual 30-day mercury testing on Polk Unit 1 and Big Bend Units 1 through 4.

An RFP is planned for issuance June 2013. Subsequently, the company will select a vendor(s) from the respondents.

- c. Tampa Electric anticipates the associated costs for the services each entity will provide to be approximately \$160,000 for Big Bend Units 1 through 4 and \$40,000 for Polk Unit 1. Services will include the provision of sampling equipment, on-site personnel for periodic data collection, laboratory analyses, and periodic and final reporting of test results.

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- d. See response to part c above.
- e. An RFP is planned for issuance June 2013.

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- 13.** Referring to the capital expenditures reported in Exhibit A of the Petition:
- a. Please provide a detailed breakdown of the major component items that comprise the \$5,850,000 expenditures associated with the Acid Gas compliance in 2014.
  - b. Please provide a detailed breakdown of the major component items that comprise the \$5,634,620 expenditures associated with the Acid Gas compliance in 2015.
- A.**
- a. There are two components that comprise the expenditures associated with acid gas compliance in 2014. The \$5,850,000 is for the C Tower Inlet Gas Nozzle and C Tower Booster Fan Upgrade. The inlet gas nozzle modification consists of cutting a much wider entrance into the absorber tower for the flue gas to enter through. It also repositions this new wider opening so that the flue gas enters straight into and towards the center of the tower as opposed to the present tangential entrance. This new flue gas nozzle will also require the inclusion of internal turning vanes. The booster fan upgrade consists of replacing the existing fan wheel with a larger one capable of delivering higher flue gas flows and higher pressures. This will also necessitate a new larger motor to drive the upgraded fan performance.
  - b. There are two components that comprise the expenditures associated with acid gas compliance in 2015. The \$5,634,000 is for the Big Bend Unit 4 spray header and tray redesign and includes a 15 percent contingency for all projects. The new spray header design consists of removing the existing spray headers that are above the bowl in the tower and replacing them with ones that have many more branches and nozzles in order to vastly increase the slurry spray coverage over the cross section of the tower. The tray redesign is to move the existing tray and tray supports to a lower elevation in the tower just above the bowl where it will receive the slurry flow from all of the spray headers instead of just one header as it presently does.