

COMMISSIONERS:  
 MATTHEW M. CARTER II, CHAIRMAN  
 LISA POLAK EDGAR  
 NANCY ARGENZIANO  
 NATHAN A. SKOP

STATE OF FLORIDA



OFFICE OF THE GENERAL COUNSEL  
 MARY ANNE HELTON  
 ACTING GENERAL COUNSEL  
 (850) 413-6199

Public Service Commission

October 6, 2009

Mr. Lee Willis, Esquire  
 Ausley & McMullen Law Firm  
 P. O. Box 391  
 Tallahassee, FL 32302

**Re:** Docket No. 090368-EI - Review of the continuing need and costs associated with Tampa Electric Company's 5 Combustion Turbines and Big Ben Rail Facility.

Dear Mr. Willis:

By this letter, the Commission staff requests that Tampa Electric Company (TECO or utility) provide responses to the following data requests.

1. Please complete the following table with the monthly peak load forecasts for the years 2008 through 2010, developed for each of the following documents: 2007 Ten Year Site Plan, 2008 Ten Year Site Plan, 2009 Ten Year Site Plan. Also include the actual values for monthly peak load.
  - a. Please provide the date when each of the load forecasts for the 2007 through 2009 Ten Year Site Plans were developed.

Monthly Peak Load Forecasts & Actual Values					
Year	Month	2007	2008	2009	Actual
		TYSP (MW)	TYSP (MW)	TYSP (MW)	Values (MW)
2008	01				
2008	02				
2008	03				
2008	04				
2008	05				
2008	06				
2008	07				
2008	08				
2008	09				
2008	10				
2008	11				
2008	12				

DOCUMENT NUMBER - DATE

10303 OCT -6 09

FPSC - COMMISSION CLERK

2009	01				
2009	02				
2009	03				
2009	04				
2009	05				
2009	06				
2009	07				
2009	08				
2009	09				
2009	10				
2009	11				
2009	12				
2010	01				
2010	02				
2010	03				
2010	04				
2010	05				
2010	06				
2010	07				
2010	08				
2010	09				
2010	10				
2010	11				
2010	12				

2. Please complete the following table with TECO's monthly forecasted available capacity for the period 2008 through 2010, developed for each of the following documents: 2007 Ten Year Site Plan, 2008 Ten Year Site Plan, 2009 Ten Year Site Plan. Also complete the table with the actual values as available.
  - a. Please provide an explanation for all changes to capacity, including type and amount of change.

Monthly Available Capacity Calculation: (Source)								
Date		Total Installed Capacity	Capacity Imports	Capacity Exports	QF Purchases	Total Capacity Available	Scheduled Maintenance	Remaining Capacity Available
		(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
2008	01							
2008	02							
2008	03							
2008	04							
2008	05							
2008	06							
2008	07							
2008	08							
2008	09							
2008	10							
2008	11							

2008	12							
2009	01							
2009	02							
2009	03							
2009	04							
2009	05							
2009	06							
2009	07							
2009	08							
2009	09							
2009	10							
2009	11							
2009	12							
2010	01							
2010	02							
2010	03							
2010	04							
2010	05							
2010	06							
2010	07							
2010	08							
2010	09							
2010	10							
2010	11							
2010	12							

3. Please complete the following table with TECO's monthly reserve capacity for the period 2008 through 2010, developed for each of the following documents: 2007 Ten Year Site Plan, 2008 Ten Year Site Plan, 2009 Ten Year Site Plan. Also complete the table with the actual values as available.

Monthly Reserve Margin Calculation: (Source)								
Date		Total Capacity Available	Firm Peak Demand	Reserve Margin Before Maintenance		Scheduled Maintenance	Reserve Margin After Maintenance	
		(MW)	(MW)	(MW)	(%)	(MW)	(MW)	(%)
2008	01							
2008	02							
2008	03							
2008	04							
2008	05							
2008	06							
2008	07							
2008	08							
2008	09							
2008	10							
2008	11							
2008	12							
2009	01							
2009	02							
2009	03							

Mr. Lee Willis, Esquire

Page 4

October 6, 2009

2009	04							
2009	05							
2009	06							
2009	07							
2009	08							
2009	09							
2009	10							
2009	11							
2009	12							
2010	01							
2010	02							
2010	03							
2010	04							
2010	05							
2010	06							
2010	07							
2010	08							
2010	09							
2010	10							
2010	11							
2010	12							

4. Please complete the following table with TECO's monthly reserve capacity for the period 2009 through 2010, assuming the following scenarios: 1) Only the two May CTs are completed, 2) Only one of the September CTs is completed, 3) none of the 2009 CTs are completed.

Monthly Reserve Margin Calculation: (Scenario)								
Date		Total Capacity Available	Firm Peak Demand	Reserve Margin Before Maintenance		Scheduled Maintenance	Reserve Margin After Maintenance	
		(MW)	(MW)	(MW)	(%)	(MW)	(MW)	(%)
2009	01							
2009	02							
2009	03							
2009	04							
2009	05							
2009	06							
2009	07							
2009	08							
2009	09							
2009	10							
2009	11							
2009	12							
2010	01							
2010	02							
2010	03							
2010	04							
2010	05							
2010	06							
2010	07							
2010	08							

2010	09							
2010	10							
2010	11							
2010	12							

5. Please explain or describe any retirements, extended outages, or capacity rating reductions of installed units that occurred during 2008 and thus far in 2009.
6. Please explain or describe the requirement of a 20% planning reserve margin criteria, its effect upon the reliability of TECO's system, and its origin.
7. Please explain or describe TECO's blackstart requirements, and how they have changed annually for periods 2007, 2008, and projected for 2009.
  - a. How was TECO's blackstart capability served previously in 2007 and 2008?
  - b. How have the two combustion turbines installed in 2009 contributed to TECO's blackstart capabilities?
  - c. How will the three additional combustion turbines to be installed in 2009 serve TECO's blackstart needs?
8. Please explain or describe TECO's Operating Reserve Margin requirements and its effect upon the reliability of TECO's system, and its origin.
  - a. Please discuss TECO's level one contingency requirements, spinning reserve, and non-spinning reserve. Please also discuss how these requirements relate to each other, and how these influence how TECO's plans for reliability requirements.
9. Please explain or describe how TECO served its Operating Reserve Margin requirements for 2007, 2008, and projected for 2009. Please also include what the impact will be of the remaining 2009 combustion turbines, if put into service on schedule.
10. Please explain or describe how the Operating Reserve Margin relates to the company's planning reserve margin criteria.
11. Please provide a copy of the timelines for the 2009 combustion turbines (CT) including all major dates, such as when need for future generating capacity is identified, date project evaluations were started and completed, date project evaluations were submitted to the Board of Directors and approved by the Board of Directors, dates permits were obtained, procure equipment, construction, start-up and commissioning and similar events.
12. What alternatives were considered to the three combustion turbines scheduled to be in commercial service in September, 2009?

Mr. Lee Willis, Esquire

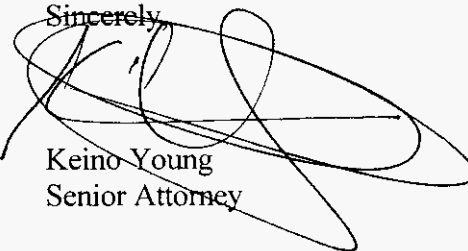
Page 6

October 6, 2009

13. Please explain how TECO would meet its peak load requirements or operating reserve requirements if the three combustion turbines scheduled to be in commercial service in September, 2009, are either delayed or cancelled.
14. Please discuss any contracts that could have been effected by a delay of either the May Combustion Turbines or the September Combustion Turbines. Please include what the approximate financial impact of delay would result in relating to these contracts.
15. Please discuss any contracts that could have been effected by a cancellation of either the May Combustion Turbines or the September Combustion Turbines. Please include what the approximate financial impact of cancellation would result in relating to these contracts.

Please file the original and five copies of the requested information by October 16, 2009 with Ms. Ann Cole, Commission Clerk, Office of Commission Clerk, 2540 Shumard Oak Boulevard, Tallahassee, Florida, 32399-0850. Please feel free to call me at (850) 413-6226 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Keino Young', is written over the word 'Sincerely,'. The signature is stylized and somewhat illegible due to overlapping loops.

Keino Young  
Senior Attorney

cc: Office of Commission Clerk  
Division of Economic Regulation  
Docket No. 090368-EI (Parties)

090368 Data Request1.ky.doc