STATE OF FLORIDA

GENERAL COUNSEL
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Public Service Commission

July 1, 2011

Ken Hoffman, Esquire
Director of Regulatory Relations
Florida Power & Light
215 S. Monroe, Suite 810
Tallahassee, FL 32301

STAFF'S SIXTH DATA REQUEST

110000-OT

Re: 2011 Ten-Year Site Plan Review

Dear Mr. Hoffman:

By this letter, the Commission Staff requests that Florida Power & Light provide responses to the following data requests:

1. Please provide a status update of all planned Renewable Energy facilities including scheduled construction dates, upcoming and achieved milestones, changes to the original plan, and any other notable progress towards their completions.

2. Please list all planned Renewable Energy Contracts and/or facilities that have been cancelled, withdrawn, or delayed since the filing of the 2010 Ten-Year Site Plan. As part of this response, explain or describe the reason(s) for the change in the status of each.

3. Please complete the table below describing the status of the company's generating units during each month's peak demand, for each year from 2007 through 2010. Please also provide data for 2011 as available. Please include the actual values at monthly peak for planned capacity, scheduled maintenance, forced outages, available capacity, and the system peak demand. Please provide these responses in hardcopy and in electronic (Excel) format.

Year: (2007, 2008, 2009, 2010, 2011)					
Month	Capacity / Demand at Time of Peak (MW)				
	Planned Capacity	Scheduled Maintenance	Forced Outages	Available Capacity	Peak Demand
Jan					
Feb					
Mar					
Apr					
May					
Jun					
Jul					
Aug					
Sep					
Oct					
Nov					
Dec					

4. Please complete the following table describing the company's historic actual peak demand and available capacity, and the company's projected (from the previous year's forecast) peak demand and planning capacity. Please provide the variance between the actual and projected values. Please provide these responses in hardcopy and in electronic (Excel) format.

Year	Peak Demand	Projected (Year Before) Peak Demand	Variance	Available Capacity During Peak	Projected Capacity During Peak	Variance
	(MW)	(MW)	(%)	(MW)	(MW)	(%)
2007						
2008						
2009						
2010						

5. Please complete the following table describing the company's usage of interruptible or curtailable load. Please describe, for each type of load management, the total number of customers available to be interrupted or curtailed, the number of customers interrupted each year, total load interrupted and available to be interrupted, and the average duration of interruptions. Please complete this table for each of the following groups; interruptible load, curtailable load, residential load management, and commercial load management. Please provide these responses in hard copy and in electronic (Excel) format.

Year	Total Customers Available for Interruption	Total Customer(s) Interrupted	Interruptions per Customer per Year	Total Interrupted Load	Total Interruptible Load Available	Average Duration of Interruption
	(-)	(-)	(int/yr)	(MW)	(MW)	(mins)
1995						
1996						
1997						
1998						
1999						
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						
2010						

6. Please indicate the number of customers since 1995 participating in interruptible, curtailable, and load management programs that have requested to discontinue their participation. Please provide annual figures for each of the following programs individually: interruptible load, curtailable load, residential load management, and commercial load management.

7. Please explain or describe the reason(s) given, if any, by those customers that chose to discontinue participation in interruptible, curtailable, or load management programs.

8. In both the 2009 (p. 21) and 2010 (p. 41) reviews of the utilities Ten-Year Site Plans, the Commission has stated that, "...in an era of rising rates, utilities should study all options available to mitigate price increases, including possible modification of current planning criteria." Please provide and discuss any such studies that have been performed, including those that demonstrate the benefit of maintaining the company's current level of planning reserve. If no such studies have been conducted, please describe and explain the reason(s).

9. For the next planned generating unit identified in the company's 2011 Ten-Year Site Plan, please provide the estimated annual value of deferral for each year for five years. As part of this response, identify any planned additional generating unit which is capable of being deferred, and what potential impacts a deferral would have on any pre-existing contracts or purchases.

10. Please explain or describe the impact(s) of having an operating capacity that was reduced from current levels by 5% during the two previous peak seasons (Jan/Feb 2011, and July/Aug 2010).

On May 25, 2011, FPL filed Document No. 03002-11, in Docket No. 110091-EU, Petition for Approval of Renewable Energy Tariff and Standard Offer Contract by Florida Power & Light Company. This filing included a letter which contains information pertinent to staff's review of FPL's 2011 Ten-Year Site Plan.

11. Please explain whether FPL will be filing a revision of its 2011 Ten-Year Site Plan that reflects the changes described in Document 03002-11 and if so, when staff should expect the revised Plan. Please also discuss any additional changes to the Plan that may have been made since May 25, if any.

12. Please describe and discuss the planning assumptions made in 2010 that changed in 2011 (i.e., additional information, fuel prices, etc.). Please explain whether the planning assumptions made in order to generate the 2011 Plan are still valid.

13. The May 25 letter indicates that due to changes in scheduled maintenance, an additional 350 MW of summer peak capacity will be available. Please describe whether this change in planning also impacts resource availability during times of winter peak, for which FPL is currently scheduling 550 MW maintenance.

14. Please describe and discuss the process and factors which resulted in the company's indication that scheduled maintenance would be required during seasonal peak periods. As part of this response, please provide all studies and analysis done by the company indicating this need.

15. Please describe and discuss the process and factors which resulted in the company's indication that scheduled maintenance would no longer be required during the summer peak period. As part of this response, please provide all studies and analysis done by the company indicating that maintenance was no longer required during summer peak. Have these changes in planned mainenance been coordinated with the FRCC?

16. Please discuss the impacts that the changes described in Document No. 03002-11 will have on FPL's resource planning for the remainder of the planning horizon.

    a) Given the expiration of planned purchases in 2016 and the lower projected resource needs, will the planned additions of two new 3x1 combined cycle generating units still be required in 2016 and 2017?

    b) Has FPL expended any dollars for permitting, licensing, engineering, or construction for the unit appearing in the 2011 Plan for in-service in 2016?

17. FPL's 2011 Ten-Year Site Plan discusses the additional natural gas needs that result from the modernizations of the Cape Canaveral and Riviera Beach units. In Staff's Third Data Request, Question 3, staff requested and FPL provided information regarding FPL's plans to meet this additional need.

    a) Has FPL made any determination as to which of the available options it will pursue to provide sufficient gas to the two modernized and two new gas-fired units?

    b) Has an RFP been issued for this purpose?

c) If so, when was it issued?

d) If not, when will it be issued?

18. FPL's 2011 Ten-Year Site Plan indicates that FPL will continue to evaluate the appropriateness of a minimum generation-only requirement as part of its on-going resource planning work.

    a. What is the status of FPL's evaluation?

    b. What does FPL believe is an appropriate minimum generation-only requirement?

19. Please complete the following table detailing the service periods of the Inactive Reserve units. As part of this response, include the original in-service date, the date the unit first entered the inactive reserve, and its anticipated retirement date. Also include a calculation of the unit's age at retirement, the number of years in the Inactive Reserve without being brought into service during peak, and the number of years reactivated from the Inactive Reserve for use. Please provide these responses in hardcopy and in electronic (Excel) format.

Unit	Original In-Service Date	Date First Entering Inactive Reserve	Anticipated Retirement Date	Unit Age at Retirement	Duration in Inactive Reserve	Duration Returned to Service	Average Heat Rate	Average Fuel Cost
(-)	(mo/yr)	(mo/yr)	(mo/yr)	(Years)	(Years)	(Years)	(MMbtu/kWh)	($/MWh)

20. Please complete the following table detailing the utilization rate of the Inactive Reserve units for the past three years. As part of this response, please provide each unit's capacity, annual energy production, and capacity factor. Please provide these responses in hardcopy and in electronic (Excel) format.

Unit	Capacity	Annual Energy Production (MWh)			
(-)	(MW)	2007	2008	2009	2010
Unit	**Capacity**	**Annual Capacity Factor (%)**			
(-)	(MW)	2007	2008	2009	2010

21. Please complete the following table detailing the planned utilization rate of the Inactive Reserve units for the planning horizon. As part of this response, please provide each unit's planned capacity, annual energy production, and capacity factor. Please shade the years for which an Inactive Reserve unit is anticipated to provide energy but is not included in the calculation of reserve margin. Please mark retired units with an "R" instead of including a numeric value. Please provide these responses in hardcopy and in electronic (Excel) format.

Unit	Capacity	Annual Energy Production (MWh)									
(-)	(MW)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Unit	**Capacity**	**Annual Capacity Factor (%)**									
(-)	(MW)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020

22. Please explain or describe the difference(s) between the Inactive Reserve status that FPL proposes, a Cold Standby, and a long-term scheduled outage. As part of this response, please discuss the length of time required to bring an Inactive Reserve unit back into service, as compared to a unit in Cold Standby or a long-term scheduled outage. Also include a discussion of the differences in cost to bring a unit back in-service between placing a unit in Inactive Reserve, Cold Standby, or a long-term scheduled outage.

23. For each of the Inactive Reserve Units, provide the annual Fixed O&M expense, before and after the unit entered the Inactive Reserve. Also, please provide the variable O&M expense for each unit, and whether it has changed as a result of the inactive reserve, and if so, to what degree. As part of this response, please explain or describe the reasons for changes in Fixed O&M expense.

24. Please provide a list of all units in the Inactive Reserve which are not scheduled to be placed back into service during the current ten-year planning period (2011-2020). For each of these units, please explain or describe the reasons for not retiring them. As part of this response, please provide a comparison between costs for the planning period associated with maintaining each unit in Inactive Reserve and immediately retiring them.

25. With respect to the impact(s) on projected resource needs of changes to the Inactive Reserve for the planning horizon:

    a) Please describe and discuss the process and factors that resulted in the company indicating that the Inactive Reserve units would be taken off-line and then returned to service, as indicated in the 2010 Ten-Year Site Plan. As part of this response, please provide the studies and analysis done by the company supporting the Inactive Reserve's reactivation schedule.

    b) Please describe and discuss the process and factors that resulted in the company's indication that units in Inactive Reserve would not return to service in order to delay capacity beyond 2014, yet still be maintained as indicated in the 2011 Ten-Year Site Plan. As part of this response, please provide the studies and analysis done by the company supporting the revised reactivation schedule.

    c) Please describe and discuss the process and factors that led to the changes between the 2010 and 2011 Ten-Year Site Plan treatment of the Inactive Reserve. Please explain any and all assumptions made in the 2010 analysis, how these assumptions changed in 2011, and how these changes affected the cost analyses.

    d) Please describe and discuss any studies or analyses done regarding the reactivation of a portion of the Inactive Reserve units, rather than them all?

26. Regarding Turkey Point Unit 2, please explain or describe why this unit is included in the Inactive Reserve while it is projected to remain in a transmission support role for the foreseeable future? As part of this response, please provide the projected annual fuel costs of using the unit in this role, and what other options are available to the company to provide the

necessary transmission support. Please also describe what other units the company is currently using in a transmission support role and how these are accounted for.

27. Regarding Turkey Point Unit 2, please discuss why the unit, in whole or part, is not included in the Company's Reserve Margin. As part of this response, please describe whether or not the unit is capable of delivering real power to the grid, and if it would be capable of providing capacity and energy, in part or whole of the unit's rated capacity, while still performing its transmission support functions.

28. Based on FPL's previous data responses, all the Inactive Reserve units are considered candidates for repowering. Does the company have any plans to repower any of these units? If so, which ones? If not, why not? As part of this response, please provide any factors which may influence the decision to repower the sites, including available area, fuel issues, etc., along with any cost-effectiveness analyses performed by FPL.

29. Please discuss which, if any, of the Inactive Reserve units have the ability to contribute to addressing the balance between load and generating capacity in Southeastern Florida. As part of this response, describe the potential benefits and/or problems with using these units to address the region's transmission issues.

Please file the original and five copies of the requested information by July 15, 2011, with Ann Cole, Commission Clerk, Office of Commission Clerk, 2540 Shumard Oak Boulevard, Tallahassee, Florida, 32399-0850. Please feel free to call me at (850) 413-6856 if you have any questions.

Sincerely,

Larry D. Harris
Senior Attorney
Office of the General Counsel

LDH/tef

cc: Office of the Commission Clerk