

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Progress Energy Florida, Inc.'s Responses to the 2009 TYSP Supplemental Data Request.

Docket No. Undocketed

Dated: April 1, 2009

COMMISSION CLERK

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NOTICE OF INTENT TO REQUEST CONFIDENTIAL CLASSIFICATION

Progress Energy Florida, Inc., ("PEF" or "Company"), pursuant to Section 366.093, Florida Statutes (F.S.), and Rule 25-22.006, Florida Administrative Code (F.A.C.), submits this Notice of Intent to Request Confidential Classification of confidential portions of PEF's responses to Staff's 2009 TYSP Supplemental Data Request dated February 23, 2009.

Specifically, portions of PEF's response to Staff's Supplemental Data Request in the Forecasting and Planning Section, Pages 17, 18, 20, 22-26 and the Renewable Energy Section, Pages 5 and 6, contain sensitive business information concerning proposed projects, specific project activities, specific gas storage agreement information, renewable energy payments, and costs/kWh, the disclosure of which would impair the efforts of the Company to negotiate projects and renewable contracts on favorable terms. If companies were allowed to compare the project activities and renewable energy costs being negotiated, it could lead to adverse effects for the Company, causing a change in behavior by interested parties and cause an increase in renewable costs and other relevant

costs to the company.

Attached as Exhibit A is a confidential, highlighted copy of the above referenced documents along with a copy of Staff's February 23, 2009 Supplemental Data Request.

This undocketed notice of intent was filed with Confidential Document No. 02898-09. The document has been placed in confidential storage pending timely receipt of a request for confidentiality. Your division director must obtain written permission from the EXD/Tech for you to access the confidential material.

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Pursuant to Rule 25-22.006(3)(a)(1), PEF will file its Request for Confidential Classification for such confidential information contained therein within twenty-one (21) days of filing this request.

RESPECTFULLY SUBMITTED this 1st day of April, 2009.

Handwritten signature of John T. Burnett in black ink, written over a horizontal line.

R. ALEXANDER GLENN
General Counsel - Florida
JOHN T. BURNETT
Associate General Counsel - Florida
Progress Energy Service Company, LLC
Post Office Box 14042
St. Petersburg, Florida 33733-4042
Telephone: 727-820-5184
Facsimile: 727-820-5249
Email: john.burnett@pgnmail.com

Attorneys for
PROGRESS ENERGY FLORIDA, INC.

**FLORIDA PUBLIC SERVICE COMMISSION
2009 TEN YEAR SITE PLANS
SUPPLEMENTAL DATA REQUEST : FORECASTING & PLANNING**

Company Name: _____

February 20, 2009

Note: If a question is not applicable to the utility, please state "Not Applicable" or "N/A" as appropriate.

I. General:

1. Provide all data requested on the attached forms, in electronic (Excel) and hard copy. If any of the requested data is already included in the company's Ten-Year Site Plan, state so on the appropriate form.

II. Load Forecasting:

2. Provide, on a system-wide basis, historical annual heating degree day (HDD) data for the period 1999 through 2008 and forecasted annual HDD data for the period 2009 through 2018. Describe how the company derives system-wide temperature if more than one weather station is used.
3. Provide, on a system-wide basis, historical annual cooling degree day (CDD) data for the period 1999 through 2008 and forecasted annual CDD data for the period 2009 through 2018. Describe how the company derives system-wide temperature if more than one weather station is used.
4. Provide, on a system-wide basis, the historical annual average real retail price of electricity in the company's service territory for the period 1999 through 2008. Also, provide the forecasted annual average real retail price of electricity in the company's service territory for the period 2009 through 2018. Indicate the type of price deflator used to calculate historical and forecasted prices.
5. Provide the following data to support Schedule 4 of the company's Ten-Year Site Plan: the 12 monthly peak demands for the years 2006, 2007, and 2008; the date when these monthly peaks occurred; and, the temperature at the time of these monthly peaks. Describe how the company derives system-wide temperature if more than one weather station is used.
6. Provide, on a system-wide basis, a typical Daily Loading Curve for Summer and Winter, including both the chart and the related data table.
7. Please discuss any recent trends in customer growth, by customer type (residential, industrial & commercial, etc) and as a whole. Please explain the nature or reason for these trends, and identify what types of customers are most affected by these trends. (For example, is a decline in customers a loss of temporary construction meters or a decline in population?)

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8. Please complete the table below, in electronic (Excel) and hard copy, regarding the company's projected minimum load requirements.

Year	Minimum Load (MW)
2009	
2010	
2011	
2012	
2013	
2014	
2015	
2016	
2017	
2018	

III. Planning:

A. Generation

9. Illustrate what the company's generation expansion plan would be as a result of sensitivities to the base case demand and fuel price forecast. Include the cumulative present worth revenue requirements of each sensitivity.
10. For each of the generating units contained in the company's Ten-Year Site Plan, discuss the Adrop dead@ date for a decision on whether or not to construct each unit. Provide a time line for the construction of each unit, including regulatory approval, and final decision point.
11. Provide a list of all of the company's generating units that are capable of repowering. Include a description of any major obstacles that could affect repowering efforts at these sites.
12. If the repowering of existing units is approved would the company need to revise their Ten-Year Site Plan.
13. Please provide the average heat rate for the generation fleet each year for the period 1999 through 2018
14. Please provide the rate of emissions of regulated materials and carbon dioxide for the generation fleet each year for the period 1999 through 2018.
15. Please indicate whether any current long-term contracts to sell energy have options allowing modification, including additional charges, in the event of increased or new emission compliance costs.

16. Please complete the table below, in electronic (Excel) and hard copy, regarding the company's generation fleet and the typical use of each unit. Please identify capacity type as either Baseload, Intermediate, or Peaking, and group units by their capacity type. Please use the abbreviations for fuel and generation facilities from the FRCC Load and Resource Plan for the table below. (For example, a combustion turbine that is not part of a combined cycle unit is identified with generator code "GT.")

Existing Unit	Fuel Code	Generator Code	In-Service Date	Capacity Factor (%)	Capacity Type	Net Capacity (MW)
				Sub-Total	Baseload	
				Sub-Total	Intermediate	
				Sub-Total	Peaking	
				Total		

Future Unit	Fuel Code	Generator Code	In-Service Date	Capacity Factor (%)	Capacity Type	Net Capacity (MW)
				Sub-Total	Baseload	
				Sub-Total	Intermediate	
				Sub-Total	Peaking	
				Total		

B. Purchased Power

17. Please discuss in detail the company's plans for the use of firm purchased power, i.e., purchased power by long-term contract, for the period 2009 through 2018.
18. Describe the nature of the company's options to continue purchasing capacity under its existing contracts.
19. Discuss what happens to the company's capacity purchases that expire during the planning horizon, including any attempts to extend these contracts.
20. Identify and discuss any known firm power purchases that the company expects to make from other generation suppliers over the planning horizon.
21. Identify each of the firm capacity imports, for each year, reflected in Schedules 7.1 and 7.2 of the company's Ten-Year Site Plan. Include the provider, term, capacity in MW, a description of whether the purchase is from a system or specific generating unit, and the location of the unit if a UPS.

IV. Fuel Forecasting:

A. General

22. Discuss how the company compares its fuel price forecasts to recognized, authoritative independent forecasts.
23. For each fuel type (coal, natural gas, nuclear fuel, etc.), please discuss in detail the expected industry trends and factors for the period 2009 through 2018. As part of this discussion, please include how these factors and trends will affect the company.

B. Natural Gas

24. What steps has the company taken to ensure gas supply availability and transport over the 2009 through 2018 planning period?
25. Regarding existing and planned natural gas pipeline expansion projects, including new pipelines, affecting the company for the period 2009 through 2018, please identify each project and discuss it in detail.
26. Please discuss in detail any existing or planned natural gas pipeline expansion project, including new pipelines and off-shore projects, outside the State of Florida that will affect the company over the period 2009 through 2018.
27. Regarding unconventional natural gas production (shale gas, tight sands, etc.), please discuss in detail the expected industry factors and trends for the period 2009 through 2018. As part of this discussion, please include how these factors and trends will affect the company.

28. Regarding liquefied natural gas (LNG) imports to the United States, please discuss in detail the expected industry factors and trends for the period 2009 through 2018. As part of this discussion, please include how these factors and trends will affect the company.
29. Please discuss in detail the company's plans for the use of firm natural gas storage for the period 2009 through 2018.

C. Coal

30. Discuss the actions taken by the company to promote competition within and among coal transportation modes.
31. Regarding coal transportation by rail, please discuss the expected industry trends and factors for the period 2009 through 2018. As part of this discussion, please include how these factors and trends will affect the company. Also include a discussion of any expected changes to terminals and port facilities that could affect coal transportation for the company.
32. Regarding coal transportation by water, please discuss the expected industry trends and factors for the period 2009 through 2018. As part of this discussion, please include how these factors and trends will affect the company. Also include a discussion of any expected changes to terminals and port facilities that could affect coal transportation for the company.
33. Regarding planned changes and construction projects at coal generating units, please discuss the expected changes for coal handling, blending, unloading, and storage for the period 2009 through 2018.

D. Nuclear

34. For the period 2009 through 2018, please discuss in detail the company's plans for the storage and disposal of spent nuclear fuel. As part of this discussion, please include the company's expectation regarding Yucca Mountain, dry cask storage, and litigation involving spent nuclear fuel, and the future of the Nuclear Waste Disposal Act.
35. Regarding uranium production, please discuss the expected industry trends and factors for the period 2009 through 2018. As part of this discussion, please include how these factors and trends will affect the company.

E. Fuel Oil

36. Regarding the transportation of heavy fuel oil and distillate fuel oil, please discuss the expected industry trends and factors for the period 2009 through 2018. As part of this discussion, please include how these factors and trends will affect the company.

F. Renewables

- 37. Please discuss the effect of changes in fossil fuel prices on the competitiveness of renewable technologies.
- 38. Please discuss the effect of renewable resource development (for electric generation and non-generation technologies) on fossil fuel prices.

V. Other Resource Forecasts:

- 39. Please describe any water conservation practices in use by the company.
- 40. Please complete the tables below, in electronic (Excel) and hard copy, regarding current and future water needs

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
MGal/Day										

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
MGal/Day										

- 41. Please complete the tables below, in electronic (Excel) and hard copy, regarding current and future ground water needs.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
MGal/Day										

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
MGal/Day										

- 42. Please complete the table below indicating what water sources will supply the needs of the future generators identified in Schedule 9 of the company's Ten Year Site Plan. Please include water used for boilers, cooling, and air pollution control, as well as any potable needs.

Water Source	Generator or Capacity Addition	Quantity Required (MGal/Day)

43. Please complete the table below identifying all water sources which currently supply the needs of existing plant sites. Please include water used for boilers, cooling, and air pollution control, as well as any potable needs.

Water Source	Site	Water Consumption (MGal/Day)

**FLORIDA PUBLIC SERVICE COMMISSION
2009 TEN YEAR SITE PLANS
SUPPLEMENTAL DATA REQUEST : RENEWABLE ENERGY**

Company Name: _____

February 20, 2009

Note: If a question is not applicable to your utility, please state "Not Applicable" or "N/A" as appropriate.

I. Renewable Generation Resources:

As used in the proceeding questions, the term "renewable energy" has the same meaning as used in Section 377.803, Florida Statutes. Please refer to the tables below when identifying fuel types, fuel codes, and generator codes.

<u>Fuel Types</u>	<u>Fuel Code</u>	<u>Examples</u>
Biomass	AB	> Agriculture By-Products, Bagasse, Straw, Energy Crops.
	MSW	> Municipal Solid Waste (Refuse).
	SLW	> Sludge Waste.
	WDS	> Wood / Wood Waste Solids (Peat, Railroad Ties, Utility Poles, Wood Chips, other solids).
	OBS	> Biomass Solids (all other solid biomass fuels not covered above)
Landfill Gas	LFG	> Landfill gas.
Water	WAT	> Hydro
Geothermal	GEO	> Geothermal (i.e., geothermal heat pumps).
Biofuels	WDL	> Wood / Wood Waste Liquids (Red Liquor, Sludge Wood, Spent Sulfite Liquor etc.).
	BL	> Black Liquor
	OBL	> Biomass Liquids (Ethanol, Fish Oil, Liquid Acetonitrile Waste, Tall Oil, Waste Alcohol, etc.).
	OBG	> Biomass Gases (Digester Gas, Methane, other gases).
Solar	SUN	> Photovoltaic and Thermal devices (i.e., solar-powered pool heaters).
		> Solar energy converted to electricity
Waste Heat	WH	> Waste heat from sulfuric acid manufacture
Wind	WND	> Wind Energy.
Other	OTH	> Any renewable not covered in above classifications. Please specify.

<u>Generation Types</u>	<u>Generation Code</u>
Combined Cycle - Steam Part	CA
Combined Cycle - Combustion Turbine Part	CT
Combined Cycle - Total Unit	CC
Compressed Air Energy Storage	CE
Combined Cycle Single Shaft	CS
Fuel Cell	FC
Combustion Turbine	GT
Hydraulic Turbine	HY
Hydraulic Turbine - Pumped Storage	PS
Internal Combustion Engine	IC
Not Available	NA
Other	OT
Photovoltaic Cells	PV
Steam Turbine	ST
Wind Turbine	WT

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1. Please provide the following information for each utility-owned renewable fueled generation resource:

Project Description	Fuel Type	Fuel Code	Generator Code	<u>Firm</u> Net Capacity (kW)	Net Energy For Load (2008 kWh)	In-Service Date
			Total			

Project Description	Fuel Type	Fuel Code	Generator Code	<u>Non-Firm</u> Net Capacity (kW)	Net Energy For Load (2008 kWh)	In-Service Date
			Total			

2. Please provide the following information for each purchased power agreement with a renewable generator:

Vendor	Project Description	Fuel Type	Fuel Code	Generator Code	Firm Capacity (kW)	Net Energy For Load (2008 kWh)	Contract Start Date	Contract End Date
				Total				

Vendor	Project Description	Fuel Type	Fuel Code	Generator Code	Non-Firm Capacity (kW)	Net Energy For Load (2008 kWh)	Contract Start Date	Contract End Date
				Total				

3. Please provide the following information for each purchased power agreement with a renewable generator. Please specify if capacity payments are made for each entry. For energy payment type, please include whether it is a fixed or levelized rate, as-available energy, at a specific avoided unit rate, or other mechanism. Also include the total payments made for capacity and energy, and the resulting cost of energy in cents per kilowatt-hour delivered in 2008.

Vendor	Project Description	Fuel Type	Fuel Code	Generator Code	Firm Capacity (kW)	Capacity Payments? (Y or N)	Energy Payment Type	Total Payments (\$)	Average Cost (¢/kWh)
				Total			Total		

Vendor	Project Description	Fuel Type	Fuel Code	Generator Code	Non-Firm Capacity (kW)	Capacity Payments? (Y or N)	Energy Payment Type	Total Payments (\$)	Average Cost (¢/kWh)
				Total			Total		

4. Please provide the net energy for load percentage and annual retail sales percentage for the period 2003 through 2014.

	Actual						Projected					
Percent Net Energy for Load	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Purchased Power Agreements												
Utility Owned Generation												
Total												
Percent Annual Retail Sales	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Purchased Power Agreements												
Utility Owned Generation												
Total												

5. Please indicate the energy delivered by utility-owned renewable generation resources and by purchased power agreements.

	Renewable Fuel Type	Utility-Owned Renewable Generation			Purchased Power Agreements		
		kWh	% of Net Energy for Load	% of Retail Sales	kWh	% of Net Energy for Load	% of Retail Sales
2003							
2004							
2005							
2006							
2007							
2008							

6. Please provide the following information for each customer-owned renewable energy generation resource within your service area. Please make a notation if these sources are already included above in purchase power agreements.

Fuel Type	Fuel Code	Generator Code	Number of Residential Connections	kW*	kWH* (2007)

* - For non-electricity generating renewable energy systems, such as geothermal cooling and solar hot water heaters, please use kilowatt-equivalent and kilowatt-hour-equivalent units, and mark these entries with an asterisk

Fuel Type	Fuel Code	Generator Code	Number of Commercial Connections	kW*	kWH* (2007)

* - For non-electricity generating renewable energy systems, such as geothermal cooling and solar hot water heaters, please use kilowatt-equivalent and kilowatt-hour-equivalent units, and mark these entries with an asterisk

7. Please provide the following information for any planned renewable generation projects with expected in-service dates within the next 5 years:

Utility-Owned or PPA?	Project Description	Fuel Type	Fuel Code	Generator Code	Firm Net Capacity (kW)	Projected Annual Net Energy For Load (kWh)	In-Service Date

Utility-Owned or PPA?	Project Description	Fuel Type	Fuel Code	Generator Code	Non-Firm Net Capacity (kW)	Projected Annual Net Energy For Load (kWh)	In-Service Date

- 8. Please refer to the planned renewable generation projects outlined above in Question 7. Please discuss the current status of each project.
- 9. Please explain or describe whether any of the projects described above in Question 7 involve using a combination of renewable and fossil fuels.

10. Please provide the following information for each self-service renewable generator within your service area. Please make a notation if these sources are already included above in purchase power agreements.

Source	Fuel Type	Fuel Code	Generator Code	Existing Capacity (MW)	Existing Energy (MWh)	Potential Capacity (MW)	Potential Energy (MWh)

11. Please provide the following retail sales information for each of the period 2009 through 2018.

Annual Revenue from Retail Sales	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1% Retail Sales Revenue										
2% Retail Sales Revenue										
3% Retail Sales Revenue										
4% Retail Sales Revenue										
5% Retail Sales Revenue										

12. Please provide the following energy generation data for the period 2009 through 2018.

Energy from Generating Technology (GWh)	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Renewable Generation (All Sources)										
Nuclear Generation (In-Service Date 2008 or Later)										
IGCC Generation										
Conservation and Demand-Side Management Savings										

Percent of Annual Retail Energy Sales (%)	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Renewable Generation (All Sources)										
Nuclear Generation (In-Service Date 2008 or Later)										
IGCC Generation										
Conservation and Demand-Side Management Savings										

13. Please state and discuss whether Solar Generation is considered to contribute to any seasonal peak demand as firm capacity, either as a portion of its nameplate capacity or in full.
14. Please state and discuss whether Wind Generation is considered to contribute to any seasonal peak demand as firm capacity, either as a portion of its nameplate capacity or in full.
15. Please answer the following questions on any transfer or possibility of transfer of Renewable Energy Credits (RECs). Please provide the approximate annual amount with each question in megawatt-hours of associated renewable energy, excluding any multipliers or other effects.
 - a) Does the company currently have any contracts to purchase RECs, or allowing the purchase of RECs through the right of first refusal or other similar mechanism? If so, what is the approximate annual amount of these contracts, and when do they expire?
 - b) Does your company currently have any contracts to sell RECs, or allowing the offering of the first right of refusal to another party or other similar mechanism? If so, what is the approximate annual amount of these contracts, and when do they expire?
 - c) What quantity of the RECs discussed above are purchased from out of state, or sold out of state?
16. Does your company currently participate or plan to participate in the market for RECs? If so, how? If not, why not?
17. Please discuss any studies conducted or planned with regarding the use combinations of renewable and fossil fuels in existing or future fossil units. What potential does your company identify in this area?
18. Please explain and discuss the status of current negotiations for new purchased power agreements with renewable generators, and in particular, how these negotiations compare to the standard offer contract.
19. How does your company obtain information on renewable generators that are potential purchased power providers for your system?
20. How many employees are dedicated to developing renewable generation resources or negotiating renewable purchased power agreements? How do these employees fit into your company's organizational structure?
21. Please provide any available information on renewable generation resources within your company's territory that are not currently under contract by your company. Also, please describe, if any, your company's outreach program for these types of generation, either interconnected to the grid or the distribution network.
22. Please discuss any planned renewable generation or renewable purchased power agreements within the past 5 years that did not materialize. What was the primary reason these generation plans or purchased power contracts were not realized? What, if any, were the secondary reasons?
23. List and discuss any renewable generation research projects undertaken by your company within the past 5 years. What is the "area of emphasis" for those projects?
24. List and discuss any other activities by your company that promote renewable generation.

II. Consumer Programs:

1. Green Pricing:

- a) Does your company currently offer a green pricing program for residential and/or commercial customers? If so, please provide a brief description of this program, including participation fees and current participation level. How are the program's funds used to support renewable resources? How are consumers made aware of this program?
- b) What, if any, new renewable generation has been installed as a result of this program, and in what state?
- c) What is the estimate of renewable energy provided to participants as a result of the program?
- d) If contributions to the green pricing program are used to purchase RECs, would your company consider these RECs available to be used towards meeting any state or national renewable portfolio standard?
- e) If contributions to the green pricing program have been used to purchase RECs, in what state(s) are the renewable generation resources associated with these RECs?

2. Please discuss any other renewable programs offered to your consumers, for example, solar rebates, low interest loans, net metering, and educational programs. How are consumers made aware of these programs?

3. List and discuss any other activities by your company designed to promote consumer adoption or awareness of renewable energy.

Please provide contact information for the appropriate person to answer any follow-up questions.

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

STATE OF FLORIDA



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(850) 413-6770

Public Service Commission

ACKNOWLEDGEMENT

DATE: April 1, 2009

TO: John T. Burnett, Esquire/Progress Energy Service Company, LLC

FROM: Marguerite H. McLean, Office of Commission Clerk

RE: Acknowledgement of Receipt of Confidential Filing

This will acknowledge receipt of a **CONFIDENTIAL DOCUMENT** filed in Docket Number undocketed [DN 2899-09] or, if filed in an undocketed matter, concerning portions of responses to staff's 2009 TYSP supplemental data request dated 2/23/09, and filed on behalf of Progress Energy Florida, Inc. The document will be maintained in locked storage.

If you have any questions regarding this document, please contact Marguerite McLean, Deputy Clerk, at (850) 413-6770.