

State of Florida



# Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FLORIDA 32399-0850

**-M-E-M-O-R-A-N-D-U-M-**

---

**DATE:** February 29, 2012  
**TO:** Ann Cole, Commission Clerk, Office of Commission Clerk  
**FROM:** Phillip O. Ellis, Engineering Specialist II, Division of Regulatory Analysis  
**RE:** 2012 Ten Year Site Plan 120000-05

---

Attached are letters and a copy of Staff's First Data Request in the Review of 2012 Ten-Year Site Plans to be filed in the Undocketed file.

RECEIVED -FPSC  
12 FEB 29 PM 4:13  
COMMISSION  
CLERK

POE/jc  
Attachment  
cc: Charlie Murphy

DOCUMENT NUMBER-DATE  
01141 FEB 29 2012  
FPSC-COMMISSION CLERK

COMMISSIONERS:  
RONALD A. BRISÉ, CHAIRMAN  
LISA POLAK EDGAR  
ART GRAHAM  
EDUARDO E. BALBIS  
JULIE I. BROWN

STATE OF FLORIDA



CAPITAL CIRCLE OFFICE CENTER  
2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FL 32399-0850

## Public Service Commission

March 1, 2012

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

### Re: Review of 2012 Ten-Year Site Plans – Staff's Data Request #1

Dear Mr. Hoffman,

Pursuant to the Commission's authority under Section 366.05(7), Florida Statutes, we are making a request for supplemental information on each company's generation expansion plans. The information will be used to supplement each company's 2012 *Ten-Year Site Plan* filing.

Enclosed is a CD containing staff's data request, related tables, and appendixes. Please provide the information requested on the enclosed documents in hard copy and electronic format, as noted in the request.

Please submit a response for question 1 along with your 2012 *Ten-Year Site Plan* filing, by April 1, 2012. For all other questions, please submit a response no later than May 1, 2012. Please feel free to contact me if additional time is required to complete the data request.

If you have any questions regarding this request, you may contact me at (850) 413-6626 ([pellis@psc.state.fl.us](mailto:pellis@psc.state.fl.us)) or Traci Matthews at (850) 413-6682 ([tmatthews@psc.state.fl.us](mailto:tmatthews@psc.state.fl.us)). Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Phillip Ellis".

Phillip Ellis  
Division of Regulatory Analysis

Enclosure

cc: Office of the General Counsel (Murphy)  
Office of the Commission Clerk (Cole)

COMMISSIONERS:  
RONALD A. BRISÉ, CHAIRMAN  
LISA POLAK EDGAR  
ART GRAHAM  
EDUARDO E. BALBIS  
JULIE I. BROWN

STATE OF FLORIDA



CAPITAL CIRCLE OFFICE CENTER  
2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FL 32399-0850

## Public Service Commission

March 1, 2012

Mr. Paul Lewis  
Progress Energy Florida, Inc.  
106 E. College Avenue, Suite 800  
Tallahassee, Florida 32301

**Re: Review of 2012 Ten-Year Site Plans – Staff's Data Request #1**

Dear Mr. Lewis,

Pursuant to the Commission's authority under Section 366.05(7), Florida Statutes, we are making a request for supplemental information on each company's generation expansion plans. The information will be used to supplement each company's 2012 *Ten-Year Site Plan* filing.

Enclosed is a CD containing staff's data request, related tables, and appendixes. Please provide the information requested on the enclosed documents in hard copy and electronic format, as noted in the request.

Please submit a response for question 1 along with your 2012 *Ten-Year Site Plan* filing, by April 1, 2012. For all other questions, please submit a response no later than May 1, 2012. Please feel free to contact me if additional time is required to complete the data request.

If you have any questions regarding this request, you may contact me at (850) 413-6626 ([pellis@psc.state.fl.us](mailto:pellis@psc.state.fl.us)) or Traci Matthews at (850) 413-6682 ([tmatthews@psc.state.fl.us](mailto:tmatthews@psc.state.fl.us)). Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Phillip Ellis".

Phillip Ellis  
Division of Regulatory Analysis

Enclosure

cc: Office of the General Counsel (Murphy)  
Office of the Commission Clerk (Cole)

COMMISSIONERS:  
RONALD A. BRISÉ, CHAIRMAN  
LISA POLAK EDGAR  
ART GRAHAM  
EDUARDO E. BALBIS  
JULIE I. BROWN

STATE OF FLORIDA



CAPITAL CIRCLE OFFICE CENTER  
2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FL 32399-0850

## Public Service Commission

March 1, 2012

Mr. Jim Beasley  
Ausley & McMullen (Tampa Electric Company)  
P.O. Box 391  
Tallahassee, Florida 32302

**Re: Review of 2012 Ten-Year Site Plans – Staff's Data Request #1**

Dear Mr. Beasley,

Pursuant to the Commission's authority under Section 366.05(7), Florida Statutes, we are making a request for supplemental information on each company's generation expansion plans. The information will be used to supplement each company's 2012 *Ten-Year Site Plan* filing.

Enclosed is a CD containing staff's data request, related tables, and appendixes. Please provide the information requested on the enclosed documents in hard copy and electronic format, as noted in the request.

Please submit a response for question 1 along with your 2012 *Ten-Year Site Plan* filing, by April 1, 2012. For all other questions, please submit a response no later than May 1, 2012. Please feel free to contact me if additional time is required to complete the data request.

If you have any questions regarding this request, you may contact me at (850) 413-6626 ([pellis@psc.state.fl.us](mailto:pellis@psc.state.fl.us)) or Traci Matthews at (850) 413-6682 ([tmatthews@psc.state.fl.us](mailto:tmatthews@psc.state.fl.us)). Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Phillip Ellis".

Phillip Ellis  
Division of Regulatory Analysis

Enclosure

cc: Office of the General Counsel (Murphy)  
Office of the Commission Clerk (Cole)

COMMISSIONERS:  
RONALD A. BRISÉ, CHAIRMAN  
LISA POLAK EDGAR  
ART GRAHAM  
EDUARDO E. BALBIS  
JULIE I. BROWN

STATE OF FLORIDA



CAPITAL CIRCLE OFFICE CENTER  
2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FL 32399-0850

## Public Service Commission

March 1, 2012

Ms. Susan Ritenour  
Secretary and Treasurer and Regulatory Manager  
Gulf Power Company  
One Energy Place  
Pensacola, Florida 32520

**Re: Review of 2012 Ten-Year Site Plans – Staff's Data Request #1**

Dear Ms. Ritenour,

Pursuant to the Commission's authority under Section 366.05(7), Florida Statutes, we are making a request for supplemental information on each company's generation expansion plans. The information will be used to supplement each company's 2012 *Ten-Year Site Plan* filing.

Enclosed is a CD containing staff's data request, related tables, and appendixes. Please provide the information requested on the enclosed documents in hard copy and electronic format, as noted in the request.

Please submit a response for question 1 along with your 2012 *Ten-Year Site Plan* filing, by April 1, 2012. For all other questions, please submit a response no later than May 1, 2012. Please feel free to contact me if additional time is required to complete the data request.

If you have any questions regarding this request, you may contact me at (850) 413-6626 (pellis@psc.state.fl.us) or Traci Matthews at (850) 413-6682 (tmatthews@psc.state.fl.us). Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Phillip Ellis".

Phillip Ellis  
Division of Regulatory Analysis

Enclosure

cc: Office of the General Counsel (Murphy)  
Office of the Commission Clerk (Cole)

COMMISSIONERS:  
RONALD A. BRISÉ, CHAIRMAN  
LISA POLAK EDGAR  
ART GRAHAM  
EDUARDO E. BALBIS  
JULIE I. BROWN

STATE OF FLORIDA



CAPITAL CIRCLE OFFICE CENTER  
2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FL 32399-0850

## Public Service Commission

March 1, 2012

Mrs. Michele Jackson  
System Planning Manager  
Assistant General Manager, Power Resources  
Florida Municipal Power Agency  
8553 Commodity Circle  
Orlando, Florida 32819-9002

**Re: Review of 2012 Ten-Year Site Plans – Staff's Data Request #1**

Dear Mrs. Jackson,

Pursuant to the Commission's authority under Section 366.05(7), Florida Statutes, we are making a request for supplemental information on each company's generation expansion plans. The information will be used to supplement each company's 2012 *Ten-Year Site Plan* filing.

Enclosed is a CD containing staff's data request, related tables, and appendixes. Please provide the information requested on the enclosed documents in hard copy and electronic format, as noted in the request.

Please submit a response for question 1 along with your 2012 *Ten-Year Site Plan* filing, by April 1, 2012. For all other questions, please submit a response no later than May 1, 2012. Please feel free to contact me if additional time is required to complete the data request.

If you have any questions regarding this request, you may contact me at (850) 413-6626 (pellis@psc.state.fl.us) or Traci Matthews at (850) 413-6682 (tmatthews@psc.state.fl.us). Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Phillip Ellis".

Phillip Ellis  
Division of Regulatory Analysis

Enclosure

cc: Office of the General Counsel (Murphy)  
Office of the Commission Clerk (Cole)

COMMISSIONERS:  
RONALD A. BRISÉ, CHAIRMAN  
LISA POLAK EDGAR  
ART GRAHAM  
EDUARDO E. BALBIS  
JULIE I. BROWN

STATE OF FLORIDA



CAPITAL CIRCLE OFFICE CENTER  
2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FL 32399-0850

## Public Service Commission

March 1, 2012

Mr. Edward Regan  
Assistant General Manager, Strategic Utility Planning  
Gainesville Regional Utilities  
P.O. Box 147117, Station A136  
Gainesville, Florida 32614

**Re: Review of 2012 Ten-Year Site Plans – Staff's Data Request #1**

Dear Mr. Regan,

Pursuant to the Commission's authority under Section 366.05(7), Florida Statutes, we are making a request for supplemental information on each company's generation expansion plans. The information will be used to supplement each company's 2012 *Ten-Year Site Plan* filing.

Enclosed is a CD containing staff's data request, related tables, and appendixes. Please provide the information requested on the enclosed documents in hard copy and electronic format, as noted in the request.

Please submit a response for question 1 along with your 2012 *Ten-Year Site Plan* filing, by April 1, 2012. For all other questions, please submit a response no later than May 1, 2012. Please feel free to contact me if additional time is required to complete the data request.

If you have any questions regarding this request, you may contact me at (850) 413-6626 (pellis@psc.state.fl.us) or Traci Matthews at (850) 413-6682 (tmatthews@psc.state.fl.us). Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Phillip Ellis".

Phillip Ellis  
Division of Regulatory Analysis

Enclosure

cc: Office of the General Counsel (Murphy)  
Office of the Commission Clerk (Cole)

COMMISSIONERS:  
RONALD A. BRISÉ, CHAIRMAN  
LISA POLAK EDGAR  
ART GRAHAM  
EDUARDO E. BALBIS  
JULIE I. BROWN

STATE OF FLORIDA



CAPITAL CIRCLE OFFICE CENTER  
2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FL 32399-0850

## Public Service Commission

March 1, 2012

Ms. Mary Guyton Baker  
Electric System Planning  
JEA  
21 W. Church St., Tower 11  
Jacksonville, Florida 32202

**Re: Review of 2012 Ten-Year Site Plans – Staff's Data Request #1**

Dear Ms. Guyton Baker,

Pursuant to the Commission's authority under Section 366.05(7), Florida Statutes, we are making a request for supplemental information on each company's generation expansion plans. The information will be used to supplement each company's 2012 *Ten-Year Site Plan* filing.

Enclosed is a CD containing staff's data request, related tables, and appendixes. Please provide the information requested on the enclosed documents in hard copy and electronic format, as noted in the request.

Please submit a response for question 1 along with your 2012 *Ten-Year Site Plan* filing, by April 1, 2012. For all other questions, please submit a response no later than May 1, 2012. Please feel free to contact me if additional time is required to complete the data request.

If you have any questions regarding this request, you may contact me at (850) 413-6626 (pellis@psc.state.fl.us) or Traci Matthews at (850) 413-6682 (tmatthews@psc.state.fl.us). Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Phillip Ellis".

Phillip Ellis  
Division of Regulatory Analysis

Enclosure

cc: Office of the General Counsel (Murphy)  
Office of the Commission Clerk (Cole)



COMMISSIONERS:  
RONALD A. BRISÉ, CHAIRMAN  
LISA POLAK EDGAR  
ART GRAHAM  
EDUARDO E. BALBIS  
JULIE I. BROWN

STATE OF FLORIDA



CAPITAL CIRCLE OFFICE CENTER  
2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FL 32399-0850

## Public Service Commission

March 1, 2012

Mr. John Guiseppi  
System Planning Section  
Lakeland Electric  
501 E. Lemon St.  
Lakeland, Florida 33801

**Re: Review of 2012 Ten-Year Site Plans – Staff's Data Request #1**

Dear Mr. Guiseppi,

Pursuant to the Commission's authority under Section 366.05(7), Florida Statutes, we are making a request for supplemental information on each company's generation expansion plans. The information will be used to supplement each company's 2012 *Ten-Year Site Plan* filing.

Enclosed is a CD containing staff's data request, related tables, and appendixes. Please provide the information requested on the enclosed documents in hard copy and electronic format, as noted in the request.

Please submit a response for question 1 along with your 2012 *Ten-Year Site Plan* filing, by April 1, 2012. For all other questions, please submit a response no later than May 1, 2012. Please feel free to contact me if additional time is required to complete the data request.

If you have any questions regarding this request, you may contact me at (850) 413-6626 (pellis@psc.state.fl.us) or Traci Matthews at (850) 413-6682 (tmatthews@psc.state.fl.us). Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Phillip Ellis".

Phillip Ellis  
Division of Regulatory Analysis

Enclosure

cc: Office of the General Counsel (Murphy)  
Office of the Commission Clerk (Cole)

COMMISSIONERS:  
RONALD A. BRISÉ, CHAIRMAN  
LISA POLAK EDGAR  
ART GRAHAM  
EDUARDO E. BALBIS  
JULIE I. BROWN

STATE OF FLORIDA



CAPITAL CIRCLE OFFICE CENTER  
2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FL 32399-0850

## Public Service Commission

March 1, 2012

Mr. Brad Kushner  
Black and Veatch (Orlando Utilities Commission)  
11401 Lamar Ave.  
Overland Park, Kansas 66211

**Re: Review of 2012 Ten-Year Site Plans – Staff's Data Request #1**

Dear Mr. Kushner,

Pursuant to the Commission's authority under Section 366.05(7), Florida Statutes, we are making a request for supplemental information on each company's generation expansion plans. The information will be used to supplement each company's 2012 *Ten-Year Site Plan* filing.

Enclosed is a CD containing staff's data request, related tables, and appendixes. Please provide the information requested on the enclosed documents in hard copy and electronic format, as noted in the request.

Please submit a response for question 1 along with your 2012 *Ten-Year Site Plan* filing, by April 1, 2012. For all other questions, please submit a response no later than May 1, 2012. Please feel free to contact me if additional time is required to complete the data request.

If you have any questions regarding this request, you may contact me at (850) 413-6626 (pellis@psc.state.fl.us) or Traci Matthews at (850) 413-6682 (tmatthews@psc.state.fl.us). Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Phillip Ellis".

Phillip Ellis  
Division of Regulatory Analysis

Enclosure

cc: Office of the General Counsel (Murphy)  
Office of the Commission Clerk (Cole)

COMMISSIONERS:  
RONALD A. BRISÉ, CHAIRMAN  
LISA POLAK EDGAR  
ART GRAHAM  
EDUARDO E. BALBIS  
JULIE I. BROWN

STATE OF FLORIDA



CAPITAL CIRCLE OFFICE CENTER  
2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FL 32399-0850

## Public Service Commission

March 1, 2012

Mrs. Trudy Novak  
Senior Director, Bulk Power & Generation Planning  
Seminole Electric Cooperative  
16313 North Dale Mabry Highway  
Tampa, Florida 33831

**Re: Review of 2012 Ten-Year Site Plans – Staff's Data Request #1**

Dear Mrs. Novak,

Pursuant to the Commission's authority under Section 366.05(7), Florida Statutes, we are making a request for supplemental information on each company's generation expansion plans. The information will be used to supplement each company's 2012 *Ten-Year Site Plan* filing.

Enclosed is a CD containing staff's data request, related tables, and appendixes. Please provide the information requested on the enclosed documents in hard copy and electronic format, as noted in the request.

Please submit a response for question 1 along with your 2012 *Ten-Year Site Plan* filing, by April 1, 2012. For all other questions, please submit a response no later than May 1, 2012. Please feel free to contact me if additional time is required to complete the data request.

If you have any questions regarding this request, you may contact me at (850) 413-6626 (pellis@psc.state.fl.us) or Traci Matthews at (850) 413-6682 (tmatthews@psc.state.fl.us). Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Phillip Ellis".

Phillip Ellis  
Division of Regulatory Analysis

Enclosure

cc: Office of the General Counsel (Murphy)  
Office of the Commission Clerk (Cole)

COMMISSIONERS:  
RONALD A. BRISÉ, CHAIRMAN  
LISA POLAK EDGAR  
ART GRAHAM  
EDUARDO E. BALBIS  
JULIE I. BROWN

STATE OF FLORIDA



CAPITAL CIRCLE OFFICE CENTER  
2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FL 32399-0850

## Public Service Commission

March 1, 2012

Mr. Paul Clark  
Planning Engineer  
City of Tallahassee  
400 E. Van Buren Street  
Tallahassee, Florida 32301

**Re: Review of 2012 Ten-Year Site Plans – Staff's Data Request #1**

Dear Mr. Clark,

Pursuant to the Commission's authority under Section 366.05(7), Florida Statutes, we are making a request for supplemental information on each company's generation expansion plans. The information will be used to supplement each company's 2012 *Ten-Year Site Plan* filing.

Enclosed is a CD containing staff's data request, related tables, and appendixes. Please provide the information requested on the enclosed documents in hard copy and electronic format, as noted in the request.

Please submit a response for question 1 along with your 2012 *Ten-Year Site Plan* filing, by April 1, 2012. For all other questions, please submit a response no later than May 1, 2012. Please feel free to contact me if additional time is required to complete the data request.

If you have any questions regarding this request, you may contact me at (850) 413-6626 (pellis@psc.state.fl.us) or Traci Matthews at (850) 413-6682 (tmatthews@psc.state.fl.us). Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Phillip Ellis".

Phillip Ellis  
Division of Regulatory Analysis

Enclosure

cc: Office of the General Counsel (Murphy)  
Office of the Commission Clerk (Cole)

## **REVIEW OF THE 2012 TEN-YEAR SITE PLANS: DATA REQUEST #1**

Please provide an electronic copy of all responses in Adobe PDF format, with tables to be provided for in an Excel (.xls file format) document, unless otherwise specified in the question.

Please respond to the following question by **April 1, 2012.**

1. Please provide an electronic copy of the Company's 2012 Ten-Year Site Plan (in PDF format) and Schedules 1 through 10 (in Excel format).

Please respond to all remaining questions by **May 1, 2012.**

### **GENERAL QUESTIONS**

2. Please provide all data requested in the attached forms labeled 'Appendix A,' as an electronic copy (in Excel). Please do **not** provide a hardcopy of this response. If any of the requested data is already included in the Company's Ten-Year Site Plan, state so on the appropriate form.

### **LOAD & DEMAND FORECASTING**

3. [Investor-owned Utilities Only] Please provide, on a system-wide basis, the hourly system load for the period January 1, 2011, through December 31, 2011. Please provide this only as an electronic copy (in Excel). Please do **not** provide a hardcopy of this response.
4. 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.
5. Please describe the Company's current and planned number of digital and/or "smart" meter installations. As part of this response, please detail the number of installations and penetration level of installations by customer class. If possible, also identify how many digital and/or "smart" meters were installed as part of a DSM or Pilot program.

6. Please describe the meters that are currently considered standard service. Please include at a minimum, the manufacturer, model, the capabilities, if the meter communicates one-way or two-way, and the frequency of meter reads.
7. Please explain any meter replacement program, including the schedule and estimated cost. Please include at a minimum, the manufacturer, model, the capabilities, if the meter communicates one-way or two-way, and the frequency of meter reads.
8. What new tariffs or programs is the utility planning to offer to customers as smart meters are installed throughout the utility service territory?
9. Are smart meters currently being used for purposes other than billing, outage reporting, and remote connect/disconnect?
10. Please describe what impacts, if any, the Company identifies from installation of digital and/or “smart” metering installations on peak demand, net energy for load, enhanced identification of outages/faults, and voltage concerns. Please describe the impact these metering installations may have on DSM Programs, such as increasing participation in Time-of-Day rate programs.

11. Please provide the following data to support Schedule 4 of the Company's Ten-Year Site Plan: the 12 monthly peak demands for the years 2009, 2010, and 2011; 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. Please complete the table below and provide an electronic copy (in Excel).

Year	Month	Peak Demand (MW)	Date	Hour	Temperature (F)
2009	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
2010	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
2011	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				

12. Please provide the company's historic projections of total retail energy sales for the years 2007 through 2011. Complete the table below by drawing this information from the company's forecasts in Schedule 2.2 in the 2002 through 2011 Ten-Year Site Plans. Please complete the table below and provide an electronic copy (in Excel).

Total Retail Energy Sales Forecasts (GWh)					
Year	2007	2008	2009	2010	2011
2011 TYSP					
2010 TYSP					
2009 TYSP					
2008 TYSP					
2007 TYSP					
2006 TYSP					
2005 TYSP					
2004 TYSP					
2003 TYSP					
2002 TYSP					

**RENEWABLE GENERATION**

13. Please provide the estimated total capacity of all renewable resources the utility owns or purchases as of January 1, 2012. Include in this value the sum of all utility-owned, and purchased power contracts (firm and non-firm), and purchases from as-available energy producers (net-metering, self-generators, etc.). Please also include the estimated total capacity of all renewable resources (firm and non-firm) the utility is anticipated to own or purchase as of the end of the planning period in 2021. Please complete the table below and provide an electronic copy (in Excel).

Fuel Type	Renewable Resource Capacity (MW)	
	Existing (2012)	Planned (2021)
Solar		
Wind		
Biomass		
Municipal Solid Waste		
Waste Heat		
Landfill Gas		
Hydro		









17. Please provide a description of each renewable facility in the company's service territory that it does not currently have a PPA with, including self-service facilities. As part of this response, please include the name of the facility or owner, description of the unit's location, generator type, fuel type, commercial in-service date, seasonal net capacity (even if not considered firm capacity), and annual energy generation. Please exclude from this response net-metering installations or other small distributed generation systems. Please complete the table below and provide an electronic copy (in Excel).

Facility Name	County	Unit Type	Fuel Type	Commercial In-Service Date (MM/YYYY)	Net Capacity (MW)		Annual Generation (MWh)	Capacity Factor (%)
					Sum	Win		

18. Please refer to the list of planned utility-owned renewable resource additions and renewable PPAs with an in-service date for the renewable generator during the 2012 through 2021 period outlined above. Please discuss the current status of each project.
19. Please provide the number of customer-owned renewable resources within the Company's service territory. Please organize by resource type, and include total estimated installed capacity and annual output. Please exclude from this response any customer-owned renewable resources already accounted for under PPAs or other sources. If renewable energy types beyond those listed were utilized, please include an additional row and a description of the renewable fuel and generator. For non-electricity generating renewable energy systems, such as solar hot water heaters, please use kilowatt-equivalent and kilowatt-hour-equivalent units. Please complete the table below and provide an electronic copy (in Excel).

Customer Class Renewable Type	Residential			Commercial		
	# of Connections	Installed Capacity (kW)	Annual Output (MWh)	# of Connections	Installed Capacity (kW)	Annual Output (MWh)
Solar PV						
Solar Thermal (Water)						
Wind Turbine						

20. Please provide the annual output for the company’s renewable resources, including utility-owned, firm purchases through a PPA, non-firm purchases (through a PPA or as-available energy contract), or customer-owned generation, for the period 2011 through 2021. Please complete the table below and provide an electronic copy (in Excel).

Annual Output (GWh)	Actual	Projected									
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Utility											
Firm PPA											
Non-Firm											
Customer											
Total											

21. [Investor-owned Utilities Only] Provide, on a system-wide basis, the historical annual average as-available energy rate in the Company’s service territory for the period 2002 through 2011. Also, provide the forecasted annual average as-available energy rate in the Company’s service territory for the period 2012 through 2021. Please complete the table below and provide an electronic copy (in Excel).

	Year	As-Available Energy (\$/MWh)
Actual	2002	
	2003	
	2004	
	2005	
	2006	
	2007	
	2008	
	2009	
	2010	
	2011	
Projected	2012	
	2013	
	2014	
	2015	
	2016	
	2017	
	2018	
	2019	
	2020	
	2021	

22. Please discuss whether the Company uses any renewable fuels in its existing fossil units, or has plans to do so within the planning period. Also, please identify whether the Company has conducted or is planning to conduct any studies relating to co-firing renewable fuels (such as biomass or biogas) in existing or planned fossil units.
23. 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?
24. Please provide a list of all changes from January 1, 2011 to January 1, 2012 to existing or planned utility-owned renewable projects or purchased power agreements, including delays in in-service date, modifications of project size or contract terms, and expirations of purchased power agreements without renewal.

#### **TRADITIONAL GENERATION**

25. Please provide the cumulative present worth revenue requirement of the Company's Base Case for the 2012 Ten-Year Site Plan. If available, please provide the cumulative present worth revenue requirement for any sensitivities conducted of the Company's generation expansion plan.
26. Please illustrate what the Company's generation expansion plan would be as a result of sensitivities to the base case demand. Include impacts on unit in-service dates for any possible delays, cancellations, accelerated completion, or new additions as a result.

27. Please complete the following table detailing unit specific information on capacity and fuel consumption for 2011. For each unit on the Company's system, provide the following data based upon historic data from 2011; the unit's capacity, annual generation, capacity factor, estimated annual availability factor, unit average heat rate, and average energy cost for the unit's production. For dual fuel units, please report each fuel separately. Please complete the table below and provide an electronic copy (in Excel).

Plant	Unit #	Unit Type	Fuel Type	Net Capacity (MW)		Annual Generation (MWh)	Capacity Factor (%)	Avail. Factor (%)	In-Service Date	Heat Rate (BTU/kWh)	Unit Fuel Cost (\$/kWh)
				Sum	Win						

28. For each of the planned generating units contained in the Company's Ten-Year Site Plan, please discuss the "drop 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.
29. Please complete the following table detailing planned unit additions, including information on capacity and in-service dates. Please include only planned conventional units with an in-service date past January 1, 2012, and including nuclear units, nuclear unit uprates, combustion turbines, and combined-cycle units. For each planned unit, provide the date of the Commission's Determination of Need and Power Plant Siting Act certification (if applicable), and the anticipated in-service date. Please complete the table below and provide an electronic copy (in Excel).

**Planned Unit Additions for 2012 through 2021**

Generating Unit Name	Summer Capacity (MW)	Certification Dates (if Applicable)		In-Service Date
		Need Approved (Commission)	PPSA Certified	
<b>Nuclear Unit Additions / Uprates</b>				
<b>Combustion Turbine Unit Additions</b>				
<b>Combined Cycle Unit Additions</b>				
<b>Steam Turbine Unit Additions</b>				

30. For each existing and planned unit on the Company's system, provide the following data based upon historic data from 2011 and forecasted capacity factor values for the period 2012 through 2021. Please complete the tables below and provide an electronic copy (in Excel).

**Projected Unit Information – Capacity Factor (%)**

Plant	Unit #	Unit Type	Fuel Type	Actual	Projected									
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021

31. Please complete the table below, providing a list of all of the Company's steam units or combustion turbines that are potential candidates for repowering. As part of this response, please provide the unit's fuel and unit type, summer capacity rating, in-service date, and what potential conversion/repowering would be most applicable. Also include a description of any major obstacles that could affect repowering efforts at any of these sites, such as unit age, land availability, or other requirements. Please complete the table below and provide an electronic copy (in Excel).

Plant Name	Unit Type	Fuel Type	Summer Capacity (MW)	In-Service Date	Potential Conversion



32. [Investor-owned Utilities Only] Please provide the system average heat rate for the generation fleet for each year for the period 2002 through 2011. Please complete the table below and provide an electronic copy (in Excel).

Year		System Average Heat Rate (BTU/kWh)
Actual	2002	
	2003	
	2004	
	2005	
	2006	
	2007	
	2008	
	2009	
	2010	
	2011	

33. Please provide the average cost of a residential customer bill, based upon a monthly usage of 1200 kilowatt-hours, for the period 2002 through 2011. Please complete the table below and provide an electronic copy (in Excel).

Year		Residential Bill (\$/1200-kWh)
Actual	2002	
	2003	
	2004	
	2005	
	2006	
	2007	
	2008	
	2009	
	2010	
	2011	

34. Please complete the following table detailing the Company's planned changes to summer capacity. In addition to providing the net change for the current year's Ten-Year Site Plan, please also provide the net change based on last year's Ten-Year Site Plan. Please complete the table below and provide an electronic copy (in Excel).

Fuel Type	Unit Type	Summer Capacity Changes (MW)	
		2011 TYSP	2012 TYSP
		(2011-2020)	(2012-2021)
Natural Gas	Combined Cycle		
	Combustion Turbine		
	Steam		
Coal	Steam		
	Integrated Coal Gasification		
Oil	Combustion Turbine & Diesel		
	Steam		
Nuclear	Steam		
Firm Purchases	Independent Power Producer (IPP)		
	Interchange		
	Non-Utility Generator (NUG)		
	Renewables		
<b>NET CAPACITY ADDITIONS</b>			

35. Please complete the table below describing the status of the company's generating units during each month's peak demand, for the years 2009 through 2011. As part of this response, include the actual values at monthly peak for installed capacity, scheduled maintenance, forced outages, available capacity, and net firm peak demand. Please complete the table below and provide an electronic copy (in Excel).

Capacity / Demand at Time of Monthly Peak (MW)						
Year	Month	Installed Capacity	Scheduled Maintenance	Forced Outages	Available Capacity	Peak Demand
2009	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
2010	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
2011	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					







43. Please identify, for each unit impacted by one or more of the EPA's new or proposed rules, what the estimated cost is for implementing each Rule over the course of the planning period. As part of this response, please provide the unit's name, type, fuel type, and net summer generating capacity. Please complete the table below and provide an electronic copy (in Excel).

Unit	Unit Type	Fuel Type	Net Sum Capacity (MW)	Estimated Cost of New or Proposed EPA Rules Impacts (\$ million)					
				MATS	CSAPR	CWIS	CCR Non-Hazardous Waste	CCR Special Waste	Total Cost

44. Please identify, for each unit impacted by one or more of the EPA's new or proposed rules, when and for what duration units would be required to be offline due to retirements, curtailments, installation of additional emissions controls, or additional maintenance related to emissions controls. Please also include important dates relating to each rule. Please complete the table below and provide an electronic copy (in Excel).

Unit	Unit Type	Fuel Type	Net Sum Capacity (MW)	Estimated Timing of New or Proposed EPA Rules Impacts (Month/Year – Duration)				
				MATS	CSAPR	CWIS	CCR Non-Hazardous Waste	CCR Special Waste

45. Please provide a preliminary estimate of the cost required for your company to comply with each EPA Rule over the planning period (2012 – 2021). As part of this response, please detail the amount of capital costs, operations & maintenance (O&M costs, and fuel costs). Please also provide a description of the majority share of each of these costs (such as replacement generation, retrofitting of existing facilities, fuel switching, etc.).

46. From a system-wide perspective, provide a preliminary estimate of the cost associated with each EPA Rule over the planning period, 2012 through 2021. As part of this response, please include the estimated additional capital cost expenditures, O&M costs, and fuel costs associated with each rule. Please complete the table below and provide an electronic copy (in Excel).

<b>EPA Rule</b>	<b>Capital Costs (\$ Millions)</b>	<b>O&amp;M Costs (\$ Millions)</b>	<b>Fuel Costs (\$ Millions)</b>	<b>Total Costs (\$ Millions)</b>
Mercury and Air Toxics Standards (MATS) Rule				
Cross-State Air Pollution Rule (CSAPR)				
Cooling Water Intake Structures Rule (CWIS)				
Coal Combustion Residuals Rule (CCR)				

47. Please discuss any expected reliability impacts resulting from each of the EPA Rules listed below. As part of this discussion, include the impact of transmission constraints and units not modified by the rule, that may be required to maintain reliability if unit retirements, curtailments, additional emissions control upgrades, or longer outage times are impacts of the EPA Rules.
- Mercury and Air Toxics Standards (MATS) Rule
  - Cross-State Air Pollution Rule (CSAPR)
  - Cooling Water Intake Structures Rule (CWIS)
  - Coal Combustion Residuals Rule (CCR)
48. Please describe the process your company employs to develop a compliance strategy for proposed Environmental Protection Agency (EPA) rules.
49. Please describe the process your company employs to develop a compliance strategy when EPA finalizes a rule.
50. Please explain how your company determines its optimum environmental compliance strategy, given that EPA's rules are in various stages of being revised or finalized.



51. Please describe and provide the capital costs for any significant environmental compliance investments made by your company in response to environmental regulations within the past five years. How will these investments affect your company's compliance with recently finalized or proposed EPA regulations?
52. Please provide a copy of any comments your company has filed with EPA during EPA's rule development proceedings for the following:
  - Mercury and Air Toxics Standards
  - Cross-State Air Pollution
  - Cooling Water Intake Structures
  - Coal Combustion Residuals
  - Greenhouse Gas Emissions
53. On December 30, 2011, the U.S. Court of Appeals issued an order to stay the EPA's implementation of the final Cross-State Rule. Has the Court's order to stay implementation of the Cross-State Rule impacted your compliance strategies? If so, how?
54. Does your company intend to participate in the allowance trading market associated with the rule? If so, do you expect to be a net seller or net buyer of allowances?
55. Please discuss your company's current coal residue disposal practices for each coal generating facility.
56. Please discuss your company's efforts to facilitate the recycling of coal waste into beneficial products. What percentage of your company's coal waste is used for beneficial purposes?

57. EPA has proposed two regulatory schemes to regulate coal combustion residuals. Proposal one would regulate coal ash as “special waste” under Subtitle C of the Resource Conservation and Recovery Act; while under the second proposal, coal ash would be considered “non-hazardous waste” under Subtitle D of the Act. Please discuss any modifications that would be required at each of your company’s coal facilities to comply with each of these two proposed regulatory schemes. Provide any available compliance strategies and expected costs for each facility and the timing of implementation of these compliance strategies. Provide the generating capacity for each unit that will require modifications.
58. Please discuss how your company takes the potential for greenhouse gas regulations into account in its resource planning process and environmental compliance planning process.

**FUEL SUPPLY & RELIABILITY**

59. Please provide, on a system-wide basis, the historic annual fuel usage (in GWh) and historic average fuel price (in nominal \$/MMBTU) for each fuel type utilized by the company in the period 2002 through 2011. Also, provide the forecasted annual fuel usage (in GWh) and forecasted annual average fuel price (in nominal \$/MMBTU) for each fuel type forecasted to be used by the Company in the period 2012 through 2021. Please complete the table below and provide an electronic copy (in Excel).

Year	Uranium		Coal		Natural Gas		Residual Oil		Distillate Oil	
	GWh	\$/MMBTU	GWh	\$/MMBTU	GWh	\$/MMBTU	GWh	\$/MMBTU	GWh	\$/MMBTU
Actual	2002									
	2003									
	2004									
	2005									
	2006									
	2007									
	2008									
	2009									
	2010									
	2011									
	Projected	2012								
2013										
2014										
2015										
2016										
2017										
2018										
2019										
2020										
2021										

60. Please discuss how the Company compares its fuel price forecasts to recognized, authoritative independent forecasts.
61. For each fuel type (coal, natural gas, nuclear fuel, etc.), please discuss in detail the expected industry trends and factors for the period 2012 through 2021. As part of this discussion, please include how these factors and trends will affect the Company.
62. What steps has the Company taken to ensure gas supply availability and transport over the 2012 through 2021 planning period?

63. Regarding existing and planned natural gas pipeline expansion projects, including new pipelines, affecting the Company for the period 2012 through 2021, please identify each project and discuss it in detail.
64. 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 2012 through 2021.
65. Regarding unconventional natural gas production (shale gas, tight sands, etc.), please discuss in detail the expected industry factors and trends for the period 2012 through 2021. As part of this discussion, please include how these factors and trends will affect the Company.
66. Regarding liquefied natural gas (LNG) imports to the United States, please discuss in detail the expected industry factors and trends for the period 2012 through 2021. As part of this discussion, please include how these factors and trends will affect the Company.
67. Regarding the potential for liquefied natural gas (LNG) exports from the United States, please discuss in detail the expected industry factors and trends for the period 2012 through 2021. As part of this discussion, please include how these factors and trends will affect the Company.
68. Regarding the potential for liquefied natural gas (LNG) exports from the United States, please discuss the potential impacts for natural gas prices within the US and how this would affect the Company.
69. Please discuss in detail the Company's plans for the use of firm natural gas storage for the period 2012 through 2021.
70. Please discuss the actions taken by the Company to promote competition within and among coal transportation modes.

71. Regarding coal transportation by rail, please discuss the expected industry trends and factors for the period 2012 through 2021. 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.
72. Regarding coal transportation by water, please discuss the expected industry trends and factors for the period 2012 through 2021. 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.
73. 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 2012 through 2021.
74. For the period 2012 through 2021, 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 short-term and long-term storage, dry cask storage, and litigation involving spent nuclear fuel, and the future of the Nuclear Waste Disposal Act.
75. Regarding uranium production, please discuss the expected industry trends and factors for the period 2012 through 2021. As part of this discussion, please include how these factors and trends will affect the Company.
76. Regarding the transportation of heavy fuel oil and distillate fuel oil, please discuss the expected industry trends and factors for the period 2012 through 2021. As part of this discussion, please include how these factors and trends will affect the Company.

**TRANSMISSION**

77. Please provide a list of all proposed transmission lines in the planning period that require certification under the Transmission Line Siting Act. Please also include those that have been approved, but are not yet in-service. Please complete the table below and provide an electronic copy (in Excel).

Transmission Line	Line Length	Nominal Voltage	Date Need	Date	In-Service Date
	(Miles)	(kV)	Approved	TLSA Certified	