



Jessica Cano
Principal Attorney
Florida Power & Light Company
700 Universe Boulevard
Juno Beach, FL 33408-0420
(561) 304-5226
(561) 691-7135 (Facsimile)

July 10, 2013

VIA HAND DELIVERY

Ms. Ann Cole
Division of the Commission Clerk and
Administrative Services
Florida Public Service Commission
Betty Easley Conference Center
2540 Shumard Oak Boulevard, Room 110
Tallahassee, FL 32399-0850

RECEIVED - FPSC
13 JUL 10 PM 2:56
COMMISSION
CLERK

RE: Staff's Second Data Request; Florida Power & Light Company's 2013 Ten Year Power Plant Site Plan

Dear Ms. Cole:

Please find enclosed one hard copy and one compact disc, per Staff's request, containing Florida Power & Light Company's responses to Staff's Second Data Request, Question Nos. 1-8.

If you have any questions or concerns please feel free to call me.

Sincerely,

Jessica A. Cano
Fla. Bar No. 0037372

- COM _____
- AFD _____
- APA _____
- ECO _____
- ENG 1 CD _____
- GCL _____
- IDM _____
- FEL _____
- CLK _____

Enclosures
cc: Charles Murphy

Q.

Please complete the following table regarding the company's natural gas usage. Include the company's annual natural gas consumption, its average daily gas usage, and its projected peak daily gas usage.

Year	Annual Gas Usage	Average Daily Gas Usage	Projected Peak Gas Usage
	(MMcf)	(MMcf/d)	(MMcf/d)
2013			
2014			
2015			
2016			
2017			
2018			
2019			
2020			
2021			
2022			

A.

See Attachment No. 1.

Note that these gas usage projections are based on the resource plan, fuel forecast, and load forecast used in the 2013 Ten-Year Site Plan.

The table in Attachment No. 1 shows the requested information based on the 2013 Ten-Year Site Plan Case. These projections are based on FPL's long-term load forecast as described and shown in FPL's 2013 Site Plan Report. Please note that, for purposes of planning for incremental gas transportation capacity, FPL uses a higher, risk-adjusted, load projection. This risk-adjusted projection is designed to reflect the higher levels of net energy for load and summer peak demands that could occur in the future given the uncertainties inherent in the forecasting process. Use of this risk-adjusted load projection provides for a reliability margin for gas transportation similar to the use of a reserve margin for generation capacity planning.

Florida Power & Light Company
2013 Ten-Year Site Plan - Staff's Data Request No. 2
Request No. 1
Attachment No. 1
Tab 1 of 1

The table below shows the requested information based on the 2013 Ten-Year Site Plan Case. These projections are based on FPL's long-term load forecast as described and shown in FPL's 2013 Site Plan Report. Please note that, for purposes of planning for incremental gas transportation capacity, FPL uses a higher, risk-adjusted, load projection. This risk-adjusted projection is designed to reflect the higher levels of net energy for load and summer peak demands that could occur in the future given the uncertainties inherent in the forecasting process. Use of this risk-adjusted load projection provides for a reliability margin for gas transportation similar to the use of a reserve margin for generation capacity planning.

Year	Annual Gas Usage	Average Daily Gas Usage	Projected Peak Gas Usage
	(MMcf)	(MMcf/d)	(MMcf/d)
2013	527,468.1	1,445.1	1,902.1
2014	551,467.2	1,510.9	1,974.2
2015	553,797.0	1,517.3	1,969.0
2016	572,313.6	1,563.7	1,927.6
2017	584,899.1	1,602.5	2,187.2
2018	599,658.2	1,642.9	2,231.4
2019	587,344.5	1,609.2	2,244.4
2020	596,790.3	1,630.6	2,261.2
2021	601,104.8	1,646.9	2,268.0
2022	571,111.7	1,564.7	2,143.1

These gas usage projections are based on the resource plan, fuel forecast, and load forecast used in the 2013 Ten-Year Site Plan.

Q.

Please complete the following table regarding the company's access to natural gas pipelines. Please include the total projected capacity of pipelines able to supply the Company, the amount of firm capacity the Company has contracted for.

Year	Total Pipeline Capacity	Company's Contracted Capacity
	(MMcf/d)	(MMcf/d)
2013		
2014		
2015		
2016		
2017		
2018		
2019		
2020		
2021		
2022		

A.

Please see Attachment No. 1.

Florida Power & Light Company
2013 Ten-Year Site Plan - Staff's Data Request No. 2
Request No. 2
Attachment No. 1
Tab 1 of 1

Year	Total Pipeline Capacity	Company's Contracted Capacity Jan-Mar, Nov, Dec	Company's Contracted Capacity Apr, Oct	Company's Contracted Capacity May-Sep	Company's Requested Capacity In Gas Transportation RFP
	(MMcf/d)	(MMcf/d)	(MMcf/d)	(MMcf/d)	(MMcf/d)
2013	4,300,000	1,845,000	1,934,000	1,999,000	0
2014	4,300,000	1,845,000	1,934,000	2,019,000	0
2015	4,300,000	1,845,000	1,934,000	2,019,000	0
2016	4,300,000	1,845,000	1,934,000	1,969,000	0
2017	4,300,000	1,845,000	1,934,000	1,969,000	400,000
2018	4,300,000	1,845,000	1,934,000	1,969,000	400,000
2019	4,300,000	1,845,000	1,934,000	1,969,000	400,000
2020	4,300,000	1,845,000	1,934,000	1,969,000	600,000
2021	4,300,000	1,845,000	1,934,000	1,969,000	600,000
2022	4,300,000	1,845,000	1,934,000	1,969,000	600,000

- Notes:
- 1) The Florida Gas Transmission Company LLC pipeline (3,000,000 MMcf/d) and GulfStream Natural Gas System L.L.C. pipeline (1,300,000 MMcf/d) are the only two pipelines able to supply natural gas to FPL.
 - 2) FPL has varying amounts of firm capacity on the pipelines, which is dependent upon the month/season.
 - 3) Pipeline capacity volumes requested in FPL's recent Gas Transportation RFP have been included for reference.
 - 4) The Company's Requested Capacity in Gas Transportation RFP is intended to address the risk-adjusted load forecast discussed in FPL's response to Staff's Second Data Request No. 1.

A.

Please see the provided tables 3A through 3E contained in Attachment No. 1. Participation shown is end-of-year values except for 2012 Residential On Call which is through August. Capacity values are at the generator.

Florida Power & Light Company
 2013 Ten-Year Site Plan - Staff's Data Request No. 2
 Request No. 3
 Attachment No. 1
 Tab 1 of 1

Participation shown is end-of-year values except for 2012 Residential On Call which is through August. Capacity values are at the generator.

TABLE 3A - FPL Total Demand Response

Year	Average Number of Participants	Available Capacity (MW)		New Participants	Added Capacity (MW)		Participants Lost	Lost Capacity (MW)	
		Sum	Win		Sum	Win		Sum	Win
2003	730,915	1,468	1,255	11,958	25	18	2,560	6	6
2004	733,835	1,482	1,347	8,561	24	15	3,235	9	4
2005	740,576	1,503	1,358	11,154	28	21	3,013	5	4
2006	762,183	1,563	1,372	28,997	72	60	2,260	9	7
2007	782,207	1,667	1,423	30,547	105	92	3,696	7	5
2008	793,778	1,726	1,504	28,963	92	79	7,835	23	17
2009	806,311	1,793	1,557	21,134	77	67	3,772	8	6
2010	813,077	1,805	1,616	14,676	32	24	7,117	20	15
2011	820,984	1,821	1,625	11,260	27	20	7,172	17	16
2012	828,359	1,854	1,578	14,835	40	33	6,529	19	12

Florida Power & Light Company
 2013 Ten-Year Site Plan - Staff's Data Request No. 2
 Request No. 3
 Attachment No. 1
 Tab 1 of 1

TABLE 3B - FPL Residential On Call Program									
Year	Average Number of Participants	Available Capacity (MW)		New Participants	Added Capacity (MW)		Participants Lost	Lost Capacity (MW)	
		Sum	Win		Sum	Win		Sum	Win
2003	713,432	892	802	10,601	13	12	2,380	3	3
2004	715,578	894	813	7,525	9	9	2,973	4	3
2005	721,728	902	816	10,361	13	12	2,811	4	3
2006	742,395	928	823	27,964	35	32	2,167	3	2
2007	761,569	952	846	29,511	37	34	3,510	4	4
2008	772,806	966	868	28,247	35	32	7,453	9	8
2009	784,965	981	881	20,603	26	23	3,615	5	4
2010	791,791	990	895	13,366	17	15	5,747	7	7
2011	799,812	1,000	903	10,712	13	12	6,510	8	7
2012	806,497	1,027	856	13,910	18	15	6,294	8	7

TABLE 3C - FPL Business On Call Program									
Year	Average Number of Participants	Available Capacity (MW)		New Participants	Added Capacity (MW)		Participants Lost	Lost Capacity (MW)	
		Sum	Win		Sum	Win		Sum	Win
2003	16,963	43	0	1,353	6	0	174	0	0
2004	17,730	46	0	1,027	8	0	260	5	0
2005	18,315	51	0	786	6	0	201	1	0
2006	19,206	58	0	975	9	0	84	2	0
2007	19,911	80	0	888	10	0	183	1	0
2008	20,157	84	0	617	9	0	371	6	0
2009	20,416	91	0	412	8	0	153	2	0
2010	20,345	93	0	1,282	6	0	1,353	4	0
2011	20,233	99	0	540	6	0	652	0	0
2012	20,908	98	0	899	5	0	224	6	0

Florida Power & Light Company
 2013 Ten-Year Site Plan - Staff's Data Request No. 2
 Request No. 3
 Attachment No. 1
 Tab 1 of 1

TABLE 3D - FPL Commercial/Industrial Load Control Program (CILC)

Year	Average Number of Participants	Available Capacity (MW)		New Participants	Added Capacity (MW)		Participants Lost	Lost Capacity (MW)	
		Sum	Win		Sum	Win		Sum	Win
2003	500	516	441	0	0	0	6	3	3
2004	498	517	516	0	0	0	2	1	1
2005	497	516	517	0	0	0	1	0	0
2006	488	516	516	0	0	0	9	5	5
2007	485	515	516	0	0	0	3	1	1
2008	476	509	515	0	0	0	9	7	7
2009	473	510	509	0	0	0	3	2	2
2010	457	503	510	0	0	0	16	8	8
2011	452	500	503	0	0	0	5	5	5
2012	445	497	500	0	0	0	7	3	3

Florida Power & Light Company
 2013 Ten-Year Site Plan - Staff's Data Request No. 2
 Request No. 3
 Attachment No. 1
 Tab 1 of 1

TABLE 3E - FPL Commercial/Industrial Demand Reduction Rider (CDR)

Year	Average Number of Participants	Available Capacity (MW)		New Participants	Added Capacity (MW)		Participants Lost	Lost Capacity (MW)	
		Sum	Win		Sum	Win		Sum	Win
2003	20	18	12	4	6	6	0	0	0
2004	29	25	18	9	7	7	0	0	0
2005	36	34	25	7	9	9	0	0	0
2006	94	61	34	58	28	28	0	0	0
2007	242	120	61	148	59	59	0	0	0
2008	339	167	120	99	47	47	2	2	2
2009	457	211	167	119	43	43	1	1	1
2010	484	219	211	28	9	9	1	1	1
2011	487	222	219	8	8	8	5	4	4
2012	509	232	222	26	18	18	4	2	2

Participation shown is end-of-year values except for 2012 Residential On Call which is through August. Capacity values are at the generator.

Q.

Has the Company collected any information from participants leaving demand response programs regarding the reason they chose to leave? If so, what percentage identify the number of service interruptions as the primary reason?

A.

Yes. FPL asks departing customers their reason for leaving the program. Their responses are grouped into categories such as "inconvenience", "credit not enough", etc. For the period of 2003-2012, about two-thirds of customers leaving the program cited "inconvenience" as the reason. Please note that "inconvenience" may encompass more than just interruptions.

Q.

For the Company as a whole, and for each source of demand response, including interruptible/curtailable load and load management programs, please provide the following information on an annual basis for each season: the number of demand response events, the average capacity called upon during the events, and the maximum capacity called upon in any one event.

All Sources of Demand Response Combined						
Year	Summer			Winter		
	Number of Events	Average Event Size	Maximum Event Size	Number of Events	Average Event Size	Maximum Event Size
	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
2003						
2004						
2005						
2006						
2007						
2008						
2009						
2010						
2011						
2012						

(Demand Response Source)						
Year	Summer			Winter		
	Number of Events	Average Event Size	Maximum Event Size	Number of Events	Average Event Size	Maximum Event Size
	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
2003						
2004						
2005						
2006						
2007						
2008						
2009						
2010						
2011						
2012						

A.

Please see the provided tables 5A through 5C in Attachment No. 1. Please note that Megawatt (MW) reduction values for Residential On Call and Business On Call events are tracked at the combined program level as shown in Table 5B. Similarly, CILC and CDR are dispatched together and events therefore have been combined in Table 5C. Capacity values are at the generator.

Florida Power & Light Company
 2013 Ten-Year Site Plan - Staff's Data Request No. 2
 Request No. 5
 Attachment No. 1
 Tab 1 of 1

Please note that Megawatt (MW) reduction values for Residential On Call and Business On Call events are tracked at the combined program level as shown in Table 5B.

Similarly, CILC and CDR are dispatched together and events therefore have been combined in Table 5C. Capacity values are at the generator.

TABLE 5A - FPL Total Demand Response						
Year	Summer			Winter		
	Number of Events	Average Event Size	Maximum Event Size	Number of Events	Average Event Size	Maximum Event Size
		(MW)	(MW)		(MW)	(MW)
2003	7	177	269	5	228	453
2004	6	208	465	4	154	169
2005	19	158	428	4	139	149
2006	6	111	131	5	113	130
2007	7	111	134	6	122	242
2008	7	109	145	5	456	1,859
2009	1	159	159	2	159	159
2010	9	126	180	3	275	421
2011	24	93	210	3	297	626
2012	16	112	228	5	126	249

Florida Power & Light Company
2013 Ten-Year Site Plan - Staff's Data Request No. 2
Request No. 5
Attachment No. 1
Tab 1 of 1

TABLE 5B - FPL Residential On Call Program & FPL Business On Call Program

Year	Summer			Winter		
	Number of Events	Average Event Size	Maximum Event Size	Number of Events	Average Event Size	Maximum Event Size
		(MW)	(MW)		(MW)	(MW)
2003	7	177	269	4	172	243
2004	4	136	170	4	154	169
2005	19	142	428	4	139	149
2006	6	111	131	5	113	130
2007	7	111	134	6	122	242
2008	7	109	145	5	334	1,249
2009	1	159	159	2	159	159
2010	9	126	180	2	6	7
2011	24	93	210	2	132	132
2012	16	112	228	5	126	249

Florida Power & Light Company
 2013 Ten-Year Site Plan - Staff's Data Request No. 2
 Request No. 5
 Attachment No. 1
 Tab 1 of 1

TABLE 5C - FPL Commercial/Industrial Load Control Program (CILC) & Commercial/Industrial Demand Reduction (CDR)						
Year	Summer			Winter		
	Number of Events	Average Event Size	Maximum Event Size	Number of Events	Average Event Size	Maximum Event Size
		(MW)	(MW)		(MW)	(MW)
2003	0	0	0	1	453	453
2004	2	353	465	0	0	0
2005	1	300	300	0	0	0
2006	0	0	0	0	0	0
2007	0	0	0	0	0	0
2008	0	0	0	1	610	610
2009	0	0	0	0	0	0
2010	0	0	0	2	406	421
2011	0	0	0	1	626	626
2012	0	0	0	0	0	0

Q.

For the Company as a whole, and for each source of demand response, including interruptible/curtailable load and load management programs, please provide the following information on an annual basis for each seasonal peak: whether demand response was called upon during the seasonal peak demand, the number of participants activated, and the amount of capacity activated.

All Sources of Demand Response Combined							
Year	Average Number of Participants	Summer Peak			Winter Peak		
		Activated During Peak?	# of Participants Activated	Capacity Activated	Activated During Peak?	# of Participants Activated	Capacity Activated
		(Y/N)	(MW)	(MW)	(Y/N)	(MW)	(MW)
2003							
2004							
2005							
2006							
2007							
2008							
2009							
2010							
2011							
2012							

(Demand Response Source)							
Year	Average Number of Participants	Summer Peak			Winter Peak		
		Activated During Peak?	# of Participants Activated	Capacity Activated	Activated During Peak?	# of Participants Activated	Capacity Activated
		(Y/N)	(MW)	(MW)	(Y/N)	(MW)	(MW)
2003							
2004							
2005							
2006							
2007							
2008							
2009							
2010							
2011							
2012							

A.

Please see the provided tables 6A through 6D contained in Attachment No. 1. Participation shown is end-of-year values except for 2012 Residential On Call which is through August. CILC and CDR are dispatched together; therefore, Capacity Activated values are shown as combined. Capacity values are at the generator.

Florida Power & Light Company
 2013 Ten-Year Site Plan - Staff's Data Request No. 2
 Request No. 6
 Attachment No. 1
 Tab 1 of 1

Participation shown is end-of-year values except for 2012 Residential On Call which is through August.
 CILC and CDR are dispatched together; therefore, Capacity Activated values are shown as combined. Capacity values are at the generator.

TABLE 6A - FPL Total Demand Response							
Year	Average Number of Participants	Summer Peak			Winter Peak		
		Activated During Peak?	Number of Participants Activated	Capacity Activated	Activated During Peak?	Number of Participants Activated	Capacity Activated
		(Y/N)		(MW)	(Y/N)		(MW)
2003	730,915	N	0	0	N	0	0
2004	733,835	N	0	0	N	0	0
2005	740,576	N	0	0	N	0	0
2006	762,183	N	0	0	N	0	0
2007	782,207	N	0	0	N	0	0
2008	793,778	N	0	0	N	0	0
2009	806,311	N	0	0	N	0	0
2010	813,077	N	0	0	Y	930	721
2011	820,984	N	0	0	Y	941	722
2012	828,359	N	0	0	N	0	0

Florida Power & Light Company
2013 Ten-Year Site Plan - Staff's Data Request No. 2
Request No. 6
Attachment No. 1
Tab 1 of 1

TABLE 6B - FPL Residential On Call Program

Year	Average Number of Participants	Summer Peak			Winter Peak		
		Activated During Peak?	Number of Participants Activated	Capacity Activated	Activated During Peak?	Number of Participants Activated	Capacity Activated
		(Y/N)		(MW)	(Y/N)		(MW)
2003	713,432	N	0	0	N	0	0
2004	715,578	N	0	0	N	0	0
2005	721,728	N	0	0	N	0	0
2006	742,395	N	0	0	N	0	0
2007	761,569	N	0	0	N	0	0
2008	772,806	N	0	0	N	0	0
2009	784,965	N	0	0	N	0	0
2010	791,791	N	0	0	N	0	0
2011	799,812	N	0	0	N	0	0
2012	806,497	N	0	0	N	0	0

Florida Power & Light Company
2013 Ten-Year Site Plan - Staff's Data Request No. 2
Request No. 6
Attachment No. 1
Tab 1 of 1

TABLE 6C - FPL Business On Call Program

Year	Average Number of Participants	Summer Peak			Winter Peak		
		Activated During Peak?	Number of Participants Activated	Capacity Activated	Activated During Peak?	Number of Participants Activated	Capacity Activated
		(Y/N)		(MW)	(Y/N)		(MW)
2003	16,963	N	0	0	N	0	0
2004	17,730	N	0	0	N	0	0
2005	18,315	N	0	0	N	0	0
2006	19,206	N	0	0	N	0	0
2007	19,911	N	0	0	N	0	0
2008	20,157	N	0	0	N	0	0
2009	20,416	N	0	0	N	0	0
2010	20,345	N	0	0	N	0	0
2011	20,233	N	0	0	N	0	0
2012	20,908	N	0	0	N	0	0

Florida Power & Light Company
 2013 Ten-Year Site Plan - Staff's Data Request No. 2
 Request No. 6
 Attachment No. 1
 Tab 1 of 1

TABLE 6D - FPL Commercial/Industrial Load Control Program (CILC) & Commercial/Industrial Demand Reduction (CDR)

Year	Average Number of Participants	Summer Peak			Winter Peak		
		Activated During Peak?	Number of Participants Activated	Capacity Activated	Activated During Peak?	Number of Participants Activated	Capacity Activated
		(Y/N)		(MW)	(Y/N)		(MW)
2003	520	N	0	0	N	0	0
2004	527	N	0	0	N	0	0
2005	533	N	0	0	N	0	0
2006	582	N	0	0	N	0	0
2007	727	N	0	0	N	0	0
2008	815	N	0	0	N	0	0
2009	930	N	0	0	N	0	0
2010	941	N	0	0	Y	930	721
2011	939	N	0	0	Y	941	722
2012	954	N	0	0	N	0	0

Q.

Please provide the estimated demand and energy savings associated with mandated energy efficiency standards for appliances, lighting, and other equipment, and for the Florida Energy Efficiency and Conservation Act. Please complete the table for each, including incremental and cumulative savings beginning in 2013 for summer demand, winter demand, and annual energy.

Year	Mandated Energy Efficiency					
	Incremental Savings					Cu mu lati ve Sa vin gs
	Summer Demand	Winter Demand	Annual Energy	Summer Demand	Winter Demand	A n n u a l E n e r g y
	MW	MW	GWh	MW	MW	G W h
2013						
2014						
2015						
2016						
2017						
2018						
2019						
2020						
2021						
2022						

Year	FEECA					
	Incremental Savings			C u m u l a t i v e S a v i n g s		
	Summer Demand	Winter Demand	Annual Energy	Summer Demand	Winter Demand	A n n u a l E n e r g y
	MW	MW	GWh	MW	MW	G W h
2013						
2014						
2015						
2016						
2017						
2018						
2019						
2020						
2021						
2022						

A.
 See Attachment Nos. 1 and 2.

Florida Power & Light Company
2013 Ten-Year Site Plan - Staff's Data Request No. 2
Request No. 7
Attachment No. 1
Tab 1 of 1

	TABLE 7A - FPL Mandated Energy Efficiency Projections					
	Incremental Savings			Cumulative Savings		
	Summer Demand	Winter Demand	Annual Energy	Summer Demand	Winter Demand	Annual Energy
	MW	MW	GWh	MW	MW	GWh
2013	180	98	760	1,253	623	4,727
2014	361	198	1,535	1,434	723	5,503
2015	583	332	2,476	1,655	857	6,443
2016	807	470	3,450	1,880	994	7,417
2017	1,024	604	4,430	2,097	1,128	8,398
2018	1,227	723	5,259	2,300	1,248	9,227
2019	1,427	840	6,080	2,499	1,364	10,048
2020	1,603	950	6,825	2,675	1,475	10,792
2021	1,719	1,042	7,384	2,792	1,567	11,351
2022	1,826	1,126	7,883	2,898	1,650	11,850

Incremental Savings are incremental from 2012

Cumulative savings are cumulative since 2005

Florida Power & Light Company
2013 Ten-Year Site Plan - Staff's Data Request No. 2
Request No. 7
Attachment No. 2
Tab 1 of 1

TABLE 7B - FPL FEECA Projections						
Year	Incremental Savings			Cumulative Savings		
	Summer Demand	Winter Demand	Annual Energy	Summer Demand	Winter Demand	Annual Energy
	MW	MW	GWh	MW	MW	GWh
2013	124	73	150	124	73	150
2014	131	79	156	255	152	306
2015	131	79	156	386	231	462
2016	131	79	156	517	310	618
2017	131	79	156	648	390	775
2018	131	79	156	779	469	931
2019	131	79	156	910	548	1,087
2020	131	79	156	1,042	627	1,243
2021	131	79	156	1,173	706	1,399
2022	131	79	156	1,304	785	1,555

Q.

Please provide the Loss-of-Load Probability for each year during the planning period based on the Company's Ten-Year Site Plan.

Year	Loss-of-Load Probability
	Days/Year
2013	
2014	
2015	
2016	
2017	
2018	
2019	
2020	
2021	
2022	

A.

Please see Attachment No. 1 to FPL's response to Staff's First Data Request No. 2 for the 2013 Ten-Year Site Plan. The data is located on the tab titled LOLP.