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October 11, 2018

**-VIA ELECTRONIC FILING-**

Carlotta Stauffer, Director  
Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

**Re: Docket No. 20180000-OT: Staff's Supplemental Data Request #5 (No. 1);  
Florida Power & Light Company's 2018 Ten Year Power Plant Site Plan**

Dear Ms. Stauffer:

Please find enclosed for electronic filing a copy of Florida Power & Light Company's response to Staff's Supplemental Data Request #5, Question No. 1.

If there are any questions regarding this transmittal, please contact me at (561)304-5170.

Sincerely,

/s/ Kevin I.C. Donaldson  
Kevin I.C. Donaldson  
Fla. Bar No. 0833401

Enclosure

**QUESTION:**

In reviewing the History of Summer and Winter Peak Demands (Base Case), staff noted some discrepant reports among the TYSPs filed in different years.

Examples are:

Reported 2002 Summer Peak Net Firm Demand	17,960 MW (2010 TYSP, Schedule 3.1);
Reported 2002 Summer Peak Net Firm Demand	17,866 MW (2011 TYSP, Schedule 3.1);
Reported 2002 Summer Peak Net Firm Demand	17,851 MW (2012 TYSP, Schedule 3.1);
Reported 2005 Summer Peak Net Firm Demand	20,971 MW (2010 TYSP, Schedule 3.1);
Reported 2005 Summer Peak Net Firm Demand	20,871 MW (2011 TYSP, Schedule 3.1);
Reported 2005 Summer Peak Net Firm Demand	20,858 MW (2012 TYSP, Schedule 3.1).
Reported 2009/10 Winter Peak Net Firm Demand	21,709 MW (2011 TYSP, Schedule 3.2);
Reported 2009/10 Winter Peak Net Firm Demand	22,730 MW (2012 TYSP, Schedule 3.2).
Reported 2014 Winter Peak Net Firm Demand	16,142 MW (2015 TYSP, Schedule 3.2);
Reported 2014 Winter Peak Net Firm Demand	16,083 MW (2016 TYSP, Schedule 3.2).

Please verify Schedules 3.1 and 3.2 the Company filed with the Commission previously and provided correct records.

**RESPONSE:**

2002 and 2005 Summer Peak Net Firm Demand – In FPL’s 2011 Ten Year Site Plan (TYSP), FPL adopted a new methodology for reporting the values for its Demand-Side Management (DSM) programs, which impacted Schedules 3.1 and 3.2. This change in methodology affected the historic years’ values, such as the two years cited in this Data Request and represents the first cited changes (e.g., 17,960 MW to 17,866 MW). In June, FPL subsequently submitted a revision to the 2011 TYSP Schedules 3.1 and 3.2, which essentially reverted to the previously-used methodology. Please see Attachment No. 1, which includes the revisions and FPL’s responses to Staff’s 4<sup>th</sup> Set of Data Requests for the 2011 TYSP and in particular Data Request No. 2 describing this change in methodology. The revised values for the 2011 TYSP remained unchanged in the 2012 TYSP (as shown in this Data Request).

2009/10 Winter Peak Net Firm Demand – The 2011 TYSP had a formula error in this year that mistakenly reduced the Net Firm Demand by subtracting out Residential and C/I Conservation. This was corrected in the 2012 TYSP.

2014 Winter Peak Net Firm Demand – The 2015 TYSP’s Residential Load Management Winter MW was mistakenly reported “at the meter” for this year. This was subsequently corrected to be “at the generator” in the 2016 TYSP, which decreased the Net Firm Demand.

Please see Attachment No. 2, which provides Schedules 3.1 and 3.2 of the 2018 TYSP. The Schedules’ historic data reflects the revisions described above.

Florida Power & Light Company  
2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 5  
Question No. 1  
Attachment No. 1  
Page 1 of 14



Florida Power & Light Company, 215 S. Monroe Street, Suite 810, Tallahassee, FL 32301

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

June 10, 2011

**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

Re: Docket No. 110000; Corrections to FPL's 2011 Ten Year Power Plant Site Plan

Dear Ms. Cole:

Please find enclosed an original and 25 copies of four replacement pages for FPL's 2011 Ten Year Power Plant Site Plan, originally filed on April 1, 2011, reflecting corrected information.

Specifically, pages 45, 46, 98, and 116 are being replaced. Corrections are included in red, bold font.

Please contact me if you have any questions regarding this filing.

Sincerely,

Jessica Cano

Enclosures

cc: Charles Murphy

- COM \_\_\_\_\_
- APA \_\_\_\_\_
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**Florida Power & Light Company**  
**2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 5**  
**Question No. 1**  
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**Schedule 3.1**  
**History and Forecast of Summer Peak Demand (MW)**  
**(Historical)**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptible	Res. Load Management	Residential Conservation	C/I Load Management	C/I Conservation	Net Firm Demand
2001	18,764	169	18,585	0	882	697	480	481	17,423
2002	19,219	261	18,958	0	873	721	469	517	17,651
2003	19,668	253	19,416	0	852	703	577	554	18,200
2004	20,545	258	20,287	0	894	810	668	577	19,663
2005	22,351	204	22,097	0	902	835	690	611	20,650
2006	21,819	250	21,563	0	926	848	639	640	20,259
2007	21,992	281	21,701	0	852	982	716	603	20,359
2008	21,050	181	20,879	0	905	1042	760	700	19,334
2009	22,351	249	22,102	0	981	1097	811	732	20,650
2010	22,255	419	21,837	0	950	1147	818	749	18,555

Historical Values (2001 - 2010):

Col. (2) - Col. (4) are actual values for historical Summer peaks. As such, they incorporate the effects of conservation (Col. 7 & Col. 9), and may incorporate the effects of load control if load control was operated on those peak days. Therefore, Col. (2) represents the actual Net Firm Demand.

Col. (5) - Col. (9) represent actual DSM capabilities starting from January 1988 and are annual (12-month) values except for 2010 values which are August values. Note that the values for FPL's former Interruptible Rate are incorporated into Col. (8), which also includes Business On Call (BOC), CILC, and Commercial/Industrial Demand Reduction (CDR). Historical Residential Load Management MWs reflect the effect of new Measurements and Verification (M&V) participant factors.

Col. (10) represents a HYPOTHETICAL "Net Firm Demand" as if the load control values had definitely been exercised on the peak. Col. (10) is derived by the formula: Col. (10) = Col. (2) - Col. (5) - Col. (8).

**Schedule 3.1**  
**History and Forecast of Summer Peak Demand (MW)**  
**(Projected)**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
August of Year	Total	Wholesale	Retail	Interruptible	Res. Load Management	Residential Conservation	C/I Load Management	C/I Conservation	Net Firm Demand
2011	21,679	383	21,295	0	1,005	79	650	39	19,697
2012	21,853	385	21,468	0	1,017	154	678	93	19,712
2013	22,155	343	21,812	0	1,023	244	695	154	19,837
2014	23,452	1,129	22,322	0	1,041	343	834	216	20,817
2015	24,172	1,139	23,037	0	1,044	442	852	272	21,462
2016	24,605	1,143	23,463	0	1,047	536	871	318	21,734
2017	25,025	1,150	23,875	0	1,050	625	889	353	22,008
2018	25,266	1,157	24,109	0	1,053	711	1,007	378	22,117
2019	25,690	1,165	24,526	0	1,056	782	1,028	397	22,419
2020	26,183	1,172	25,022	0	1,060	837	1,042	412	22,823

Projected Values (2011 - 2020):

Col. (2) - Col. (4) represent FPL's forecasted peak with incremental conservation, cumulative load management, or incremental load management.

Col. (5) - Col. (9) represent cumulative load management, and incremental conservation and load management. All values are projected August values. The 2011 values are based on IRP projections after the 2010 Summer peak and FPL's new DSM Goals for 2011. The projections for 2012 through 2020 are based on FPL's DSM Goals. Res. Load Management and C/I Load Management include MW values of load management capability from Lee County that can be initiated at FPL's request.

Col. (8) represents FPL's Business On Call, CDR, CILC, and Curtailable programs/rates.

Col. (10) represents a "Net Firm Demand" which accounts for all of the incremental conservation and assumes all of the load control is implemented on the peak. Col. (10) is derived by using the formula: Col. (10) = Col. (2) - Col. (5) - Col. (8) - Col. (7) - Col. (9).

**Florida Power & Light Company**  
**2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 5**  
**Question No. 1**  
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**Schedule 3.2**  
**History and Forecast of Winter Peak Demand: Base Case**  
**(Historical)**

(1) Year	(2) Total	(3) Firm Wholesale	(4) Retail	(5) Interruptible	(6) Res. Load Management	(7) Residential Conservation	(8) C/I Load Management	(9) C/I Conservation	(10) Net Firm Demand
2001	18,199	160	18,049	0	749	459	440	183	17,002
2002	17,597	145	17,452	0	768	590	457	199	16,373
2003	20,180	246	19,934	0	802	846	453	206	18,935
2004	14,752	211	14,541	0	813	867	634	227	13,405
2005	18,108	225	17,883	0	810	663	642	233	16,761
2006	19,633	225	19,408	0	823	609	650	246	18,311
2007	16,815	223	16,592	0	840	610	677	249	15,992
2008	18,055	163	17,892	0	858	644	636	275	16,351
2009	20,081	207	19,874	0	891	865	676	285	18,524
2010	24,346	800	23,546	0	895	687	721	361	21,752

Historical Values (2001 - 2010):

Col. (2) - Col. (4) are actual values for historical winter peaks. As such, they incorporate the effects of conservation (Col. 7 & Col. 9), and may incorporate the effects of load control if load control was operated on those peak days. Therefore, Col. (2) represents the actual Net Firm Demand.

Col. (5) - Col. (9) for 2001 through 2010 represent actual DSM capabilities starting from January 1988 and are annual (12-month) values for December 31st of the prior year.

Note that the values for FPL's former interruptible rate are incorporated into Col. (6), which also includes Business On Call (BOC), CILC, and Commercial/Industrial Demand Reduction (CIDR). Historical Residential Load Management MWs reflect the effect of new measurement and verification for participant factors.

Col. (10) represents a HYPOTHETICAL 'Net Firm Demand' as if the load control values had definitely been exercised on the peak. Col. (10) is derived by the formula: Col. (10) = Col. (2) - Col. (5) - Col. (6) - Col. (7) - Col. (8) - Col. (9).

**Schedule 3.2**  
**History and Forecast of Winter Peak Demand: Base Case**  
**(Projected)**

(1) January of Year	(2) Total	(3) Firm Wholesale	(4) Retail	(5) Interruptible	(6) Res. Load Management	(7) Residential Conservation	(8) C/I Load Management	(9) C/I Conservation	(10) Net Firm Demand
2011	21,443	376	21,067	0	911	31	764	15	19,732
2012	21,491	378	21,113	0	922	63	799	47	19,689
2013	21,663	360	21,303	0	932	104	784	80	19,774
2014	22,584	1,015	21,569	0	956	158	817	134	20,516
2015	23,046	1,222	21,824	0	959	214	832	177	20,666
2016	23,302	1,220	22,073	0	961	267	846	215	21,014
2017	23,543	1,237	22,306	0	983	314	850	244	21,161
2018	23,784	1,245	22,539	0	986	350	874	266	21,331
2019	24,044	1,252	22,792	0	996	398	889	282	21,508
2020	24,305	1,260	23,045	0	970	431	902	293	21,709

Projected Values (2011 - 2020):

Col. (2) - Col. (4) represent FPL's forecasted peak w/o incremental conservation, cumulative load management, or incremental load management.

Col. (5) - Col. (9) represent cumulative load management, and incremental conservation and load management. All values are projected January values. The 2011 values are based on IIRP projections after the 2010 Winter peak and FPL's new DSM Goals for 2011. The projections for 2012 through 2020 are based on FPL's DSM Goals, Res. Load Management and C/I Load Management includes MW values of load management capability from Lee County that can be utilized at FPL's request.

Col. (8) represents FPL's Business On Call, CIDR, CILC, and Certainable program rates.

Col. (10) represents a 'Net Firm Demand' which accounts for all of the incremental conservation and assumes all of the load control is implemented on the peak. Col. (10) is derived by using the formula: Col. (10) = Col. (2) - Col. (5) - Col. (6) - Col. (7) - Col. (8) - Col. (9).

**Florida Power & Light Company**  
**2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 5**  
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**Schedule B**  
**Planned And Prospective Generating Facility Additions And Changes**

Plant Name	(2) Unit No.	(3) Location	(4) Type	(5) Pl	(6) St	(7) Rt	(8) Ft	(9) Rt	(10) Circuit Breaker MVA	(11) Circuit Breaker MVA	(12) Expected Date MVA	(13) Gen. MVA Unavail. MVA	(14) Gen. MVA Unavail. MVA	(15) Gen. MVA Unavail. MVA	(16) Gen. MVA Unavail. MVA	(17) Gen. MVA Unavail. MVA	(18) Gen. MVA Unavail. MVA									
																		Fuel		Cost (\$/kW)	Curtail MVA	Expected Date MVA	Gen. MVA Unavail. MVA	Gen. MVA Unavail. MVA	Gen. MVA Unavail. MVA	Gen. MVA Unavail. MVA
																		Unit	Transport							
<b>2011</b>																										
St. Lucie (B2484) <sup>(1)</sup>	2	St. Lucie County	OP	UR	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
St. Lucie (B2484) <sup>(2)</sup>	3	City of Boca Raton	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
St. Lucie (B2484) <sup>(3)</sup>	4	City of Boca Raton	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
St. Lucie (B2484) <sup>(4)</sup>	5	St. Lucie County	OP	UR	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
West County Energy Center	3	Palm Beach County	CC	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	V								
<b>2011 Changes/Additions with Inactive Reserve Total:</b>												<b>0</b>	<b>977</b>													
Curtail	8	Manatee County	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
Curtail	8	Manatee County	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
Port Everglades	1	City of Hollywood	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
Port Everglades	2	City of Hollywood	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
Port Everglades	3	City of Hollywood	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
Port Everglades	4	City of Hollywood	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
Turkey Point	2	Manatee County	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
<b>2011 Changes/Additions with Inactive Reserve Total:</b>												<b>874</b>	<b>(4,241)</b>													
<b>2012</b>																										
Boca	3	City of Boca Raton	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
Boca	4	City of Boca Raton	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
Boca	4	Manatee County	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
St. Lucie (B2484) <sup>(1)</sup>	2	St. Lucie County	OP	UR	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	T								
St. Lucie (B2484) <sup>(2)</sup>	1	St. Lucie County	OP	UR	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	T								
St. Lucie (B2484) <sup>(3)</sup>	1	St. Lucie County	OP	UR	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	T								
St. Lucie (B2484) <sup>(4)</sup>	2	Manatee County	OP	UR	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	T								
West County Energy Center	3	Palm Beach County	CC	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	V								
<b>2012 Changes/Additions with Inactive Reserve Total:</b>												<b>897</b>	<b>834</b>													
Turkey Point	2	Manatee County	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
Port Everglades	3	City of Hollywood	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
Port Everglades	4	City of Hollywood	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
<b>2012 Changes/Additions with Inactive Reserve Total:</b>												<b>613</b>	<b>894</b>													
<b>2013</b>																										
St. Lucie (B2484) <sup>(1)</sup>	2	St. Lucie County	OP	UR	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	T								
St. Lucie (B2484) <sup>(2)</sup>	1	St. Lucie County	OP	UR	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	T								
City Consolidated Generation Plant Energy Center	1	Broward County	CC	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	T								
St. Lucie (B2484) <sup>(3)</sup>	2	St. Lucie County	OP	UR	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	T								
St. Lucie (B2484) <sup>(4)</sup>	1	St. Lucie County	OP	UR	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	T								
Turkey Point (B2484) <sup>(1)</sup>	3	Manatee County	OP	UR	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	T								
Turkey Point (B2484) <sup>(2)</sup>	4	Manatee County	OP	UR	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	T								
<b>2013 Changes/Additions with Inactive Reserve Total:</b>												<b>318</b>	<b>1,431</b>													
Port Everglades	3	City of Hollywood	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
Port Everglades	4	City of Hollywood	BT	FOG	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	TK	OT								
<b>2013 Changes/Additions with Inactive Reserve Total:</b>												<b>(431)</b>	<b>163</b>													

(1) The 2013 and 2014 values include all generation additions and changes approved by January. The 2015 and 2016 values include all generation additions and changes approved by June. All 2017 and 2018 values are 2017 values in the year they are being planned for, plus the 2017 values in the following year.

(2) The 2013 and 2014 values are the 2013 and 2014 values for each unit.

**Florida Power & Light Company**  
**2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 5**  
**Question No. 1**  
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Schedule 11.1

Existing FIRM and NON-FIRM Capacity and Energy by Primary Fuel Type  
 Actuals for the Year 2010

(1) Generation by Primary Fuel	(3) Net (MW) Capability				(6) NEL GWh <sup>(1)</sup>	(7) Fuel Mix %
	(2) Summer (MW)	Summer (%)	Winter (MW)	Winter (%)		
(1) Coal	900	3.5%	902	3.3%	5,721	5.0%
(2) Nuclear	2,039	11.4%	3,013	11.2%	22,850	20.0%
(3) Residual	5,054	23.1%	6,004	22.3%	4,091	3.8%
(4) Distillate	1,908	7.4%	2,087	7.7%	270	0.2%
(5) Natural Gas	11,966	46.4%	12,750	47.3%	66,771	58.4%
(6) Solar	35	0.1%	35	0.1%	89	0.1%
(7) <b>FPL Existing Units Total<sup>(1)</sup></b>	<b>23,722</b>	<b>91.9%</b>	<b>24,797</b>	<b>91.0%</b>	<b>99,771</b>	<b>87.2%</b>
(8) Renewables (Purchases), Firm	61.0	0.2%	112.0	0.4%	1,004	0.9%
(9) Renewables (Purchases), Non-Firm	Not Applicable	---	Not Applicable	---	800	0.7%
(10) <b>Renewable Total:</b>	<b>61.0</b>	<b>0.2%</b>	<b>112.0</b>	<b>0.4%</b>	<b>1,804</b>	<b>1.6%</b>
(11) <b>Purchases Other:</b>	<b>2,041.0</b>	<b>7.0%</b>	<b>2,074.0</b>	<b>7.7%</b>	<b>12,798</b>	<b>11.2%</b>
(12) <b>Total:</b>	<b>25,824.0</b>	<b>100.0%</b>	<b>26,983.0</b>	<b>100.0%</b>	<b>114,373</b>	<b>100.0%</b>

Notes:

- (1) FPL Existing Units Total values on row (7), columns (2) and (4), match the System Firm Generating Capacity values found on Schedule 1 for Summer and Winter.
- (2) Net Energy for Load GWh values on row (12), column (6), matches Schedule 6.1 value for 2010.

Schedule 11.2

Existing NON-FIRM Self-Service Renewable Generation Facilities  
 Actuals for the Year 2010

(1) Type of Facility	(2) Installed Capacity DC (MW)	(3) Renewable Projected Annual Output (MWh)	(4) Annual Energy Purchased from FPL (MWh)	(5) Annual Energy Sold to FPL (MWh)	(6) = 3+4-5 Projected Annual Energy Used by Customers (GWh)
Customer-Owned PV (0 kW to 10 kW)	4.6	6,214.7	53,476.4	146.5	56.6
Customer-Owned PV (> 10 kW to 100 kW)	1.6	1,775.4	17,858.8	158.2	19.6
Customer-Owned PV (> 100 kW to 2 MW)	2.0	3,708.4	118,652.7	177.6	118,668.2
<b>Total:</b>	<b>8.2</b>	<b>10,698.5</b>	<b>189,998.0</b>	<b>482.2</b>	<b>118,744.2</b>

Notes:

- (1) There were approximately 1,054 customer-owned renewable generation facilities interconnected with FPL on December 31, 2010.
- (2) The Installed Capacity value is the sum of the nameplate ratings (DC MW) for all of the customer-owned renewable generation facilities connected as of Dec. 31, 2010.
- (3) The Projected Annual Output value is based on NREL's PV Watts 1 program and the installed Capacity value in column (2), adjusted for the date when each facility was installed and assuming each facility operated as planned.
- (4) The Annual Energy Purchased from FPL is an actual value from FPL's metered data for 2010.
- (5) The Annual Energy Sold to FPL is an actual value from FPL's metered data for 2010.
- (6) The Projected Annual Energy Used by Customers is a projected value that equals:  
 (Renewable Projected Annual output + Annual Energy Purchased from FPL) minus the Annual Energy Sold to FPL.

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

STATE OF FLORIDA



GENERAL COUNSEL  
S. CURTIS KISER  
(850) 413-6199

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CLERK

## Public Service Commission

June 17, 2011

110000-07

Mr. John T. Butler, Esq.  
Florida Power & Light Company  
700 Universe Boulevard  
Juno Beach, Florida 33408-0420

STAFF'S DATA REQUEST NO. 4

**Re: Ten-Year Site Plan - Data Request Regarding Planned Solar Power Plants**

Dear Mr. Butler:

By this letter, the Commission staff requests that Florida Power and Light Company provide responses to the following data requests.

On June 10, 2011, FPL filed Document No. 04032-11, which contains a letter with corrected information for Schedules 3.1 on page 45, Schedule 3.2 on page 46, Schedule 8 on page 98, and Schedule 11.2 on page 116, which were included in FPL's 2011 Ten-Year Site Plan. Attached is a chart showing the figures from the original Plan filed on April 1, 2011, along with the revised figures from the corrected schedules. Also included in the chart are figures representing the differences between the original and revised figures.

1. Please verify that the figures in the attached chart are correct, including those representing the differences between the original and revised figures. If any figures are erroneous, please provide the correct value(s).
2. Please explain or describe the reason(s) for the figures in Schedule 3.1 being revised. Please discuss each column of revised figures separately, including Residential Load Management, Residential Conservation, C/I Load Management, C/I Conservation, and Net Firm Demand.
3. Please explain or describe the reason(s) for the figures in Schedule 3.2 being revised. Please discuss each column of revised figures separately, including Residential Load Management, C/I Load Management, and C/I Conservation.
4. Please explain or describe the reason(s) for the figures in Schedule 8 being revised. Please discuss each revision separately, including the 2013 St. Lucie updates and the total changes/additions with Inactive Reserve for 2013.

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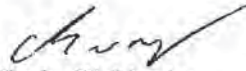
Florida Power & Light Company  
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Page 7 of 14

Mr. John T. Butler, Esq.  
Page 2  
June 17, 2011

5. Please explain or describe the reason(s) for the number of customer-owned renewable generation facilities interconnected with FPL on December 31, 2010 being revised on Note 1 for Schedule 11.2.

Please file the original and five copies of the requested information by Friday, July 1, 2011, with Ms. Ann Cole, Commission Clerk, Office of Commission Clerk, 2540 Shumard Oak Boulevard, Tallahassee, Florida, 32399-0850. Please feel free to call me at (850) 413-6191 if you have any questions.

Sincerely,



Charles W. Murphy  
Senior Attorney  
Office of the General Counsel

CWM/gdr

Attachment

cc: Kenneth A. Hoffman, VP – Regulatory Relations, FPL  
Division of Regulatory Analysis (Traci Matthews)  
Office of Commission Clerk

**Florida Power & Light Company**  
**2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 5**  
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Mr. John T. Butler, Esq.  
 Page 3  
 June 17, 2011

Schedule 3.1  
 History and Forecast of Summer Peak Demand (MW)  
 Historical

	Res. Load Management			Res. Conservation			C/I Load Management			C/I Conservation			Net Firm Demand		
	Original	Revised	Change	Original	Revised	Change	Original	Revised	Change	Original	Revised	Change	Original	Revised	Change
2001	835	842	7	516	697	181	483	489	6	465	481	12	17436	17423	-13
2002	870	879	9	576	754	178	403	489	86	505	517	11	17866	17851	-15
2003	885	892	7	618	798	180	588	577	11	541	554	13	18217	18200	-17
2004	895	894	-1	665	846	181	585	588	2	565	577	11	19064	19063	-1
2005	898	902	4	715	895	180	592	600	8	599	611	12	20671	20858	-19
2006	910	928	18	770	948	178	607	635	28	634	640	6	20302	20256	-46
2007	941	952	11	808	982	174	676	716	40	672	683	11	20345	20295	-50
2008	868	865	-1	851	1042	181	734	760	26	697	706	9	19360	19334	-26
2009	976	951	-25	902	1097	195	780	811	31	719	732	13	20585	20558	-27
2010	891	890	-1	862	1147	285	816	815	-1	747	749	2	18720	18555	-165

Schedule 3.2  
 History and Forecast of Winter Peak Demand (MW)  
 Historical

	Res. Load Management			C/I Load Management			C/I Conservation		
	Original	Revised	Change	Original	Revised	Change	Original	Revised	Change
2001							196	183	-13
2002							206	198	-10
2003							227	206	-21
2004	814	813	-1	535	534	-1	233	227	-6
2005							240	233	-7
2006	822	823	1	549	550	1	249	240	-9
2007	849	846	-3	579	577	-2	279	249	-30
2008							285	279	-6
2009	884	887	3	680	676	-4	291	285	-6
2010							303	291	-12

Schedule 8  
 Planned and Prospective Generating Facility Additions and Changes

		Firm Net Capability					
		Win (MW)			Sum (MW)		
		Original	Revised	Change	Original	Revised	Change
2013	St. Lucie Upgrades	93	110	17	93	110	17

Other changes:  
 On Schedule 11.2, note 1 the number of customer-owned renewable generation facilities inter-connected with FPL on December 31, 2010 was changed from 1074 to 1064.

Florida Power & Light Company  
2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 5  
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Page 9 of 14



Florida Power & Light Company, P.O. Box 14000, Juno Beach, FL 33408-0420  
Law Department

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

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July 1, 2011

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

110000-0T

**RE: Florida Power & Light Company's 2011 Ten Year Power Plant Site Plan**

Dear Ms. Cole:

Enclosed are Florida Power & Light Company's responses to Staff's Fourth Set of Data Requests related to FPL's 2011 Ten Year Site Plan.

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

Sincerely,

*Jessica Cano*

Jessica A. Cano

Enclosure

- COM \_\_\_\_\_
- APA \_\_\_\_\_
- ECR \_\_\_\_\_
- GCL \_\_\_\_\_
- RAD** \_\_\_\_\_ (Phillip Ellis)
- SSC \_\_\_\_\_
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DOCUMENT NUMBER-DATE

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**Florida Power & Light Company**  
**2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 5**  
**Question No. 1**  
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Florida Power & Light Company  
Docket No.  
2011 Ten Year Site Plan - Staff's Data Request No. 4  
Question No. 1  
Page 1 of 1

**Q.**  
Please verify that the figures in the attached chart are correct, including those representing the differences between the original and revised figures. If any figures are erroneous, please provide the correct value(s).

**A.**  
In schedule 3.1, the revised number for Residential Load Management for 2008 should be 966 MW, for a difference of 0.

DOCUMENT NUMBER-DATE

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Florida Power & Light Company  
2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 5  
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Florida Power & Light Company  
Docket No.  
2011 Ten Year Site Plan - Staff's Data Request No. 4  
Question No. 2  
Page 1 of 1

**Q.**

Please explain or describe the reason(s) for the figures in Schedule 3.1 being revised. Please discuss each column of revised figures separately, including Residential Load Management, Residential Conservation, C/I Load Management, C/I Conservation, and Net Firm Demand.

**A.**

The values in Schedule 3.1 of the errata sheet have been revised to revert back to the prior methodology of reporting annual MW savings (i.e., from year-end to year-end.) The values originally provided in the Site Plan were based on a different methodology. This different methodology was to report values from actual peak month to actual peak month instead of from year-end to year-end. In the errata sheet, the annual MW values are year-end values for all years except for 2010 where the savings are as of August 2010. (The MW values for the remaining months of September through December 2010 are reflected in the projected 2011 incremental MW values.)

In addition, one other change was made for the Residential Conservation values as explained below.

**Residential Load Management:** The changes in this column are all due to a return to the prior year-end to year-end methodology as explained above.

**Residential Conservation:** The changes in this column are due, in part, to a return to the prior year-end to year-end methodology as explained above.

In addition, the residential conservation values in the original filing had an error in the starting point of the cumulative values from 1988 to 2000. The errata sheet corrects the starting point.

**C/I Load Management:** The changes in this column are all due to a return to the prior year-end to year-end methodology as explained above.

**C/I Conservation:** The changes in this column are all due to a return to the prior year-end to year-end methodology as explained above.

**Net Firm Demand:** The change in the net firm demand is a result of the changes in the prior columns for residential load management, residential conservation, C/I load management and C/I conservation.

Florida Power & Light Company  
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2011 Ten Year Site Plan - Staff's Data Request No. 4  
Question No. 3  
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**Q.**  
Please explain or describe the reason(s) for the figures in Schedule 3.2 being revised. Please discuss each column of revised figures separately, including Residential Load Management, C/I Load Management, and C/I Conservation.

**A.**  
The schedule 3.2 has been revised to revert back to the prior methodology of reporting year-end to year-end savings as explained above for Schedule 3.1. In addition, there was one other change as explained below for C/I Conservation.

**Residential Load Management:** The changes in this column are all due to a return to the prior year-end to year-end methodology as explained above.

**C/I Load Management:** The changes in this column are all due to a return to the prior year-end to year-end methodology as explained above.

**C/I Conservation:** The changes in this column are due, in part, to a return to the prior year-end to year-end methodology as explained above.

In addition, changes in this column are also due to correcting an error of entering the correct MW values in the wrong years. For example the 2001 value in the Site Plan of 196 MW should be the savings for the year 2002 as shown in the errata sheet. This correction affects all subsequent years.

**Florida Power & Light Company**  
**2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 5**  
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**Florida Power & Light Company**  
**Docket No.**  
**2011 Ten Year Site Plan - Staff's Data Request No. 4**  
**Question No. 4**  
**Page 1 of 1**

**Q.**

Please explain or describe the reason(s) for the figures in Schedule 8 being revised. Please discuss each revision separately, including the 2013 St. Lucie uprates and the total changes/additions with Inactive Reserve for 2013.

**A.**

The value originally shown for the St. Lucie Unit #2 uprate did not correctly account for the interim incremental 17 MW from the EPU project. The 17 MW of capacity should have been included when the unit comes back in-service from its last EPU outage in 2013. The value shown in the Site Plan of 93 MW should have also included this 17 MW increase resulting in a total of 110 MW of increased capacity (as shown on the errata sheet).

**Florida Power & Light Company**  
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Florida Power & Light Company  
Docket No.  
2011 Ten Year Site Plan - Staff's Data Request No. 4  
Question No. 5  
Page 1 of 1

**Q.**

Please explain or describe the reason(s) for the number of customer-owned renewable generation facilities interconnected with FPL on December 31, 2010 being revised on Note 1 for Schedule 11.2.

**A.**

The value shown for "approximate number of customer-owned renewable generation facilities interconnected to FPL" changed because customers were being double counted. Two customers had installed two different renewable devices (both PV and wind) and were incorrectly being counted twice. There were another eight customers that had cancelled their accounts at their former locations and new customers had opened an account at that same location. Both the cancelled accounts, and the new accounts, were incorrectly being counted. Both problems have been corrected with the revised values.





Kevin I.C. Donaldson  
Senior Attorney  
Florida Power & Light Company  
700 Universe Boulevard  
Juno Beach, FL 33408-0420  
(561) 304-5170  
(561) 691-7135 (Facsimile)

August 30, 2018

**-VIA HAND DELIVERY-**

Carlotta Stauffer, Director  
Division of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

Re: Docket No. 180000-EI  
Florida Power & Light Company's 2018 Ten Year Power Plant Site Plan Errata

Dear Ms. Stauffer:

Please find enclosed for filing, Florida Power & Light Company's 2018-2027 Ten Year Power Plant Site Plan Errata reflecting corrected information for Table I.B.2 on page 20, Schedule 3.1 on page 41 and Schedule 3.2 on page 42. Corrections are included in red print. Please be advised that five (5) hard copies also will be provided to your office.

Please contact me should you have any questions or concerns.

Sincerely,

/s/ Kevin Donaldson  
Kevin I.C. Donaldson  
Fla. Bar No. 0833401

Enclosure

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**Florida Power & Light Company**  
**2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 5**  
**Question No. 1**  
**Attachment No. 2**  
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Table I.B.2: FPL's Firm Purchased Power Summer MW

**Summary of FPL's Firm Capacity Purchases: Summer MW (for August of Year Shown)**

**I. Purchases from QF's**

Cogeneration Small Power Production Facilities <sup>2/</sup>	Contract Start Date	Contract End Date	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Broward South	01/01/93	12/31/26	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0
Broward South	01/01/95	12/31/26	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0
Broward South	01/01/97	12/31/26	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0
Indiantown Cogen L.P.	12/22/95	1st Qtr/2020	330	0	0	0	0	0	0	0	0	0
<b>QF Purchases Subtotal:</b>			<b>334</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>0</b>

**II. Purchases from Utilities**

	Contract Start Date	Contract End Date	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Exelon Generation Company, LLC	05/01/18	09/30/18	200	0	0	0	0	0	0	0	0	0
OUC / FMPA	10/01/18	12/31/20	0	100	100	0	0	0	0	0	0	0
<b>Utility Purchases Subtotal:</b>			<b>200</b>	<b>100</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>Total of QF and Utility Purchases =</b>	<b>534</b>	<b>104</b>	<b>104</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>0</b>
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**III. Other Purchases**

	Contract Start Date	Contract End Date	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Palm Beach SWA - Extension <sup>1/</sup>	01/01/12	04/01/34	40	40	40	40	40	40	40	40	40	40
Palm Beach SWA - Additional	01/01/16	04/01/34	70	70	70	70	70	70	70	70	70	70
<del>Unspecified Purchase<sup>3/</sup></del>	<del>05/01/19</del>	<del>12/31/19</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>
Unspecified Purchase <sup>3/</sup>	05/01/20	12/31/20	0	0	55	0	0	0	0	0	0	0
Unspecified Purchase <sup>3/</sup>	05/01/27	10/31/27	0	0	0	0	0	0	0	0	0	262
<b>Other Purchases Subtotal:</b>			<b>110</b>	<b>110</b>	<b>165</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>372</b>

<b>Total "Non-QF" Purchases =</b>	<b>310</b>	<b>210</b>	<b>265</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>372</b>
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<b>Summer Firm Capacity Purchases Total MW:</b>	<b>644</b>	<b>214</b>	<b>269</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>372</b>
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1/ When the second unit came into commercial service at the Palm Beach SWA, neither unit met the standards to be a small power producer, and it then became accounted for under "Other Purchases"

2/ The Indiantown Cogen L.P. PPA is projected to end, and the generating unit to be retired, in 1<sup>st</sup> Quarter ~~2019~~ 2020.

3/ These Unspecified Purchases are short-term purchases for the Summer of ~~2019~~ 2020 and 2027 that are included for resource planning purposes. No decision regarding such purchases is needed at this time.

**Florida Power & Light Company**  
**2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 5**  
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**Table I.B.2: FPL's Firm Purchased Power Summer MW**

**Summary of FPL's Firm Capacity Purchases: Summer MW (for August of Year Shown)**

**I. Purchases from QF's**

Cogeneration Small Power Production Facilities <sup>2/</sup>	Contract Start Date	Contract End Date	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Broward South	01/01/93	12/31/26	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0
Broward South	01/01/95	12/31/26	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0
Broward South	01/01/97	12/31/26	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0
Indiantown Cogen L.P.	12/22/95	1st Qtr/2020	330	0	0	0	0	0	0	0	0	0
<b>QF Purchases Subtotal:</b>			<b>334</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>0</b>

**II. Purchases from Utilities**

	Contract Start Date	Contract End Date	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Exelon Generation Company, LLC	05/01/18	09/30/18	200	0	0	0	0	0	0	0	0	0
OUC / FMPA	10/01/18	12/31/20	0	100	100	0	0	0	0	0	0	0
<b>Utility Purchases Subtotal:</b>			<b>200</b>	<b>100</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>Total of QF and Utility Purchases =</b>	<b>534</b>	<b>104</b>	<b>104</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>0</b>
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**III. Other Purchases**

	Contract Start Date	Contract End Date	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Palm Beach SWA - Extension <sup>1/</sup>	01/01/12	04/01/34	40	40	40	40	40	40	40	40	40	40
Palm Beach SWA - Additional	01/01/16	04/01/34	70	70	70	70	70	70	70	70	70	70
Unspecified Purchase <sup>3/</sup>	05/01/20	12/31/20	0	0	55	0	0	0	0	0	0	0
Unspecified Purchase <sup>3/</sup>	05/01/27	10/31/27	0	0	0	0	0	0	0	0	0	262
<b>Other Purchases Subtotal:</b>			<b>110</b>	<b>110</b>	<b>165</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>372</b>

<b>Total "Non-QF" Purchases =</b>	<b>310</b>	<b>210</b>	<b>265</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>372</b>
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<b>Summer Firm Capacity Purchases Total MW:</b>	<b>644</b>	<b>214</b>	<b>269</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>372</b>
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1/ When the second unit came into commercial service at the Palm Beach SWA, neither unit met the standards to be a small power producer, and it then became accounted for under "Other Purchases"

2/ The Indiantown Cogen L.P. PPA is projected to end, and the generating unit to be retired, in 1<sup>st</sup> Quarter 2020.

3/ These Unspecified Purchases are short-term purchases for the Summer of 2020 and 2027 that are included for resource planning purposes. No decision regarding such purchases is needed at this time.

Florida Power & Light Company

2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 5

Question No. 1

Attachment No. 2

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Schedule 3.1

History of Summer Peak Demand (MW)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptible	Res. Load Management	Residential Conservation	C/I Load Management	C/I Conservation	Net Firm Demand
2008	21,060	181	20,879	0	966	1,042	760	706	19,334
2009	22,351	249	22,102	0	981	1,097	811	732	20,558
2010	22,256	419	21,837	0	990	1,181	815	758	20,451
2011	21,619	427	21,192	0	1,000	1,281	821	781	19,798
2012	21,440	431	21,009	0	1,013	1,351	833	810	19,594
2013	21,576	396	21,180	0	1,025	1,417	833	839	19,718
2014	22,935	1,155	21,780	0	1,010	1,494	843	866	21,082
2015	22,959	1,303	21,656	0	878	1,523	826	873	21,255
2016	23,858	1,367	22,491	0	882	1,548	836	888	22,140
2017	23,373	1,393	21,980	0	910	1,560	825	903	21,639

Historical Values (2008 - 2017):

Col. (2) - Col. (4) are actual values for historical Summer peaks. As such, they incorporate the effects of conservation (Col. 7 & Col. 9), and may incorporate the effects of load control if load control was operated on these peak days. Therefore, Col. (2) represents the actual Net Firm Demand.

Col. (5) - Col. (9) represent actual DSM capabilities starting from January 1988 and are annual (12-month) values except for 2016-2017 values which are through August.

Col. (6) values for 2015 and 2016 primarily reflect a short-term hardware communications issue that is projected to be resolved by the end of 2017.

Col. (10) represents a hypothetical "Net Firm Demand" as if the load control values had definitely been exercised on the peak. Col. (10) is derived by the formula: Col. (10) = Col.(2) - Col.(6) - Col.(8).

Schedule 3.1  
Forecast of Summer Peak Demand (MW)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
August of Year	Total	Wholesale	Retail	Interruptible	Res. Load Management*	Residential Conservation	C/I Load Management*	C/I Conservation	Net Firm Demand
2018	24,010	1,468	22,543	0	903	12	882	14	22,199
2019	24,456	1,440	23,016	0	917	24	924	28	22,564
2020	24,713	1,408	23,305	0	924	36	954	42	22,757
2021	24,904	1,218	23,686	0	931	48	970	57	22,897
2022	25,189	1,235	23,955	0	939	61	982	72	23,136
2023	25,546	1,248	24,299	0	946	74	993	87	23,445
2024	25,939	1,256	24,683	0	953	88	1,005	103	23,789
2025	26,259	1,211	25,047	0	960	101	1,017	120	24,060
2026	26,672	1,231	25,441	0	967	115	1,029	136	24,425
2027	27,076	1,255	25,821	0	975	129	1,040	152	24,780

Projected Values (2018 - 2027):

Col. (2) - Col. (4) represent FPL's forecasted peak and does not include incremental conservation, cumulative load management, or incremental load management.

Col. (5) - Col. (9) represent cumulative load management, and incremental conservation and load management. All values are projected August values.

Col. (8) represents FPL's Business On Call, CDR, CILC, and Curtailable programs/rates.

Col. (10) represents a "Net Firm Demand" which accounts for all of the incremental conservation and assumes all of the load control is implemented on the peak. Col. (10) is derived by using the formula: Col. (10) = Col. (2) - Col. (5) - Col. (6) - Col. (7) - Col. (8) - Col. (9).

\* Res. Load Management and C/I Load Management include MW values of load management from Lee County and FKEC whose loads FPL serves.

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Schedule 3.1

**History of Summer Peak Demand (MW)**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptible	Res. Load Management	Residential Conservation	C/I Load Management	C/I Conservation	Net Firm Demand
2008	21,060	181	20,879	0	966	1,042	760	706	19,334
2009	22,351	249	22,102	0	981	1,097	811	732	20,558
2010	22,256	419	21,837	0	990	1,181	815	758	20,451
2011	21,619	427	21,192	0	1,000	1,281	821	781	19,798
2012	21,440	431	21,009	0	1,013	1,351	833	810	19,594
2013	21,576	396	21,180	0	1,025	1,417	833	839	19,718
2014	22,935	1,155	21,780	0	1,010	1,494	843	866	21,082
2015	22,959	1,303	21,656	0	878	1,523	826	873	21,255
2016	23,858	1,367	22,491	0	882	1,548	836	888	22,140
2017	23,373	1,393	21,980	0	910	1,560	825	903	21,639

**Historical Values (2008 - 2017):**

Col. (2) - Col. (4) are actual values for historical Summer peaks. As such, they incorporate the effects of conservation (Col. 7 & Col. 9), and may incorporate the effects of load control if load control was operated on these peak days. Therefore, Col. (2) represents the actual Net Firm Demand.

Col. (5) - Col. (9) represent actual DSM capabilities starting from January 1988 and are annual (12-month) values except for 2017 values which are through August.

Col. (6) values for 2015 and 2016 primarily reflect a short-term hardware communications issue that is projected to be resolved by the end of 2017.

Col. (10) represents a hypothetical "Net Firm Demand" as if the load control values had definitely been exercised on the peak. Col. (10) is derived by the formula: Col. (10) = Col.(2) - Col.(6) - Col.(8).

Schedule 3.1

**Forecast of Summer Peak Demand (MW)**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
August of Year	Total	Wholesale	Retail	Interruptible	Res. Load Management*	Residential Conservation	C/I Load Management*	C/I Conservation	Net Firm Demand
2018	24,010	1,468	22,543	0	903	12	882	14	22,199
2019	24,456	1,440	23,016	0	917	24	924	28	22,564
2020	24,713	1,408	23,305	0	924	36	954	42	22,757
2021	24,904	1,218	23,686	0	931	48	970	57	22,897
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2023	25,546	1,248	24,299	0	946	74	993	87	23,445
2024	25,939	1,256	24,683	0	953	88	1,005	103	23,789
2025	26,259	1,211	25,047	0	960	101	1,017	120	24,060
2026	26,672	1,231	25,441	0	967	115	1,029	136	24,425
2027	27,076	1,255	25,821	0	975	129	1,040	152	24,780

**Projected Values (2018 - 2027):**

Col. (2) - Col. (4) represent FPL's forecasted peak and does not include incremental conservation, cumulative load management, or incremental load management.

Col. (5) - Col. (9) represent cumulative load management, and incremental conservation and load management. All values are projected August values.

Col. (8) represents FPL's Business On Call, CDR, CILC, and Curtailable programs/rates.

Col. (10) represents a "Net Firm Demand" which accounts for all of the incremental conservation and assumes all of the load control is implemented on the peak. Col. (10) is derived by using the formula: Col. (10) = Col. (2) - Col. (5) - Col. (6) - Col. (7) - Col. (8) - Col. (9).

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Florida Power & Light Company

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Schedule 3.2

History of Winter Peak Demand (MW)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Firm Wholesale	Retail	Interruptible	Res. Load Management	Residential Conservation	C/I Load Management	C/I Conservation	Net Firm Demand
2008	18,055	163	17,892	0	868	644	636	279	16,551
2009	20,081	207	19,874	0	881	666	676	285	18,524
2010	24,346	500	23,846	0	895	687	721	291	22,730
2011	21,126	383	20,743	0	903	717	723	303	19,501
2012	17,934	382	17,552	0	856	755	722	314	16,356
2013	15,931	348	15,583	0	843	781	567	326	14,521
2014	17,500	890	16,610	0	828	805	590	337	16,083
2015	19,718	1,329	18,389	0	822	835	551	346	18,345
2016	16,941	1,087	15,854	0	742	858	570	352	15,629
2017	17,074	1,098	15,976	0	759	861	577	364	15,738

Historical Values (2008 - 2017):

Col. (2) - Col. (4) are actual values for historical Winter peaks. As such, they incorporate the effects of conservation (Col. 7 & Col. 9), and may incorporate the effects of load control if load control was operated on these peak days. Therefore, Col. (2) represents the actual Net Firm Demand. For year 2011, the actual winter peak occurred in December of 2010.

Col. (5) - Col. (9) for 2006 through ~~2016~~ 2017 represent actual DSM capabilities starting from January 1988 and are annual (12-month) values.

Col. (6) values for 2015 and 2016 primarily reflect a short-term hardware communications issue that is projected to be resolved by the end of 2017.

Col. (10) represents a hypothetical "Net Firm Demand" as if the load control values had definitely been exercised on the peak. Col. (10) is derived by the formula: Col. (10) = Col.(2) - Col.(6) - Col.(8).

Schedule 3.2  
Forecast of Winter Peak Demand (MW)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
January of Year	Total	Firm Wholesale	Retail	Interruptible	Res. Load Management*	Residential Conservation	C/I Load Management*	C/I Conservation	Net Firm Demand
2018	19,604	1,208	18,396	0	760	3	609	9	18,222
2019	19,989	1,157	18,832	0	757	7	635	19	18,571
2020	20,182	1,074	19,108	0	763	11	659	30	18,720
2021	20,430	1,059	19,372	0	768	16	672	41	18,934
2022	20,489	850	19,640	0	774	20	677	52	18,966
2023	20,774	862	19,912	0	780	25	683	63	19,222
2024	21,067	873	20,193	0	786	30	688	75	19,486
2025	21,283	803	20,480	0	792	36	694	88	19,674
2026	21,579	803	20,776	0	798	41	699	100	19,940
2027	21,867	806	21,061	0	804	47	705	112	20,199

Projected Values (2018 - 2027):

Col. (2) - Col. (4) represent FPL's forecasted peak and does not include incremental conservation, cumulative load management, or incremental load management.

Col. (5) - Col. (9) represent cumulative load management, and incremental conservation and load management. All values are projected January values.

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**Schedule 3.2**  
**History of Winter Peak Demand (MW)**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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**Schedule 3.2**  
**Forecast of Winter Peak Demand (MW)**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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