

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-**

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**DATE:** September 27 2018  
**TO:** Carlotta S. Stauffer, Commission Clerk, Office of Commission Clerk  
**FROM:** Takira Thompson, Engineering Specialist, Division of Engineering *TT PoE*  
**RE:** Docket No. 20180000-OT - Undocketed filings for 2018.

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Please file the attached, "FPL – TYSP Staff's Supplemental Data Request #5," in the above mentioned docket file.

Thank you.

TTT/pz

Attachment

COMMISSIONERS:  
ART GRAHAM, CHAIRMAN  
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GARY F. CLARK  
ANDREW GILES FAY

STATE OF FLORIDA



DIVISION OF ENGINEERING  
TOM BALLINGER  
DIRECTOR  
(850) 413-6910

## Public Service Commission

September 27, 2018

Ms. Lynne Adams  
Florida Power & Light  
[Lynne\\_Adams@fpl.com](mailto:Lynne_Adams@fpl.com)

VIA EMAIL

Dear Ms. Adams:

**Re: Review of the 2018 Ten-Year Site Plans for Florida's Electric Utilities Supplemental Data Request #5**

Please electronically file all responses to the attached Staff's Supplemental Data Request #5, no later than Thursday, October 11, 2018, via the Commission's website at [www.floridapsc.com](http://www.floridapsc.com) by selecting the Clerk's Office tab and Electronic Filing Web Form. Please reference 20180000-OT (Undocketed filings for 2018). In addition, please email responses to Takira Thompson at [tthomps@psc.state.fl.us](mailto:tthomps@psc.state.fl.us).

If you have any questions, please contact Takira Thompson by phone at (850) 413-6592 or at the email address provided above, or contact Phillip Ellis by phone at (850) 413-6626 or by email at [pellis@psc.state.fl.us](mailto:pellis@psc.state.fl.us).

Sincerely,

A handwritten signature in blue ink that reads "Takira Thompson".

Takira Thompson  
Engineering Specialist  
Division of Engineering

TTT:pz

Enclosure

cc: Office of Commission Clerk (20180000-OT – Undocketed filings for 2018)

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.

FPL 2012 TYSP											
Data Source: Response to Staff's First Data Request No. 1											
Schedule 3.1 History and Forecast of Summer Peak Demand Base Case											
FPL	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Utility	Year	Total Demand	Wholesale Demand	Retail Demand	Net Demand	Residential		Commercial/Industrial		Net Firm Demand	
		MW	MW	MW	MW	Ad Management	Conservation	Ad Management	Conservation	MW	
-											
FPL	H I S T O R Y	2002	19,219	261	18,958	-	879	754	489	517	17,851
FPL		2003	19,668	253	19,415	-	892	798	577	554	18,200
FPL		2004	20,545	258	20,287	-	894	846	588	577	19,063
FPL		2005	22,361	264	22,097	-	902	895	600	611	20,858
FPL		2006	21,819	256	21,563	-	928	948	635	640	20,256
FPL		2007	21,962	261	21,701	-	952	982	716	683	20,295
FPL		2008	21,060	181	20,879	-	966	1,042	760	706	19,334
FPL		2009	22,351	249	22,102	-	981	1,097	811	732	20,558
FPL		2010	22,256	419	21,837	-	990	1,181	815	758	20,451
FPL		2011	21,618	427	21,191	-	1,002	1,252	821	776	19,795

**FPL 2011 TYSP**  
 Data Source:  
 Response to Supplemental DR - Question No. 2  
 Attachment No. 1

**Schedule 3.1**  
**History and Forecast of Summer Peak Demand**  
**Base Case**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptible	Residential	Residential	Comm./Ind.	Comm./Ind.	Net Firm Demand
					Load	Conservation	Load	Conservation	
<b>HISTORY:</b>									
2001	18,754	169	18,585	0	835	516	483	469	17,435
2002	19,219	261	18,958	0	870	576	483	505	17,866
2003	19,668	253	19,415	0	885	618	566	541	18,217
2004	20,545	258	20,287	0	895	665	586	566	19,064
2005	22,361	264	22,097	0	898	715	592	599	20,871
2006	21,819	256	21,563	0	910	770	607	634	20,302
2007	21,962	261	21,701	0	941	808	676	672	20,345
2008	21,050	181	20,879	0	966	861	734	697	19,360
2009	22,351	249	22,102	0	976	902	780	719	20,595
2010	22,256	419	21,837	0	991	982	816	747	18,720

**FPL 2010 TYSP**  
 Data Source:  
 Florida Power & Light Company  
 2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 3  
 Question No. 1  
 Attachment No. 12  
 Tab 1 of 1

Rev. 09-30-10

**Schedule 3.1**  
**History and Forecast of Summer Peak Demand: Base Case**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
August of Year	Total	Wholesale	Retail	Interruptible	Res. Load	Residential	C/I Load	C/I	Net Firm Demand
					Management	Conservation	Management	Conservation	
2000	17,808	161	17,647	0	719	645	487	451	16,622
2001	18,754	169	18,585	0	737	697	488	481	17,529
2002	19,219	261	18,958	0	770	755	489	517	17,960
2003	19,668	253	19,415	0	781	799	577	554	18,310
2004	20,545	258	20,287	0	783	847	588	578	19,174
2005	22,361	264	22,097	0	790	895	600	611	20,971
2006	21,819	256	21,563	0	809	948	636	640	20,375
2007	21,962	261	21,701	0	954	982	715	683	20,293
2008	21,050	181	20,879	0	974	1035	735	708	19,351
2009	22,351	212	22,139	0	985	1084	793	734	20,573

FPL 2012 TYSP											
Data Source: Response to Staff's First Data Request No. 1											
Schedule 3.2 History and Forecast of Winter Peak Demand Base Case											
FPL	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Utility	Year	Total Demand	Wholesale Demand	Retail Demand	ble Demand	Residential		Commercial/Industrial		Net Firm Demand	
		MW	MW	MW	MW	d Management	Conservation	d Management	Conservation	MW	
-											
FPL	H I S T O R Y	2001/02	17,597	145	17,452	-	768	500	457	196	16,373
FPL		2002/03	20,190	246	19,944	-	802	546	453	206	18,935
FPL		2003/04	14,752	211	14,541	-	813	567	534	227	13,405
FPL		2004/05	18,108	225	17,883	-	816	583	542	233	16,751
FPL		2005/06	19,683	225	19,458	-	823	600	550	240	18,311
FPL		2006/07	16,815	223	16,592	-	846	620	577	249	15,392
FPL		2007/08	18,055	163	17,892	-	868	644	636	279	16,551
FPL		2008/09	20,081	207	19,874	-	881	666	676	285	18,524
FPL		2009/10	24,346	500	23,846	-	895	687	721	291	22,730
FPL		2010/11	21,126	383	20,743	-	903	717	722	303	19,501

FPL 2011 TYSP									
Data Source: Supplemental DR - Question No. 2 Attachment No. 1									
Schedule 3.2 History and Forecast of Winter Peak Demand Base Case									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptible Management	Residential		Comm./Ind.		Net Firm Demand
					Load	Residential Conservation	Load	Comm./Ind. Conservation	
<b>HISTORY:</b>									
2000/01	18,199	150	18,049	0	749	500	448	196	17,002
2001/02	17,597	145	17,452	0	768	546	457	206	16,373
2002/03	20,190	246	19,944	0	802	567	453	227	18,935
2003/04	14,752	211	14,541	0	814	583	535	233	13,403
2004/05	18,108	225	17,883	0	816	600	542	240	16,750
2005/06	19,683	225	19,458	0	822	620	549	249	18,312
2006/07	16,815	223	16,592	0	849	644	579	279	15,387
2007/08	18,055	163	17,892	0	868	666	636	285	16,551
2008/09	20,081	207	19,874	0	884	687	680	291	18,517
2009/10	24,346	500	23,846	0	895	718	721	303	21,709

**FPL 2010 TYSP**

Data Source:  
 Florida Power & Light Company  
 2018 Ten-Year Site Plan - Staff's Supplemental Data Request # 3  
 Question No. 1  
 Attachment No. 12  
 Tab 1 of 1

Rev: 09-30-10

Schedule 3.2  
 History and Forecast of Winter Peak Demand: Base Case

(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
2000	17,057	142	16,915	0	741	434	438	176	15,878
2001	18,199	150	18,049	0	791	459	448	183	16,960
2002	17,597	145	17,452	0	811	500	457	196	16,329
2003	20,190	246	19,944	0	847	546	453	206	18,890
2004	14,752	211	14,541	0	857	570	532	230	13,363
2005	18,108	225	17,883	0	862	583	542	233	16,704
2006	19,683	225	19,458	0	870	600	550	240	18,263
2007	16,815	223	16,592	0	894	620	577	249	15,344
2008	18,055	163	17,892	0	879	644	635	279	16,541
2009	20,081	162	19,919	0	951	578	764	295	18,366



**FPL 2016 TYSP**

**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
2006	19,683	225	19,458	0	823	600	550	240	18,311
2007	16,815	223	16,592	0	846	620	577	249	15,392
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

**FPL 2015 TYSP**

**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
2005	18,108	225	17,883	0	816	583	542	233	16,751
2006	19,683	225	19,458	0	823	600	550	240	18,311
2007	16,815	223	16,592	0	846	620	577	249	15,392
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	768	805	590	337	16,142