



William P. Cox  
Senior Attorney  
Florida Power & Light Company  
700 Universe Boulevard  
Juno Beach, FL 33408-0420  
(561) 304-5662  
(561) 691-7135 (Facsimile)  
Email: will.p.cox@fpl.com

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**-VIA ELECTRONIC FILING-**

Adam Teitzman  
Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

**RE: Docket No. 20200000-OT  
Florida Power & Light Company and Gulf Power Company's 2020-2029 Ten  
Year Power Plant Site Plan**

Dear Mr. Teitzman:

Please find attached Florida Power & Light Company and Gulf Power Company's responses to Staff's Second Data Request (Nos. 1-3).

If there are any questions, please contact me at (561)304-5662.

Sincerely,

/s/ William P. Cox  
William P. Cox  
Senior Attorney  
Fla. Bar No. 00093531

Enclosures

cc: Doug Wright  
Donald Phillips

**QUESTION:**

Please provide integrated historical data (Years 2010-2019) for FPL and Gulf for the following schedules appearing in Chapter II of the utilities' 2020 TYSP: Schedules 2.1, 2.2, 2.3, 3.1, 3.2, and 3.3.

**RESPONSE:**

Until the planned January 1, 2022 integration, FPL and Gulf Power have and will continue to operate in separate systems; therefore, no actual data is available for the planned combined system. For purposes of responding to Staff's request, hypothetical historical data for the planned combined system were approximated by combining the actual historical data for FPL and Gulf Power. Please see Attachment No. 1 to this response.

**Schedule 2.1  
 History of Energy Consumption  
 And Number of Customers by Customer Class**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<u>Year</u>	<u>Population</u>	<u>Members per Household</u>	<u>Rural &amp; Residential</u>			<u>Commercial</u>		
			<u>Average No. of Customers</u>	<u>Average kWh Consumption Per Customer</u>		<u>Average No. of Customers</u>	<u>Average kWh Consumption Per Customer</u>	
2010	9,725,286	2.22	61,994	4,380,213	14,153	48,541	556,879	87,166
2011	9,862,353	2.24	59,947	4,404,917	13,609	48,964	561,414	87,215
2012	9,994,845	2.26	58,488	4,432,071	13,197	49,079	565,592	86,774
2013	10,131,408	2.26	59,019	4,479,771	13,175	49,151	570,760	86,115
2014	10,280,659	2.26	60,565	4,555,793	13,294	49,522	580,341	85,333
2015	10,454,253	2.26	64,211	4,618,890	13,902	51,266	587,965	87,193
2016	10,636,673	2.27	64,045	4,680,566	13,683	51,224	596,232	85,913
2017	10,787,611	2.28	63,418	4,740,017	13,379	50,964	604,336	84,331
2018	10,982,277	2.29	64,616	4,798,780	13,465	51,223	610,454	83,909
2019	11,109,491	2.27	65,845	4,886,791	13,474	51,853	622,212	83,336

**Historical Values (2010 - 2019):**

Col. (2) includes the Pensacola, Crestview, and Panama City MSAs, which are generally representative of the area served by Gulf.

Col. (4) and Col. (7) represent actual energy sales including the impacts of existing conservation. These values are at the meter.

Col. (5) and Col. (8) represent the annual average of the twelve monthly values.

**Schedule 2.2  
 History of Energy Consumption  
 And Number of Customers by Customer Class**

**Schedule 2.3  
 History of Energy Consumption  
 And Number of Customers by Customer Class**

(1)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Year	<u>Industrial</u>			Railroads & Railways <u>GWh</u>	Street & Highway Lighting <u>GWh</u>	Sales to Public Authorities <u>GWh</u>	Sales to Ultimate Consumers <u>GWh</u>
	<u>GWh</u>	<u>Customers</u>	<u>Per Customer</u>				
2010	4,816	9,184	524,357	81	456	28	115,916
2011	4,885	8,964	544,946	82	463	27	114,368
2012	4,749	9,010	527,078	81	467	25	112,888
2013	4,656	9,799	475,106	88	462	28	113,404
2014	4,790	10,673	448,832	91	471	24	115,464
2015	4,840	11,566	418,477	92	473	23	120,906
2016	4,889	12,018	406,809	92	472	23	120,744
2017	4,701	11,909	394,738	83	473	41	119,680
2018	4,770	11,855	402,350	80	475	23	121,186
2019	4,750	12,049	394,249	82	455	23	123,008

**Historical Values (2010 - 2019):**

Col. (16) represents actual energy sales including the impacts of existing conservation. These values are at the meter.

Col. (11) represents the annual average of the twelve monthly values.

Col. (16) = Schedule 2.1 Col. (4) + Schedule 2.1 Col. (7) + Col. (10) + Col. (13) + Col. (14) + Col. (15).

(1)	(17)	(18)	(19)	(20)	(21)
Year	Sales for Resale <u>GWh</u>	Utility Use & Losses <u>GWh</u>	Net Energy For Load <u>GWh</u>	Average No. of Other <u>Customers</u>	Total Average Number of <u>Customers</u>
2011	2,558	7,614	124,539	4,160	4,979,454
2012	2,576	6,999	122,463	4,217	5,010,890
2013	2,489	7,315	123,207	4,301	5,064,632
2014	5,707	6,833	128,004	4,393	5,151,199
2015	6,940	6,906	134,752	4,517	5,222,938
2016	6,953	5,951	133,649	4,603	5,293,419
2017	6,724	6,056	132,460	4,674	5,360,936
2018	7,091	6,227	134,504	4,923	5,426,012
2019	7,571	6,331	136,910	5,357	5,526,409

**Historical Values (2010 - 2019):**

Col. (19) represents actual energy sales including the impacts of existing conservation.

Col. (19) = Schedule 2.2 Col. (16) + Col. (17) + Col. (18). Historical NEL includes the impacts of existing conservation and agrees to Col. (5) on schedule 3.3.

Col. (20) represents the annual average of the twelve monthly values.

**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
2010	24,366	507	23,859	0	990	1,360	815	950	22,561
2011	23,813	516	23,297	0	1,000	1,467	821	978	21,992
2012	23,556	507	23,049	0	1,013	1,557	833	1,022	21,710
2013	23,606	470	23,136	0	1,025	1,645	833	1,059	21,748
2014	25,117	1,230	23,887	0	1,010	1,737	843	1,090	23,264
2015	25,361	1,381	23,980	0	878	1,779	826	1,104	23,657
2016	26,044	1,443	24,601	0	882	1,809	836	1,119	24,326
2017	25,662	1,467	24,194	0	910	1,826	825	1,135	23,927
2018	25,411	1,418	23,993	0	866	1,839	866	1,149	23,679
2019	26,594	1,367	25,227	0	852	1,848	879	1,159	24,863

**Historical Values (2010 - 2019):**

Col. (2) and Col. (3) 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. Col. (2) represents the actual Net Firm Demand.

Col. (5) through Col. (9) represent actual DSM capabilities and represent annual (12-month) values.

Col.(6) values for 2015-on reflect a hardware communications issue identified in 2015 that was subsequently resolved. A number of participating customers did not respond to FPL's efforts to reach them or refused access to correct the equipment problem at their home. As a result, these customers were removed from the program.

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**  
**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
2010	26,899	599	26,300	0	895	977	721	445	25,283
2011	23,220	472	22,748	0	903	1015	723	461	21,595
2012	20,049	452	19,597	0	856	1072	722	478	18,471
2013	17,413	438	16,975	0	843	1121	567	495	16,003
2014	19,504	975	18,529	0	828	1161	590	510	18,087
2015	21,961	1,403	20,558	0	822	1204	551	522	20,588
2016	19,533	1,167	18,366	0	742	1232	570	528	18,221
2017	19,320	1,187	18,133	0	759	1238	577	541	17,984
2018	21,533	1,332	20,201	0	750	1244	588	547	20,194
2019	19,701	1,498	18,203	0	706	1248	613	557	18,382

**Historical Values (2010 - 2019):**

Col. (2) and Col. (3) 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. Col. (2) represents the actual Net Firm Demand. For year 2011, the actual winter peak occurred in December of 2010.

Col. (5) through Col. (9) represent actual DSM capabilities and represent annual (12-month) values.

Col.(6) values for 2015-on reflect a hardware communications issue identified in 2015 that was subsequently resolved. A number of participating customers did not respond to FPL's efforts to reach them or refused access to correct the equipment problem at their home. As a result, these customers were removed from the program.

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 3.3**  
**History of Annual Net Energy for Load (GWh)**  
**(All values are "at the generator" values except for Col (8))**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<u>Year</u>	Net Energy For Load without DSM	Residential Conservation	C/I Conservation	Actual Net Energy For Load	Sales for Resale	Utility Use & Losses	Actual Total Retail Sales (GWh)	Load Factor(%)
	<u>GWh</u>	<u>GWh</u>	<u>GWh</u>	<u>GWh</u>	<u>GWh</u>	<u>GWh</u>	<u>Sales (GWh)</u>	<u>Factor(%)</u>
2010	132,477	2,874	2,609	126,993	2,457	8,620	115,916	53.9%
2011	130,324	3,100	2,685	124,539	2,558	7,614	114,368	59.7%
2012	128,536	3,305	2,768	122,463	2,576	6,999	112,888	59.2%
2013	129,589	3,513	2,869	123,207	2,489	7,315	113,404	59.6%
2014	134,669	3,720	2,945	128,004	5,707	6,833	115,464	58.2%
2015	141,611	3,862	2,997	134,752	6,940	6,906	120,906	60.7%
2016	140,578	3,891	3,038	133,649	6,953	5,951	120,744	58.4%
2017	139,469	3,920	3,088	132,462	6,724	6,058	119,680	58.9%
2018	141,604	3,947	3,153	134,504	7,091	6,227	121,186	60.4%
2019	144,068	3,972	3,186	136,910	7,571	6,331	123,008	58.8%

**Historical Values (2010 - 2019):**

Col. (2) represents derived NEL not including conservation using the formula: Col. (2) = Col. (3) + Col. (4) + Col. (5)

Col. (3) & Col. (4) are annual (12-month) DSM values and represent total GWh reductions experienced each year.

Col. (8) is the Total Retail Sales calculated using the formula: Col. (8) = Col. (5) - Col. (6) - Col. (7). These values are at the meter.

Col. (9) is calculated using Col. (5) from this page and the greater of Col. (2) from Schedules 3.1 and 3.2 using the formula:

Col. (9) = ((Col. (5)\*1000) / ((Col. (2) \* 8760)). Adjustments are made for leap years.

QUESTION:

Please provide integrated historical annual retail energy sales data (Years 2000-2009) for FPL and GULF.

RESPONSE:

<u>Year</u>	<u>Sales to Ultimate Consumers GWh</u>
2000	98,071
2001	100,385
2002	106,295
2003	110,381
2004	110,141
2005	113,535
2006	115,088
2007	116,936
2008	114,462
2009	113,658

Until the planned January 1, 2022 integration, FPL and Gulf Power have and will continue to operate in separate systems; therefore, no actual historical data are available for the planned combined system. For purposes of responding to Staff's request, hypothetical historical data for the planned combined system were approximated by combining the actual historical data for FPL and Gulf Power.



**QUESTION:**

As a reference, please provide an integrated forecast of FPL and Gulf's annual retail energy sales for the period 2020-2021.

**RESPONSE:**

<b><u>Year</u></b>	<b><u>Sales to Ultimate Consumers GWh</u></b>
2020	121,809
2021	122,686

Until the planned January 1, 2022 integration, FPL and Gulf Power have and will continue to operate with separate electric systems. For purposes of responding to Staff's request, the sales forecasts for the planned combined system were approximated by combining the forecasts for FPL and Gulf Power.