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October 23, 2017

**VIA ELECTRONIC FILING**

Ms. Carlotta S. Stauffer  
Commission Clerk  
Florida Public Service Commission  
Betty Easley Conference Center  
2540 Shumard Oak Boulevard, Room 110  
Tallahassee, FL 32399-0850

Re: Docket No. 20170212-EI  
FPL's Responses to Staff's First Data Request

Dear Ms. Stauffer:

Enclosed are Florida Power & Light Company's responses to Staff's First Data Request (Nos. 1-5) in Docket No. 20170212-EI.

Please contact me if you or your Staff has any questions regarding this filing.

Sincerely,

s/ Maria J. Moncada  
Maria J. Moncada

Enclosures  
cc: Riley Doherty

:6242976

**QUESTION:**

As stated in section 7, of the Petition, "FPL has 42 projects completed, under construction, or ready for construction." Please list the projects and the associated size of each project in kW and energy produced in kWh.

**RESPONSE:**

Please see Attachment No. 1 to this data request.

**Florida Power & Light Company**  
**Docket No. 20170212-EI**  
**Staff's First Set of Data Requests**  
**Data Request No. 1**  
**Attachment No. 1**  
**Page 1 of 1**

Site	City	County	Project Status	Commercial Operations Date	Total Capacity (kW <sub>DC</sub> )	Program as of 8/31/2017 Metered Energy (kWh)
Broward Young at Arts	Davie	Broward	Complete	2016	100.0	30,798
Palm Beach Zoo	West Palm Beach	Palm Beach	Complete	2016	100.0	100,503
Palmetto Estuary Park	Palmetto	Manatee	Complete	2016	50.0	61,429
				<b>2016 Total</b>	<b>250.0</b>	<b>192,730</b>
Brevard Zoo	Melbourne	Brevard	Complete	2017	10.2	2,405
Oceanfront Park Beach Phase <sup>1</sup>	Boynton Beach	Palm Beach	Complete	2017	6.8	0
Babcock Ranch (Trees)	Babcock Ranch	Charlotte	Complete	2017	11.9	731
Palm Bay City Hall / Police HQ	Palm Bay	Brevard	Complete	2017	5.1	659
DeSoto County Administration Building	Arcadia	Desoto	In Construction	2017	6.8	
Frost Museum	Miami	Dade	In Construction	2017	6.8	
CSE Canopy Demo	West Palm Beach	Palm Beach	In Construction	2017	20.2	
Tropical Park	Unincorporated	Dade	In Construction	2017	5.1	
Babcock Ranch (Rooftop)	Babcock Ranch	Charlotte	In Construction	2017	110.7	
Zoo Miami (trees)	Unincorporated	Dade	In Construction	2017	8.5	
Naples Zoo at Caribbean Gardens	Naples	Collier	In Construction	2017	205.8	
Port Canaveral - Jetty Park	Port Canaveral	Brevard	In Construction	2017	6.8	
Port Canaveral - Exploratory Tower	Port Canaveral	Brevard	In Construction	2017	5.1	
Ft Mellon Park	Sanford	Sanford	In Construction	2017	6.8	
Laishley Park	Punta Gorda	Charlotte	In Construction	2017	56.0	
Imaginarium Science Center	Fort Myers	Lee	In Construction	2017	62.2	
Baileys Brother Park	Punta Gorda	Charlotte	In Construction	2017	7.6	
Hector House Plaza	Punta Gorda	Charlotte	In Construction	2017	4.2	
Punta Gorda City Hall	Punta Gorda	Charlotte	In Construction	2017	46.0	
Stars Recreation Center	Fort Myers	Lee	Ready for Construction	2017	56.0	
Barrier Free Park	Boynton Beach	Palm Beach	Ready for Construction	2017	50.4	
Roberto Clemente Park	Fort Myers	Lee	Ready for Construction	2017	6.8	
Centennial Park	Fort Myers	Lee	Ready for Construction	2017	5.1	
LaBelle High School	LaBelle	Hendry	Ready for Construction	2017	6.8	
Riverfront Memorial Park	South Daytona	Volusia	Ready for Construction	2017	6.8	
Reed Canal Park	South Daytona	Volusia	Ready for Construction	2017	6.8	
Ann Dever Park	Englewood	Charlotte	Ready for Construction	2017	6.8	
				<b>2017 Total</b>	<b>738.1</b>	<b>3,795</b>
Oceanfront Park Beach Phase 2	Boynton Beach	Palm Beach	Ready for Construction	2018	199.9	
Kiwanis Youth Park	Stuart	Martin	Ready for Construction	2018	178.1	
Brightline - Ft Lauderdale Station	Ft Lauderdale	Broward	Ready for Construction	2018	6.8	
Brightline - West Palm Station	West Palm Beach	Palm Beach	Ready for Construction	2018	6.8	
Jessica Clinton Park	Port Saint Lucie	St. Lucie	Ready for Construction	2018	100.0	
Charnow Park	Hollywood	Broward	Ready for Construction	2018	5.1	
Rotary Park	Hollywood	Broward	Ready for Construction	2018	1.7	
Museum of Discovery & Science (trees)	Ft Lauderdale	Broward	Ready for Construction	2018	3.4	
Girl Scouts Camp Honi Hanta	Bradenton	Manatee	Ready for Construction	2018	3.4	
Train Depot	Fort Myers	Lee	Ready for Construction	2018	10.2	
Barracuda Bay Park	Riviera Beach	Palm Beach	Ready for Construction	2018	7.0	
North Collier	Naples	Collier	Ready for Construction	2018	242.0	
				<b>2018 Total</b>	<b>764.4</b>	<b>0</b>
				<b>Grand Total</b>	<b>1,752.5</b>	<b>196,525</b>

1.) Oceanfront Park Beach Phase I construction and interconnection were completed in late August and equipment was damaged during hurricane Irma, until repairs are completed no generation is reporting.

**QUESTION:**

Please discuss and show that revenues received under the VSP Rider support the revenue requirement associated with the completed projects.

**RESPONSE:**

Please see Attachment No. 1 to this data request.

VSP PROGRAM REVENUE REQUIREMENT - PILOT PERIOD				
	<i>Actual</i>	<i>Actual</i>	<i>Estimated<sup>(1)</sup></i>	
	<u>2015</u>	<u>2016</u>	<u>2017</u>	
Participant Contribution (\$/month)	\$9.00	\$9.00	\$9.00	
Number of Participants at Year End	2,397	12,651	29,599	
Cumulative Capacity (kW)	0	250	988	
M&C and G&A as % of total revenues <sup>(2)</sup>	11%	20%	20%	
<b>In Thousands (000)</b>				
<b><u>Retail Base Impact:</u></b>				
<u>Operating Costs</u>				
A. Depreciation	\$287	\$144	\$324	\$755
B. O&M (Maintenance, Marketing, G&A)	\$76	\$164	\$485	\$724
C. Other (Property taxes, Insurance, Taxes Other Than Income Taxes)	\$2	(\$11)	\$0	(\$8)
<u>Capital Costs</u>				
D. VSP Program Average Rate Base <sup>(3)</sup>	\$445	\$1,528	\$6,235	
E. Pre Tax Rate of Return <sup>(4)</sup>	12.37%	11.68%	11.42%	
F. Debt & Equity Return on Rate Base	D * E	\$55	\$179	\$712
				\$945
G. Retail Base Revenue Requirements	A + B + C + F	\$420	\$475	\$1,521
				\$2,416
H. Voluntary Customer Contribution		\$708	\$793	\$2,436
				\$3,938
I. Net Retail Base Revenue Requirements	G - H	(\$288)	(\$318)	(\$915)
				(\$1,521)
<b><u>Retail Clause Impact:</u></b>				
J. System Fuel & Emissions Savings <sup>(5)</sup>		\$0	\$2	\$9
				\$11
<b><u>Net Impact:</u></b>				
K. Net Impact to All Customers	I - J	(\$288)	(\$320)	(\$925)
				(\$1,532)

(1) Amounts reflect actuals through August 2017 and forecast data for September -December 2017.

(2) Includes marketing, communication, and program administration costs.

(3) Represents the average of the beginning and ending totals of the following: net plant in service, CWIP, and estimated accumulated deferred income taxes.

(4) 2015 and 2016 are based on the amounts reflected on FPL's December ESR at the mid-point ROE of 10.5%, while 2017 is based on Exhibit KO-20 filed in FPL's most recent base rate filing with an ROE of 10.55% as approved in Docket No. 160021-EI, Order No. PSC-16-0560-AS-EI.

(5) Amount calculated using fuel factor equivalent to an annual average of FPL's Cogen Monthly Average Avoided Energy Costs in the year site was placed in service, as filed with the Commission in FPL's Hourly Avoided Energy Cost Report in Dockets 160000-OT and 20170000-OT.

**QUESTION:**

Please state whether solar facilities provide \$0.05 per kWh of fuel savings, as calculated in Docket 140070-EI.

**RESPONSE:**

FPL interprets this request to be asking about current fuel and emissions savings. At the time of Docket 140070-EI the projected fuel and emission cost savings of approximately \$0.05 per kWh was calculated based on the difference between fuel and emissions costs with and without a 100 MW solar facility (a substantial solar facility was assumed in order to calculate a measurable difference in projected fuel and emission costs) multiplied by total annual production. The projected fuel and emission savings is a function of fuel forecasts, load forecasts and other input assumptions. As these input assumptions change, the fuel and emission cost savings will change accordingly. The solar facilities constructed under the VSP Program (operational in 2016 and 2017) have not provided \$0.05 kWh of savings as fuel prices have decreased since the time FPL filed its petition in Docket 140070-EI.

**QUESTION:**

Please discuss how long customers typically stay on the VSP Rider (since the term of service is one month).

**RESPONSE:**

The SolarNow program has seen consistent enrollment growth over the period of May 1, 2015 through August 31, 2017, and on average the monthly new enrollments have more than offset the number of participants who have elected to unsubscribe. As of August 31, 2017, approximately 27,800 FPL accounts have at one time or another participated in this voluntary community solar program, of which 85% were still enrolled as of the reporting period end date with an average enrollment duration of 8.3 months. The remaining 15% of the participating accounts have unsubscribed from the program and this group has an average enrollment duration of 4.1 months.

**QUESTION:**

Please complete the table below.

Month	Participants			Total Participants	Total participant revenues
	Residential	Commercial	Industrial		
May-15					
Jun-15					
Jul-15					
Aug-15					
Sep-15					
Oct-15					
Nov-15					
Dec-15					
Jan-16					
Feb-16					
Mar-16					
Apr-16					
May-16					
Jun-16					
Jul-16					
Aug-16					
Sep-16					
Oct-16					
Nov-16					
Dec-16					
Jan-17					
Feb-17					
Mar-17					
Apr-17					
May-17					
Jun-17					
Jul-17					
Aug-17				22,705	

**RESPONSE:**

Please see Attachment No. 1 to this data request.

Col 1	Col 2	Col 3	Col 4	Col 5	Col 6
Month	Participants				Total Participant Revenue <sup>1</sup>
	Residential	Commercial	Industrial	Total Participants (Col 2 + Col 3 + Col 4)	
May-15	155	1	0	156	\$1,251
Jun-15	412	2	0	414	\$3,456
Jul-15	672	5	0	677	\$6,264
Aug-15	911	9	0	920	\$9,117
Sep-15	1,057	11	0	1,068	\$11,430
Oct-15	1,443	15	0	1,458	\$13,950
Nov-15	1,664	19	0	1,683	\$18,144
Dec-15	1,963	19	0	1,982	\$21,573
Jan-16	2,054	21	0	2,075	\$23,337
Feb-16	2,395	22	0	2,417	\$25,812
Mar-16	2,532	22	0	2,554	\$28,818
Apr-16	2,709	25	0	2,734	\$29,655
May-16	3,043	27	0	3,070	\$31,419
Jun-16	3,277	40	0	3,317	\$36,036
Jul-16	7,980	42	0	8,022	\$51,516
Aug-16	7,792	42	0	7,834	\$91,116
Sep-16	7,775	43	0	7,818	\$87,597
Oct-16	7,661	43	0	7,704	\$85,113
Nov-16	9,702	43	0	9,745	\$103,698
Dec-16	11,951	43	0	11,994	\$113,859
Jan-17	14,406	43	0	14,449	\$139,131
Feb-17	17,178	43	0	17,221	\$157,671
Mar-17	18,073	42	0	18,115	\$176,904
Apr-17	18,268	75	0	18,343	\$179,991
May-17	19,226	83	0	19,309	\$178,497
Jun-17	19,577	88	0	19,665	\$183,456
Jul-17	21,421	89	0	21,510	\$181,899
Aug-17	23,751	88	0	23,839	\$204,345

1.) As of August 2017, the "Total Participant Revenue" of \$204,345 reported in Column 6 represents 22,705 participants (\$204,345 divided by \$9.00 per participant per month). This calculated enrollment value is lower than the "Total Participants" reported in Column 5 for August 2017, due to billing lag and bill credits that may have been issued during the period.