

EXHIBIT NO. 105

DOCKET NO: 170001-EI

WITNESS:

PARTY:

BRIEF TITLE OR DESCRIPTION OF THE DOCUMENT:

FPL Solar Plant Operation Status Report for September 2017

PROFFERED BY: FIPUG



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October 20, 2017

**-VIA ELECTRONIC FILING-**

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

**Re: Docket No. 20170007-EI Environmental Cost Recovery Clause**

Dear Ms. Stauffer:

I enclose for electronic filing in the above docket; Florida Power & Light Company's ("FPL") Solar Plant Operation Status Report for the month of September 2017, in accordance with Stipulation III.F. that was approved in Order No. PSC-11-0083-FOF-EI, Docket No. 100007-EI, dated January 31, 2011.

If there are any questions regarding this filing, please contact me at 561-304-5639.

Sincerely,

*s/ John T. Butler*  
John T. Butler

Enclosures

cc: Counsel for Parties of Record (w/encl.)

**CERTIFICATE OF SERVICE**  
**Docket No. 20170007-EI**

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by electronic service on this 20th day of October 2017, to the following:

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By: s/ John T. Butler  
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Florida Power & Light Company  
 Actual Data for Next Generation Solar Centers  
 Environmental Cost Recovery Clause  
 Period of: September 2017

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	12,545	(52)	(17)	(310)
2	11,692	(52)	(17)	(292)
3	11,105	(52)	(17)	(317)
4	10,732	(52)	(18)	(315)
5	10,600	(52)	(18)	(325)
6	10,823	(51)	(19)	(352)
7	11,373	(52)	(20)	(356)
8	11,690	687	282	(392)
9	12,588	7,811	1,535	(493)
10	14,002	12,802	3,045	327
11	15,348	14,365	4,383	2,604
12	16,549	13,656	4,565	4,482
13	17,496	13,865	4,771	5,489
14	18,158	13,253	5,372	5,209
15	18,544	12,975	4,983	7,752
16	18,682	12,937	3,806	8,535
17	18,619	11,808	3,810	8,818
18	18,268	8,771	1,938	7,546
19	17,638	3,310	528	9,331
20	17,195	139	7	4,007
21	16,819	(60)	(25)	(168)
22	15,873	(54)	(19)	(241)
23	14,744	(53)	(16)	(256)
24	13,542	(53)	(16)	(259)

Florida Power & Light Company  
Actual Data for Next Generation Solar Centers  
Environmental Cost Recovery Clause  
Period of: September 2017

	Net Capability (MW)	<sup>(1)</sup> Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	<sup>(2)</sup> Total System Net Generation (MWh)	
1	DESOTO	25	3,774	21.0%	0.04%	10,482,307
2	SPACE COAST	10	1,165	16.2%	0.01%	
3	MARTIN SOLAR	75	1,801	3.3%	0.02%	
4	Total	110	6,739	8.5%	0.06%	

	Natural Gas Displaced (MCF)	<sup>(2)</sup> Cost of NG (\$/MCF)	Oil Displaced (Bbls)	<sup>(2)</sup> Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	<sup>(3)</sup> Cost of Coal (\$/Ton)	
5	DESOTO	27,106	\$4.50	62	\$74.96	536	\$79.94
6	SPACE COAST	8,707	\$4.50	27	\$74.96	155	\$79.94
7	MARTIN SOLAR	16,950	\$4.50	21	\$74.96	139	\$79.94
8	Total	52,762	\$237,326	110	\$8,221	830	\$66,338

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	2,831	2.8	0.7	0.01
10	SPACE COAST	874	0.8	0.2	0.00
11	MARTIN SOLAR	1,314	1.0	0.2	0.00
12	Total	5,019	4.6	1.2	0.02

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$21,617	\$956,822	\$431,990	(\$148,208)	\$0	\$1,262,220
14	SPACE COAST	\$10,880	\$443,363	\$195,649	(\$62,871)	\$0	\$587,021
15	MARTIN SOLAR	\$218,439	\$2,844,367	\$1,022,286	(\$402,196)	\$0	\$3,682,896
16	Total	\$250,936	\$4,244,552	\$1,649,925	(\$613,275)	\$0	\$5,532,137

- (1) Net Generation data represents a calendar month.  
(2) Total System Net Generation from Schedule A3. Fuel Cost per unit data from Schedule A3.  
(3) Fuel Cost per unit data from Schedule A4.  
(4) Carrying Cost data represents return on average net investment.  
(5) Capital Cost data represents depreciation expense on net investment.  
(6) Other Cost data represents dismantlement costs and amortization on ITC.

Florida Power & Light Company  
 Actual Data for Next Generation Solar Centers  
 Environmental Cost Recovery Clause  
 Period of: Year-to-Date (January - September) 2017

	Net Capability (MW)	<sup>(1)</sup> Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	<sup>(2)</sup> Total System Net Generation (MWh)
1 DESOTO	25	38,674	23.6%	0.04%	91,819,036
2 SPACE COAST	10	13,767	21.0%	0.01%	
3 MARTIN SOLAR	75	8,199	1.7%	0.01%	
4 Total	110	60,640	8.4%	0.07%	

	Natural Gas Displaced (MCF)	<sup>(2)</sup> Cost of NG (\$/MCF)	Oil Displaced (Bbls)	<sup>(2)</sup> Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	<sup>(3)</sup> Cost of Coal (\$/Ton)
5 DESOTO	245,199	\$4.32	1,181	\$77.50	5,519	\$73.90
6 SPACE COAST	86,805	\$4.32	459	\$77.50	1,997	\$73.90
7 MARTIN SOLAR	79,987	\$4.32	664	\$77.50	247	\$73.90
8 Total	411,992	\$1,777,936	2,303	\$178,497	7,762	\$573,619

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)
9 DESOTO	26,332	24.5	13.7	0.14
10 SPACE COAST	9,736	9.1	5.3	0.05
11 MARTIN SOLAR	2,098	1.4	0.5	0.00
12 Total	38,165	35.0	19.6	0.20

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
13 DESOTO	\$413,038	\$8,732,852	\$3,888,836	(\$1,333,872)	\$0	\$11,700,854
14 SPACE COAST	\$118,902	\$4,044,971	\$1,763,077	(\$565,839)	\$0	\$5,361,110
15 MARTIN SOLAR	\$3,693,830	\$25,851,795	\$9,184,654	(\$3,619,764)	\$0	\$35,110,515
16 Total	\$4,225,770	\$38,629,618	\$14,836,566	(\$5,519,475)	\$0	\$52,172,479

- (1) Net Generation data represents a calendar month.
- (2) Total System Net Generation from Schedule A3. Fuel Cost per unit data from Schedule A3.
- (3) Fuel Cost per unit data from Schedule A4.
- (4) Carrying Cost data represents return on average net investment.
- (5) Capital Cost data represents depreciation expense on net investment.
- (6) Other Cost data represents dismantlement costs and amortization on ITC.