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November 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 October 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 November 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: October 2017

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	11,892	(54)	(18)	(184)
2	11,134	(54)	(18)	(221)
3	10,638	(54)	(18)	(259)
4	10,340	(54)	(18)	(268)
5	10,310	(54)	(19)	(283)
6	10,733	(54)	(19)	(293)
7	11,592	(55)	(19)	(292)
8	12,117	164	43	(299)
9	12,819	6,644	1,373	(545)
10	14,038	12,070	3,246	(704)
11	15,124	13,758	4,738	789
12	15,990	13,655	5,923	1,736
13	16,617	13,284	6,691	2,506
14	17,079	13,420	6,610	2,956
15	17,346	13,269	5,764	4,217
16	17,483	11,416	5,124	5,509
17	17,421	8,926	3,658	5,878
18	17,077	6,243	1,909	6,602
19	16,572	1,111	222	3,121
20	16,557	(73)	(31)	(51)
21	15,998	(58)	(24)	(172)
22	15,111	(55)	(20)	(181)
23	14,033	(55)	(19)	(193)
24	12,774	(54)	(19)	(210)

Florida Power & Light Company  
Actual Data for Next Generation Solar Centers  
Environmental Cost Recovery Clause  
Period of: October 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	3,512	18.9%	0.03%	10,446,555
2	SPACE COAST	10	1,397	18.8%	0.01%	
3	MARTIN SOLAR	75	904	1.6%	0.01%	
4	Total	110	5,813	7.1%	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	18,672	\$4.34	254	\$80.04	641	\$77.82
6	SPACE COAST	7,430	\$4.34	128	\$80.04	257	\$77.82
7	MARTIN SOLAR	5,820	\$4.34	163	\$80.04	57	\$77.82
8	Total	31,923	\$138,611	546	\$43,719	955	\$74,290

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	2,648	3.0	1.0	0.02
10	SPACE COAST	1,067	1.2	0.4	0.01
11	MARTIN SOLAR	552	0.5	0.3	0.00
12	Total	4,267	4.7	1.7	0.03

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$37,319	\$953,076	\$431,984	(\$148,208)	\$0	\$1,274,171
14	SPACE COAST	\$35,970	\$441,694	\$195,649	(\$62,871)	\$0	\$610,441
15	MARTIN SOLAR	\$365,331	\$2,835,929	\$1,022,289	(\$402,196)	\$0	\$3,821,353
16	Total	\$438,619	\$4,230,699	\$1,649,922	(\$613,275)	\$0	\$5,705,965

- (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 - October) 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	42,186	23.1%	0.04%	102,265,591
2	SPACE COAST	10	15,164	20.8%	0.01%	
3	MARTIN SOLAR	75	9,103	1.7%	0.01%	
4	Total	110	66,453	8.3%	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	263,871	\$4.32	1,435	\$77.99	6,160	\$74.33
6	SPACE COAST	94,236	\$4.32	587	\$77.99	2,253	\$74.33
7	MARTIN SOLAR	85,808	\$4.32	827	\$77.99	304	\$74.33
8	Total	443,915	\$1,916,547	2,849	\$222,216	8,717	\$647,909

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	28,979	27.5	14.7	0.16
10	SPACE COAST	10,803	10.3	5.8	0.06
11	MARTIN SOLAR	2,649	1.9	0.8	0.00
12	Total	42,432	39.7	21.3	0.23

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$450,357	\$9,685,928	\$4,320,820	(\$1,482,080)	\$0	\$12,975,024
14	SPACE COAST	\$154,872	\$4,486,664	\$1,958,725	(\$628,710)	\$0	\$5,971,552
15	MARTIN SOLAR	\$4,059,160	\$28,687,725	\$10,206,943	(\$4,021,960)	\$0	\$38,931,867
16	Total	\$4,664,389	\$42,860,317	\$16,486,488	(\$6,132,750)	\$0	\$57,878,444

- (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.