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August 21, 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 July 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 561-304-5226.

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 21st day of August 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: July 2017

		Average Hourly Net Output (kWh)			
Hour of Day	System Firm Demand (MW)	DESOTO	SPACE COAST	MARTIN SOLAR	
1	1	13,910	(57)	(18)	111
2	2	12,978	(57)	(18)	98
3	3	12,320	(57)	(18)	71
4	4	11,919	(56)	(18)	53
5	5	11,761	(55)	(18)	48
6	6	11,947	(56)	(18)	53
7	7	12,376	(52)	(13)	219
8	8	12,997	4,589	436	473
9	9	14,429	12,489	1,753	838
10	10	16,102	15,710	3,617	1,220
11	11	17,673	16,070	5,241	1,854
12	12	18,965	15,754	6,266	2,660
13	13	19,812	14,950	6,340	2,831
14	14	20,355	14,304	6,040	2,027
15	15	20,593	13,702	6,032	1,922
16	16	20,595	12,142	4,885	1,886
17	17	20,472	10,826	3,593	1,554
18	18	20,154	7,262	2,553	1,288
19	19	19,574	4,882	1,190	1,000
20	20	18,748	1,579	300	896
21	21	18,216	(24)	(23)	320
22	22	17,562	(62)	(24)	330
23	23	16,409	(59)	(20)	317
24	24	15,080	(58)	(18)	312

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

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	4,454	23.9%	0.04%	12,035,477
2	SPACE COAST	10	1,489	20.0%	0.01%	
3	MARTIN SOLAR	75	694	1.2%	0.01%	
4	Total	110	6,637	8.1%	0.06%	

	Natural Gas Displaced (MCF)	⁽²⁾ Cost of NG (\$/MCF)	Oil Displaced (Bbls)	⁽²⁾ Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	⁽³⁾ Cost of Coal (\$/Ton)	
5	DESOTO	38,570	\$4.37	78	\$74.69	381	\$76.71
6	SPACE COAST	13,805	\$4.37	30	\$74.69	105	\$76.71
7	MARTIN SOLAR	6,415	\$4.37	19	\$74.69	49	\$76.71
8	Total	58,791	\$256,751	126	\$9,430	535	\$41,031

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	2,931	2.0	1.2	0.01
10	SPACE COAST	1,137	0.8	0.5	0.00
11	MARTIN SOLAR	(77)	(0.1)	0.0	0.00
12	Total	3,991	2.7	1.7	0.02

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$28,317	\$964,288	\$431,993	(\$148,208)	\$0	\$1,276,389
14	SPACE COAST	\$19,961	\$446,702	\$195,649	(\$62,871)	\$0	\$599,441
15	MARTIN SOLAR	\$867,537	\$2,862,337	\$1,022,318	(\$402,196)	\$0	\$4,349,996
16	Total	\$915,815	\$4,273,326	\$1,649,960	(\$613,275)	\$0	\$6,225,826

- (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 - July) 2017

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1	DESOTO	25	30,369	23.9%	69,142,415
2	SPACE COAST	10	11,076	21.8%	
3	MARTIN SOLAR	75	2,272	0.6%	
4	Total	110	43,717	7.8%	

	Natural Gas Displaced (MCF)	⁽²⁾ Cost of NG (\$/MCF)	Oil Displaced (Bbls)	⁽²⁾ Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	⁽³⁾ Cost of Coal (\$/Ton)	
5	DESOTO	184,996	\$4.27	740	\$75.81	4,477	\$73.23
6	SPACE COAST	66,271	\$4.27	280	\$75.81	1,698	\$73.23
7	MARTIN SOLAR	22,095	\$4.27	231	\$75.81	14	\$73.23
8	Total	273,362	\$1,166,503	1,251	\$94,812	6,189	\$453,257

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	20,570	19.7	11.8	0.12
10	SPACE COAST	7,725	7.5	4.6	0.05
11	MARTIN SOLAR	860	0.5	0.4	0.00
12	Total	29,155	27.7	16.7	0.16

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$342,943	\$6,815,476	\$3,024,855	(\$1,037,456)	\$0	\$9,145,817
14	SPACE COAST	\$81,473	\$3,156,575	\$1,371,779	(\$440,097)	\$0	\$4,169,730
15	MARTIN SOLAR	\$3,057,341	\$20,154,597	\$7,140,054	(\$2,815,372)	\$0	\$27,536,620
16	Total	\$3,481,757	\$30,126,648	\$11,536,687	(\$4,292,925)	\$0	\$40,852,167

- (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.