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June 20, 2017

-VIA ELECTRONIC FILING -

Ms. Carlotta S. Stauffer
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

Re: Docket No. 170007-EI

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 May 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.

Also enclosed is a revised Solar Plant Operation Status Report for April 2017 to include Gas Transportation Charges in the cost of natural gas displaced by solar output.

If there are any questions regarding this transmittal, please contact me at (561) 304-5795.

Sincerely,

s/ Maria J. Moncada

Maria J. Moncada

Enclosures

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

CERTIFICATE OF SERVICE
Docket No. 170007-EI

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

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By: s/ Maria J. Moncada
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Florida Power & Light Company
 Actual Data for Next Generation Solar Centers
 Environmental Cost Recovery Clause
 Period of: April 2017

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	10,862	(52)	(18)	(175)
2	9,987	(51)	(17)	(172)
3	9,436	(51)	(17)	(172)
4	9,115	(51)	(17)	(173)
5	9,061	(50)	(17)	(173)
6	9,432	(51)	(17)	(171)
7	10,280	(52)	(17)	(168)
8	10,906	1,928	362	(191)
9	11,844	11,782	2,028	(216)
10	13,020	16,247	4,271	(214)
11	14,083	16,796	5,985	(206)
12	14,904	17,456	7,346	(211)
13	15,568	17,741	8,083	(208)
14	16,139	16,294	8,502	(208)
15	16,545	16,295	8,348	(209)
16	16,859	15,117	6,905	(208)
17	17,004	13,405	5,475	(205)
18	16,862	12,904	3,589	(200)
19	16,358	8,998	1,398	(199)
20	15,716	1,189	142	(200)
21	15,645	(68)	(30)	(185)
22	14,828	(55)	(21)	(184)
23	13,607	(53)	(18)	(181)
24	12,167	(52)	(18)	(180)

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

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1 DESOTO	25	4,967	27.6%	0.05%	9,437,835
2 SPACE COAST	10	1,867	25.9%	0.02%	
3 MARTIN SOLAR	75	(138)	-0.3%	0.00%	
4 Total	110	6,695	8.5%	0.07%	

	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	12,843	\$4.17	214	\$79.39	1,591	\$80.21
6 SPACE COAST	4,543	\$4.17	76	\$79.39	616	\$80.21
7 MARTIN SOLAR	(464)	\$4.17	(2)	\$79.39	(38)	\$80.21
8 Total	16,922	\$70,629	287	\$22,811	2,168	\$173,922

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)
9 DESOTO	4,445	6.8	2.1	0.04
10 SPACE COAST	1,690	2.6	0.8	0.02
11 MARTIN SOLAR	(114)	(0.2)	0.0	0.00
12 Total	6,022	9.2	2.8	0.06

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
13 DESOTO	\$32,914	\$973,208	\$432,118	(\$148,208)	\$0	\$1,290,032
14 SPACE COAST	\$8,555	\$450,809	\$196,095	(\$62,871)	\$0	\$592,588
15 MARTIN SOLAR	\$214,141	\$2,879,355	\$1,019,210	(\$402,196)	\$0	\$3,710,510
16 Total	\$255,610	\$4,303,372	\$1,647,422	(\$613,275)	\$0	\$5,593,130

- (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 - April) 2017

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	16,605	23.1%	0.05%	35,472,611
2	SPACE COAST	10	6,476	22.5%	0.02%	
3	MARTIN SOLAR	75	-103	0.0%	0.00%	
4	Total	110	22,978	7.3%	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	74,230	\$4.19	232	\$78.90	3,385	\$72.63
6	SPACE COAST	28,293	\$4.19	85	\$78.90	1,349	\$72.63
7	MARTIN SOLAR	199	\$4.19	-2	\$78.90	-78	\$72.63
8	Total	102,721	\$430,450	314	\$24,814	4,657	\$338,220

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	11,817	13.3	7.7	0.09
10	SPACE COAST	4,626	5.2	3.1	0.03
11	MARTIN SOLAR	-152	-0.2	-0.1	0.00
12	Total	16,292	18.3	10.7	0.12

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$179,736	\$3,915,934	\$1,728,876	(\$592,832)	\$0	\$5,231,715
14	SPACE COAST	\$45,935	\$1,813,259	\$784,609	(\$251,484)	\$0	\$2,392,319
15	MARTIN SOLAR	\$1,418,427	\$11,554,481	\$4,076,196	(\$1,608,784)	\$0	\$15,440,320
16	Total	\$1,644,099	\$17,283,674	\$6,589,682	(\$2,453,100)	\$0	\$23,064,354

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

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	12,371	(54)	(17)	(175)
2	11,408	(54)	(17)	(178)
3	10,761	(54)	(17)	(186)
4	10,353	(53)	(17)	(190)
5	10,211	(53)	(17)	(193)
6	10,512	(53)	(17)	(207)
7	11,223	(29)	3	(220)
8	11,862	4,646	604	(223)
9	13,019	12,919	2,290	(223)
10	14,419	16,235	4,336	95
11	15,766	17,379	6,009	971
12	16,889	17,559	7,145	1,429
13	17,775	18,002	7,448	1,762
14	18,543	18,153	7,561	2,334
15	19,058	17,600	7,301	2,320
16	19,416	17,367	6,422	2,264
17	19,547	15,304	4,928	2,365
18	19,311	11,806	3,205	2,252
19	18,679	9,163	1,447	2,199
20	17,817	1,938	238	1,697
21	17,401	(74)	(30)	512
22	16,532	(58)	(23)	(165)
23	15,237	(55)	(18)	(182)
24	13,727	(54)	(17)	(181)

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

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	5,502	29.6%	0.05%	10,887,805
2	SPACE COAST	10	1,821	24.5%	0.02%	
3	MARTIN SOLAR	75	554	1.0%	0.01%	
4	Total	110	7,877	9.6%	0.07%	

	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	41,858	\$4.22	107	\$74.55	463	\$70.62
6	SPACE COAST	13,934	\$4.22	34	\$74.55	162	\$70.62
7	MARTIN SOLAR	5,663	\$4.22	37	\$74.55	6	\$70.62
8	Total	61,455	\$259,359	178	\$13,280	631	\$44,567

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	3,314	2.5	1.8	0.01
10	SPACE COAST	1,110	0.8	0.6	0.00
11	MARTIN SOLAR	337	0.2	0.1	0.00
12	Total	4,761	3.5	2.5	0.02

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$100,216	\$969,487	\$431,993	(\$148,208)	\$0	\$1,353,488
14	SPACE COAST	\$8,594	\$449,141	\$195,872	(\$62,871)	\$0	\$590,736
15	MARTIN SOLAR	\$247,497	\$2,872,497	\$1,019,983	(\$402,196)	\$0	\$3,737,782
16	Total	\$356,307	\$4,291,125	\$1,647,848	(\$613,275)	\$0	\$5,682,005

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

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1	DESOTO	25	22,107	24.4%	46,360,416
2	SPACE COAST	10	8,298	22.9%	
3	MARTIN SOLAR	75	451	0.2%	
4	Total	110	30,855	7.7%	

	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	116,088	\$4.20	339	\$77.33	3,849	\$72.39
6	SPACE COAST	42,226	\$4.20	120	\$77.33	1,511	\$72.39
7	MARTIN SOLAR	5,862	\$4.20	34	\$77.33	-72	\$72.39
8	Total	164,177	\$689,808	493	\$38,095	5,288	\$382,788

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	15,131	15.8	9.5	0.10
10	SPACE COAST	5,736	6.1	3.7	0.04
11	MARTIN SOLAR	186	0.0	0.0	0.00
12	Total	21,053	21.8	13.2	0.14

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$279,952	\$4,885,422	\$2,160,869	(\$741,040)	\$0	\$6,585,202
14	SPACE COAST	\$54,530	\$2,262,400	\$980,481	(\$314,355)	\$0	\$2,983,055
15	MARTIN SOLAR	\$1,665,925	\$14,426,978	\$5,096,179	(\$2,010,980)	\$0	\$19,178,102
16	Total	\$2,000,406	\$21,574,799	\$8,237,529	(\$3,066,375)	\$0	\$28,746,359

- (1) Net Generation data represents a calendar month.
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