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June 20, 2016

**-VIA ELECTRONIC FILING -**

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

**Re: Docket No. 160007-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 2016, 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 transmittal, 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. 160007-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 2016, 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: May 2016

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	11,677	(46)	(18)	(308)
2	10,772	(47)	(18)	(370)
3	10,161	(46)	(17)	(462)
4	9,787	(45)	(17)	(472)
5	9,669	(45)	(17)	(469)
6	9,974	(45)	(16)	(500)
7	10,723	(16)	4	(513)
8	11,349	4,805	613	(588)
9	12,438	12,823	2,334	3,655
10	13,773	16,712	4,509	22,844
11	15,024	17,778	6,195	40,787
12	16,089	18,056	7,183	46,779
13	16,915	17,842	7,664	50,037
14	17,549	16,772	7,244	53,434
15	17,968	17,199	6,761	51,733
16	18,237	16,978	6,138	45,668
17	18,300	15,139	5,138	41,310
18	18,132	13,004	3,173	36,260
19	17,642	9,457	1,495	28,701
20	16,852	2,494	236	22,543
21	16,516	(56)	(27)	9,186
22	15,720	(50)	(24)	1,661
23	14,424	(48)	(20)	(251)
24	12,991	(48)	(19)	(293)

Florida Power & Light Company  
Actual Data for Next Generation Solar Centers  
Environmental Cost Recovery Clause  
Period of: May 2016

	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	5,536	29.8%	0.05%	10,298,665
2	SPACE COAST	10	1,813	24.4%	0.02%	
3	MARTIN SOLAR	75	13,962	25.0%	0.14%	
4	Total	110	21,310	26.0%	0.21%	

	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	29,864	\$3.72	8	\$91.63	1,195	\$61.26
6	SPACE COAST	9,570	\$3.72	2	\$91.63	396	\$61.26
7	MARTIN SOLAR	68,590	\$3.72	25	\$91.63	3,421	\$61.26
8	Total	108,023	\$402,268	35	\$3,219	5,011	\$306,971

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	4,067	3.8	3.3	0.03
10	SPACE COAST	1,331	1.3	1.1	0.01
11	MARTIN SOLAR	10,603	10.0	8.6	0.08
12	Total	16,001	15.1	13.0	0.12

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$48,358	\$1,037,954	\$423,581	(\$154,336)	\$0	\$1,355,556
14	SPACE COAST	\$13,439	\$473,115	\$195,442	(\$64,351)	\$0	\$617,645
15	MARTIN SOLAR	\$262,141	\$2,984,156	\$1,165,673	(\$422,904)	\$0	\$3,989,065
16	Total	\$323,938	\$4,495,224	\$1,784,696	(\$641,591)	\$0	\$5,962,267

- (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 - May) 2016

	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	20,521	22.5%	0.04%	45,891,822
2	SPACE COAST	10	7,924	21.7%	0.02%	
3	MARTIN SOLAR	75	38,900	14.2%	0.08%	
4	Total	110	67,346	16.8%	0.15%	

	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	88,043	\$3.81	328	\$98.77	4,795	\$67.09
6	SPACE COAST	33,339	\$3.81	100	\$98.77	1,868	\$67.09
7	MARTIN SOLAR	170,319	\$3.81	818	\$98.77	9,112	\$67.09
8	Total	291,700	\$1,112,354	1,246	\$123,041	15,775	\$1,058,357

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	14,935	16.3	16.0	0.12
10	SPACE COAST	5,773	6.4	6.4	0.05
11	MARTIN SOLAR	28,973	32.7	32.6	0.23
12	Total	49,681	55.3	55.0	0.39

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$319,302	\$5,212,599	\$2,105,972	(\$771,680)	\$0	\$6,866,193
14	SPACE COAST	\$81,102	\$2,382,253	\$977,211	(\$321,755)	\$0	\$3,118,811
15	MARTIN SOLAR	\$1,603,214	\$15,017,052	\$5,826,479	(\$2,114,520)	\$0	\$20,332,224
16	Total	\$2,003,618	\$22,611,904	\$8,909,662	(\$3,207,955)	\$0	\$30,317,229

- (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.