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January 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 December 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. 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 January 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: December 2016

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	10,151	(45)	(18)	(231)
2	9,402	(45)	(18)	(301)
3	8,973	(44)	(18)	(302)
4	8,749	(44)	(18)	(299)
5	8,760	(45)	(18)	(301)
6	9,191	(46)	(18)	(300)
7	10,054	(47)	(17)	(335)
8	10,694	819	172	(397)
9	11,634	7,647	2,119	(475)
10	12,678	11,592	4,431	1,264
11	13,510	11,937	5,859	4,833
12	14,117	11,085	6,170	7,200
13	14,563	11,421	6,192	9,976
14	14,846	10,469	5,876	13,562
15	14,982	10,666	4,756	14,761
16	14,914	9,300	3,260	14,774
17	14,662	5,453	1,017	13,315
18	14,726	325	20	6,477
19	15,179	(57)	(29)	1,901
20	14,717	(51)	(21)	(83)
21	14,081	(50)	(18)	(176)
22	13,299	(49)	(17)	(180)
23	12,311	(48)	(18)	(184)
24	11,129	(48)	(18)	(183)

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

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	2,793	15.0%	0.03%	9,345,290
2	SPACE COAST	10	1,228	16.5%	0.01%	
3	MARTIN SOLAR	75	2,614	4.7%	0.03%	
4	Total	110	6,635	8.1%	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	15,499	\$4.53	0	\$100.04	263	\$79.23
6	SPACE COAST	6,684	\$4.53	0	\$100.04	123	\$79.23
7	MARTIN SOLAR	15,050	\$4.53	0	\$100.04	193	\$79.23
8	Total	37,233	\$168,641	0	\$0	579	\$45,893

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	1,510	1.4	1.3	0.01
10	SPACE COAST	674	0.6	0.6	0.00
11	MARTIN SOLAR	1,325	1.1	0.9	0.01
12	Total	3,509	3.1	2.8	0.02

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$109,605	\$1,002,521	\$420,751	(\$154,336)	\$0	\$1,378,541
14	SPACE COAST	\$17,434	\$464,216	\$195,405	(\$64,351)	\$0	\$612,705
15	MARTIN SOLAR	\$404,377	\$2,940,562	\$1,165,845	(\$422,904)	\$0	\$4,087,879
16	Total	\$531,416	\$4,407,299	\$1,782,001	(\$641,591)	\$0	\$6,079,124

- (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 - December) 2016

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	48,651	22.2%	0.04%	119,172,826
2	SPACE COAST	10	18,300	20.8%	0.02%	
3	MARTIN SOLAR	75	75,300	11.4%	0.06%	
4	Total	110	142,251	14.7%	0.12%	

	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	260,028	\$3.94	4,574	\$94.57	8,239	\$66.08
6	SPACE COAST	98,689	\$3.94	1,681	\$94.57	3,078	\$66.08
7	MARTIN SOLAR	438,067	\$3.94	5,265	\$94.57	12,699	\$66.08
8	Total	796,784	\$3,139,698	11,520	\$1,089,482	24,016	\$1,587,057

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	34,033	36.5	28.9	0.22
10	SPACE COAST	12,819	13.8	11.0	0.08
11	MARTIN SOLAR	53,415	55.3	43.8	0.32
12	Total	100,267	105.6	83.7	0.62

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$823,742	\$12,345,627	\$5,050,693	(\$1,997,368)	\$0	\$16,222,694
14	SPACE COAST	\$222,470	\$5,664,075	\$2,345,070	(\$772,212)	\$0	\$7,459,404
15	MARTIN SOLAR	\$3,827,083	\$35,756,150	\$13,982,994	(\$5,074,848)	\$0	\$48,491,379
16	Total	\$4,873,295	\$53,765,852	\$21,378,757	(\$7,844,428)	\$0	\$72,173,476

- (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.