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January 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 December 2015, 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 January 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: December 2015

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	10,556	(50)	(18)	(417)
2	9,807	(49)	(18)	(445)
3	9,349	(49)	(18)	(445)
4	9,113	(49)	(18)	(440)
5	9,120	(51)	(18)	(428)
6	9,543	(52)	(18)	(468)
7	10,414	(53)	(17)	(489)
8	11,072	811	148	(511)
9	12,104	6,933	1,803	(575)
10	13,285	10,754	3,785	1,222
11	14,255	11,886	5,051	5,029
12	14,934	11,533	5,625	6,015
13	15,370	11,484	5,865	7,520
14	15,611	11,350	5,191	8,669
15	15,666	11,071	4,420	9,428
16	15,526	8,757	2,870	11,106
17	15,251	5,167	889	10,918
18	15,362	269	26	6,444
19	15,845	(59)	(22)	2,370
20	15,351	(54)	(21)	(178)
21	14,674	(53)	(20)	(325)
22	13,863	(52)	(19)	(348)
23	12,877	(52)	(19)	(360)
24	11,695	(51)	(18)	(383)

Florida Power & Light Company
Actual Data for Next Generation Solar Centers
Environmental Cost Recovery Clause
Period of: December 2015

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	2,770	14.9%	0.03%	9,576,270
2	SPACE COAST	10	1,098	14.8%	0.01%	
3	MARTIN SOLAR	75	1,950	3.5%	0.02%	
4	Total	110	5,818	7.1%	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	10,195	\$4.26	0	\$90.95	830	\$57.94
6	SPACE COAST	4,037	\$4.26	0	\$90.95	341	\$57.94
7	MARTIN SOLAR	8,609	\$4.26	0	\$90.95	600	\$57.94
8	Total	22,841	\$97,342	0	\$8	1,771	\$102,589

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	2,149	2	4	0.21
10	SPACE COAST	887	1	2	0.08
11	MARTIN SOLAR	1,697	2	3	0.15
12	Total	4,733	4	8	0.45

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$100,103	\$1,043,158	\$419,377	(\$154,336)	\$0	\$1,408,301
14	SPACE COAST	\$22,509	\$481,454	\$195,442	(\$64,351)	\$0	\$635,054
15	MARTIN SOLAR	\$525,566	\$3,030,837	\$1,164,060	(\$422,904)	\$0	\$4,297,559
16	Total	\$648,178	\$4,555,449	\$1,778,879	(\$641,591)	\$0	\$6,340,914

- (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) 2015

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1	DESOTO	25	50,003	22.8%	118,639,154
2	SPACE COAST	10	17,685	20.2%	
3	MARTIN SOLAR	75	89,500	13.6%	
4	Total	110	157,188	16.3%	

	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	267,730	\$4.56	4,571	\$102.07	12,524	\$56.19
6	SPACE COAST	93,641	\$4.56	1,558	\$102.07	4,500	\$56.19
7	MARTIN SOLAR	659,368	\$4.56	10,830	\$102.07	15,442	\$56.19
8	Total	1,020,739	\$4,654,482	16,959	\$1,730,994	32,466	\$1,824,108

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	42,258	61	65	3.25
10	SPACE COAST	15,057	21	23	1.19
11	MARTIN SOLAR	73,939	113	84	3.94
12	Total	131,255	195	173	8.38

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$942,277	\$12,713,911	\$5,029,327	(\$1,852,032)	\$0	\$16,833,483
14	SPACE COAST	\$245,972	\$5,913,011	\$2,342,092	(\$772,212)	\$0	\$7,728,863
15	MARTIN SOLAR	\$4,078,119	\$37,159,136	\$13,970,066	(\$5,074,848)	\$0	\$50,132,474
16	Total	\$5,266,368	\$55,786,058	\$21,341,485	(\$7,699,092)	\$0	\$74,694,819

- (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.