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May 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 April 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 May 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: April 2016

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	10,504	(40)	(19)	(272)
2	9,638	(39)	(18)	(336)
3	9,096	(39)	(18)	(454)
4	8,784	(38)	(17)	(463)
5	8,729	(37)	(17)	(464)
6	9,142	(38)	(17)	(541)
7	10,112	(39)	(18)	(531)
8	10,718	1,392	369	(547)
9	11,559	8,859	2,030	243
10	12,651	12,807	4,153	12,754
11	13,650	15,886	5,878	32,771
12	14,450	15,928	7,294	41,237
13	15,100	16,264	7,860	40,043
14	15,710	16,318	7,737	40,807
15	16,190	15,812	7,786	41,813
16	16,587	14,723	6,902	41,625
17	16,810	13,759	5,546	38,162
18	16,707	12,143	3,661	35,587
19	16,204	7,452	1,393	31,907
20	15,527	943	128	21,725
21	15,421	(53)	(23)	7,521
22	14,534	(44)	(21)	556
23	13,268	(42)	(20)	(248)
24	11,833	(41)	(20)	(268)

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

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	4,555	25.3%	0.05%	9,285,138
2	SPACE COAST	10	1,816	25.2%	0.02%	
3	MARTIN SOLAR	75	11,479	21.3%	0.12%	
4	Total	110	17,850	22.5%	0.19%	

	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	20,614	3.77	205	95.57	860	76.88
6	SPACE COAST	8,141	3.77	71	95.57	349	76.88
7	MARTIN SOLAR	55,432	3.77	401	95.57	2,086	76.88
8	Total	84,187	\$317,479	677	\$64,692	3,295	\$253,301

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	3,143	3.9	4.3	0.02
10	SPACE COAST	1,262	1.6	1.7	0.01
11	MARTIN SOLAR	7,925	9.6	10.3	0.06
12	Total	12,330	15.1	16.4	0.09

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$76,606	\$1,041,379	\$421,350	(\$154,336)	\$0	\$1,384,999
14	SPACE COAST	\$10,902	\$474,783	\$195,442	(\$64,351)	\$0	\$616,776
15	MARTIN SOLAR	\$166,628	\$2,993,783	\$1,165,545	(\$422,904)	\$0	\$3,903,052
16	Total	\$254,136	\$4,509,945	\$1,782,338	(\$641,591)	\$0	\$5,904,827

- (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) 2016

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	14,986	20.6%	0.04%	35,593,157
2	SPACE COAST	10	6,111	21.0%	0.02%	
3	MARTIN SOLAR	75	24,939	11.5%	0.07%	
4	Total	110	46,035	14.4%	0.13%	

	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	58,178	\$3.87	320	\$98.97	3,600	\$69.80
6	SPACE COAST	23,769	\$3.87	98	\$98.97	1,473	\$69.80
7	MARTIN SOLAR	101,730	\$3.87	793	\$98.97	5,691	\$69.80
8	Total	183,677	\$710,087	1,211	\$119,821	10,764	\$751,386

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	10,868	12.5	12.7	0.09
10	SPACE COAST	4,442	5.1	5.2	0.04
11	MARTIN SOLAR	18,370	22.7	24.0	0.15
12	Total	33,680	40.2	41.9	0.27

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$270,944	\$4,174,646	\$1,682,391	(\$617,344)	\$0	\$5,510,637
14	SPACE COAST	\$67,663	\$1,909,138	\$781,769	(\$257,404)	\$0	\$2,501,166
15	MARTIN SOLAR	\$1,341,073	\$12,032,896	\$4,660,806	(\$1,691,616)	\$0	\$16,343,159
16	Total	\$1,679,680	\$18,116,680	\$7,124,966	(\$2,566,364)	\$0	\$24,354,962

- (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.