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September 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 August 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 September 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: August 2016

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	13,904	(52)	(17)	(368)
2	13,005	(52)	(17)	(400)
3	12,390	(51)	(17)	(460)
4	12,002	(51)	(17)	(466)
5	11,893	(50)	(17)	(469)
6	12,209	(50)	(17)	(506)
7	12,883	(52)	(17)	(521)
8	13,323	2,158	304	(581)
9	14,441	11,046	1,841	43
10	15,984	14,461	3,584	6,664
11	17,540	15,450	5,524	15,234
12	18,861	15,991	6,381	22,570
13	19,874	15,990	6,905	24,499
14	20,597	14,744	6,898	26,178
15	20,937	13,717	6,565	25,961
16	21,014	12,633	5,397	26,816
17	20,820	10,310	4,565	21,570
18	20,373	6,630	2,834	16,373
19	19,695	3,567	1,225	14,501
20	18,900	690	178	9,785
21	18,580	(68)	(29)	3,917
22	17,680	(55)	(23)	678
23	16,413	(53)	(18)	(286)
24	15,039	(52)	(17)	(342)

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

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	4,241	22.8%	0.04%	11,427,570
2	SPACE COAST	10	1,612	21.7%	0.01%	
3	MARTIN SOLAR	75	6,522	11.7%	0.06%	
4	Total	110	12,375	15.1%	0.11%	

	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	36,720	\$3.98	1,098	\$89.69	(0)	\$41.82
6	SPACE COAST	14,223	\$3.98	412	\$89.69	(0)	\$41.82
7	MARTIN SOLAR	64,514	\$3.98	1,405	\$89.69	(1)	\$41.82
8	Total	115,457	\$459,252	2,915	\$261,417	(1)	(\$43)

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	2,700	2.9	1.5	0.00
10	SPACE COAST	1,039	1.1	0.6	0.00
11	MARTIN SOLAR	4,498	5.0	1.9	0.00
12	Total	8,238	8.9	4.0	0.01

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$61,874	\$1,026,569	\$407,726	(\$299,672)	\$0	\$1,196,497
14	SPACE COAST	\$15,808	\$470,911	\$195,406	(\$64,351)	\$0	\$617,774
15	MARTIN SOLAR	\$257,903	\$2,973,251	\$1,164,994	(\$422,904)	\$0	\$3,973,244
16	Total	\$335,585	\$4,470,731	\$1,768,126	(\$786,927)	\$0	\$5,787,514

- (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 - August) 2016

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	34,200	23.4%	0.04%	80,525,778
2	SPACE COAST	10	12,961	22.1%	0.02%	
3	MARTIN SOLAR	75	60,361	13.7%	0.07%	
4	Total	110	107,522	16.7%	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	186,118	\$3.86	4,134	\$94.76	5,696	\$65.00
6	SPACE COAST	71,278	\$3.86	1,537	\$94.76	2,155	\$65.00
7	MARTIN SOLAR	348,160	\$3.86	4,701	\$94.76	10,479	\$65.00
8	Total	605,555	\$2,336,118	10,373	\$982,918	18,329	\$1,191,336

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	23,939	25.8	22.4	0.15
10	SPACE COAST	9,145	9.9	8.7	0.06
11	MARTIN SOLAR	43,059	45.4	39.0	0.26
12	Total	76,143	81.0	70.1	0.47

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$495,743	\$8,314,203	\$3,366,578	(\$1,380,024)	\$0	\$10,796,500
14	SPACE COAST	\$118,839	\$3,797,206	\$1,563,447	(\$514,808)	\$0	\$4,964,684
15	MARTIN SOLAR	\$2,369,804	\$23,947,100	\$9,321,888	(\$3,383,232)	\$0	\$32,255,560
16	Total	\$2,984,386	\$36,058,509	\$14,251,914	(\$5,278,064)	\$0	\$48,016,745

- (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.