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July 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 June 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.

Also enclosed is a revised Solar Plant Operation Status Report for May 2016, to correct net generation for West County Unit 3.

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 July 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)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	5,536	29.8%	0.05%	10,374,981
2	SPACE COAST	10	1,813	24.4%	0.02%	
3	MARTIN SOLAR	75	13,962	25.0%	0.13%	
4	Total	110	21,310	26.0%	0.21%	

	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	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 (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ 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)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	20,521	22.5%	0.04%	45,968,138
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)	⁽²⁾ Cost of NG (\$/MCF)	Oil Displaced (Bbls)	⁽²⁾ Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	⁽³⁾ 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 (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ 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.
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- (5) Capital Cost data represents depreciation expense on net investment.
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Florida Power & Light Company
 Actual Data for Next Generation Solar Centers
 Environmental Cost Recovery Clause
 Period of: June 2016

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	13,362	(57)	(18)	(298)
2	12,430	(58)	(18)	(344)
3	11,802	(55)	(18)	(444)
4	11,388	(55)	(18)	(460)
5	11,239	(55)	(18)	(461)
6	11,498	(55)	(18)	(513)
7	12,041	15	5	(493)
8	12,811	5,190	595	(596)
9	14,188	12,338	2,106	2,587
10	15,755	14,479	3,847	15,339
11	17,250	15,656	5,104	24,296
12	18,493	15,119	6,124	33,873
13	19,345	15,431	6,910	39,736
14	19,901	14,046	6,926	38,085
15	20,191	13,566	6,598	34,220
16	20,308	12,339	5,690	32,414
17	20,245	10,332	4,299	31,616
18	19,889	9,313	2,854	24,537
19	19,245	5,891	1,148	19,457
20	18,411	2,028	253	18,807
21	17,938	(26)	(22)	6,020
22	17,267	(59)	(26)	961
23	16,047	(58)	(20)	(253)
24	14,652	(58)	(18)	(280)

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

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	4,356	24.2%	0.04%	11,151,608
2	SPACE COAST	10	1,568	21.8%	0.01%	
3	MARTIN SOLAR	75	9,534	17.7%	0.09%	
4	Total	110	15,458	19.5%	0.14%	

	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	26,901	\$3.73	549	\$98.08	661	\$51.15
6	SPACE COAST	10,269	\$3.73	184	\$98.08	227	\$51.15
7	MARTIN SOLAR	66,705	\$3.73	1,623	\$98.08	1,157	\$51.15
8	Total	103,875	\$387,713	2,356	\$231,074	2,045	\$104,610

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	2,903	2.1	1.3	0.01
10	SPACE COAST	1,063	0.7	0.4	0.00
11	MARTIN SOLAR	6,471	4.4	2.9	0.03
12	Total	10,437	7.2	4.6	0.04

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$57,092	\$1,035,443	\$426,214	(\$154,336)	\$0	\$1,364,413
14	SPACE COAST	\$10,626	\$471,448	\$195,424	(\$64,351)	\$0	\$613,147
15	MARTIN SOLAR	\$263,959	\$2,974,349	\$1,165,383	(\$422,904)	\$0	\$3,980,788
16	Total	\$331,678	\$4,481,240	\$1,787,021	(\$641,591)	\$0	\$5,958,348

- (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.
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- (5) Capital Cost data represents depreciation expense on net investment.
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Florida Power & Light Company
Actual Data for Next Generation Solar Centers
Environmental Cost Recovery Clause
Period of: Year-to-Date (January - June) 2016

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1	DESOTO	25	24,878	22.8%	57,119,746
2	SPACE COAST	10	9,492	21.7%	
3	MARTIN SOLAR	75	48,434	14.8%	
4	Total	110	82,804	17.2%	

	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	114,943	\$3.79	877	\$98.32	5,456	\$65.26
6	SPACE COAST	43,608	\$3.79	284	\$98.32	2,096	\$65.26
7	MARTIN SOLAR	237,024	\$3.79	2,441	\$98.32	10,269	\$65.26
8	Total	395,575	\$1,500,068	3,602	\$354,114	17,820	\$1,162,968

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	17,838	18.3	17.3	0.13
10	SPACE COAST	6,836	7.1	6.8	0.05
11	MARTIN SOLAR	35,444	37.1	35.5	0.25
12	Total	60,118	62.6	59.6	0.43

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$376,394	\$6,248,042	\$2,532,186	(\$926,016)	\$0	\$8,230,606
14	SPACE COAST	\$91,728	\$2,853,701	\$1,172,635	(\$386,106)	\$0	\$3,731,958
15	MARTIN SOLAR	\$1,867,174	\$17,991,401	\$6,991,862	(\$2,537,424)	\$0	\$24,313,012
16	Total	\$2,335,295	\$27,093,144	\$10,696,683	(\$3,849,546)	\$0	\$36,275,576

- (1) Net Generation data represents a calendar month.
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- (5) Capital Cost data represents depreciation expense on net investment.
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