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October 20, 2015

**-VIA ELECTRONIC FILING -**

Ms. Carlotta S. Stauffer  
Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

**Re: Docket No. 150007-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 September 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. 150007-EI**

**I HEREBY CERTIFY** that a true and correct copy of the foregoing has been furnished by electronic service on this 20th day of October 2015, 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: September 2015

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	12,740	(52)	(18)	(399)
2	11,873	(52)	(18)	(455)
3	11,293	(52)	(17)	(488)
4	10,937	(51)	(17)	(487)
5	10,839	(51)	(17)	(473)
6	11,246	(52)	(17)	(477)
7	12,086	(53)	(18)	(499)
8	12,487	837	186	(548)
9	13,407	7,901	1,776	(344)
10	14,876	12,879	3,678	7,429
11	16,337	14,542	4,914	22,309
12	17,558	14,887	5,766	29,964
13	18,501	14,822	6,665	31,155
14	19,153	14,780	6,264	32,377
15	19,443	13,943	5,485	30,794
16	19,499	13,033	4,863	26,277
17	19,383	11,065	3,107	22,370
18	18,987	7,666	1,974	17,844
19	18,362	3,464	709	14,676
20	18,010	99	23	6,149
21	17,634	(83)	(20)	2,399
22	16,599	(71)	(19)	25
23	15,337	(63)	(19)	(325)
24	13,988	(55)	(18)	(352)

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

	Net Capability (MW)	<sup>(1)</sup> Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	<sup>(2)</sup> Total System Net Generation (MWh)
1 DESOTO	25	3,878	21.5%	0.04%	10,342,069
2 SPACE COAST	10	1,356	18.8%	0.01%	
3 MARTIN SOLAR	75	7,168	13.3%	0.07%	
4 Total	110	12,402	15.7%	0.12%	

	Natural Gas Displaced (MCF)	<sup>(2)</sup> Cost of NG (\$/MCF)	Oil Displaced (Bbls)	<sup>(2)</sup> Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	<sup>(3)</sup> Cost of Coal (\$/Ton)
5 DESOTO	25,169	\$4.56	390	\$110.30	822	\$54.85
6 SPACE COAST	8,684	\$4.56	129	\$110.30	287	\$54.85
7 MARTIN SOLAR	58,254	\$4.56	1,360	\$110.30	854	\$54.85
8 Total	92,107	\$419,807	1,879	\$207,242	1,963	\$107,695

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)
9 DESOTO	3,259	6	4	0.19
10 SPACE COAST	1,130	2	2	0.07
11 MARTIN SOLAR	5,788	9	5	0.24
12 Total	10,177	17	11	0.49

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
13 DESOTO	\$58,902	\$1,045,930	\$419,291	(\$154,336)	\$0	\$1,369,788
14 SPACE COAST	\$18,497	\$486,457	\$195,442	(\$64,351)	\$0	\$636,045
15 MARTIN SOLAR	\$364,038	\$3,058,931	\$1,163,646	(\$422,904)	\$0	\$4,163,711
16 Total	\$441,437	\$4,591,318	\$1,778,379	(\$641,591)	\$0	\$6,169,543

- (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 - September) 2015

	Net Capability (MW)	<sup>(1)</sup> Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	<sup>(2)</sup> Total System Net Generation (MWh)
1	DESOTO	25	40,232	24.6%	89,733,210
2	SPACE COAST	10	13,898	21.2%	
3	MARTIN SOLAR	75	77,601	15.8%	
4	Total	110	131,731	18.3%	

	Natural Gas Displaced (MCF)	<sup>(2)</sup> Cost of NG (\$/MCF)	Oil Displaced (Bbls)	<sup>(2)</sup> Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	<sup>(3)</sup> Cost of Coal (\$/Ton)	
5	DESOTO	219,854	\$4.60	3,719	\$102.83	10,089	\$55.24
6	SPACE COAST	74,360	\$4.60	1,236	\$102.83	3,568	\$55.24
7	MARTIN SOLAR	580,664	\$4.60	8,889	\$102.83	13,392	\$55.24
8	Total	874,878	\$4,024,865	13,844	\$1,423,559	27,049	\$1,494,290

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	34,367	51	53	2.50
10	SPACE COAST	11,946	17	19	0.91
11	MARTIN SOLAR	64,331	99	73	3.24
12	Total	110,644	167	145	6.65

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$685,292	\$9,584,784	\$3,771,203	(\$1,389,024)	\$0	\$12,652,256
14	SPACE COAST	\$184,733	\$4,463,647	\$1,755,765	(\$579,159)	\$0	\$5,824,986
15	MARTIN SOLAR	\$2,830,250	\$28,039,385	\$10,478,297	(\$3,806,136)	\$0	\$37,541,795
16	Total	\$3,700,275	\$42,087,815	\$16,005,265	(\$5,774,319)	\$0	\$56,019,037

- (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.