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February 22, 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 January 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 22nd day of February 2016, to the following:

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By: s/John T. Butler  
John T. Butler  
Florida Bar No. 283479

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

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	9,429	(46)	(17)	(404)
2	8,921	(47)	(17)	(455)
3	8,668	(47)	(17)	(453)
4	8,605	(47)	(18)	(447)
5	8,765	(48)	(18)	(439)
6	9,401	(49)	(18)	(454)
7	10,593	(50)	(19)	(471)
8	11,478	406	86	(466)
9	12,077	6,124	1,454	(526)
10	12,538	9,552	3,156	538
11	12,779	10,603	4,631	3,285
12	12,813	11,122	5,279	6,194
13	12,725	12,200	5,565	8,243
14	12,583	11,520	5,501	10,121
15	12,411	10,638	4,855	11,357
16	12,289	9,382	3,667	13,023
17	12,245	6,841	1,833	13,781
18	12,630	1,221	143	8,018
19	13,512	(64)	(21)	2,579
20	13,382	(48)	(20)	97
21	12,906	(46)	(19)	(343)
22	12,158	(46)	(19)	(349)
23	11,234	(46)	(18)	(365)
24	10,191	(46)	(18)	(385)

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

	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	2,758	14.8%	0.03%	8,929,725
2	SPACE COAST	10	1,114	15.0%	0.01%	
3	MARTIN SOLAR	75	2,222	4.0%	0.02%	
4	Total	110	6,094	7.4%	0.07%	

	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	12,560	\$4.01	4	\$91.59	644	\$45.14
6	SPACE COAST	4,931	\$4.01	1	\$91.59	269	\$45.14
7	MARTIN SOLAR	11,260	\$4.01	0	\$91.59	393	\$45.14
8	Total	28,751	\$115,405	6	\$523	1,306	\$58,963

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	1,863	1.0	0.3	0.01
10	SPACE COAST	755	0.4	0.1	0.01
11	MARTIN SOLAR	1,341	0.7	0.1	0.01
12	Total	3,960	2.1	0.5	0.03

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$30,396	\$1,045,430	\$419,379	(\$154,336)	\$0	\$1,340,869
14	SPACE COAST	\$10,964	\$479,786	\$195,442	(\$64,351)	\$0	\$621,841
15	MARTIN SOLAR	\$172,836	\$3,022,492	\$1,164,523	(\$422,904)	\$0	\$3,936,947
16	Total	\$214,196	\$4,547,708	\$1,779,345	(\$641,591)	\$0	\$5,899,657

- <sup>(1)</sup> Net Generation data represents a calendar month.
- <sup>(2)</sup> Total System Net Generation from Schedule A3. Fuel Cost per unit data from Schedule A3.
- <sup>(3)</sup> Fuel Cost per unit data from Schedule A4.
- <sup>(4)</sup> Carrying Cost data represents return on average net investment.
- <sup>(5)</sup> Capital Cost data represents depreciation expense on net investment.
- <sup>(6)</sup> 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 - January) 2016

	Net Capability (MW)	<sup>(1)</sup> Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	<sup>(2)</sup> Total System Net Generation (MWh)
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11	MARTIN SOLAR	1,341	0.7	0.1	0.01
12	Total	3,960	2.1	0.5	0.03

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