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October 22, 2018

**-VIA ELECTRONIC FILING-**

Carlotta Stauffer, Director  
Division of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

**Re: Docket No. 20180007-EI Environmental Cost Recovery Clause**

Dear Ms. Stauffer:

Attached for electronic filing in the above docket is Florida Power & Light Company's Solar Plant Operation Status Report for the month of September 2018, 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.

Please contact me if you have or your Staff has any questions regarding this filing.

Sincerely,

*s/ Maria J. Moncada*  
Maria J. Moncada

**Attachments**

cc: Counsel for Parties of Record

**CERTIFICATE OF SERVICE**  
**Docket No. 20180007-EI**

I **HEREBY CERTIFY** that a true and correct copy of the foregoing has been furnished  
by electronic service on this 22nd day of October 2018 to the following:

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By: s/ Maria J. Moncada  
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Florida Power & Light Company  
 Actual Data for Next Generation Solar Centers  
 Environmental Cost Recovery Clause  
 Period of: September 2018

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	13,457	(53)	(18)	(336)
2	12,695	(53)	(18)	(388)
3	12,074	(53)	(18)	(446)
4	11,677	(53)	(18)	(442)
5	11,546	(53)	(18)	(474)
6	11,844	(54)	(18)	(458)
7	12,523	(56)	(18)	(461)
8	12,871	1,037	199	(505)
9	13,973	10,779	1,717	(769)
10	15,550	15,435	3,541	2,277
11	17,215	16,369	5,059	7,782
12	18,550	16,027	6,013	14,644
13	19,615	15,568	6,356	20,125
14	20,407	15,276	6,729	18,988
15	20,873	14,387	6,074	19,413
16	21,063	12,366	5,164	18,450
17	21,006	11,310	4,140	18,338
18	20,593	7,917	2,578	15,611
19	19,747	2,504	737	12,430
20	19,057	85	0	4,717
21	18,542	(61)	(27)	504
22	17,468	(55)	(21)	(275)
23	16,134	(54)	(18)	(325)
24	14,761	(53)	(18)	(351)

Florida Power & Light Company  
Actual Data for Next Generation Solar Centers  
Environmental Cost Recovery Clause  
Period of: September 2018

	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	4,154	23.1%	0.04%	11,817,261
2	SPACE COAST	10	1,443	20.0%	0.01%	
3	MARTIN SOLAR	75	4,441	8.2%	0.04%	
4	Total	110	10,038	12.7%	0.08%	

	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	37,324	\$4.18	315	\$87.99	127	\$41.65
6	SPACE COAST	13,541	\$4.18	129	\$87.99	30	\$41.65
7	MARTIN SOLAR	44,547	\$4.18	421	\$87.99	54	\$41.65
8	Total	95,413	\$398,426	865	\$76,111	211	\$8,797

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	2,577	1.3	0.4	0.00
10	SPACE COAST	914	0.5	0.2	0.00
11	MARTIN SOLAR	2,923	1.4	0.5	0.00
12	Total	6,414	3.1	1.1	0.01

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$83,804	\$760,096	\$433,037	(\$148,208)	\$0	\$1,128,729
14	SPACE COAST	\$20,240	\$352,503	\$195,492	(\$62,871)	\$0	\$505,364
15	MARTIN SOLAR	\$372,354	\$2,289,863	\$1,022,764	(\$402,196)	\$0	\$3,282,786
16	Total	\$476,398	\$3,402,462	\$1,651,293	(\$613,275)	\$0	\$4,916,879

- (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) 2018

	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	37,432	22.9%	0.04%	94,275,916
2	SPACE COAST	10	13,702	20.9%	0.01%	
3	MARTIN SOLAR	75	44,842	9.1%	0.05%	
4	Total	110	95,977	13.3%	0.10%	

	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	317,052	\$4.28	1,693	\$85.59	1,604	\$41.43
6	SPACE COAST	119,022	\$4.28	585	\$85.59	555	\$41.43
7	MARTIN SOLAR	420,567	\$4.28	2,603	\$85.59	1,684	\$41.43
8	Total	856,641	\$3,668,654	4,881	\$417,772	3,843	\$159,218

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	22,402	9.8	1.9	0.04
10	SPACE COAST	8,301	3.6	0.7	0.01
11	MARTIN SOLAR	29,097	12.6	2.5	0.04
12	Total	59,800	26.0	5.1	0.10

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$417,659	\$7,039,026	\$3,897,510	(\$1,333,872)	\$0	\$10,020,322
14	SPACE COAST	\$232,144	\$3,262,848	\$1,759,954	(\$565,839)	\$0	\$4,689,107
15	MARTIN SOLAR	\$3,083,721	\$21,105,536	\$9,206,269	(\$3,619,764)	\$0	\$29,775,762
16	Total	\$3,733,524	\$31,407,409	\$14,863,733	(\$5,519,475)	\$0	\$44,485,191

- (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.