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January 20, 2012

Ms. Ann Cole  
Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

**Re: Docket No. 110007-EI**

Dear Ms. Cole:

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, Florida Power & Light Company (FPL) hereby files the original and ten (10) copies of its Solar Plant Operation Status Report for the month of December 2011.

If there are any questions regarding this transmittal, please contact me at 561-304-5639.

Sincerely,

John T. Butler

- COM \_\_\_\_\_
- APA \_\_\_\_\_
- ECR   1
- GCL   1
- RAD   1
- SRC \_\_\_\_\_
- ADM \_\_\_\_\_
- OPC \_\_\_\_\_
- CLK \_\_\_\_\_

Copy to: All parties of record

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**CERTIFICATE OF SERVICE**

**Docket No. 110007-EI**

**I HEREBY CERTIFY** that a true and correct copy of the foregoing has been furnished by hand delivery (\*) or United States mail this 20<sup>th</sup> day of January 2012, to the following:

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By:   
John T. Butler  
Fla. Bar No. 283479

Florida Power & Light Company  
 Actual Data for Next Generation Solar Centers  
 Environmental Cost Recovery Clause  
 Period of: December 2011

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	8,689	(49)	(17)	(180)
2	8,060	(49)	(17)	(182)
3	7,697	(49)	(17)	(182)
4	7,534	(49)	(17)	(181)
5	7,573	(49)	(17)	(180)
6	7,991	(50)	(17)	(180)
7	8,861	(50)	(14)	(174)
8	9,537	1,046	161	(177)
9	10,319	9,016	1,997	(211)
10	11,128	12,612	4,057	(292)
11	11,747	13,617	5,592	(311)
12	12,126	12,984	6,602	(325)
13	12,366	12,615	6,679	(340)
14	12,478	12,141	5,725	(279)
15	12,498	11,106	4,546	(244)
16	12,439	11,066	3,078	(235)
17	12,287	6,795	939	(193)
18	12,638	335	28	(170)
19	13,415	(53)	(21)	(179)
20	13,066	(50)	(19)	(181)
21	12,517	(50)	(18)	(181)
22	11,787	(50)	(18)	(183)
23	10,817	(49)	(17)	(182)
24	9,702	(50)	(17)	(182)

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Florida Power & Light Company  
Actual Data for Next Generation Solar Centers  
Environmental Cost Recovery Clause  
Period of: December 2011

	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	3,183	17.1%	0.04%	7,849,930
2 SPACE COAST	10	1,215	16.3%	0.02%	
3 MARTIN SOLAR	75	(159)	-0.3%	0.00%	
4 Total	110	4,239	5.2%	0.05%	

	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	17,965	\$5.74	0	\$80.06	383	\$67.83
6 SPACE COAST	6,399	\$5.74	0	\$80.06	171	\$67.83
7 MARTIN SOLAR	(777)	\$5.74	0	\$80.06	(34)	\$67.83
8 Total	23,587	\$135,367	0	\$2	520	\$35,305

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)
9 DESOTO	1,834	1	2	0.12
10 SPACE COAST	719	1	1	0.05
11 MARTIN SOLAR	(112)	0	0	(0.01)
12 Total	2,441	2	3	0.16

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
13 DESOTO	\$74,862	\$1,213,375	\$417,093	(\$154,336)	\$0	\$1,550,994
14 SPACE COAST	\$54,969	\$567,561	\$193,741	(\$64,351)	\$0	\$751,920
15 MARTIN SOLAR	(\$4,140,110)	\$3,326,763	\$1,100,002	(\$422,904)	\$0	(\$136,249)
16 Total	(\$4,010,279)	\$5,107,699	\$1,710,836	(\$641,591)	\$0	\$2,166,665

- (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 - December) 2011

	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	51,560	23.5%	0.05%	103,787,903
2	SPACE COAST	10	18,720	21.4%	0.02%	
3	MARTIN SOLAR	75	28,982	4.4%	0.03%	
4	Total	110	99,262	10.3%	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	401,616	\$5.90	5,396	\$88.69	4,011	\$83.53
6	SPACE COAST	146,969	\$5.90	1,912	\$88.69	1,452	\$83.53
7	MARTIN SOLAR	246,749	\$5.90	3,296	\$88.69	1,421	\$83.53
8	Total	795,334	\$4,696,383	10,603	\$940,388	6,885	\$575,123

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	35,188	64	44	2.12
10	SPACE COAST	12,819	23	16	0.79
11	MARTIN SOLAR	19,298	45	26	0.81
12	Total	67,305	132	85	3.72

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$902,831	\$14,761,798	\$4,986,250	(\$1,852,032)	\$0	\$18,798,847
14	SPACE COAST	\$451,894	\$6,920,307	\$2,336,458	(\$772,212)	\$0	\$8,936,447
15	MARTIN SOLAR	\$4,741,968	\$40,301,063	\$13,124,300	(\$5,074,848)	\$0	\$53,092,483
16	Total	\$6,096,693	\$61,983,168	\$20,447,008	(\$7,699,092)	\$0	\$80,827,777

- (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.