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September 20, 2012

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

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COMMISSION  
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**Re: Docket No. 120007-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 August 2012.

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

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AFD 4 \_\_\_\_\_  
APA \_\_\_\_\_  
ECO \_\_\_\_\_  
ENG \_\_\_\_\_  
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Sincerely,

*Damario Rodriguez for*  
John T. Butler

Copy to: All parties of record

DOCUMENT NUMBER-DATE

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FPSC-COMMISSION CLERK

**CERTIFICATE OF SERVICE**  
**Docket No. 120007-EI**

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

Charles Murphy, Esq.\*  
Division of Legal Services  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, Florida 32399-0850

J. R Kelly, Esq.  
Patricia Christensen, Esq.  
Charles Rehwinkel, Esq.  
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c/o The Florida Legislature  
111 W Madison St. Room 812  
Tallahassee, FL 32399-1400

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Attorneys for Progress Energy Florida

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: August 2012

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	12,537	(53)	(19)	(235)
2	11,674	(53)	(19)	(215)
3	11,078	(52)	(18)	(198)
4	10,711	(52)	(18)	(189)
5	10,582	(52)	(18)	(189)
6	10,883	(53)	(19)	(194)
7	11,579	(54)	(19)	(594)
8	12,089	2,232	292	(874)
9	13,166	12,173	1,759	(940)
10	14,645	15,563	3,623	9,508
11	16,066	16,885	5,579	24,371
12	17,267	16,373	6,108	31,142
13	18,147	16,219	6,659	33,967
14	18,746	14,969	6,492	32,702
15	19,058	15,579	5,829	33,785
16	19,074	14,250	4,700	28,057
17	18,870	11,639	3,431	21,134
18	18,449	8,071	2,142	16,074
19	17,808	5,851	932	8,937
20	17,190	1,343	133	5,939
21	17,064	(53)	(23)	1,959
22	16,278	(54)	(22)	(175)
23	15,047	(54)	(21)	(255)
24	13,734	(54)	(20)	(245)

Florida Power & Light Company  
 Actual Data for Next Generation Solar Centers  
 Environmental Cost Recovery Clause  
 Period of: August 2012

	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	4,667	25.1%	0.05%	9,863,638
2	SPACE COAST	10	1,471	19.8%	0.01%	
3	MARTIN SOLAR	75	7,541	13.5%	0.08%	
4	Total	110	13,680	16.7%	0.14%	

	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	45,193	\$5.04	655	\$88.52	31	\$81.01
6	SPACE COAST	14,278	\$5.04	230	\$88.52	8	\$81.01
7	MARTIN SOLAR	74,157	\$5.04	1,522	\$88.52	39	\$81.01
8	Total	133,627	\$673,263	2,407	\$213,096	77	\$6,274

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	3,079	7	2	0.06
10	SPACE COAST	982	2	1	0.02
11	MARTIN SOLAR	5,276	14	4	0.11
12	Total	9,337	23	6	0.18

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$77,984	\$1,181,133	\$415,922	(\$154,336)	\$0	\$1,520,702
14	SPACE COAST	\$13,593	\$552,552	\$194,539	(\$64,351)	\$0	\$696,333
15	MARTIN SOLAR	\$303,474	\$3,304,738	\$1,119,819	(\$422,904)	\$0	\$4,305,127
16	Total	\$395,050	\$5,038,422	\$1,730,280	(\$641,591)	\$0	\$6,522,161

- (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 - August) 2012

	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	37,340	25.5%	0.05%	69,124,113
2	SPACE COAST	10	13,054	22.3%	0.02%	
3	MARTIN SOLAR	75	67,464	15.4%	0.10%	
4	Total	110	117,858	18.3%	0.17%	

	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	235,867	\$4.89	3,817	\$89.11	5,077	\$83.29
6	SPACE COAST	81,989	\$4.89	1,320	\$89.11	1,794	\$83.29
7	MARTIN SOLAR	474,950	\$4.89	8,165	\$89.11	7,300	\$83.29
8	Total	792,806	\$3,879,480	13,302	\$1,185,429	14,171	\$1,180,331

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	27,134	37	34	2.65
10	SPACE COAST	9,517	13	12	0.95
11	MARTIN SOLAR	48,715	76	55	4.21
12	Total	85,366	127	102	7.81

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$586,045	\$9,573,719	\$3,334,952	(\$1,234,688)	\$0	\$12,260,027
14	SPACE COAST	\$132,954	\$4,477,616	\$1,558,876	(\$514,808)	\$0	\$5,654,638
15	MARTIN SOLAR	\$2,555,739	\$26,530,618	\$8,857,845	(\$3,383,232)	\$0	\$34,560,969
16	Total	\$3,274,738	\$40,581,952	\$13,751,672	(\$5,132,728)	\$0	\$52,475,634

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

Sincerely,

*Damaris Rodriguez for*

John T. Butler

Copy to: All parties of record

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By: Damaris Parique for  
John T. Butler  
Fla. Bar No. 283479

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