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May 19, 2011

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 April 2011.

Additionally, FPL is filing ten (10) copies of its Solar Plant Operation Status Reports for the months of January, February, and March, the originals of which were previously filed in Docket No. 110001-EI.

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

COM _____
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ECR _____
GCL _____
RAD _____
SSC _____
ADM _____
OPC _____
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Sincerely,

John T. Butler

Copy to: All parties of record

DOCUMENT NUMBER-DATE
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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 overnight delivery (*) or United States mail this 19th day of May 2011, to the following:

<p>Martha Brown, Esq. * Division of Legal Services Florida Public Service Commission 2540 Shumard Oak Blvd Tallahassee, Florida 32399-0850 mbrown@psc.state.fl.us</p>	<p>J. R. Kelly, Esq. Patricia Christensen, Esq. Charles Rehwinkel, Esq. Office of Public Counsel c/o The Florida Legislature 111 West Madison Street, Room 812 Tallahassee, Florida 32399 Kelly.jr@leg.state.fl.us Christensen.patty@leg.state.fl.us beck.charles@leg.state.fl.us</p>
<p>James D. Beasley, Esq J. Jeffrey Wahlen, Esq. Ausley & McMullen Attorneys for Tampa Electric P.O. Box 391 Tallahassee, Florida 32302 jbeasley@ausley.com jwahlen@ausley.com</p>	<p>John T. Burnett, Esq. /Diane M. Triplett, Esq. Progress Energy Service Company, LLC P.O. Box 14042 St. Petersburg, Florida 33733-4042 john.burnett@pgnmail.com</p>
<p>Allan Jungels, Capt, USAF Utility Litigation & Negotiation Team Staff Attorney AFLOA/JACL-ULT/FLOA/JACL-ULT 139 Barnes Drive, Suite 1 Tyndall AFB, FL 32403-5317 Attorney for the Federal Executive Agencies Allan.Jungels@tyndall.af.mil</p>	<p>Jon C. Moyle, Esq. and Vicki Kaufman, Esq. Keefe, Anchors Gordon & Moyle, P.A. 118 N. Gadsden St. Tallahassee, FL 32301 Co-Counsel for FIPUG vkaufman@kagmlaw.com jmoyle@kagmlaw.com</p>
<p>Jeffrey A. Stone, Esq. Russell A. Badders, Esq. Beggs & Lane Attorneys for Gulf Power 501 Commendencia Street Pensacola, FL 32502 jas@beggslane.com rab@beggslane.com</p>	<p>Gary V. Perko, Esq. Hopping Green & Sams P.O. Box 6526 Tallahassee, FL 32314 Attorneys for Progress Energy Florida GaryP@ghslaw.com</p>

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: April 2011

	Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (MWh)		
			DESOTO	SPACE COAST	MARTIN SOLAR
1	1	10,698	0	0	0
2	2	9,802	0	0	0
3	3	9,229	0	0	0
4	4	8,891	0	0	0
5	5	8,793	0	0	0
6	6	9,114	0	0	0
7	7	10,005	0	0	0
8	8	10,619	2	0	0
9	9	11,543	13	2	0
10	10	12,748	19	4	3
11	11	13,846	20	6	10
12	12	14,700	20	8	12
13	13	15,454	20	9	11
14	14	15,955	19	9	10
15	15	16,397	19	9	11
16	16	16,697	19	7	11
17	17	16,906	19	6	11
18	18	16,733	15	4	10
19	19	16,202	10	1	7
20	20	15,553	1	0	2
21	21	15,550	0	0	1
22	22	14,732	0	0	0
23	23	13,451	0	0	0
24	24	12,005	0	0	0

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

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1 DESOTO	25	5,940	33.0%	0.07%	8,565,590
2 SPACE COAST	10	1,963	27.3%	0.02%	
3 MARTIN SOLAR	75	2,975	5.5%	0.03%	
4 Total	110	10,878	13.7%	0.13%	

	Natural Gas Displaced (MCF)	⁽²⁾ Cost of NG (\$/MCF)	Oil Displaced (Bbl)	⁽²⁾ Cost of Oil (\$/Bbl)	Coal Displaced (Ton)	⁽³⁾ Cost of Coal (\$/Ton)
5 DESOTO	54,206	5.95	1,609	93.25	90	86.39
6 SPACE COAST	18,181	5.95	532	93.25	19	86.39
7 MARTIN SOLAR	32,784	5.95	820	93.25	5	86.39
8 Total	105,170	626,138	2,961	276,129	114	9,880

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)
9 DESOTO	4138.34	9.3	5.97	0.15
10 SPACE COAST	1362.66	3.11	1.78	0.04
11 MARTIN SOLAR	2589.52	6.82	4.77	0.12
12 Total	8090.53	19.23	12.53	0.31

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
13 DESOTO	\$80,084	\$1,239,079	\$413,975	(\$154,336)	\$0	\$1,578,802
14 SPACE COAST	\$41,941	\$580,912	\$194,737	(\$64,351)	\$0	\$753,239
15 MARTIN SOLAR	\$478,202	\$3,373,729	\$1,091,454	(\$422,904)	\$0	\$4,520,481
16 Total	\$600,227	\$5,193,720	\$1,700,166	(\$641,591)	\$0	\$6,852,522

- (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 2011

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1	DESOTO	25	17,807	24.7%	30,294,280
2	SPACE COAST	10	6,491	22.5%	
3	MARTIN SOLAR	75	21,499	10.0%	
4	Total	110	45,796	14.5%	

	Natural Gas Displaced (MCF)	⁽²⁾ Cost of NG (\$/MCF)	Oil Displaced (Bbl)	⁽²⁾ Cost of Oil (\$/Bbl)	Coal Displaced (Ton)	⁽³⁾ Cost of Coal (\$/Ton)	
5	DESOTO	136,564	5.91	2,348	85.85	1,032	73.68
6	SPACE COAST	49,070	5.91	830	85.85	382	73.68
7	MARTIN SOLAR	169,558	5.91	2,203	85.85	1,286	73.68
8	Total	355,192	2,099,681	5,381	462,003	2,700	198,890

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	11,489	30	16	1
10	SPACE COAST	4,149	8	6	0
11	MARTIN SOLAR	16,324	123	23	1
12	Total	31,962	162	44	2

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$307,602	\$4,967,024	\$1,655,627	(\$617,344)	\$0	\$6,312,909
14	SPACE COAST	\$149,639	\$2,333,027	\$778,553	(\$257,404)	\$0	\$3,003,815
15	MARTIN SOLAR	\$770,313	\$13,511,345	\$4,345,904	(\$1,691,616)	\$0	\$16,935,946
16	Total	\$1,227,554	\$20,811,396	\$6,780,084	(\$2,566,364)	\$0	\$26,252,670

- (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.