



RECEIVED-FPSC

12 MAY 21 PM 3:05

COMMISSION
CLERK

John T. Butler
Assistant General Counsel – Regulatory
Florida Power & Light Company
700 Universe Boulevard
Juno Beach, FL 33408-0420
(561) 304-5639
(561) 691-7135 (Facsimile)
E-mail: john.butler@fpl.com

May 21, 2012

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

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 April 2012.

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

Sincerely,

John T. Butler

- COM _____
- APA 1
- ECR 7
- GCL 1
- RAD 1
- SRC _____
- ADM _____
- OPC _____
- CLK _____

Copy to: All parties of record

DOCUMENT NUMBER: DATE
03209 MAY 21 2012
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 21st day of May 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.
Office of Public Counsel
c/o The Florida Legislature
111 W Madison St. Room 812
Tallahassee, FL 32399-1400

James D. Beasley, Esq.
J. Jeffrey Wahlen, Esq.
Ausley & McMullen
Attorneys for Tampa Electric
P.O. Box 391
Tallahassee, Florida 32302

John T. Burnett, Esq.
Dianne Triplett, Esq.
Progress Energy Service Company, LLC
P.O. Box 14042
St. Petersburg, Florida 33733-4042

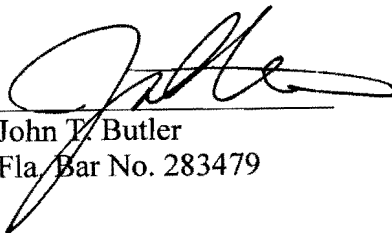
Jeffrey A. Stone, Esq.
Russell A. Badders, Esq.
Beggs & Lane
Attorneys for Gulf Power
P.O. Box 12950
Pensacola, Florida 32591-2950

Jon C. Moyle, Esq.
Vicki Kaufman, Esq.
Co-Counsel for FIPUG
Keefe, Anchors, Gordon & Moyle, P.A.
118 N. Gadsden St.
Tallahassee, FL 32301

Samuel Miller, Capt., USAF
USAF/AFLOA/JACL/ULFSC
139 Barnes Drive, Suite 1
Tyndall AFB, FL 32403-5319
Attorney for the Federal Executive Agencies

Gary V. Perko, Esq.
Hopping Green & Sams
P.O Box 6526
Tallahassee, FL 32314
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: April 2012

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	9,624	(54)	(18)	(242)
2	8,810	(53)	(18)	(243)
3	8,320	(52)	(17)	(242)
4	8,044	(51)	(17)	(209)
5	7,994	(50)	(17)	(195)
6	8,375	(50)	(17)	(200)
7	9,289	(52)	(17)	(535)
8	9,876	1,866	328	(895)
9	10,588	12,068	2,006	47
10	11,558	17,460	4,132	15,749
11	12,463	19,204	6,294	38,122
12	13,117	18,874	7,627	41,133
13	13,616	17,960	7,893	43,181
14	14,053	17,940	7,860	45,710
15	14,404	17,083	7,982	45,177
16	14,635	17,088	6,831	43,189
17	14,906	15,118	5,202	41,794
18	14,844	12,825	3,444	40,975
19	14,472	9,209	1,390	28,677
20	13,992	1,247	159	15,694
21	14,110	(61)	(23)	4,576
22	13,369	(56)	(20)	(149)
23	12,211	(55)	(19)	(257)
24	10,821	(55)	(19)	(254)

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

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	5,321	29.6%	0.07%	7,667,839
2	SPACE COAST	10	1,828	25.4%	0.02%	
3	MARTIN SOLAR	75	12,018	22.3%	0.16%	
4	Total	110	19,167	24.2%	0.25%	

	Natural Gas Displaced (MCF)	⁽²⁾ Cost of NG (\$/MCF)	Oil Displaced (Bbls)	⁽²⁾ Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	⁽³⁾ Cost of Coal (\$/Ton)	
5	DESOTO	26,822	\$4.76	285	\$97.31	1088	\$84.86
6	SPACE COAST	9,738	\$4.76	85	\$97.31	364	\$84.86
7	MARTIN SOLAR	63,696	\$4.76	975	\$97.31	2,340	\$84.86
8	Total	100,257	\$477,572	1,346	\$130,996	3,792	\$321,734

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	4,181	5	6	0.59
10	SPACE COAST	1,438	2	2	0.20
11	MARTIN SOLAR	9,539	10	13	1.28
12	Total	15,157	16	21	2.08

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$62,773	\$1,200,637	\$417,652	(\$154,336)	\$0	\$1,526,726
14	SPACE COAST	\$14,092	\$560,834	\$194,847	(\$64,351)	\$0	\$705,423
15	MARTIN SOLAR	\$223,998	\$3,321,332	\$1,104,912	(\$422,904)	\$0	\$4,227,338
16	Total	\$300,863	\$5,082,803	\$1,717,412	(\$641,591)	\$0	\$6,459,487

- (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 - April) 2012

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1	DESOTO	25	17,445	24.0%	30,813,322
2	SPACE COAST	10	6,524	22.5%	
3	MARTIN SOLAR	75	29,871	13.7%	
4	Total	110	53,841	16.9%	

	Natural Gas Displaced (MCF)	⁽²⁾ Cost of NG (\$/MCF)	Oil Displaced (Bbls)	⁽²⁾ Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	⁽³⁾ Cost of Coal (\$/Ton)	
5	DESOTO	91,081	\$4.87	584	\$94.18	3,124	\$85.79
6	SPACE COAST	34,130	\$4.87	192	\$94.18	1,165	\$85.79
7	MARTIN SOLAR	185,430	\$4.87	1,382	\$94.18	4,163	\$85.79
8	Total	310,641	\$1,511,744	2,158	\$203,222	8,453	\$725,143

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	12,656	13	17	1.65
10	SPACE COAST	4,717	5	6	0.61
11	MARTIN SOLAR	20,985	25	24	2.27
12	Total	38,358	43	47	4.52

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$276,333	\$4,825,025	\$1,670,773	(\$617,344)	\$0	\$6,154,786
14	SPACE COAST	\$74,279	\$2,253,427	\$779,947	(\$257,404)	\$0	\$2,850,249
15	MARTIN SOLAR	\$1,107,139	\$13,276,688	\$4,414,931	(\$1,691,616)	\$0	\$17,107,143
16	Total	\$1,457,751	\$20,355,139	\$6,865,651	(\$2,566,364)	\$0	\$26,112,178

- (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.