



**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)**  
[John.Butler@fpl.com](mailto:John.Butler@fpl.com)

June 22, 2015

**-VIA ELECTRONIC FILING -**

Ms. Carlotta S. Stauffer  
Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

**Re: Docket No. 150007-EI**

Dear Ms. Stauffer:

I enclose for electronic filing in the above docket; Florida Power & Light Company's ("FPL") Solar Plant Operation Status Report for the month of May 2015, 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.

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

Sincerely,

*s/ John T. Butler*  
John T. Butler

Enclosures

cc: Counsel for Parties of Record (w/encl.)

**CERTIFICATE OF SERVICE**  
**Docket No. 150007-EI**

I **HEREBY CERTIFY** that a true and correct copy of the foregoing has been furnished by electronic service on this 22nd day of June 2015, to the following:

Charles Murphy, Senior Attorney  
Office of the General Counsel  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850  
cmurphy@psc.state.fl.us

J.R. Kelly, Esquire  
Patricia Christensen, Esquire  
Charles J. Rehwinkel, Esquire  
Office of Public Counsel  
c/o The Florida Legislature  
111 W. Madison St., Room 812  
Tallahassee, Florida 32399-1400  
kelly.jr@leg.state.fl.us  
christensen.patty@leg.state.fl.us  
rehwinkel.charles@leg.state.fl.us  
@leg.state.fl.us

James D. Beasley, Esquire  
J. Jeffrey Wahlen, Esquire  
Ashley M. Daniels, Esquire  
Ausley & McMullen  
Attorneys for Tampa Electric  
P.O. Box 391  
Tallahassee, Florida 32302  
jbeasley@ausley.com  
jwahlen@ausley.com  
adaniels@ausley.com

Dianne Triplett, Esquire  
Duke Energy Florida  
299 First Avenue North  
St. Petersburg, Florida 33701  
dianne.triplett@duke-energy.com

Matthew R. Bernier  
106 East College Avenue, Suite 800  
Tallahassee, FL 32301  
Matthew.bernier@duke-energy.com

Jeffrey A. Stone, Esquire  
Russell A. Badders, Esquire  
Beggs & Lane  
Attorneys for Gulf Power  
P.O. Box 12950  
Pensacola, Florida 32591-2950  
srg@beggslane.com  
rab@beggslane.com

James W. Brew, Esquire  
Owen J. Kopon, Esq.  
Laura A. Wynn, Esq.  
Attorneys for White Springs  
Stone Mattheis Xenopoulos & Brew, PC  
1025 Thomas Jefferson Street, NW  
Eighth Floor, West Tower  
Washington, DC 20007  
(202) 342-0800  
(202) 342-0807 (fax)  
jbrew@smxblaw.com  
ojk@smxblaw.com  
laura.wynn@smxblaw.com

Gary V. Perko, Esquire  
Hopping Green & Sams  
Attorneys for Duke Energy Florida  
P.O. Box 6526  
Tallahassee, Florida 32314  
gperko@hgslaw.com

Paula K. Brown  
Regulatory Coordination  
Tampa Electric Company  
P.O. Box 111  
Tampa, Florida 33601  
regdept@tecoenergy.com

Robert L. McGee, Jr.  
Gulf Power Company  
One Energy Place  
Pensacola, Florida 32520-0780  
rlmcgee@southernco.com

Jon C. Moyle, Jr., Esquire  
The Moyle Law Firm, P.A.  
Attorneys for FIPUG  
118 N. Gadsden Street  
Tallahassee, Florida 32301  
jmoyle@moylelaw.com

By: s/John T. Butler  
John T. Butler  
Florida Bar No. 283479

Florida Power & Light Company  
 Actual Data for Next Generation Solar Centers  
 Environmental Cost Recovery Clause  
 Period of: May 2015

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	11,959	(54)	(19)	(183)
2	11,004	(54)	(18)	(178)
3	10,366	(53)	(18)	(175)
4	9,955	(53)	(17)	(177)
5	9,801	(52)	(17)	(198)
6	10,094	(52)	(16)	(254)
7	10,815	(21)	(3)	(505)
8	11,491	6,032	630	(595)
9	12,681	15,911	2,405	7,181
10	14,097	18,848	4,484	32,557
11	15,363	18,767	6,112	48,743
12	16,434	18,908	7,290	55,087
13	17,284	18,674	7,910	52,505
14	17,994	19,294	8,023	52,081
15	18,479	18,505	7,835	50,712
16	18,781	18,801	6,586	44,418
17	18,862	17,022	5,006	42,597
18	18,607	14,070	3,562	39,825
19	17,988	8,802	1,475	30,851
20	17,146	2,431	263	21,538
21	16,859	(66)	(21)	11,143
22	16,091	(57)	(21)	2,291
23	14,810	(54)	(20)	(198)
24	13,338	(54)	(20)	(194)

Florida Power & Light Company  
Actual Data for Next Generation Solar Centers  
Environmental Cost Recovery Clause  
Period of: May 2015

	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	6,060	32.6%	0.06%	10,188,557
2	SPACE COAST	10	1,903	25.6%	0.02%	
3	MARTIN SOLAR	75	15,155	27.2%	0.15%	
4	Total	110	23,119	28.2%	0.23%	

	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	42,760	\$4.67	56	\$92.44	1,101	\$54.71
6	SPACE COAST	13,435	\$4.67	23	\$92.44	359	\$54.71
7	MARTIN SOLAR	120,996	\$4.67	170	\$92.44	2,394	\$54.71
8	Total	177,192	\$828,034	250	\$23,079	3,854	\$210,858

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	4,686	8	5	0.26
10	SPACE COAST	1,497	2	2	0.08
11	MARTIN SOLAR	11,860	23	11	0.58
12	Total	18,043	33	18	0.93

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$85,570	\$1,067,743	\$418,909	(\$154,336)	\$0	\$1,417,886
14	SPACE COAST	\$15,788	\$497,355	\$194,934	(\$64,351)	\$0	\$643,726
15	MARTIN SOLAR	\$279,373	\$3,124,451	\$1,163,815	(\$422,904)	\$0	\$4,144,735
16	Total	\$380,731	\$4,689,549	\$1,777,658	(\$641,591)	\$0	\$6,206,347

- (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 - May) 2015

	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	22,205	24.5%	46,592,849
2	SPACE COAST	10	7,798	21.5%	
3	MARTIN SOLAR	75	38,991	14.3%	
4	Total	110	68,993	17.3%	

	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	93,303	\$4.60	907	\$108.27	6,910	\$55.54
6	SPACE COAST	30,757	\$4.60	273	\$108.27	2,526	\$55.54
7	MARTIN SOLAR	233,041	\$4.60	2,447	\$108.27	9,350	\$55.54
8	Total	357,101	\$1,642,123	3,627	\$392,699	18,786	\$1,043,357

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	19,458	23	33	1.65
10	SPACE COAST	6,918	8	12	0.63
11	MARTIN SOLAR	33,000	46	46	2.05
12	Total	59,376	77	91	4.33

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$376,469	\$5,375,098	\$2,094,619	(\$771,680)	\$0	\$7,074,506
14	SPACE COAST	\$75,134	\$2,503,554	\$974,986	(\$321,755)	\$0	\$3,231,919
15	MARTIN SOLAR	\$1,604,126	\$15,719,930	\$5,823,923	(\$2,114,520)	\$0	\$21,033,459
16	Total	\$2,055,729	\$23,598,583	\$8,893,528	(\$3,207,955)	\$0	\$31,339,884

- (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.