



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

November 20, 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 October 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 20th day of November 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: October 2015

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	11,572	(50)	(18)	(340)
2	10,753	(50)	(17)	(405)
3	10,212	(50)	(17)	(437)
4	9,889	(49)	(17)	(437)
5	9,812	(49)	(17)	(429)
6	10,231	(50)	(17)	(469)
7	11,143	(52)	(17)	(492)
8	11,621	186	65	(503)
9	12,289	6,258	1,557	(505)
10	13,549	12,771	3,648	2,452
11	14,784	15,060	5,170	10,706
12	15,765	15,044	6,581	19,842
13	16,538	13,938	6,378	24,716
14	17,153	13,089	6,451	24,966
15	17,559	12,950	5,710	24,623
16	17,730	12,492	4,819	26,257
17	17,705	12,017	3,385	24,926
18	17,328	9,099	1,827	21,416
19	16,756	1,757	309	15,237
20	16,749	(69)	(22)	6,066
21	16,160	(54)	(20)	1,629
22	15,162	(52)	(19)	(209)
23	13,997	(51)	(19)	(277)
24	12,688	(51)	(18)	(288)

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

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	3,845	20.7%	0.04%	9,949,765
2	SPACE COAST	10	1,416	19.0%	0.01%	
3	MARTIN SOLAR	75	6,139	11.0%	0.06%	
4	Total	110	11,401	13.9%	0.11%	

	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	22,904	\$4.39	351	\$101.46	847	\$60.07
6	SPACE COAST	9,034	\$4.39	98	\$101.46	295	\$60.07
7	MARTIN SOLAR	50,092	\$4.39	679	\$101.46	695	\$60.07
8	Total	82,030	\$360,325	1,128	\$114,481	1,837	\$110,353

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	3,006	4	4	0.21
10	SPACE COAST	1,121	2	1	0.08
11	MARTIN SOLAR	4,495	8	4	0.23
12	Total	8,622	14	9	0.53

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$87,285	\$1,044,242	\$419,373	(\$154,336)	\$0	\$1,396,564
14	SPACE COAST	\$17,958	\$484,789	\$195,442	(\$64,351)	\$0	\$633,839
15	MARTIN SOLAR	\$388,533	\$3,049,314	\$1,163,771	(\$422,904)	\$0	\$4,178,714
16	Total	\$493,777	\$4,578,345	\$1,778,586	(\$641,591)	\$0	\$6,209,116

- (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 - October) 2015

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1	DESOTO	25	44,077	24.2%	99,682,975
2	SPACE COAST	10	15,314	21.0%	
3	MARTIN SOLAR	75	83,741	15.3%	
4	Total	110	143,132	17.8%	

	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	242,758	\$4.58	4,070	\$102.73	10,936	\$55.55
6	SPACE COAST	83,394	\$4.58	1,334	\$102.73	3,863	\$55.55
7	MARTIN SOLAR	630,756	\$4.58	9,568	\$102.73	14,086	\$55.55
8	Total	956,908	\$4,385,190	14,972	\$1,538,039	28,886	\$1,604,643

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	37,373	55	57	2.72
10	SPACE COAST	13,067	19	20	0.99
11	MARTIN SOLAR	68,826	107	77	3.47
12	Total	119,266	181	154	7.18

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$772,578	\$10,629,026	\$4,190,576	(\$1,543,360)	\$0	\$14,048,819
14	SPACE COAST	\$202,692	\$4,948,436	\$1,951,207	(\$643,510)	\$0	\$6,458,825
15	MARTIN SOLAR	\$3,218,783	\$31,088,699	\$11,642,067	(\$4,229,040)	\$0	\$41,720,509
16	Total	\$4,194,052	\$46,666,160	\$17,783,851	(\$6,415,910)	\$0	\$62,228,153

- (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.