



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 21, 2016

-VIA ELECTRONIC FILING -

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

Re: Docket No. 160007-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 2016, 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. 160007-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by electronic service on this 21st day of November 2016, 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

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
christensen.patty@leg.state.fl.us
rehwinkel.charles@leg.state.fl.us

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

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

Matthew R. Bernier, Senior Counsel
Duke Energy Florida, Inc.
106 East College Avenue
Suite 800
Tallahassee, FL 32301
Matthew.bernier@duke-energy.com

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

James W. Brew, Esq.
Laura A. Wynn, Esq.
Attorneys for PCS Phosphate - White Springs
Agricultural Chemicals, Inc.
Stone Mattheis Xenopoulos & Brew, PC
1025 1025 Thomas Jefferson St., NW
Eighth Floor, West Tower
Washington, DC 20007
jbrew@smxblaw.com
laura.wynn@smxblaw.com

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

Robert L. McGee, Jr.
Regulatory and Pricing Manager
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 2016

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	11,508	(49)	(16)	(268)
2	10,737	(49)	(16)	(311)
3	10,214	(48)	(16)	(352)
4	9,910	(48)	(16)	(365)
5	9,860	(48)	(16)	(377)
6	10,241	(49)	(16)	(359)
7	11,062	(51)	(16)	(432)
8	11,552	203	35	(428)
9	12,231	7,386	1,142	(534)
10	13,406	14,308	3,173	816
11	14,520	15,852	5,076	5,363
12	15,459	15,372	5,823	8,368
13	16,192	15,157	6,241	8,247
14	16,772	14,264	5,929	9,581
15	17,104	13,634	5,689	11,220
16	17,277	13,134	4,890	12,061
17	17,200	11,897	3,303	12,573
18	16,858	8,001	1,802	10,214
19	16,346	1,457	205	6,570
20	16,344	(69)	(28)	3,608
21	15,790	(54)	(20)	568
22	14,818	(51)	(16)	(202)
23	13,723	(50)	(16)	(229)
24	12,526	(50)	(16)	(236)

Florida Power & Light Company
Actual Data for Next Generation Solar Centers
Environmental Cost Recovery Clause
Period of: October 2016

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	4,031	21.7%	0.04%	9,907,473
2	SPACE COAST	10	1,336	18.0%	0.01%	
3	MARTIN SOLAR	75	2,638	4.7%	0.03%	
4	Total	110	8,006	9.8%	0.08%	

	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	21,079	\$4.12	418	\$93.76	684	\$74.74
6	SPACE COAST	6,776	\$4.12	135	\$93.76	228	\$74.74
7	MARTIN SOLAR	17,024	\$4.12	494	\$93.76	355	\$74.74
8	Total	44,879	\$184,694	1,046	\$98,063	1,267	\$94,667

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	2,991	3.4	3.8	0.02
10	SPACE COAST	980	1.1	1.3	0.01
11	MARTIN SOLAR	2,042	2.0	2.3	0.01
12	Total	6,013	6.5	7.3	0.03

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$49,011	\$1,009,637	\$421,226	(\$154,336)	\$0	\$1,325,538
14	SPACE COAST	\$23,326	\$467,551	\$195,406	(\$64,351)	\$0	\$621,932
15	MARTIN SOLAR	\$324,138	\$2,956,162	\$1,165,047	(\$422,904)	\$0	\$4,022,443
16	Total	\$396,474	\$4,433,351	\$1,781,678	(\$641,591)	\$0	\$5,969,912

- (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) 2016

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	42,444	23.2%	0.04%	101,381,356
2	SPACE COAST	10	15,699	21.4%	0.02%	
3	MARTIN SOLAR	75	68,342	12.4%	0.07%	
4	Total	110	126,486	15.7%	0.12%	

	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	232,517	\$3.90	4,574	\$94.57	7,163	\$65.72
6	SPACE COAST	87,121	\$3.90	1,681	\$94.57	2,624	\$65.72
7	MARTIN SOLAR	406,601	\$3.90	5,265	\$94.57	11,534	\$65.72
8	Total	726,239	\$2,830,300	11,520	\$1,089,482	21,320	\$1,401,227

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	30,096	32.5	27.0	0.19
10	SPACE COAST	11,166	12.1	10.2	0.07
11	MARTIN SOLAR	49,035	50.7	42.0	0.29
12	Total	90,297	95.3	79.2	0.55

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$583,036	\$10,337,057	\$4,208,922	(\$1,688,696)	\$0	\$13,440,319
14	SPACE COAST	\$160,608	\$4,733,985	\$1,954,259	(\$643,510)	\$0	\$6,205,342
15	MARTIN SOLAR	\$2,945,809	\$29,868,019	\$11,651,971	(\$4,229,040)	\$0	\$40,236,759
16	Total	\$3,689,452	\$44,939,062	\$17,815,151	(\$6,561,246)	\$0	\$59,882,419

- (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.