



Maria J. Moncada
Senior Attorney
Florida Power & Light Company
700 Universe Boulevard
Juno Beach, FL 33408-0420
(561) 304-5795
(561) 691-7135 (Facsimile)
E-mail: maria.moncada@fpl.com

May 21, 2018

-VIA ELECTRONIC FILING-

Carlotta Stauffer, Director
Division of Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

Re: Docket No. 20180007-EI Environmental Cost Recovery Clause

Dear Ms. Stauffer:

Attached for electronic filing in the above docket is Florida Power & Light Company's Solar Plant Operation Status Report for the month of April 2018, 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.

Please contact me if you have or your Staff has any questions regarding this filing.

Sincerely,

s/ Maria J. Moncada
Maria J. Moncada

Attachments

cc: Counsel for Parties of Record

CERTIFICATE OF SERVICE
Docket No. 20180007-EI

I **HEREBY CERTIFY** that a true and correct copy of the foregoing has been furnished by electronic service on this 21st day of May 2018 to the following:

Charles Murphy, Esq.
Stephanie Cuello, Esq.
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850
Cmurphy@psc.state.fl.us
Scuello@psc.state.fl.us

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
rehwinkel.charles@leg.state.fl.us

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

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

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

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

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

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

Jeffrey A. Stone
Rhonda J. Alexander
Gulf Power Company
One Energy Place
Pensacola, Florida 32520-0780
jastone@southernco.com
rjalexad@southernco.com

George Cavros
120 E. Oakland Park Blvd., Suite 105
Fort Lauderdale, Florida 33334
george@cavros-law.com
Southern Alliance for Clean Energy

James W. Brew, Esq.
Laura A. Wynn, Esq.
Stone, Mattheis, Xenopoulos & Brew, P.C.
1025 Thomas Jefferson Street, N.W.
Eighth Floor, West Tower
Washington, D.C. 20007
jbrew@smxblaw.com
law@smxblaw.com
*Attorneys for White Springs Agricultural
Chemicals, Inc. d/b/a/ PCS Phosphate – White
Springs*

By: *s/ Maria J. Moncada*

Maria J. Moncada
Florida Bar No. 0773301

Florida Power & Light Company
 Actual Data for Next Generation Solar Centers
 Environmental Cost Recovery Clause
 Period of: April 2018

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	10,608	(52)	(17)	(227)
2	9,744	(52)	(18)	(279)
3	9,201	(51)	(18)	(356)
4	8,882	(50)	(19)	(370)
5	8,823	(50)	(20)	(384)
6	9,229	(51)	(21)	(403)
7	10,120	(54)	(21)	(428)
8	10,718	1,930	314	(445)
9	11,699	10,471	1,846	(390)
10	12,846	14,590	4,064	4,545
11	13,885	17,444	5,936	17,691
12	14,713	18,006	7,181	28,407
13	15,405	17,925	7,604	34,381
14	16,011	17,853	8,074	34,117
15	16,468	17,854	7,313	34,796
16	16,819	17,219	6,570	33,020
17	17,006	15,760	4,932	30,058
18	16,915	14,595	3,137	27,336
19	16,412	10,012	1,199	24,548
20	15,666	1,235	127	15,878
21	15,420	(68)	(24)	3,540
22	14,520	(56)	(19)	(74)
23	13,264	(54)	(16)	(176)
24	11,833	(53)	(16)	(189)

Florida Power & Light Company
Actual Data for Next Generation Solar Centers
Environmental Cost Recovery Clause
Period of: April 2018

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	5,229	29.1%	0.06%	9,450,370
2	SPACE COAST	10	1,743	24.2%	0.02%	
3	MARTIN SOLAR	75	8,538	15.8%	0.09%	
4	Total	110	15,510	19.6%	0.16%	

	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	40,718	\$4.31	32	\$73.30	0	\$0.00
6	SPACE COAST	13,514	\$4.31	12	\$73.30	0	\$0.00
7	MARTIN SOLAR	66,144	\$4.31	41	\$73.30	0	\$0.00
8	Total	120,375	\$518,708	85	\$6,209	0	\$0

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	2,424	0.9	0.1	0.00
10	SPACE COAST	805	0.3	0.0	0.00
11	MARTIN SOLAR	3,933	1.4	0.1	0.00
12	Total	7,163	2.6	0.2	0.00

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$24,586	\$789,983	\$433,094	(\$148,208)	\$0	\$1,099,455
14	SPACE COAST	\$15,600	\$366,154	\$195,565	(\$62,871)	\$0	\$514,448
15	MARTIN SOLAR	\$320,185	\$2,365,631	\$1,022,973	(\$402,196)	\$0	\$3,306,593
16	Total	\$360,370	\$3,521,768	\$1,651,632	(\$613,275)	\$0	\$4,920,495

- (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) 2018

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1	DESOTO	25	16,530	23.0%	36,291,531
2	SPACE COAST	10	6,201	21.5%	
3	MARTIN SOLAR	75	21,375	9.9%	
4	Total	110	44,106	13.9%	

	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	115,427	\$4.45	251	\$74.77	915	\$40.71
6	SPACE COAST	43,493	\$4.45	93	\$74.77	341	\$40.71
7	MARTIN SOLAR	149,794	\$4.45	79	\$74.77	986	\$40.71
8	Total	308,715	\$1,374,109	423	\$31,628	2,242	\$91,294

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	8,585	3.6	0.7	0.02
10	SPACE COAST	3,227	1.4	0.3	0.01
11	MARTIN SOLAR	10,653	4.3	0.3	0.02
12	Total	22,464	9.3	1.3	0.05

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$131,141	\$3,178,976	\$1,732,372	(\$592,832)	\$0	\$4,449,656
14	SPACE COAST	\$100,741	\$1,473,110	\$782,512	(\$251,484)	\$0	\$2,104,879
15	MARTIN SOLAR	\$1,454,246	\$9,505,821	\$4,092,265	(\$1,608,784)	\$0	\$13,443,548
16	Total	\$1,686,128	\$14,157,907	\$6,607,149	(\$2,453,100)	\$0	\$19,998,083

- (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.