



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

July 20, 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 June 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 20th day of July 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

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

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

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

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, Florida 32301
Matthew.bernier@duke-energy.com

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: June 2018

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	12,900	(54)	(18)	(331)
2	11,961	(53)	(18)	(375)
3	11,309	(53)	(18)	(418)
4	10,909	(53)	(18)	(422)
5	10,726	(53)	(18)	(417)
6	11,006	(54)	(18)	(412)
7	11,550	(0)	10	(429)
8	12,378	5,033	659	(674)
9	13,805	12,848	2,256	(664)
10	15,431	15,607	4,132	1,458
11	16,932	16,893	5,622	6,979
12	18,234	16,810	6,523	16,150
13	19,170	15,875	7,458	22,429
14	19,825	15,763	6,446	24,013
15	20,097	13,103	6,091	24,151
16	20,051	11,996	5,507	19,930
17	19,814	10,416	4,058	12,369
18	19,400	8,231	2,555	11,044
19	18,790	5,745	1,044	8,297
20	17,938	2,254	254	6,992
21	17,415	(19)	(23)	2,009
22	16,711	(57)	(26)	(73)
23	15,503	(54)	(21)	(286)
24	14,150	(54)	(19)	(289)

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

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	4,502	25.0%	0.04%	11,335,024
2	SPACE COAST	10	1,572	21.8%	0.01%	
3	MARTIN SOLAR	75	4,531	8.4%	0.04%	
4	Total	110	10,606	13.4%	0.09%	

	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	35,333	\$4.24	670	\$87.93	294	\$42.67
6	SPACE COAST	12,776	\$4.24	189	\$87.93	90	\$42.67
7	MARTIN SOLAR	39,577	\$4.24	452	\$87.93	283	\$42.67
8	Total	87,686	\$371,901	1,311	\$115,300	667	\$28,453

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	2,928	1.4	0.1	0.01
10	SPACE COAST	1,003	0.5	0.0	0.00
11	MARTIN SOLAR	3,053	1.4	0.0	0.01
12	Total	6,984	3.2	0.1	0.02

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$37,899	\$783,645	\$433,006	(\$148,208)	\$0	\$1,106,342
14	SPACE COAST	\$13,610	\$363,324	\$195,486	(\$62,871)	\$0	\$509,549
15	MARTIN SOLAR	\$247,866	\$2,352,005	\$1,022,862	(\$402,196)	\$0	\$3,220,537
16	Total	\$299,375	\$3,498,974	\$1,651,355	(\$613,275)	\$0	\$4,836,429

- (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 - June) 2018

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	24,588	22.6%	0.04%	58,000,178
2	SPACE COAST	10	9,125	21.0%	0.02%	
3	MARTIN SOLAR	75	28,653	8.8%	0.05%	
4	Total	110	62,366	13.1%	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	181,008	\$4.39	1,132	\$80.97	1,210	\$41.16
6	SPACE COAST	67,912	\$4.39	362	\$80.97	431	\$41.16
7	MARTIN SOLAR	212,397	\$4.39	1,088	\$80.97	1,269	\$41.16
8	Total	461,316	\$2,024,465	2,582	\$209,044	2,909	\$119,747

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	13,406	5.9	1.3	0.03
10	SPACE COAST	4,959	2.2	0.5	0.01
11	MARTIN SOLAR	15,349	6.7	1.6	0.03
12	Total	33,714	14.7	3.4	0.07

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$198,759	\$4,749,411	\$2,598,441	(\$889,248)	\$0	\$6,657,362
14	SPACE COAST	\$171,650	\$2,201,173	\$1,173,479	(\$377,226)	\$0	\$3,169,075
15	MARTIN SOLAR	\$2,027,703	\$14,216,640	\$6,137,989	(\$2,413,176)	\$0	\$19,969,156
16	Total	\$2,398,111	\$21,167,223	\$9,909,909	(\$3,679,650)	\$0	\$29,795,593

- (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.