



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

October 21, 2019

-VIA ELECTRONIC FILING-

Adam Teitzman
Division of Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

Re: Docket No. 20190007-EI Environmental Cost Recovery Clause

Dear Mr. Teitzman:

Attached for electronic filing in the above docket is Florida Power & Light Company's Solar Plant Operation Status Report for the month of September 2019, 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 (w/ attachments)

CERTIFICATE OF SERVICE
Docket No. 20190007-EI

I **HEREBY CERTIFY** that a true and correct copy of the foregoing has been furnished
by electronic service on this 21st day of October 2019 to the following:

Ashley Weisenfield
Charles Murphy
Office of General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
aweisenf@psc.state.fl.us
cmurphy@psc.state.fl.us

Steven Griffin
Beggs & Lane Law Firm
P.O. Box 12950
Pensacola, FL 32591
srg@beggslane.com
Attorneys for Gulf Power Company

Russell A. Badders
Vice President & General Counsel
One Energy Place, Bin 100
Pensacola, FL 32520-0100
russell.badders@nexteraenergy.com
Attorney for Gulf Power Company

Holly Henderson
Senior Manager Regulatory Affairs
Gulf Power Company
215 South Monroe Street, Suite 618
Tallahassee, FL 32301
holly.henderson@nexteraenergy.com

J.R. Kelly
Patricia Ann Christensen
Charles Rehwinkel
Thomas A. David
Virginia Ponder
Stephanie Morse
Office of Public Counsel
c/o The Florida Legislature
111 West Madison St., Room 812
Tallahassee, FL 32399-1400
kelly.jr@leg.state.fl.us
christensen.patty@leg.state.fl.us
rehwinkel.charles@leg.state.fl.us
david.tad@leg.state.fl.us
ponder.virginia@leg.state.fl.us
morse.stephanie@leg.state.fl.us

Paula Brown
Tampa Electric Company
P.O. Box 111
Tampa, FL 33601-0111
(813) 228-1444
(813) 228-1770
regdept@tecoenergy.com

James D. Beasley, Esq.
J. Jeffrey Wahlen, Esq.
Malcolm N. Means
Ausley & McMullen
P.O. Box 391
Tallahassee, FL 32302
jbeasley@ausley.com
jwahlen@ausley.com
mmeans@ausley.com
Attorneys for Tampa Electric Company

Dianne M. Triplett
299 First Avenue North
St. Petersburg, FL 33701
Dianne.triplett@duke-energy.com
Attorney for Duke Energy Florida

Matthew R. Bernier, Esq.
106 East College Avenue, Suite 800
Tallahassee, FL 32301
Matthew.bernier@duke-energy.com
Attorney for Duke Energy Florida

Jon C. Moyle, Jr.
Moyle Law Firm, PA
Users Groups
118 North Gadsden Street
Tallahassee, FL 32301
(850) 681-3828
(850) 681-8788
jmoyle@moylelaw.com
**Attorneys for Florida Industrial Power
Users Group**

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: September 2019

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	13,653	(57)	(18)	(336)
2	12,792	(56)	(18)	(340)
3	12,189	(56)	(18)	(341)
4	11,791	(55)	(18)	(329)
5	11,645	(55)	(18)	(321)
6	11,935	(56)	(18)	(341)
7	12,565	(58)	(18)	(369)
8	12,861	835	154	(463)
9	13,880	9,681	1,518	(783)
10	15,456	14,862	3,105	(13)
11	16,977	15,402	4,450	3,318
12	18,277	15,914	5,749	6,109
13	19,301	16,125	6,570	8,498
14	20,100	16,268	6,476	10,285
15	20,595	15,177	6,167	10,558
16	20,871	14,370	5,405	10,946
17	20,870	12,724	4,138	10,179
18	20,492	11,510	2,450	9,720
19	19,713	5,177	795	8,378
20	19,008	226	6	4,642
21	18,482	(67)	(27)	420
22	17,450	(59)	(22)	(307)
23	16,165	(58)	(20)	(319)
24	14,801	(58)	(19)	(310)

Florida Power & Light Company
Actual Data for Next Generation Solar Centers
Environmental Cost Recovery Clause
Period of: September 2019

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	4,429	24.6%	0.04%	11,784,444
2	SPACE COAST	10	1,403	19.5%	0.01%	
3	MARTIN SOLAR	75	2,354	4.4%	0.02%	
4	Total	110	8,187	10.3%	0.07%	

	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	37,108	\$3.58	139	\$72.99	217	\$45.22
6	SPACE COAST	11,768	\$3.58	60	\$72.99	82	\$45.22
7	MARTIN SOLAR	21,905	\$3.58	157	\$72.99	56	\$45.22
8	Total	70,781	\$253,692	356	\$25,982	355	\$16,031

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	2,645	1.2	0.4	0.00
10	SPACE COAST	871	0.4	0.2	0.00
11	MARTIN SOLAR	1,471	0.7	0.4	0.00
12	Total	4,987	2.3	0.9	0.01

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$78,807	\$753,072	\$433,359	(\$148,208)	\$0	\$1,117,030
14	SPACE COAST	\$22,061	\$350,227	\$195,492	(\$62,871)	\$0	\$504,908
15	MARTIN SOLAR	\$319,177	\$2,311,562	\$1,026,325	(\$402,196)	\$0	\$3,254,868
16	Total	\$420,045	\$3,414,860	\$1,655,176	(\$613,275)	\$0	\$4,876,805

- (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 - September) 2019

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1	DESOTO	25	37,011	22.6%	96,645,225
2	SPACE COAST	10	13,008	19.9%	
3	MARTIN SOLAR	75	25,695	5.2%	
4	Total	110	75,714	10.5%	

	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	294,737	\$4.09	1,897	\$76.83	1,526	\$44.19
6	SPACE COAST	103,221	\$4.09	685	\$76.83	577	\$44.19
7	MARTIN SOLAR	198,371	\$4.09	977	\$76.83	1,598	\$44.19
8	Total	596,330	\$2,437,279	3,559	\$273,416	3,701	\$163,529

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	21,052	9.9	3.8	0.04
10	SPACE COAST	7,458	3.5	1.4	0.01
11	MARTIN SOLAR	15,045	7.0	2.4	0.04
12	Total	43,556	20.4	7.6	0.09

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$650,686	\$6,708,869	\$3,899,362	(\$1,333,872)	\$0	\$9,925,044
14	SPACE COAST	\$206,738	\$3,115,872	\$1,759,426	(\$565,839)	\$0	\$4,516,197
15	MARTIN SOLAR	\$2,759,214	\$20,470,297	\$9,234,562	(\$3,619,764)	\$0	\$28,844,309
16	Total	\$3,616,638	\$30,295,038	\$14,893,350	(\$5,519,475)	\$0	\$43,285,550

- (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.