



Maria Jose Moncada
Assistant General Counsel
Florida Power & Light Company
700 Universe Boulevard
Juno Beach, FL 33408
(561) 304-5795
(561) 691-7135 (facsimile)
maria.moncada@fpl.com

June 20, 2024

-VIA ELECTRONIC FILING-

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

Re: Docket No. 20240007-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 May 2024 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) 304-5795.

Sincerely,

s/ Maria Jose Moncada

Maria Jose Moncada

Attachments

cc: Counsel for Parties of Record (w/ attachment)

Florida Power & Light Company

700 Universe Boulevard, Juno Beach, FL 33408

:22192253

CERTIFICATE OF SERVICE
Docket No. 20240007-EI

I **HEREBY CERTIFY** that a true and correct copy of the foregoing has been furnished
by electronic service on this 20th day of June 2024 to the following:

Adria Harper
Jacob Imig
Office of General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850
aharper@psc.state.fl.us
jimig@psc.state.fl.us

J. Jeffry Wahlen
Malcolm N. Means
Virginia Ponder
Ausley McMullen
Post Office Box 391
Tallahassee, Florida 32302
jwahlen@ausley.com
mmeans@ausley.com
vponder@ausley.com
Attorneys for Tampa Electric Company

Paula K. Brown
Manager, Regulatory Coordination
Tampa Electric Company
Post Office Box 111
Tampa, Florida 33601-0111
regdept@tecoenergy.com

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

Matthew R. Bernier
Stephanie A. Cuello
Robert L. Pickels
106 East College Avenue, Suite 800
Tallahassee, Florida 32301
matt.bernier@duke-energy.com
stephanie.cuello@duke-energy.com
robert.pickels@duke-energy.com
FLRegulatoryLegal@duke-energy.com
Attorneys for Duke Energy Florida, LLC

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

Mary A. Wessling
Patricia A. Christensen
Octavio Ponce
Austin Watrous
Charles J. Rehwinkel
Walt Trierweiler
Office of Public Counsel
The Florida Legislature
111 W. Madison Street, Room 812
Tallahassee, Florida 32399
wessling.mary@leg.state.fl.us
christensen.patty@leg.state.fl.us
ponce.octavio@leg.state.fl.us
watrous.austin@leg.state.fl.us
rehwinkel.charles@leg.state.fl.us
trierweiler.walt@leg.state.fl.us
**Attorneys for the Citizens of the State of
Florida**

James W. Brew
Laura Wynn Baker
Sarah B. Newman
Stone Mattheis Xenopoulos & Brew, P.C.
1025 Thomas Jefferson Street, NW
Eighth Floor, West Tower
Washington, DC 20007
jbrew@smxblaw.com
lwb@smxblaw.com
sbn@smxblaw.com
**Attorneys for White Springs
Agricultural Chemicals, Inc.
d/b/a PCS Phosphate -White Springs**

Peter J. Mattheis
Michael K. Lavanga
Joseph R. Briscar
Stone Mattheis Xenopoulos & Brew, PC
1025 Thomas Jefferson Street, NW
Eighth Floor, West Tower
Washington, DC 20007
pjm@smxblaw.com
mkl@smxblaw.com
jrb@smxblaw.com
Attorneys for Nucor Steel Florida, Inc.

By: s/Maria Jose Moncada
Maria Jose Moncada
Florida Bar No. 0773301

Florida Power & Light Company
 Actual Data for Next Generation Solar Centers
 Environmental Cost Recovery Clause
 Period of: May 2024

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	16,134	(61)	(42)	0
2	14,945	(61)	(41)	0
3	14,099	(60)	(42)	0
4	13,538	(59)	(42)	0
5	13,280	(60)	(42)	0
6	13,459	(60)	(42)	0
7	14,028	(52)	(38)	0
8	14,629	1,716	205	0
9	16,127	6,243	870	0
10	17,864	8,682	1,734	0
11	19,490	9,783	2,605	0
12	20,997	10,567	3,063	0
13	22,243	10,481	3,409	0
14	23,259	10,222	3,725	0
15	23,947	10,169	3,554	0
16	24,455	9,791	3,240	0
17	24,715	8,815	2,444	0
18	24,614	7,664	1,499	0
19	24,007	4,859	670	0
20	22,930	1,006	92	0
21	22,068	(51)	(49)	0
22	21,001	(65)	(43)	0
23	19,417	(62)	(42)	0
24	17,767	(61)	(42)	0

Florida Power & Light Company
Actual Data for Next Generation Solar Centers
Environmental Cost Recovery Clause
Period of: May 2024

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	3,080	16.6%	0.02%	14,194,043
2	SPACE COAST	10	826	11.1%	0.01%	
3	MARTIN SOLAR	75	0	0.0%	0.00%	
4	Total	110	3,906	4.8%	0.03%	

	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	29,473	\$3.46	190	\$105.20	0	\$0.00
6	SPACE COAST	8,084	\$3.46	18	\$105.20	0	\$0.00
7	MARTIN SOLAR	0	\$3.46	0	\$105.20	0	\$0.00
8	Total	37,557	\$129,819	208	\$21,866	0	\$0.00

	CO ₂ Reductions (Tons)	Nox Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	1,842	0.61	0.01	0.00
10	SPACE COAST	489	0.15	0.00	0.00
11	MARTIN SOLAR	0	0.00	0.00	0.00
12	Total	2,332	0.77	0.01	0.00

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$28,011	\$625,903	\$381,425	(\$116,188)	\$0	\$919,150
14	SPACE COAST	\$5,300	\$293,243	\$178,126	(\$50,634)	\$0	\$426,034
15	MARTIN SOLAR	\$0	\$2,045,381	\$0	⁽⁷⁾ \$821,262	\$0	\$2,866,642
16	Total	\$33,311	\$2,964,527	\$559,551	\$654,439	\$0	\$4,508,238

- (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. For Martin Solar, Carrying Costs also includes return on regulatory asset beginning in February 2023 per Order No. PSC-0424-FOF-EI.
- (5) Capital cost data represents depreciation expense on net investment.
- (6) Other cost data represents dismantlement costs and amortization on ITC. For Martin Solar, Other also includes the amortization of regulatory asset.
- (7) For Martin Solar, all amortization is reflected in other.

Florida Power & Light Company
Actual Data for Next Generation Solar Centers
Environmental Cost Recovery Clause
Period of: Year-to-Date (January - May) 2024

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1	DESOTO	25	12,834	14.2%	55,242,736
2	SPACE COAST	10	4,208	11.6%	
3	MARTIN SOLAR	75	0	0.0%	
4	Total	110	17,041	4.3%	

	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	107,066	\$3.78	301	\$110.47	0	\$0.00
6	SPACE COAST	34,867	\$3.78	51	\$110.47	0	\$0.00
7	MARTIN SOLAR	0	\$3.78	0	\$110.47	0	\$0.00
8	Total	141,933	\$535,981	352	\$38,897	0	\$0.00

	CO ₂ Reductions (Tons)	Nox Reductions (Tons)	SO ₂ Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	6,485	2.31	0.03	0.00
10	SPACE COAST	2,089	0.74	0.01	0.00
11	MARTIN SOLAR	0	0.00	0.00	0.00
12	Total	8,573	3.04	0.04	0.00

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$89,617	\$3,159,354	\$1,907,179	(\$580,941)	\$0	\$4,575,208
14	SPACE COAST	\$64,431	\$1,479,899	\$890,645	(\$253,171)	\$0	\$2,181,804
15	MARTIN SOLAR	\$0	\$10,341,793	⁽⁷⁾ \$296,410	⁽⁷⁾ \$3,809,888	\$0	\$14,448,090
16	Total	\$154,048	\$14,981,046	\$3,094,234	\$2,975,775	\$0	\$21,205,103

- (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. For Martin Solar, Carrying Costs also includes return on regulatory asset beginning in February 2023 per Order No. PSC-0424-FOF-EI.
- (5) Capital cost data represents depreciation expense on net investment.
- (6) Other cost data represents dismantlement costs and amortization on ITC. For Martin Solar, Other also includes a portion of the amortization of the regulatory asset for January through March, and the entire amount of the monthly amortization for April.
- (7) For Martin Solar, the Capital amount represents a portion of amortization for January-March. Beginning April 2024 all amortization is reflected in "other"