



Stephanie A. Cuello
SENIOR COUNSEL

November 26, 2025

VIA ELECTRONIC FILING

Adam J. Teitzman, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Duke Energy Florida, LLC's Solar Plant Operation Status Report;
Docket No. 20250007-EI

Dear Mr. Teitzman:

Enclosed for filing on behalf of Duke Energy Florida, LLC ("DEF") is DEF's Solar Plant Operation Status Report for the month of October 2025, in accordance with Paragraph 15a. of the 2017 Second Revised and Restated Settlement Agreement, which was approved in Order No. PSC-2017-0451-AS-EU, dated November 20, 2017.

Thank you for your assistance in this matter and if you have any questions, please feel free to contact me at (850) 521-1425.

Sincerely,

/s/ Stephanie A. Cuello

Stephanie A. Cuello

SAC/vr
Attachment

CERTIFICATE OF SERVICE

Docket No. 20250007-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 26th day of November, 2025.

/s/ Stephanie A. Cuello

Attorney

Adria Harper / Jacob Imig / Carlos Marquez Office of General Counsel Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 aharper@psc.state.fl.us jimig@psc.state.fl.us cmarquez@psc.state.fl.us J. Wahlen / M. Means / V. Ponder Ausley McMullen Tampa Electric Company P.O. Box 391 Tallahassee, FL 32302 jwahlen@ausley.com mmeans@ausley.com vponder@ausley.com Jon C. Moyle, Jr. Moyle Law Firm, P.A. FIPUG 118 North Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com Maria Jose Moncada / Joel T. Baker Florida Power & Light Company 700 Universe Boulevard (LAW/JB) Juno Beach, FL 33408-0420 maria.moncada@fpl.com joel.baker@fpl.com Kenneth A. Hoffman Florida Power & Light Company 134 W. Jefferson Street Tallahassee, FL 32301-1713 ken.hoffman@fpl.com	W. Trierweiler / P. Christensen / C. Rehwinkel / M. Wessling / O. Ponce / A. Watrous Office of Public Counsel 111 West Madison Street, Room 812 Tallahassee, FL 32399-1400 Trierweiler.walt@leg.state.fl.us christensen.patty@leg.state.fl.us rehwinkel.charles@leg.state.fl.us wessling.mary@leg.state.fl.us ponce.octavio@leg.state.fl.us watrous.austin@leg.state.fl.us Paula K. Brown Tampa Electric Company Regulatory Affairs P.O. Box 111 Tampa, FL 33601 regdept@tecoenergy.com James W. Brew / Laura Wynn Baker / Sarah B. Newman Stone Mattheis Xenopoulos & Brew, P.C. PCS Phosphate –White Springs 1025 Thomas Jefferson Street, NW Eighth Floor, West Tower Washington, DC 20007 jbrew@smxblaw.com lwb@smxblaw.com sbn@smxblaw.com Peter J. Mattheis / Michael K. Lavanga / Joseph R. Briscar Stone Mattheis Xenopoulos & Brew, PC NUCOR 1025 Thomas Jefferson Street, NW Eighth Floor, West Tower Washington, DC 20007 pjm@smxblaw.com mkl@smxblaw.com jrb@smxblaw.com
---	--

Duke Energy Florida, LLC
 Actual Data for Solar Generation Facilities
 Solar Base Rate Adjustment (SoBRA) Reporting
October, 2025

			AVERAGE HOURLY NET OUTPUT (MWh)	AVERAGE HOURLY NET OUTPUT (MWh)	AVERAGE HOURLY NET OUTPUT (MWh)	AVERAGE HOURLY NET OUTPUT (MWh)	AVERAGE HOURLY NET OUTPUT (MWh)	AVERAGE HOURLY NET OUTPUT (MWh)	AVERAGE HOURLY NET OUTPUT (MWh)	AVERAGE HOURLY NET OUTPUT (MWh)	AVERAGE HOURLY NET OUTPUT (MWh)	
	Hour of Day	System Firm Demand (MW)	Hamilton	Lake Placid	Trenton	Columbia	Debary	Santa Fe	Twin Rivers	Duette	Sandy Creek	Charlie Creek
1	1	3,924.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	2	3,641.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	3	3,439.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	4	3,327.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	5	3,314.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	6	3,457.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	7	3,727.6	0.3	0.6	0.4	0.7	0.4	0.5	0.1	0.7	0.0	1.0
8	8	3,917.1	18.8	12.4	17.5	19.7	9.9	13.6	15.2	22.5	11.2	24.3
9	9	4,082.6	51.4	27.4	42.5	45.3	24.7	30.5	41.9	49.9	33.9	47.8
10	10	4,296.9	54.4	31.2	46.4	40.8	36.1	28.4	47.0	54.4	42.2	51.6
11	11	4,532.7	54.5	30.9	43.8	36.1	43.0	26.8	47.7	53.9	45.1	52.3
12	12	4,836.3	53.2	30.2	42.9	38.4	46.2	27.7	47.2	53.3	45.5	54.6
13	13	5,161.4	54.2	29.1	41.6	38.2	47.3	30.1	49.3	52.6	44.9	52.6
14	14	5,455.9	51.5	28.2	37.9	37.9	44.2	26.7	47.4	52.2	43.7	51.7
15	15	5,729.4	46.6	29.0	33.6	36.6	35.7	22.8	42.3	47.6	43.3	48.5
16	16	5,988.2	43.7	24.7	31.4	35.5	26.6	22.6	39.3	47.4	41.4	42.8
17	17	6,204.3	32.0	16.5	26.4	25.9	13.9	16.1	29.2	29.5	33.5	29.7
18	18	6,240.3	7.7	3.1	5.5	6.0	2.3	4.3	6.6	4.9	10.4	5.0
19	19	6,052.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	20	5,870.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	21	5,592.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	22	5,219.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	23	4,791.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	24	4,262.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

INTERNAL

Duke Energy Florida, LLC
Actual Data for Solar Generation Facilities
Solar Base Rate Adjustment (SoBRA) Reporting
PERIOD:
October, 2025

	Facility	Net Capability (MW)	Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation (MWh)
1	HAMILTON	74.9	14,516	26.0%	0.4%	3,541,403
1	LAKE PLACID	45.0	8,159	24.4%	0.2%	
1	TRENTON	74.9	11,469	20.6%	0.3%	
1	COLUMBIA	74.9	11,192	20.1%	0.3%	
1	DEBARY	74.5	10,237	18.5%	0.3%	
1	SANTA FE	74.9	7,751	13.9%	0.2%	
1	TWIN RIVERS	74.9	12,818	23.0%	0.4%	
1	DUETTE	74.5	14,538	26.2%	0.4%	
1	SANDY CREEK	74.9	12,247	22.0%	0.3%	
1	CHARLIE CREEK	74.9	14,321	25.7%	0.4%	
2	Total:	718.3	117,248.0	21.9%	3.3%	

	Facility	Natural Gas Displaced (MCF)	Cost of NG (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal (\$/Ton)
3	HAMILTON	76,721	\$3.71	118	\$103.34	2,132	\$58.15
3	LAKE PLACID	43,122	\$3.71	66	\$103.34	1,198	\$58.15
3	TRENTON	60,617	\$3.71	93	\$103.34	1,684	\$58.15
3	COLUMBIA	59,153	\$3.71	91	\$103.34	1,644	\$58.15
3	DEBARY	54,105	\$3.71	83	\$103.34	1,504	\$58.15
3	SANTA FE	40,966	\$3.71	63	\$103.34	1,138	\$58.15
3	TWIN RIVERS	67,746	\$3.71	104	\$103.34	1,883	\$58.15
3	DUETTE	76,837	\$3.71	118	\$103.34	2,135	\$58.15
3	SANDY CREEK	64,729	\$3.71	100	\$103.34	1,799	\$58.15
3	CHARLIE CREEK	75,690	\$3.71	116	\$103.34	2,103	\$58.15
4	Total:	619,686	\$2,300,558	953	\$98,518	17,220	\$1,001,427

	Facility	CO2 Reductions (Tons)	NOx Reduction (Tons)	SO2 Reduction (Tons)	Hg Reduction (lbs)
5	HAMILTON	9,041	4	2	0
5	LAKE PLACID	5,082	2	1	0
5	TRENTON	7,143	3	2	0
5	COLUMBIA	6,971	3	2	0
5	DEBARY	6,376	3	1	0
5	SANTA FE	4,827	2	1	0
5	TWIN RIVERS	7,983	3	2	0
5	DUETTE	9,054	4	2	0
5	SANDY CREEK	7,628	3	2	0
5	CHARLIE CREEK	8,919	4	2	0
6	Total:	73,024	30	17	2

	Facility	O&M (\$)	Carrying Costs (\$)	Capital (\$)	Other (\$)	Fuel Costs (\$)	Total Cost of Generation (\$)
7	HAMILTON	171,487	\$575,835	\$258,966	\$16,388	\$0	\$851,188
7	LAKE PLACID	187,175	\$263,391	\$118,733	\$8,683	\$0	\$390,806
7	TRENTON	147,691	\$533,382	\$231,104	\$17,550	\$0	\$782,036
7	COLUMBIA	145,992	\$591,055	\$246,589	\$17,645	\$0	\$855,289
7	DEBARY	(26,930)	\$485,575	\$202,579	\$14,286	\$0	\$702,440
7	SANTA FE	22,299	\$601,672	\$222,601	\$17,384	\$0	\$841,658
7	TWIN RIVERS	101,060	\$554,091	\$223,971	\$15,572	\$0	\$793,635
7	DUETTE	55,943	\$545,817	\$231,508	\$20,420	\$0	\$797,745
7	SANDY CREEK	171,031	\$538,702	\$209,874	\$16,083	\$0	\$764,659
7	CHARLIE CREEK	98,600	\$571,115	\$223,506	\$21,047	\$0	\$815,668
8	Total:	\$1,074,348	\$5,260,635	\$2,169,430	\$165,058	\$0	\$7,595,124

Notes:

Debary - Material Return

INTERNAL

Duke Energy Florida, LLC
Actual Data for Solar Generation Facilities
Solar Base Rate Adjustment (SoBRA) Reporting
YEAR-TO-DATE THROUGH:
October, 2025

	Facility	Net Capability (MW)	Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation (MWh)
1	HAMILTON	74.9	159,418	29.2%	0.4%	38,529,776
1	LAKE PLACID	45.0	59,382	18.1%	0.2%	
1	TRENTON	74.9	152,193	27.9%	0.4%	
1	COLUMBIA	74.9	139,751	25.6%	0.4%	
1	DEBARY	74.5	107,100	19.7%	0.3%	
1	SANTA FE	74.9	137,650	25.2%	0.4%	
1	TWIN RIVERS	74.9	146,019	26.7%	0.4%	
1	DUETTE	74.5	146,770	27.0%	0.4%	
1	SANDY CREEK	74.9	145,333	26.6%	0.4%	
1	CHARLIE CREEK	74.9	154,122	28.2%	0.4%	
2	Total:	718.3	1,347,738	25.7%	3.5%	

	Facility	Natural Gas Displaced (MCF)	Cost of NG (\$/MCF)	Oil Displaced (Bbls)	Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	Cost of Coal (\$/Ton)
3	HAMILTON	1,114,351	\$4.02	10,726	\$102.05	10,537	\$58.42
3	LAKE PLACID	410,361	\$3.99	3,479	\$102.04	4,191	\$57.89
3	TRENTON	1,071,731	\$4.00	10,441	\$101.73	9,917	\$58.38
3	COLUMBIA	980,126	\$4.01	9,242	\$102.27	9,099	\$58.01
3	DEBARY	745,767	\$4.05	6,724	\$102.22	6,939	\$58.38
3	SANTA FE	972,057	\$4.00	9,530	\$101.77	8,802	\$58.21
3	TWIN RIVERS	1,022,209	\$4.01	10,001	\$102.04	9,683	\$58.42
3	DUETTE	1,026,401	\$4.02	9,605	\$101.78	9,590	\$58.52
3	SANDY CREEK	1,016,309	\$4.00	9,707	\$101.84	9,746	\$58.19
3	CHARLIE CREEK	1,082,177	\$4.01	10,289	\$101.89	10,004	\$58.47
4	Total:	9,441,488	\$37,885,815	89,746	\$9,150,721	88,507	\$5,158,974

	Facility	CO2 Reductions (Tons)	NOx Reduction (Tons)	SO2 Reduction (Tons)	Hg Reduction (lbs)
5	HAMILTON	93,994	72	16	1
5	LAKE PLACID	35,027	25	6	0
5	TRENTON	90,016	70	15	1
5	COLUMBIA	82,241	63	14	1
5	DEBARY	62,467	46	10	1
5	SANTA FE	81,282	63	13	1
5	TWIN RIVERS	86,332	67	15	1
5	DUETTE	86,216	65	14	1
5	SANDY CREEK	85,966	66	14	1
5	CHARLIE CREEK	90,758	69	15	1
6	Total:	794,300	605	132	8

	Facility	O&M (\$)	Carrying Costs (\$)	Capital (\$)	Other (\$)	Fuel Costs (\$)	Total Cost of Generation (\$)
7	HAMILTON	1,512,400	\$5,878,208	\$2,599,029	\$163,880	\$0	\$8,641,118
7	LAKE PLACID	1,020,918	\$2,691,751	\$1,224,024	\$86,830	\$0	\$4,002,606
7	TRENTON	1,387,411	\$5,428,702	\$2,324,766	\$175,500	\$0	\$7,928,968
7	COLUMBIA	971,801	\$5,991,707	\$2,463,664	\$176,450	\$0	\$8,631,821
7	DEBARY	505,999	\$4,916,907	\$2,026,139	\$142,860	\$0	\$7,085,905
7	SANTA FE	434,802	\$6,107,235	\$2,306,546	\$173,840	\$0	\$8,587,622
7	TWIN RIVERS	1,027,417	\$5,628,155	\$2,235,444	\$155,720	\$0	\$8,019,319
7	DUETTE	527,900	\$5,568,918	\$3,074,052	\$204,200	\$0	\$8,847,170
7	SANDY CREEK	1,721,708	\$5,546,832	\$2,118,069	\$160,830	\$0	\$7,825,731
7	CHARLIE CREEK	1,081,630	\$5,859,473	\$2,254,998	\$210,470	\$0	\$8,324,941
8	Total:	\$10,191,986.00	\$53,617,889	\$22,626,731	\$1,650,580	\$0	\$77,895,200

Notes: