



Stephanie A. Cuello
SENIOR COUNSEL

December 30, 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 November 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/clg
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 30th day of December, 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
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Duke Energy Florida, LLC
 Actual Data for Solar Generation Facilities
 Solar Base Rate Adjustment (SoBRA) Reporting
November, 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)	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	3,383.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	2	3,178.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	3	3,080.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	4	3,029.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	5	3,081.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	6	3,265.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	7	3,606.5	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
8	8	3,848.9	7.6	6.5	8.5	10.2	6.7	6.0	6.2	11.5	5.4
9	9	3,943.4	35.7	23.5	38.6	39.5	24.2	28.9	31.1	42.2	30.7
10	10	3,958.4	49.9	28.6	51.9	50.4	40.9	39.5	44.6	52.2	47.6
11	11	3,996.8	52.9	28.6	51.6	51.5	50.5	41.8	47.6	51.8	47.5
12	12	4,085.2	51.8	27.9	49.3	51.5	55.6	41.9	47.3	49.5	49.6
13	13	4,252.1	49.8	27.3	47.9	49.2	54.9	39.1	45.5	47.3	49.3
14	14	4,428.1	50.5	27.9	48.1	48.8	50.5	37.9	45.4	46.4	48.3
15	15	4,607.0	50.3	26.3	45.9	47.5	40.9	36.1	45.9	47.2	47.8
16	16	4,770.7	47.5	24.5	41.9	44.4	28.5	33.2	42.7	42.6	47.3
17	17	4,885.0	28.0	12.6	24.3	25.6	12.0	17.4	26.0	20.8	30.8
18	18	4,957.9	1.7	1.0	1.5	1.8	0.6	1.5	1.8	1.6	4.0
19	19	4,980.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	20	4,780.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	21	4,553.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	22	4,306.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	23	3,955.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	24	3,634.1	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:
November, 2025

	Facility	Net Capability (MW)	Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation (MWh)
1	HAMILTON	74.9	12,767	23.7%	0.4%	2,981,136
1	LAKE PLACID	45.0	7,042	21.7%	0.2%	
1	TRENTON	74.9	12,288	22.8%	0.4%	
1	COLUMBIA	74.9	12,613	23.4%	0.4%	
1	DEBARY	74.5	10,964	20.4%	0.4%	
1	SANTA FE	74.9	9,695	18.0%	0.3%	
1	TWIN RIVERS	74.9	11,527	21.4%	0.4%	
1	DUETTE	74.5	12,395	23.1%	0.4%	
1	SANDY CREEK	74.9	12,249	22.7%	0.4%	
1	CHARLIE CREEK	74.9	13,086	24.3%	0.4%	
2	Total:	718.3	114,626.0	22.2%	3.8%	

	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	78,586	\$4.00	0	\$115.93	570	\$75.16
3	LAKE PLACID	43,346	\$4.00	0	\$115.93	315	\$75.16
3	TRENTON	75,637	\$4.00	0	\$115.93	549	\$75.16
3	COLUMBIA	77,638	\$4.00	0	\$115.93	563	\$75.16
3	DEBARY	67,488	\$4.00	0	\$115.93	490	\$75.16
3	SANTA FE	59,676	\$4.00	0	\$115.93	433	\$75.16
3	TWIN RIVERS	70,953	\$4.00	0	\$115.93	515	\$75.16
3	DUETTE	76,333	\$4.00	0	\$115.93	554	\$75.16
3	SANDY CREEK	75,397	\$4.00	0	\$115.93	547	\$75.16
3	CHARLIE CREEK	80,549	\$4.00	0	\$115.93	584	\$75.16
4	Total:	705,604	\$2,824,406	0	\$0	5,120	\$384,820

	Facility	CO2 Reductions (Tons)	NOx Reduction (Tons)	SO2 Reduction (Tons)	Hg Reduction (lbs)
5	HAMILTON	5,927	2	1	0
5	LAKE PLACID	3,269	1	0	0
5	TRENTON	5,704	2	1	0
5	COLUMBIA	5,855	2	1	0
5	DEBARY	5,090	1	0	0
5	SANTA FE	4,501	1	0	0
5	TWIN RIVERS	5,351	1	0	0
5	DUETTE	5,757	2	1	0
5	SANDY CREEK	5,686	2	1	0
5	CHARLIE CREEK	6,075	2	1	0
6	Total:	53,214	14	5	0

	Facility	O&M (\$)	Carrying Costs (\$)	Capital (\$)	Other (\$)	Fuel Costs (\$)	Total Cost of Generation (\$)
7	HAMILTON	90116	\$573,971	\$258,948	\$16,388	\$0	\$849,307
7	LAKE PLACID	85136	\$263,008	\$118,734	\$8,683	\$0	\$390,425
7	TRENTON	298884	\$531,713	\$231,104	\$17,550	\$0	\$780,366
7	COLUMBIA	103703	\$589,254	\$246,589	\$17,645	\$0	\$853,489
7	DEBARY	55267	\$484,673	\$202,891	\$14,286	\$0	\$701,849
7	SANTA FE	56271	\$600,026	\$222,601	\$17,384	\$0	\$840,012
7	TWIN RIVERS	81780	\$552,456	\$223,971	\$15,572	\$0	\$791,999
7	DUETTE	68565	\$544,096	\$231,508	\$20,420	\$0	\$796,024
7	SANDY CREEK	130030	\$537,246	\$209,894	\$16,083	\$0	\$763,222
7	CHARLIE CREEK	127619	\$569,468	\$223,506	\$21,047	\$0	\$814,021
8	Total:	\$1,097,371	\$5,245,910	\$2,169,746	\$165,058	\$0	\$7,580,714

Notes:

INTERNAL

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

	Facility	Net Capability (MW)	Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation (MWh)
1	HAMILTON	74.9	172,185	28.7%	0.4%	41,510,912
1	LAKE PLACID	45.0	66,424	18.4%	0.2%	
1	TRENTON	74.9	164,481	27.4%	0.4%	
1	COLUMBIA	74.9	152,364	25.4%	0.4%	
1	DEBARY	74.5	118,064	19.8%	0.3%	
1	SANTA FE	74.9	147,345	24.5%	0.4%	
1	TWIN RIVERS	74.9	157,546	26.2%	0.4%	
1	DUETTE	74.5	159,165	26.7%	0.4%	
1	SANDY CREEK	74.9	157,582	26.2%	0.4%	
1	CHARLIE CREEK	74.9	167,208	27.8%	0.4%	
2	Total:	718.3	1,462,364	25.4%	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	1,192,936	\$4.02	10,722	\$102.04	11,107	\$59.28
3	LAKE PLACID	453,707	\$3.99	3,477	\$102.03	4,505	\$59.09
3	TRENTON	1,147,369	\$4.00	10,438	\$101.73	10,465	\$59.26
3	COLUMBIA	1,057,764	\$4.01	9,238	\$102.27	9,662	\$59.01
3	DEBARY	813,254	\$4.05	6,721	\$102.21	7,429	\$59.49
3	SANTA FE	1,031,734	\$4.00	9,527	\$101.76	9,235	\$59.00
3	TWIN RIVERS	1,093,162	\$4.01	9,998	\$102.03	10,197	\$59.26
3	DUETTE	1,102,734	\$4.02	9,602	\$101.77	10,144	\$59.43
3	SANDY CREEK	1,091,706	\$4.00	9,704	\$101.84	10,293	\$59.09
3	CHARLIE CREEK	1,162,726	\$4.01	10,285	\$101.89	10,589	\$59.39
4	Total:	10,147,092	\$40,709,888	89,712	\$9,146,816	93,627	\$5,545,639

	Facility	CO2 Reductions (Tons)	NOx Reduction (Tons)	SO2 Reduction (Tons)	Hg Reduction (lbs)
5	HAMILTON	99,921	74	16	1
5	LAKE PLACID	38,296	26	6	0
5	TRENTON	95,721	71	16	1
5	COLUMBIA	88,096	64	14	1
5	DEBARY	67,556	48	11	1
5	SANTA FE	85,782	64	14	1
5	TWIN RIVERS	91,683	68	15	1
5	DUETTE	91,973	67	15	1
5	SANDY CREEK	91,653	67	15	1
5	CHARLIE CREEK	96,833	71	16	1
6	Total:	847,514	620	137	9

	Facility	O&M (\$)	Carrying Costs (\$)	Capital (\$)	Other (\$)	Fuel Costs (\$)	Total Cost of Generation (\$)
7	HAMILTON	1,602,516	\$6,452,179	\$2,857,977	\$180,268	\$0	\$9,490,424
7	LAKE PLACID	1,106,054	\$2,954,759	\$1,342,759	\$95,513	\$0	\$4,393,031
7	TRENTON	1,686,294	\$5,960,415	\$2,555,869	\$193,050	\$0	\$8,709,334
7	COLUMBIA	1,075,503	\$6,580,961	\$2,710,254	\$194,095	\$0	\$9,485,310
7	DEBARY	561,266	\$5,401,579	\$2,229,029	\$157,146	\$0	\$7,787,755
7	SANTA FE	491,074	\$6,707,262	\$2,529,148	\$191,224	\$0	\$9,427,634
7	TWIN RIVERS	1,109,197	\$6,180,611	\$2,459,416	\$171,292	\$0	\$8,811,318
7	DUETTE	596,465	\$6,113,015	\$3,305,560	\$224,620	\$0	\$9,643,194
7	SANDY CREEK	1,851,738	\$6,084,078	\$2,327,962	\$176,913	\$0	\$8,588,953
7	CHARLIE CREEK	1,209,248	\$6,428,941	\$2,478,504	\$231,517	\$0	\$9,138,961
8	Total:	\$11,289,355.00	\$58,863,799	\$24,796,477	\$1,815,638	\$0	\$85,475,914

Notes: