



Stephanie A. Cuello
SENIOR COUNSEL

May 29, 2026

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. 20260007-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 April 2026, 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. 20260007-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 29th day of May, 2026.

/s/ Stephanie A. Cuello

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Duke Energy Florida, LLC
 Actual Data for Solar Generation Facilities
 Solar Base Rate Adjustment (SoBRA) Reporting
April, 2026

		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	3,810.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	2	3,497.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	3	3,276.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	4	3,149.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	5	3,123.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	6	3,255.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	7	3,538.7	5.2	3.4	5.2	7.0	1.9	5.4	4.1	5.2	2.5
8	8	3,702.0	33.8	20.2	32.6	35.3	14.4	31.2	31.1	32.7	26.5
9	9	3,887.5	42.6	30.6	42.9	45.7	30.5	39.3	38.3	56.2	47.1
10	10	4,026.4	45.6	33.6	42.5	44.9	43.3	37.0	45.3	60.8	55.0
11	11	4,235.2	43.5	34.0	46.0	43.4	50.8	34.5	47.7	63.1	60.4
12	12	4,531.6	44.1	35.3	47.6	43.7	54.3	33.7	47.9	60.7	59.7
13	13	4,862.6	44.7	35.1	50.4	47.8	50.3	39.2	49.1	61.9	57.6
14	14	5,167.5	43.7	33.8	52.2	50.4	51.3	40.9	51.1	60.5	59.2
15	15	5,527.0	42.7	29.5	51.4	48.6	46.9	41.0	47.8	54.8	55.0
16	16	5,949.8	43.3	28.2	50.8	44.5	39.4	36.8	46.1	51.1	52.5
17	17	6,260.4	41.7	26.3	41.7	42.8	24.1	38.2	42.0	47.1	45.4
18	18	6,473.3	31.4	15.6	28.2	27.6	10.6	24.4	30.5	26.9	33.2
19	19	6,467.3	6.3	2.0	5.0	5.5	1.3	4.7	6.2	4.1	9.2
20	20	6,172.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	21	5,955.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	22	5,475.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	23	4,816.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	24	4,249.4	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:
April, 2026

	Facility	Net Capability (MW)	Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation (MWh)
1	HAMILTON	74.9	14,059	26.1%	0.4%	3,409,400
1	LAKE PLACID	45.0	9,826	30.3%	0.3%	
1	TRENTON	74.9	14,891	27.6%	0.4%	
1	COLUMBIA	74.9	14,615	27.1%	0.4%	
1	DEBARY	74.5	12,575	23.4%	0.4%	
1	SANTA FE	74.9	12,192	22.6%	0.4%	
1	TWIN RIVERS	74.9	14,619	27.1%	0.4%	
1	DUETTE	74.5	17,558	32.7%	0.5%	
1	SANDY CREEK	74.9	16,904	31.3%	0.5%	
1	CHARLIE CREEK	74.9	17,940	33.3%	0.5%	
2	Total:	718.3	145,179.0	28.1%	4.3%	

	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	113,129	\$2.98	69	\$172.35	511	\$116.11
3	LAKE PLACID	79,067	\$2.98	48	\$172.35	357	\$116.11
3	TRENTON	119,824	\$2.98	73	\$172.35	541	\$116.11
3	COLUMBIA	117,603	\$2.98	72	\$172.35	531	\$116.11
3	DEBARY	101,188	\$2.98	62	\$172.35	457	\$116.11
3	SANTA FE	98,106	\$2.98	60	\$172.35	443	\$116.11
3	TWIN RIVERS	117,635	\$2.98	72	\$172.35	531	\$116.11
3	DUETTE	141,285	\$2.98	87	\$172.35	638	\$116.11
3	SANDY CREEK	136,022	\$2.98	83	\$172.35	614	\$116.11
3	CHARLIE CREEK	144,358	\$2.98	89	\$172.35	652	\$116.11
4	Total:	1,168,217	\$3,476,835	716	\$123,441	5,274	\$612,381

	Facility	CO2 Reductions (Tons)	NOx Reduction (Tons)	SO2 Reduction (Tons)	Hg Reduction (lbs)
5	HAMILTON	7,937	3	1	0
5	LAKE PLACID	5,547	2	0	0
5	TRENTON	8,406	3	1	0
5	COLUMBIA	8,251	3	1	0
5	DEBARY	7,099	3	0	0
5	SANTA FE	6,883	3	0	0
5	TWIN RIVERS	8,253	3	1	0
5	DUETTE	9,912	4	1	0
5	SANDY CREEK	9,543	4	1	0
5	CHARLIE CREEK	10,128	4	1	0
6	Total:	81,957	31	6	0

	Facility	O&M (\$)	Carrying Costs (\$)	Capital (\$)	Other (\$)	Fuel Costs (\$)	Total Cost of Generation (\$)
7	HAMILTON	97,654	\$570,226	\$260,583	\$16,388	\$0	\$847,196
7	LAKE PLACID	101,194	\$312,237	\$137,665	\$8,683	\$0	\$458,585
7	TRENTON	145,003	\$524,333	\$231,298	\$17,550	\$0	\$773,181
7	COLUMBIA	87,104	\$581,309	\$246,650	\$17,645	\$0	\$845,604
7	DEBARY	55,010	\$478,259	\$203,055	\$14,286	\$0	\$695,600
7	SANTA FE	47,251	\$592,678	\$222,649	\$17,384	\$0	\$832,711
7	TWIN RIVERS	76,577	\$545,050	\$223,995	\$15,572	\$0	\$784,618
7	DUETTE	54,966	\$536,288	\$231,551	\$20,420	\$0	\$788,259
7	SANDY CREEK	119,863	\$530,608	\$210,058	\$16,083	\$0	\$756,749
7	CHARLIE CREEK	92,524	\$561,965	\$223,567	\$21,047	\$0	\$806,579
8	Total:	\$877,146	\$5,232,953	\$2,191,072	\$165,058	\$0	\$7,589,083

Notes:

INTERNAL

Duke Energy Florida, LLC
Actual Data for Solar Generation Facilities
Solar Base Rate Adjustment (SoBRA) Reporting
YEAR-TO-DATE THROUGH:
April, 2026

	Facility	Net Capability (MW)	Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation (MWh)
1	HAMILTON	74.9	51,744	24.0%	0.4%	12,941,008
1	LAKE PLACID	45.0	30,848	23.8%	0.2%	
1	TRENTON	74.9	48,280	22.4%	0.4%	
1	COLUMBIA	74.9	47,264	21.9%	0.4%	
1	DEBARY	74.5	43,411	20.2%	0.3%	
1	SANTA FE	74.9	38,337	17.8%	0.3%	
1	TWIN RIVERS	74.9	46,676	21.6%	0.4%	
1	DUETTE	74.5	56,365	26.3%	0.4%	
1	SANDY CREEK	74.9	55,760	25.8%	0.4%	
1	CHARLIE CREEK	74.9	60,454	28.0%	0.5%	
2	Total:	718.3	479,139	23.2%	3.7%	

	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	360,034	\$4.47	1,403	\$112.57	3,135	\$81.84
3	LAKE PLACID	219,539	\$4.34	773	\$114.03	1,746	\$85.37
3	TRENTON	334,566	\$4.49	1,343	\$112.39	3,010	\$81.87
3	COLUMBIA	331,125	\$4.36	1,212	\$113.14	2,805	\$82.47
3	DEBARY	300,718	\$4.48	1,194	\$112.36	2,686	\$81.45
3	SANTA FE	263,622	\$4.47	1,064	\$112.07	2,443	\$80.54
3	TWIN RIVERS	326,817	\$4.32	1,172	\$113.19	2,763	\$82.01
3	DUETTE	392,803	\$4.43	1,509	\$112.76	3,432	\$82.24
3	SANDY CREEK	393,059	\$4.39	1,444	\$113.39	3,255	\$83.82
3	CHARLIE CREEK	420,440	\$4.48	1,658	\$112.56	3,707	\$82.19
4	Total:	3,342,723	\$14,784,520	12,772	\$1,441,258	28,982	\$2,387,551

	Facility	CO2 Reductions (Tons)	NOx Reduction (Tons)	SO2 Reduction (Tons)	Hg Reduction (lbs)
5	HAMILTON	28,870	11	3	0
5	LAKE PLACID	17,230	7	2	0
5	TRENTON	27,041	11	3	0
5	COLUMBIA	26,356	10	3	0
5	DEBARY	24,261	10	3	0
5	SANTA FE	21,454	8	3	0
5	TWIN RIVERS	25,992	10	3	0
5	DUETTE	31,511	12	4	0
5	SANDY CREEK	31,137	12	4	0
5	CHARLIE CREEK	33,816	13	4	0
6	Total:	267,667	105	31	3

	Facility	O&M (\$)	Carrying Costs (\$)	Capital (\$)	Other (\$)	Fuel Costs (\$)	Total Cost of Generation (\$)
7	HAMILTON	401,375	\$2,291,793	\$1,042,378	\$65,552	\$0	\$3,399,723
7	LAKE PLACID	409,161	\$1,280,819	\$562,453	\$34,732	\$0	\$1,878,004
7	TRENTON	916,290	\$2,110,300	\$926,222	\$70,200	\$0	\$3,106,722
7	COLUMBIA	377,388	\$2,335,763	\$986,450	\$70,580	\$0	\$3,392,792
7	DEBARY	231,420	\$1,921,565	\$812,053	\$57,144	\$0	\$2,790,762
7	SANTA FE	229,052	\$2,380,462	\$890,526	\$69,536	\$0	\$3,340,524
7	TWIN RIVERS	499,342	\$2,189,781	\$895,889	\$62,288	\$0	\$3,147,958
7	DUETTE	243,393	\$2,155,358	\$926,137	\$81,680	\$0	\$3,163,175
7	SANDY CREEK	550,298	\$2,131,564	\$840,159	\$64,332	\$0	\$3,036,055
7	CHARLIE CREEK	385,625	\$2,257,767	\$894,199	\$84,188	\$0	\$3,236,153
8	Total:	\$4,243,344.00	\$21,055,170	\$8,776,465	\$660,232	\$0	\$30,491,868

Notes: