



Stephanie A. Cuello
SENIOR COUNSEL

June 30, 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 May 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 30th day of June, 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
May, 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)	
	Hour of Day	System Firm Demand (MW)	Hamilton	Lake Placid	Trenton	Columbia	Debary	Santa Fe	Twin Rivers	Duette	Sandy Creek	Charlie Creek
1	1	4,681.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	2	4,280.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	3	3,993.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	4	3,827.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	5	3,763.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	6	3,841.8	0.3	0.1	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1
7	7	4,031.4	11.9	7.5	11.4	13.7	3.6	8.7	9.2	10.7	5.1	13.5
8	8	4,217.1	35.0	21.5	34.7	36.4	14.5	25.1	27.7	34.7	21.4	40.0
9	9	4,536.8	46.1	28.7	46.7	47.8	28.1	30.5	39.9	45.4	35.8	46.6
10	10	4,940.4	50.2	30.2	53.4	53.5	41.6	24.7	44.0	48.8	43.0	50.3
11	11	5,386.5	54.9	31.9	53.4	53.8	48.6	21.5	50.0	50.3	46.8	52.7
12	12	5,873.9	52.9	32.3	51.6	53.6	48.8	21.4	48.1	53.0	52.7	49.8
13	13	6,404.1	53.2	32.7	56.5	52.5	50.4	19.7	47.7	54.0	53.5	53.2
14	14	6,856.4	52.5	31.4	56.3	51.5	47.2	19.4	47.3	52.4	54.7	53.8
15	15	7,251.4	47.3	31.5	49.4	48.2	41.7	19.8	42.1	49.1	52.8	54.0
16	16	7,655.9	40.9	26.2	44.0	41.7	32.0	21.5	37.0	44.5	48.6	48.6
17	17	7,858.3	34.6	21.3	42.0	31.4	21.1	19.1	30.1	37.1	42.4	37.9
18	18	7,916.7	29.8	13.8	28.7	23.6	10.6	15.5	24.8	19.6	30.8	27.5
19	19	7,746.1	9.5	2.3	8.2	8.5	2.1	5.7	8.2	5.0	11.2	5.0
20	20	7,332.9	0.3	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.4	0.0
21	21	7,005.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	22	6,482.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	23	5,781.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	24	5,176.8	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:
May, 2026

Facility	Net Capability (MW)	Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation (MWh)
HAMILTON	74.9	16,102	28.9%	0.4%	4,241,235
LAKE PLACID	45.0	9,656	28.8%	0.2%	
TRENTON	74.9	16,633	29.8%	0.4%	
COLUMBIA	74.9	16,006	28.7%	0.4%	
DEBARY	74.5	12,102	21.8%	0.3%	
SANTA FE	74.9	7,839	14.1%	0.2%	
TWIN RIVERS	74.9	14,145	25.4%	0.3%	
DUETTE	74.5	15,640	28.2%	0.4%	
SANDY CREEK	74.9	15,479	27.8%	0.4%	
CHARLIE CREEK	74.9	16,525	29.7%	0.4%	
Total:	718.3	140,127.0	26.2%	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)
HAMILTON	123,639	\$3.30	467	\$171.20	1,137	\$71.60
LAKE PLACID	74,144	\$3.30	280	\$171.20	682	\$71.60
TRENTON	127,716	\$3.30	482	\$171.20	1,174	\$71.60
COLUMBIA	122,902	\$3.30	464	\$171.20	1,130	\$71.60
DEBARY	92,925	\$3.30	351	\$171.20	854	\$71.60
SANTA FE	60,192	\$3.30	227	\$171.20	553	\$71.60
TWIN RIVERS	108,612	\$3.30	410	\$171.20	998	\$71.60
DUETTE	120,092	\$3.30	453	\$171.20	1,104	\$71.60
SANDY CREEK	118,855	\$3.30	448	\$171.20	1,093	\$71.60
CHARLIE CREEK	126,887	\$3.30	479	\$171.20	1,166	\$71.60
Total:	1,075,964	\$3,548,163	4,060	\$695,095	9,890	\$708,190

Facility	CO2 Reductions (Tons)	NOx Reduction (Tons)	SO2 Reduction (Tons)	Hg Reduction (lbs)
HAMILTON	10,029	5	1	0
LAKE PLACID	6,014	3	1	0
TRENTON	10,359	5	1	0
COLUMBIA	9,969	5	1	0
DEBARY	7,537	4	1	0
SANTA FE	4,882	2	1	0
TWIN RIVERS	8,810	4	1	0
DUETTE	9,741	5	1	0
SANDY CREEK	9,641	5	1	0
CHARLIE CREEK	10,292	5	1	0
Total:	87,274	44	11	1

Facility	O&M (\$)	Carrying Costs (\$)	Capital (\$)	Other (\$)	Fuel Costs (\$)	Total Cost of Generation (\$)
HAMILTON	\$111,891	\$568,336	\$260,583	\$16,388	\$0	\$957,198
LAKE PLACID	\$103,185	\$311,257	\$137,679	\$8,683	\$0	\$560,804
TRENTON	(\$142,526)	\$522,654	\$231,298	\$17,550	\$0	\$628,976
COLUMBIA	\$96,613	\$579,505	\$246,650	\$17,645	\$0	\$940,413
DEBARY	\$57,924	\$476,768	\$203,055	\$14,286	\$0	\$752,034
SANTA FE	\$41,868	\$591,029	\$222,649	\$17,384	\$0	\$872,930
TWIN RIVERS	\$92,141	\$543,428	\$224,006	\$15,572	\$0	\$875,147
DUETTE	\$87,035	\$534,565	\$231,551	\$20,420	\$0	\$873,570
SANDY CREEK	\$654,145	\$529,061	\$210,058	\$16,083	\$0	\$1,409,348
CHARLIE CREEK	\$138,163	\$560,292	\$223,567	\$21,047	\$0	\$943,069
Total:	\$1,240,439	\$5,216,894	\$2,191,096	\$165,058	\$0	\$8,813,487

Notes:

Trenton - Lease Adjustment; Sandy Creek - Lease Payment

INTERNAL

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

	Facility	Net Capability (MW)	Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	Total System Net Generation (MWh)
1	HAMILTON	74.9	67,846	25.0%	0.4%	17,182,243
1	LAKE PLACID	45.0	40,504	24.8%	0.2%	
1	TRENTON	74.9	64,913	23.9%	0.4%	
1	COLUMBIA	74.9	63,270	23.3%	0.4%	
1	DEBARY	74.5	55,513	20.6%	0.3%	
1	SANTA FE	74.9	46,176	17.0%	0.3%	
1	TWIN RIVERS	74.9	60,821	22.4%	0.4%	
1	DUETTE	74.5	72,005	26.7%	0.4%	
1	SANDY CREEK	74.9	71,239	26.2%	0.4%	
1	CHARLIE CREEK	74.9	76,979	28.4%	0.4%	
2	Total:	718.3	619,266	23.8%	3.6%	

	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	483,673	\$4.17	1,869	\$127.20	4,272	\$79.12
3	LAKE PLACID	293,682	\$4.08	1,053	\$129.22	2,428	\$81.50
3	TRENTON	462,283	\$4.16	1,824	\$127.92	4,184	\$78.99
3	COLUMBIA	454,027	\$4.07	1,676	\$129.21	3,935	\$79.35
3	DEBARY	393,643	\$4.20	1,545	\$125.72	3,540	\$79.07
3	SANTA FE	323,814	\$4.25	1,291	\$122.47	2,996	\$78.89
3	TWIN RIVERS	435,429	\$4.06	1,581	\$128.22	3,762	\$79.25
3	DUETTE	512,895	\$4.16	1,962	\$126.26	4,536	\$79.65
3	SANDY CREEK	511,914	\$4.14	1,893	\$127.09	4,348	\$80.75
3	CHARLIE CREEK	547,327	\$4.20	2,137	\$125.70	4,874	\$79.65
4	Total:	4,418,686	\$18,339,510	16,832	\$2,136,005	38,873	\$3,095,157

	Facility	CO2 Reductions (Tons)	NOx Reduction (Tons)	SO2 Reduction (Tons)	Hg Reduction (lbs)
5	HAMILTON	38,898	16	5	0
5	LAKE PLACID	23,244	10	3	0
5	TRENTON	37,400	16	5	0
5	COLUMBIA	36,325	15	4	0
5	DEBARY	31,798	13	4	0
5	SANTA FE	26,337	11	3	0
5	TWIN RIVERS	34,801	15	4	0
5	DUETTE	41,251	17	5	0
5	SANDY CREEK	40,778	17	5	0
5	CHARLIE CREEK	44,108	18	5	0
6	Total:	354,941	148	42	4

	Facility	O&M (\$)	Carrying Costs (\$)	Capital (\$)	Other (\$)	Fuel Costs (\$)	Total Cost of Generation (\$)
7	HAMILTON	513266.00	\$2,860,129	\$1,302,961	\$81,940	\$0	\$4,758,295
7	LAKE PLACID	512347.00	\$1,592,074	\$700,132	\$43,415	\$0	\$2,847,968
7	TRENTON	773764.00	\$2,632,950	\$1,157,520	\$87,750	\$0	\$4,651,984
7	COLUMBIA	474001.00	\$2,915,263	\$1,233,100	\$88,225	\$0	\$4,710,589
7	DEBARY	289344.00	\$2,398,333	\$1,015,109	\$71,430	\$0	\$3,774,216
7	SANTA FE	270920.00	\$2,971,486	\$1,113,175	\$86,920	\$0	\$4,442,501
7	TWIN RIVERS	591483.00	\$2,733,209	\$1,119,895	\$77,860	\$0	\$4,522,447
7	DUETTE	330428.00	\$2,689,922	\$1,157,688	\$102,100	\$0	\$4,280,138
7	SANDY CREEK	1204443.00	\$2,660,626	\$1,050,217	\$80,415	\$0	\$4,995,701
7	CHARLIE CREEK	523788.00	\$2,818,058	\$1,117,766	\$105,235	\$0	\$4,564,847
8		\$5,483,784.00	\$26,272,049	\$10,967,562	\$825,290	\$0	\$43,548,685

Notes: