Stephanie A. Cuello
SENIOR COUNSEL

June 28, 2023

VIA ELECTRONIC FILING

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

Re: *Fuel and Purchased Power Clause with Generating Performance Incentive Factor*; *Performance Data Report for April 2023;* Docket No. 20230001-EI

Dear Mr. Teitzman:

Attached for electronic filing in the above-referenced Docket is Duke Energy Florida, LLC's Performance Data Report for May 2023.

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

106 East College Avenue, Suite 800, Tallahassee, FL 32301 ▪ Phone: 850.521.1425 ▪ Fax: 727.820.5041
▪ Email: stephanie.cuello@duke-energy.com

CERTIFICATE OF SERVICE

Docket No. 20230001-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 28th day of June, 2023.

/s/ Stephanie A. Cuello
Stephanie A. Cuello

Suzanne Brownless Ryan Sandy Office of General Counsel FL Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 sbrownle@psc.state.fl.us rsandy@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 Kenneth A. Hoffman Florida Power & Light Company 134 W. Jefferson Street Tallahassee, FL 32301-1713 ken.hoffman@fpl.com Jon C. Moyle, Jr. Moyle Law Firm, P.A. FIPUG 118 North Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com mqualls@moylelaw.com	P. Christensen/C. Rehwinkel/M. Wessling Office of Public Counsel 111 W. Madison St., Room 812 Tallahassee, FL 32399-1400 christensen.patty@leg.state.fl.us rehwinkel.charles@leg.state.fl.us wessling.mary@leg.state.fl.us Paula K. Brown Regulatory Affairs Tampa Electric Company P.O. Box 111 Tampa, FL 33601-0111 regdept@tecoenergy.com Maria Moncada / David Lee Florida Power & Light Company 700 Universe Blvd. (LAW/JB) Juno Beach, FL 33408-0420 david.lee@fpl.com maria.moncada@fpl.com James Brew / Laura W. Baker Stone Mattheis Xenopoulos & Brew, P.C. White Springs/PCS Phosphate 1025 Thomas Jefferson St., N.W. Eighth Floor, West Tower Washington, DC 20007 jbrew@smxblaw.com lwb@smxblaw.com George Cavros Southern Alliance for Clean Energy 120 E. Oakland Park Blvd., Suite 105 Fort Lauderdale, Florida 33334 george@cavros-law.com	Mike Cassel Florida Public Utilities Company 208 Wildlight Avenue Yulee, FL 32097 mcassel@fpuc.com Michelle D. Napier Florida Public Utilities Company 1635 Meathe Drive West Palm Beach, FL 33411 mnapier@fpuc.com Beth Keating Gunster, Yoakley & Stewart, P.A. FPUC 215 South Monroe Street, Suite 601 Tallahassee, FL 32301 bkeating@gunster.com Robert Scheffel Wright John T. LaVia, III Florida Retail Federation Gardner, Bist, Bowden, Dee, LaVia, Wright, Perry, & Harper, P.A. 1300 Thomaswood Drive Tallahassee, FL 32308 schef@gbwlegal.com jlavia@gbwlegal.com Peter J. Mattheis / Michael K. Lavanga Joseph R. Briscar Nucor c/o 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

Duke Energy

ACTUAL UNIT PERFORMANCE DATA - YEAR 2023

Bartow CC	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan - May Period
1. EAF	99.52	90.44	86.89	99.88	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.42
2. PH	744.0	672.0	743.0	720.0	744.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,623.0
3. SH	683.5	575.8	617.9	675.1	702.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,254.8
4. RSH	56.9	31.9	27.8	44.1	41.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	202.1
5. UH	3.6	64.3	97.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	166.1
6. POH	0.0	64.3	55.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	119.6
7. FOH	0.9	0.0	12.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3
8. MOH	2.6	0.0	29.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.1
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,112.00
16. OPER MBTU	4,583,630	3,652,870	4,177,510	4,788,930	4,831,800	0	0	0	0	0	0	0	22,034,740
17. NET GEN (MWH)	601,126	487,700	546,018	639,273	644,783	0	0	0	0	0	0	0	2,918,900
18. ANOHR (BTU/KWH)	7,625.1	7,490.0	7,650.9	7,491.2	7,493.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,549.0
19. NOF %	79.09	76.16	79.47	85.16	82.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.65
20. NPC (MW)	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,112.00

Duke Energy

ACTUAL UNIT PERFORMANCE DATA - YEAR 2023

Citrus County Power Block 1	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan - May Period
1. EAF	99.79	100.00	54.63	82.47	79.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.87
2. PH	744.0	672.0	743.0	720.0	744.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,623.0
3. SH	744.0	672.0	408.0	593.8	574.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,992.7
4. RSH	0.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4
5. UH	0.0	0.0	335.0	126.2	155.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	616.9
6. POH	0.0	0.0	335.0	126.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	461.1
7. FOH	0.0	0.0	0.0	0.2	21.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0
8. MOH	0.0	0.0	0.0	0.0	133.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133.8
9. PPOH	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
10. LR PP (MW)	0.0	0.0	127.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127.0
11. PFOH	24.0	0.0	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.1
12. LR PF (MW)	52.5	0.0	58.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.3
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	807.00	807.00	807.00	807.00	807.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	807.00
16. OPER MBTU	3,700,690	3,371,370	2,142,590	3,131,270	2,943,120	0	0	0	0	0	0	0	15,289,040
17. NET GEN (MWH)	541,110	489,741	315,865	456,767	421,777	0	0	0	0	0	0	0	2,225,260
18. ANOHR (BTU/KWH)	6,839.1	6,884.0	6,783.2	6,855.3	6,977.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,870.7
19. NOF % [1]	78.63	78.79	83.70	83.16	79.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.39
20. NPC (MW) [1]	925.00	925.00	925.00	925.00	925.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	925.00

1. The Net Maximum Capacity (NMC) was used to calculate the Net Output Factor (NOF) for developing the heat rate targets for Citrus County Power Block 1 in calendar year 2023. To be consistent with the approved heat rate targets, Citrus County Power Block 1 will use the NMC to calculate the monthly and period NOF results, with the NMC values replacing the NPC values on line 20 for consistency with the NOF calculation. This change is only for Citrus County Power Block 1 in calendar year 2023 and does not affect the reported heat rate results or targets – it only affects the NOF calculation, ensuring consistency between the approved heat rate targets and reported unit performance results.

Duke Energy

ACTUAL UNIT PERFORMANCE DATA - YEAR 2023

Citrus County Power Block 2	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan - May Period
1. EAF	99.79	100.00	99.76	77.17	91.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.62
2. PH	744.0	672.0	743.0	720.0	744.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,623.0
3. SH	744.0	672.0	743.0	552.3	686.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,398.0
4. RSH	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9
5. UH	0.0	0.0	0.0	160.9	57.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	218.2
6. POH	0.0	0.0	0.0	116.1	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146.1
7. FOH	0.0	0.0	0.0	44.8	27.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.0
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PPOH	0.0	0.0	0.0	18.5	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.1
10. LR PP (MW)	0.0	0.0	0.0	116.3	144.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133.1
11. PFOH	24.0	0.0	24.1	3.6	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.7
12. LR PF (MW)	53.1	0.0	58.7	178.3	144.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74.0
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	803.00	803.00	803.00	803.00	803.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	803.00
16. OPER MBTU	3,709,370	3,380,440	3,970,130	2,720,720	3,487,330	0	0	0	0	0	0	0	17,267,990
17. NET GEN (MWH)	542,202	492,126	589,903	398,598	504,338	0	0	0	0	0	0	0	2,527,167
18. ANOHR (BTU/KWH)	6,841.3	6,869.1	6,730.1	6,825.7	6,914.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,832.9
19. NOF % [1]	78.45	78.83	85.46	77.69	79.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.06
20. NPC (MW) [1]	929.00	929.00	929.00	929.00	929.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	929.00

1. The Net Maximum Capacity (NMC) was used to calculate the Net Output Factor (NOF) for developing the heat rate targets for Citrus County Power Block 2 in calendar year 2023. To be consistent with the approved heat rate targets, Citrus County Power Block 2 will use the NMC to calculate the monthly and period NOF results, with the NMC values replacing the NPC values on line 20 for consistency with the NOF calculation. This change is only for Citrus County Power Block 2 in calendar year 2023 and does not affect the reported heat rate results or targets – it only affects the NOF calculation, ensuring consistency between the approved heat rate targets and reported unit performance results.

Duke Energy

ACTUAL UNIT PERFORMANCE DATA - YEAR 2023

Crystal River 4	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan - May Period
1. EAF	70.97	90.33	96.93	99.25	59.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.21
2. PH	744.0	672.0	743.0	720.0	744.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,623.0
3. SH	34.7	0.0	717.3	720.0	67.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,539.0
4. RSH	493.3	607.0	25.7	0.0	378.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,504.0
5. UH	216.0	65.0	0.0	0.0	299.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	580.0
6. POH	0.0	0.0	0.0	0.0	299.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	299.0
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. MOH	216.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	281.0
9. PPOH	0.0	0.0	40.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0
10. LR PP (MW)	0.0	0.0	161.0	355.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	196.6
11. PFOH	0.0	0.0	80.8	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	118.3
12. LR PF (MW)	0.0	0.0	116.4	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.2
13. PMOH	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
14. LR PM (MW)	0.0	0.0	112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	112.0
15. NSC (MW)	712.00	712.00	712.00	712.00	712.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	712.00
16. OPER MBTU	103,680	0	2,851,760	2,944,650	225,460	0	0	0	0	0	0	0	6,125,550
17. NET GEN (MWH)	7,326	0	256,217	259,152	18,901	0	0	0	0	0	0	0	541,596
18. ANOHR (BTU/KWH)	14,152.3	0.0	11,130.3	11,362.6	11,928.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11,310.2
19. NOF %	29.68	0.00	50.17	50.55	39.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.43
20. NPC (MW)	712.00	712.00	712.00	712.00	712.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	712.00

Duke Energy

ACTUAL UNIT PERFORMANCE DATA - YEAR 2023

Hines Power Block 1	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan - May Period
1. EAF	59.98	0.00	0.00	32.15	99.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.12
2. PH	744.0	672.0	743.0	720.0	744.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,623.0
3. SH	391.1	0.0	0.0	231.5	739.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,362.3
4. RSH	59.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.6
5. UH	293.3	672.0	743.0	488.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,201.1
6. POH	264.0	672.0	743.0	488.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,167.5
7. FOH	29.3	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.6
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.4
12. LR PF (MW)	77.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.0
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	490.00	490.00	490.00	490.00	490.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	490.00
16. OPER MBTU	935,970	0	0	650,130	2,069,660	0	0	0	0	0	0	0	3,655,760
17. NET GEN (MWH)	123,873	0	0	85,202	278,922	0	0	0	0	0	0	0	487,997
18. ANOHR (BTU/KWH)	7,555.9	0.0	0.0	7,630.5	7,420.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,491.4
19. NOF %	64.63	0.00	0.00	75.12	76.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.10
20. NPC (MW)	490.00	490.00	490.00	490.00	490.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	490.00

Duke Energy

ACTUAL UNIT PERFORMANCE DATA - YEAR 2023

Hines Power Block 2	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan - May Period
1. EAF	97.15	98.59	73.18	88.79	98.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.13
2. PH	744.0	672.0	743.0	720.0	744.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,623.0
3. SH	339.8	672.0	306.6	649.4	744.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,711.9
4. RSH	393.5	0.0	247.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	641.3
5. UH	10.7	0.0	188.7	70.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	269.9
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	10.7	0.0	112.7	70.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	193.9
8. MOH	0.0	0.0	76.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	254.5	229.9	255.5	246.3	254.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,240.8
12. LR PF (MW)	22.0	22.0	22.1	22.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	532.00	532.00	532.00	532.00	532.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	532.00
16. OPER MBTU	936,940	2,010,550	948,890	2,081,900	2,402,940	0	0	0	0	0	0	0	8,381,220
17. NET GEN (MWH)	116,569	254,436	120,833	272,609	309,446	0	0	0	0	0	0	0	1,073,893
18. ANOHR (BTU/KWH)	8,037.6	7,902.0	7,852.9	7,636.9	7,765.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,804.5
19. NOF %	64.48	71.17	74.08	78.90	78.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.44
20. NPC (MW)	532.00	532.00	532.00	532.00	532.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	532.00

Duke Energy

ACTUAL UNIT PERFORMANCE DATA - YEAR 2023

Hines Power Block 3	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan - May Period
1. EAF	97.47	93.96	90.80	66.03	79.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.60
2. PH	744.0	672.0	743.0	720.0	744.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,623.0
3. SH	744.0	576.0	739.8	519.6	531.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,111.1
4. RSH	0.0	78.3	0.0	0.0	62.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	141.0
5. UH	0.0	17.7	3.2	200.4	149.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	370.9
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	0.0	17.7	3.2	0.0	41.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.2
8. MOH	0.0	0.0	0.0	200.4	108.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	308.7
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	744.0	672.0	743.0	503.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,662.7
12. LR PF (MW)	13.3	17.8	45.8	45.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	523.00	523.00	523.00	523.00	523.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	523.00
16. OPER MBTU	2,176,890	1,514,940	2,089,260	1,397,400	1,463,830	0	0	0	0	0	0	0	8,642,320
17. NET GEN (MWH)	303,211	214,467	295,104	195,027	202,845	0	0	0	0	0	0	0	1,210,654
18. ANOHR (BTU/KWH)	7,179.5	7,063.7	7,079.7	7,165.2	7,216.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,138.6
19. NOF %	77.92	71.20	76.28	71.77	72.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.40
20. NPC (MW)	523.00	523.00	523.00	523.00	523.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	523.00

Duke Energy

ACTUAL UNIT PERFORMANCE DATA - YEAR 2023

Hines Power Block 4	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan - May Period
1. EAF	100.00	100.00	98.67	99.96	98.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.44
2. PH	744.0	672.0	743.0	720.0	744.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,623.0
3. SH	744.0	582.5	733.1	657.2	673.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,390.7
4. RSH	0.0	89.5	0.0	62.8	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	212.4
5. UH	0.0	0.0	9.9	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	0.0	0.0	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9
8. MOH	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
9. PPOH	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
10. LR PP (MW)	0.0	0.0	0.0	48.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.6
11. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	516.00	516.00	516.00	516.00	516.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	516.00
16. OPER MBTU	2,201,660	1,620,360	2,284,060	2,039,420	2,064,270	0	0	0	0	0	0	0	10,209,770
17. NET GEN (MWH)	301,535	221,597	320,128	280,555	280,663	0	0	0	0	0	0	0	1,404,478
18. ANOHR (BTU/KWH)	7,301.5	7,312.2	7,134.8	7,269.2	7,355.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,269.4
19. NOF %	78.54	73.73	84.63	82.74	80.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.27
20. NPC (MW)	516.00	516.00	516.00	516.00	516.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	516.00

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to May 2023

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4A	3/18/2023	FFO	77.10	181.0	COOLING AND SEAL AIR SYSTEM
BCC 4B	1/14/2023	FFO	4.20	165.0	OTHER INSTRUMENT AIR PROBLEMS
BCC 4B	1/16/2023	FFO	2.20	165.0	GAS FUEL SYSTEM INCLUDING CONTROLS AND INSTRUMENTATION
BCC 4B	2/11/2023	PO	522.13	165.0	BOROSCOPE INSPECTION
BCC 4B	3/31/2023	FMO	18.78	165.0	EMERGENCY GENERATOR TRIP DEVICES
BCC 4C	1/24/2023	FMO	16.23	181.0	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS
BCC 4C	3/11/2023	FMO	164.02	181.0	SCR PLUGGING
BCC 4D	2/28/2023	PO	256.03	183.0	BOROSCOPE INSPECTION
BCC 4D	4/15/2023	FFO	5.08	183.0	IGNITION SYSTEM

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to May 2023

Citrus County Power Block 1

Unit	Date	Outage Type	Hours	MW Affected	Description
CITR 1A	1/13/2023	PFO	24.00	37.1	FUEL PIPING AND VALVES
CITR 1A	3/1/2023	PFO	12.75	44.4	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (OMC)
CITR 1A	3/2/2023	PFO	11.35	44.5	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (OMC)
CITR 1A	3/7/2023	PPO	2.20	119.3	CIRCULATING WATER PIPING
CITR 1A	3/18/2023	PO	451.98	243.0	GENERAL UNIT INSPECTION
CITR 1A	4/5/2023	FFO	0.57	243.0	OTHER EXCITER PROBLEMS
CITR 1A	5/12/2023	FFO	21.50	243.0	LIGHTNING
CITR 1A	5/22/2023	FMO	132.95	243.0	IP STARTUP BYPASS SYSTEM VALVES
CITR 1B	1/13/2023	PFO	24.00	36.9	FUEL PIPING AND VALVES
CITR 1B	3/1/2023	PFO	12.75	44.2	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (OMC)
CITR 1B	3/2/2023	PFO	11.35	44.3	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (OMC)
CITR 1B	3/7/2023	PPO	2.20	118.8	CIRCULATING WATER PIPING
CITR 1B	3/18/2023	PO	465.93	242.0	GENERAL UNIT INSPECTION
CITR 1B	5/12/2023	FFO	20.63	242.0	LIGHTNING
CITR 1B	5/22/2023	FMO	133.05	242.0	IP STARTUP BYPASS SYSTEM VALVES
CITR ST1	1/13/2023	PFO	24.00	75.9	FUEL PIPING AND VALVES
CITR ST1	3/1/2023	PFO	12.75	78.8	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (OMC)
CITR ST1	3/2/2023	PFO	11.35	78.9	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (OMC)
CITR ST1	3/7/2023	PPO	2.20	139.0	CIRCULATING WATER VALVE
CITR ST1	3/18/2023	PO	464.30	322.0	GENERAL UNIT INSPECTION
CITR ST1	5/12/2023	FFO	23.07	322.0	LIGHTNING
CITR ST1	5/22/2023	FMO	134.97	322.0	IP STARTUP BYPASS SYSTEM VALVES

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to May 2023

Citrus County Power Block 2

Unit	Date	Outage Type	Hours	MW Affected	Description
CITR 2A	1/13/2023	PFO	24.00	37.5	FUEL PIPING AND VALVES
CITR 2A	3/1/2023	PFO	12.75	44.8	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (OMC)
CITR 2A	3/2/2023	PFO	11.35	44.8	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (OMC)
CITR 2A	4/1/2023	PPO	5.33	74.2	CIRCULATING WATER VALVE
CITR 2A	4/2/2023	PPO	4.08	73.8	CIRCULATING WATER PIPING
CITR 2A	4/5/2023	FFO	2.42	241.0	OTHER FUEL QUALITY PROBLEMS (OMC)
CITR 2A	4/21/2023	PO	179.00	241.0	BOROSCOPE INSPECTION
CITR 2A	4/28/2023	FFO	80.43	241.0	OTHER VOLTAGE CIRCUIT BREAKERS
CITR 2A	5/2/2023	FFO	4.42	241.0	BLADE PATH TEMPERATURE SPREAD
CITR 2B	1/13/2023	PFO	24.00	38.3	FUEL PIPING AND VALVES
CITR 2B	3/1/2023	PFO	12.75	45.6	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (OMC)
CITR 2B	3/2/2023	PFO	11.35	45.6	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (OMC)
CITR 2B	4/1/2023	PPO	5.33	74.9	CIRCULATING WATER VALVE
CITR 2B	4/2/2023	PPO	4.08	74.7	CIRCULATING WATER PIPING
CITR 2B	4/5/2023	FFO	3.62	242.0	OTHER FUEL QUALITY PROBLEMS (OMC)
CITR 2B	4/13/2023	FFO	9.03	242.0	GAS TURBINE CONTROL SYSTEM - HARDWARE PROBLEMS
CITR 2B	4/25/2023	PO	220.58	242.0	BOROSCOPE INSPECTION
CITR 2B	5/12/2023	FFO	14.65	242.0	LIGHTNING
CITR 2B	5/31/2023	FFO	2.82	242.0	GAS TURBINE CONTROL SYSTEM - HARDWARE PROBLEMS
CITR ST2	1/13/2023	PFO	24.00	76.1	FUEL PIPING AND VALVES
CITR ST2	3/1/2023	PFO	12.75	79.1	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (OMC)
CITR ST2	3/2/2023	PFO	11.35	78.9	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (OMC)
CITR ST2	4/1/2023	PPO	5.33	110.5	CIRCULATING WATER VALVE
CITR ST2	4/2/2023	PPO	4.08	110.6	CIRCULATING WATER PIPING
CITR ST2	4/5/2023	FFO	3.35	320.0	OTHER FUEL QUALITY PROBLEMS (OMC)
CITR ST2	4/13/2023	PFO	9.03	178.3	GAS TURBINE CONTROL SYSTEM - HARDWARE PROBLEMS
CITR ST2	4/20/2023	PPO	22.83	144.8	OTHER ECONOMIC PROBLEMS
CITR ST2	4/25/2023	PO	65.12	320.0	OTHER FEEDWATER SYSTEM PROBLEMS
CITR ST2	4/28/2023	FFO	83.47	320.0	GENERATOR OUTPUT BREAKER
CITR ST2	5/2/2023	PPO	4.72	144.4	BOROSCOPE INSPECTION
CITR ST2	5/2/2023	FFO	5.43	320.0	BLADE PATH TEMPERATURE SPREAD
CITR ST2	5/2/2023	PPO	62.02	144.7	BOROSCOPE INSPECTION
CITR ST2	5/12/2023	PFO	14.65	144.8	LIGHTNING
CITR ST2	5/31/2023	PFO	2.93	145.3	GAS TURBINE CONTROL SYSTEM - HARDWARE PROBLEMS

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to May 2023

Crystal River 4

Date	Outage Type	Hours	MW Affected	Description
1/23/2023	FMO	281.00	712.0	STATION SERVICE STARTUP TRANSFORMER
3/2/2023	PFO	78.00	112.0	BURNER MANAGEMENT SYSTEM
3/3/2023	PFO	1.50	307.0	PULVERIZER FEEDERS
3/15/2023	PMO	3.67	112.0	BURNER INSTRUMENTS AND CONTROLS (EXCEPT LIGHT-OFF)
3/15/2023	PPO	40.00	161.0	PULVERIZER MILLS
3/26/2023	PFO	1.25	161.0	PULVERIZER MILLS
4/21/2023	PFO	37.50	18.0	OTHER FEEDWATER VALVES
4/23/2023	PPO	9.00	355.0	OTHER FEEDWATER VALVES
5/8/2023	PO	299.00	712.0	SPRAY NOZZLES

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to May 2023

Hines Power Block 1

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 1A	1/21/2023	PO	2,294.37	161.0	BOROSCOPE INSPECTION
HEP 1B	1/3/2023	FFO	85.92	167.0	FEEDWATER PUMP DRIVE - MOTOR
HEP 1B	1/21/2023	PO	2,103.85	167.0	BOROSCOPE INSPECTION
HEP 1B	5/4/2023	FFO	12.62	167.0	GAS TURBINE CONTROL SYSTEM - DATA HIGHWAY
HEP ST1	1/3/2023	PFO	85.92	77.0	FEEDWATER PUMP DRIVE - MOTOR
HEP ST1	1/21/2023	PO	2,107.13	162.0	INSPECTION

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to May 2023

Hines Power Block 2

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 2A	1/13/2023	FFO	16.67	176.0	GENERATOR OUTPUT BREAKER
HEP 2A	1/14/2023	FFO	7.17	176.0	BOILER; MISCELLANEOUS
HEP 2A	1/14/2023	FFO	0.67	176.0	BOILER; MISCELLANEOUS
HEP 2A	3/6/2023	FMO	76.00	176.0	OTHER MISCELLANEOUS BALANCE OF PLANT PROBLEMS
HEP 2A	3/17/2023	FFO	23.00	176.0	OTHER HP STEAM VALVES
HEP 2A	3/23/2023	PFO	4.00	7.0	FEEDWATER VALVES
HEP 2A	3/23/2023	FFO	2.00	176.0	FEEDWATER PIPING DOWNSTREAM OF FEEDWATER REGULATING VALVE
HEP 2A	3/28/2023	FFO	148.42	176.0	TRANSMISSION LINE
HEP 2A	4/14/2023	FFO	9.00	176.0	FIRE DETECTION AND EXTINGUISHING SYSTEM
HEP 2A	4/17/2023	FFO	9.03	176.0	FIRE DETECTION AND EXTINGUISHING SYSTEM
HEP 2B	1/14/2023	FFO	7.17	174.0	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS
HEP 2B	1/14/2023	FFO	0.67	174.0	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS
HEP 2B	3/6/2023	FMO	76.00	174.0	OTHER MISCELLANEOUS BALANCE OF PLANT PROBLEMS
HEP 2B	3/17/2023	FFO	23.00	174.0	OTHER HP STEAM VALVES
HEP 2B	3/28/2023	FFO	155.98	174.0	TRANSMISSION LINE
HEP ST2	5/6/2022	PFO	3,623.00	22.0	OTHER LOW PRESSURE TURBINE PROBLEMS
HEP ST2	3/6/2023	FMO	76.00	182.0	OTHER MISCELLANEOUS BALANCE OF PLANT PROBLEMS
HEP ST2	3/17/2023	FFO	23.00	182.0	OTHER HP STEAM VALVES
HEP ST2	3/23/2023	PFO	2.00	84.0	FEEDWATER PIPING DOWNSTREAM OF FEEDWATER REGULATING VALVE
HEP ST2	3/28/2023	FFO	156.30	182.0	TRANSMISSION LINE

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to May 2023

Hines Power Block 3

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 3A	12/19/2022	PFO	2,662.67	16.0	IP EXTRACTION STEAM VALVES
HEP 3A	2/23/2023	PFO	9.00	51.0	COOLING AND SEAL AIR SYSTEM
HEP 3A	2/25/2023	PFO	1,328.67	41.0	COOLING AND SEAL AIR SYSTEM
HEP 3A	3/21/2023	FFO	9.92	171.0	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS
HEP 3A	4/22/2023	FMO	305.33	171.0	BALANCE OF PLANT OVERHAUL/OUTAGE
HEP 3A	5/9/2023	FFO	52.00	171.0	LOW PRESSURE COMPRESSOR BLEED VALVES
HEP 3A	5/13/2023	FFO	5.92	171.0	GAS FUEL SYSTEM INCLUDING CONTROLS AND INSTRUMENTATION
HEP 3A	5/15/2023	FFO	55.25	171.0	GAS FUEL SYSTEM INCLUDING CONTROLS AND INSTRUMENTATION
HEP 3A	5/18/2023	FFO	13.00	171.0	OTHER FEEDWATER VALVES
HEP 3B	12/19/2022	PFO	2,662.67	21.0	IP EXTRACTION STEAM VALVES
HEP 3B	2/10/2023	FFO	51.33	176.0	EMERGENCY GENERATOR TRIP DEVICES
HEP 3B	2/23/2023	PFO	9.00	56.0	COOLING AND SEAL AIR SYSTEM
HEP 3B	2/25/2023	PFO	1,328.67	46.0	COOLING AND SEAL AIR SYSTEM
HEP 3B	4/22/2023	FMO	296.72	176.0	BALANCE OF PLANT OVERHAUL/OUTAGE
HEP ST3	12/19/2022	PFO	2,662.67	2.8	IP EXTRACTION STEAM VALVES
HEP ST3	2/10/2023	FFO	1.37	176.0	COLD REHEAT STEAM PIPING UP TO BOILER
HEP ST3	2/23/2023	PFO	9.00	16.0	COOLING AND SEAL AIR SYSTEM
HEP ST3	2/25/2023	PFO	1,328.67	11.0	COOLING AND SEAL AIR SYSTEM
HEP ST3	4/21/2023	FMO	323.95	176.0	BALANCE OF PLANT OVERHAUL/OUTAGE

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to May 2023

Hines Power Block 4

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 4A	3/28/2023	FFO	6.95	171.0	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (NOT OMC)
HEP 4A	4/28/2023	PPO	3.00	51.0	INTAKE GRATING FOULING
HEP 4A	5/31/2023	FMO	15.00	171.0	DIAPHRAGMS
HEP 4B	3/28/2023	FFO	12.28	171.0	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (NOT OMC)
HEP 4B	4/28/2023	PPO	3.00	51.0	INTAKE GRATING FOULING
HEP ST4	3/28/2023	FFO	10.42	174.0	OTHER SWITCHYARD EQUIPMENT – EXTERNAL (NOT OMC)
HEP ST4	4/28/2023	PPO	3.00	44.0	INTAKE GRATING FOULING
HEP ST4	5/31/2023	FMO	15.00	174.0	DIAPHRAGMS