



Matthew R. Bernier  
ASSOCIATE GENERAL COUNSEL

June 28, 2021

**VIA ELECTRONIC FILING**

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

Re: *Performance Data Report for May 2021*  
Docket No. 20210001-EI

Dear Mr. Teitzman:

Attached for electronic filing in the above-referenced Docket is Duke Energy Florida, LLC's Performance Data Report for May 2021.

Thank you for your assistance in this matter. Please feel free to call me at (850) 521-1428 should you have any questions concerning this filing.

Sincerely,

*s/ Matthew R. Bernier*

Matthew R. Bernier

MRB/mw  
Attachment

cc: Damian Kistner, Division of Engineering, FPSC

CERTIFICATE OF SERVICE

Docket No. 20210001-EI

I HEREBY CERTIFY that a true copy of the above-mentioned document has been furnished to the following individuals via e-mail on this 28<sup>th</sup> day of June, 2021.

s/ Matthew R. Bernier

Attorney

<p>Suzanne Brownless Stefanie Jo Osborn Office of General Counsel FL Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 <a href="mailto:sbrownle@psc.state.fl.us">sbrownle@psc.state.fl.us</a> <a href="mailto:sosborn@psc.state.fl.us">sosborn@psc.state.fl.us</a></p> <p>J. Beasley / J. Wahlen / M. Means Ausley McMullen P.O. Box 391 Tallahassee, FL 32302 <a href="mailto:jbeasley@ausley.com">jbeasley@ausley.com</a> <a href="mailto:jwahlen@ausley.com">jwahlen@ausley.com</a> <a href="mailto:mmeans@ausley.com">mmeans@ausley.com</a></p> <p>Russell A. Badders Gulf Power Company One Energy Place, Bin 100 Pensacola, FL 32520-0100 <a href="mailto:russell.badders@nexteraenergy.com">russell.badders@nexteraenergy.com</a></p> <p>Kenneth A. Hoffman Florida Power &amp; Light Company 134 W. Jefferson Street Tallahassee, FL 32301-1713 <a href="mailto:ken.hoffman@fpl.com">ken.hoffman@fpl.com</a></p> <p>Jon C. Moyle, Jr. Moyle Law Firm, P.A. FIPUG 118 North Gadsden Street Tallahassee, FL 32301 <a href="mailto:jmoyle@moylelaw.com">jmoyle@moylelaw.com</a> <a href="mailto:mqualls@moylelaw.com">mqualls@moylelaw.com</a></p> <p>Peter J. Mattheis Michael K. Lavanga Stone Mattheis Xenopoulos &amp; Brew, PC Nucor 1025 Thomas Jefferson Street, NW Suite 800 West Washington, DC 20007-5201 <a href="mailto:pjm@smxblaw.com">pjm@smxblaw.com</a> <a href="mailto:mkl@smxblaw.com">mkl@smxblaw.com</a></p>	<p>Anastacia Pirrello / Richard Gentry /C. Rehwinkel/S. Morse/Patty Christensen Office of Public Counsel 111 W. Madison St., Room 812 Tallahassee, FL 32399-1400 <a href="mailto:pirrello.anastacia@leg.state.fl.us">pirrello.anastacia@leg.state.fl.us</a> <a href="mailto:gentry.richard@leg.state.fl.us">gentry.richard@leg.state.fl.us</a> <a href="mailto:Rehwinkel.charles@leg.state.fl.us">Rehwinkel.charles@leg.state.fl.us</a> <a href="mailto:Christensen.patty@leg.state.fl.us">Christensen.patty@leg.state.fl.us</a> <a href="mailto:Morse.stephanie@leg.state.fl.us">Morse.stephanie@leg.state.fl.us</a></p> <p>Paula K. Brown Regulatory Affairs Tampa Electric Company P.O. Box 111 Tampa, FL 33601-0111 <a href="mailto:regdept@tecoenergy.com">regdept@tecoenergy.com</a></p> <p>Maria Moncada Florida Power &amp; Light Company 700 Universe Blvd. (LAW/JB) Juno Beach, FL 33408-0420 <a href="mailto:maria.moncada@fpl.com">maria.moncada@fpl.com</a> <a href="mailto:David.lee@fpl.com">David.lee@fpl.com</a></p> <p>James Brew / Laura W. Baker Stone Law Firm White Springs/PCS Phosphate 1025 Thomas Jefferson St., N.W. Suite 800 West Washington, DC 20007 <a href="mailto:jbrew@smxblaw.com">jbrew@smxblaw.com</a> <a href="mailto:lwb@smxblaw.com">lwb@smxblaw.com</a></p> <p>Mike Cassel Florida Public Utilities Company 208 Wildlight Avenue Yulee, FL 32097 <a href="mailto:mcassel@fpuc.com">mcassel@fpuc.com</a></p> <p>Beth Keating Gunster, Yoakley &amp; Stewart, P.A. FPUC 215 South Monroe Street, Suite 601 Tallahassee, FL 32301 <a href="mailto:bkeating@gunster.com">bkeating@gunster.com</a></p>
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**Duke Energy**

**ACTUAL UNIT PERFORMANCE DATA - YEAR 2021**

<b>Bartow CC</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>	<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Aug-21</b>	<b>Sep-21</b>	<b>Oct-21</b>	<b>Nov-21</b>	<b>Dec-21</b>	<b>Jan - May Period</b>
1. EAF	76.06	74.65	81.64	85.18	78.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.88
2. PH	744.0	672.0	743.0	720.0	744.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,623.0
3. SH	491.2	468.1	606.8	613.7	593.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,773.4
4. RSH	80.7	40.0	8.7	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	130.0
5. UH	172.1	164.0	127.5	105.7	150.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	719.6
6. POH	0.0	0.0	0.0	57.1	2.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.0
7. FOH	172.1	115.3	127.5	48.6	147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	610.9
8. MOH	0.0	48.7	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.7
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
11. PFOH	165.7	223.6	247.2	28.3	238.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	903.5
12. LR PF (MW)	13.0	10.2	13.0	13.0	13.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.3
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
15. NSC (MW)	1,169.00	1,169.00	1,169.00	1,169.00	1,169.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,169.00
16. OPER MBTU	3,009,582	3,248,573	4,027,767	4,164,212	3,801,769	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18,251,903
17. NET GEN (MWH)	371,666	405,079	545,492	567,154	509,059	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,398,450
18. ANOHR (BTU/KWH)	8,097.5	8,019.6	7,383.7	7,342.3	7,468.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,609.9
19. NOF %	64.73	74.03	76.90	79.06	73.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.98
20. NPC (MW)	1,169.00	1,169.00	1,169.00	1,169.00	1,169.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,169.00

**Duke Energy**

**ACTUAL UNIT PERFORMANCE DATA - YEAR 2021**

<b>Crystal River 4</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>	<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Aug-21</b>	<b>Sep-21</b>	<b>Oct-21</b>	<b>Nov-21</b>	<b>Dec-21</b>	<b>Jan - May Period</b>
1. EAF	0.00	0.00	13.64	95.58	85.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.42
2. PH	744.0	672.0	743.0	720.0	744.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,623.0
3. SH	0.0	0.0	137.6	713.3	654.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,505.4
4. RSH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
5. UH	744.0	672.0	605.4	6.7	89.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,117.6
6. POH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
7. FOH	744.0	672.0	605.4	6.7	20.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,048.8
8. MOH	0.0	0.0	0.0	0.0	68.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.8
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
11. PFOH	0.0	0.0	72.9	91.6	86.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	250.7
12. LR PF (MW)	0.0	0.0	353.7	182.8	129.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	214.2
13. PMOH	0.0	0.0	0.0	12.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.6
14. LR PM (MW)	0.0	0.0	0.0	92.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.8
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	0	0	529,940	3,452,548	3,288,633	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,271,121
17. NET GEN (MWH)	0	0	41,724	335,824	319,517	0.00	0.00	0.00	0.00	0.00	0.00	0.00	697,065
18. ANOHR (BTU/KWH)	0.0	0.0	12,701.1	10,280.8	10,292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,431.1
19. NOF %	0.00	0.00	42.58	66.12	68.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.03
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 2021

Crystal River 5	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan - May Period
1. EAF	94.97	93.80	98.56	87.07	94.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.75
2. PH	744.0	672.0	743.0	720.0	744.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,623.0
3. SH	615.0	664.0	743.0	654.0	703.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,379.7
4. RSH	105.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	105.0
5. UH	24.0	8.0	0.0	66.0	40.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	138.3
6. POH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
7. FOH	24.0	8.0	0.0	66.0	40.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	138.3
8. MOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
9. PPOH	0.0	31.7	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.7
10. LR PP (MW)	0.0	298.2	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	298.2
11. PFOH	33.8	61.6	24.9	91.7	12.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	224.9
12. LR PF (MW)	281.9	216.4	306.0	153.3	168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	207.6
13. PMOH	0.0	11.0	0.0	18.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.0
14. LR PM (MW)	0.0	102.0	0.0	289.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	218.6
15. NSC (MW)	710.00	710.00	710.00	710.00	710.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	710.00
16. OPER MBTU	2,554,184	3,923,300	3,466,343	2,929,153	3,368,809	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16,241,788
17. NET GEN (MWH)	243,139	409,436	341,957	268,825	321,255	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,584,612
18. ANOHR (BTU/KWH)	10,505.0	9,582.2	10,136.8	10,896.1	10,486.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,249.7
19. NOF %	55.68	86.85	64.82	57.89	64.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.04
20. NPC (MW)	710.00	710.00	710.00	710.00	710.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	710.00

**Duke Energy**

**ACTUAL UNIT PERFORMANCE DATA - YEAR 2021**

<b>Hines Power Block 1</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>	<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Aug-21</b>	<b>Sep-21</b>	<b>Oct-21</b>	<b>Nov-21</b>	<b>Dec-21</b>	<b>Jan - May Period</b>
1. EAF	98.70	86.63	100.00	33.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.43
2. PH	744.0	672.0	743.0	720.0	744.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,623.0
3. SH	734.3	515.0	743.0	238.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,231.3
4. RSH	0.0	70.2	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.2
5. UH	9.7	86.7	0.0	481.1	744.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,321.5
6. POH	0.0	0.0	0.0	481.1	744.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,225.1
7. FOH	9.7	86.7	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.4
8. MOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
11. PFOH	0.0	6.2	0.0	2.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.2
12. LR PF (MW)	0.0	78.0	0.0	23.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.9
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	2,447,182	1,470,073	2,348,431	716,044	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,981,730
17. NET GEN (MWH)	337,478	194,896	325,063	102,549	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	959,986
18. ANOHR (BTU/KWH)	7,251.4	7,542.9	7,224.5	6,982.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,272.7
19. NOF %	93.79	77.23	89.29	87.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.80
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 2021

Hines Power Block 2	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan - May Period
1. EAF	100.00	100.00	100.00	100.00	99.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.89
2. PH	744.0	672.0	743.0	720.0	744.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,623.0
3. SH	608.0	621.6	537.5	697.4	725.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,189.6
4. RSH	136.0	50.4	205.5	22.6	16.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	430.7
5. UH	0.0	0.0	0.0	0.0	2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.7
6. POH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
7. FOH	0.0	0.0	0.0	0.0	2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.7
8. MOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
11. PFOH	0.0	0.0	0.0	0.0	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.5
12. LR PF (MW)	0.0	0.0	0.0	0.0	94.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.4
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
15. NSC (MW)	524.00	524.00	524.00	524.00	524.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	524.00
16. OPER MBTU	1,766,001	1,898,055	1,653,661	2,288,659	2,302,286	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,908,662
17. NET GEN (MWH)	235,715	249,585	220,637	313,833	313,341	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,333,111
18. ANOHR (BTU/KWH)	7,492.1	7,604.8	7,494.9	7,292.6	7,347.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,432.7
19. NOF %	73.98	76.62	78.33	85.88	82.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.76
20. NPC (MW)	524.00	524.00	524.00	524.00	524.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	524.00

Duke Energy

ACTUAL UNIT PERFORMANCE DATA - YEAR 2021

Hines Power Block 3	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan - May Period
1. EAF	97.33	42.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.94
2. PH	744.0	672.0	743.0	720.0	744.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,623.0
3. SH	360.5	68.6	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	429.2
4. RSH	363.6	219.4	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	583.0
5. UH	19.9	384.0	743.0	720.0	744.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,610.9
6. POH	0.0	384.0	743.0	720.0	744.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,591.0
7. FOH	19.9	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.9
8. MOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
11. PFOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
15. NSC (MW)	521.00	521.00	521.00	521.00	521.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	521.00
16. OPER MBTU	942,240	191,425	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,133,665
17. NET GEN (MWH)	132,532	25,683	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	158,215
18. ANOHR (BTU/KWH)	7,109.5	7,453.4	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,165.3
19. NOF %	70.56	71.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.76
20. NPC (MW)	521.00	521.00	521.00	521.00	521.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	521.00



Duke Energy

ACTUAL UNIT PERFORMANCE DATA - YEAR 2021

Hines Power Block 4	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan - May Period
1. EAF	100.00	100.00	100.00	95.23	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.05
2. PH	744.0	672.0	743.0	720.0	744.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,623.0
3. SH	247.5	657.2	730.9	645.0	734.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,015.0
4. RSH	496.5	14.8	12.1	44.1	9.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	577.1
5. UH	0.0	0.0	0.0	30.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.9
6. POH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
7. FOH	0.0	0.0	0.0	30.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.9
8. MOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
11. PFOH	0.0	0.0	0.0	7.7	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.7
12. LR PF (MW)	0.0	0.0	0.0	79.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.6
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
15. NSC (MW)	519.00	519.00	519.00	519.00	519.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	519.00
16. OPER MBTU	667,789	2,091,981	2,329,866	1,987,871	2,317,051	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,394,557
17. NET GEN (MWH)	96,627	297,969	331,999	285,888	329,922	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,342,405
18. ANOHR (BTU/KWH)	6,911.0	7,020.8	7,017.7	6,953.3	7,023.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,998.3
19. NOF %	75.24	87.36	87.53	85.40	86.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.79
20. NPC (MW)	519.00	519.00	519.00	519.00	519.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	519.00

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January - May 2021

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4A	1/11/2021	FFO	1,997.98	185.0	GENERATOR ROTOR WINDINGS
BCC 4A	4/4/2021	FFO	198.15	185.0	OTHER FUEL QUALITY PROBLEMS (OMC)
BCC 4B	4/17/2021	PO	353.02	183.0	GAS TURBINE - BOROSCOPE INSPECTION
BCC 4B	5/1/2021	FFO	5.38	183.0	OTHER FUEL QUALITY PROBLEMS (OMC)
BCC 4B	5/1/2021	FFO	61.48	183.0	OTHER FUEL QUALITY PROBLEMS (OMC)
BCC 4B	5/4/2021	FFO	10.02	183.0	OTHER FUEL QUALITY PROBLEMS (OMC)
BCC 4B	5/5/2021	FFO	113.42	183.0	OTHER FUEL QUALITY PROBLEMS (OMC)
BCC 4B	5/9/2021	FFO	15.25	183.0	HP EXTRACTION STEAM INSTRUMENTS AND CONTROLS
BCC 4C	1/1/2021	FFO	139.63	187.0	OTHER FUEL QUALITY PROBLEMS (OMC)
BCC 4C	1/11/2021	FFO	0.42	187.0	HEAT RECOVERY STEAM GENERATOR TO GAS TURBINE CON..
BCC 4C	5/2/2021	FFO	717.08	187.0	GENERATOR ROTOR WINDINGS
BCC 4D	1/1/2021	FFO	161.23	186.0	OTHER FUEL QUALITY PROBLEMS (OMC)
BCC 4D	1/16/2021	FFO	0.62	186.0	OPERATOR ERROR
BCC 4D	5/29/2021	FFO	2.00	186.0	PILOT FUEL PIPING AND VALVES
BCC 4S	1/5/2021	FFO	113.47	339.0	TURBINE - MISCELLANEOUS TURBINE PIPING
BCC 4S	1/11/2021	PFO	1,997.98	12.1	GENERATOR ROTOR WINDINGS
BCC 4S	2/22/2021	FMO	142.85	339.0	TURBINE - MISCELLANEOUS TURBINE PIPING
BCC 4S	5/2/2021	PFO	717.08	13.0	GENERATOR ROTOR WINDINGS

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA - January - May 2021**

**Crystal River 4**

<b>Date</b>	<b>Outage Type</b>	<b>Hours</b>	<b>MW Affected</b>	<b>Description</b>
1/1/2021	FFO	1,998.08	712.0	ROTOR; GENERAL
3/26/2021	PFO	7.75	141.0	HEATER DRAIN PUMPS
3/28/2021	FFO	15.53	712.0	FEEDWATER PUMP
3/28/2021	PFO	65.18	379.0	FEEDWATER PUMP
3/31/2021	FFO	14.48	712.0	FEEDWATER PUMP
4/1/2021	PFO	3.98	127.1	PULVERIZER FEEDERS
4/11/2021	PFO	1.25	92.8	PULVERIZER FEEDERS
4/11/2021	PFO	17.50	426.0	PRIMARY AIR FAN
4/13/2021	PMO	12.58	93.0	HEATER DRAIN PUMPS
4/15/2021	PFO	3.32	92.9	PULVERIZER FEEDERS
4/16/2021	PFO	6.00	127.0	PULVERIZER FEEDERS
4/16/2021	PFO	5.00	46.0	WET COAL (OMC)
4/17/2021	PFO	35.50	46.0	PULVERIZER FEEDERS
4/19/2021	PFO	8.00	302.0	WET COAL (OMC)
4/20/2021	PFO	11.00	302.0	WET COAL (OMC)
5/4/2021	PFO	14.00	93.0	PULVERIZER FEEDERS
5/11/2021	PFO	4.50	93.0	PULVERIZER FEEDERS
5/21/2021	FFO	20.70	712.0	OTHER MISCELLANEOUS BOILER AIR AND GAS SYSTEM PROBLEMS
5/25/2021	PFO	3.00	103.0	PULVERIZER FEEDERS
5/26/2021	PFO	64.67	141.0	FURNACE WALL LEAKS
5/29/2021	FMO	68.82	712.0	FIRST SUPERHEATER LEAKS

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA - January - May 2021**

**Crystal River 5**

<b>Date</b>	<b>Outage Type</b>	<b>Hours</b>	<b>MW Affected</b>	<b>Description</b>
1/5/2021	FFO	24.00	710.0	DC PROTECTION DEVICES
1/18/2021	PFO	33.75	282.0	CONDENSATE/HOTWELL PUMPS
2/2/2021	PFO	1.50	109.8	PULVERIZER FEEDERS
2/4/2021	PMO	8.00	110.0	PULVERIZER FEEDERS
2/7/2021	PFO	27.47	72.0	HEATER DRAIN PUMPS
2/10/2021	PMO	3.00	80.0	LOW PRESSURE HEATER - OTHER
2/15/2021	PFO	0.58	25.6	SERVICE AIR VALVES
2/16/2021	FFO	8.00	710.0	OTHER MISCELLANEOUS STEAM TURBINE PROBLEMS
2/17/2021	PFO	8.00	510.0	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM
2/17/2021	PFO	4.00	370.1	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM
2/17/2021	PFO	18.00	300.0	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM
2/19/2021	PPO	9.50	25.0	MISCELLANEOUS REGULATORY
2/21/2021	PFO	2.00	100.1	PULVERIZER MILLS
2/24/2021	PPO	9.23	415.0	MISCELLANEOUS REGULATORY
2/25/2021	PPO	12.98	415.0	MISCELLANEOUS REGULATORY
3/15/2021	PFO	18.00	370.0	AIR HEATER (REGENERATIVE)
3/18/2021	PFO	6.90	139.0	PULVERIZER FEEDERS
4/8/2021	PFO	55.52	150.0	FIRST SUPERHEATER LEAKS
4/10/2021	FFO	65.98	710.0	FIRST SUPERHEATER LEAKS
4/14/2021	PFO	4.00	110.1	OPERATING PROCEDURE ERROR
4/14/2021	PMO	9.00	510.0	OTHER TURBINE INSTRUMENT AND CONTROL PROBLEMS
4/17/2021	PFO	8.20	91.0	PULVERIZER FEEDERS
4/17/2021	PFO	3.00	49.9	WET COAL (OMC)
4/19/2021	PFO	8.00	305.0	WET COAL (OMC)
4/20/2021	PFO	13.00	150.0	WET COAL (OMC)
4/21/2021	PMO	1.00	149.8	PULVERIZER FEEDERS
4/29/2021	PMO	8.00	60.0	HEATER DRAIN PUMPS
5/2/2021	PFO	4.25	25.1	OTHER HIGH PRESSURE HEATER PROBLEMS
5/2/2021	PFO	2.68	567.1	OTHER MISCELLANEOUS BOILER AIR AND GAS SYSTEM PROBLEMS
5/2/2021	FFO	40.30	710.0	OTHER MISCELLANEOUS BOILER AIR AND GAS SYSTEM PROBLEMS
5/14/2021	PFO	6.00	91.0	PULVERIZER INSPECTION

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA - January - May 2021**

**Hines Power Block 1**

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 1A	1/31/2021	FFO	70.50	163.0	OTHER MISCELLANEOUS BALANCE OF PLANT PROBLEMS
HEP 1A	2/4/2021	FFO	30.37	163.0	SWITCHYARD SYSTEM PROTECTION DEVICES
HEP 1A	2/13/2021	FFO	35.00	163.0	OTHER MISCELLANEOUS BALANCE OF PLANT PROBLEMS
HEP 1A	2/16/2021	FFO	19.33	163.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
HEP 1A	2/22/2021	FFO	35.70	163.0	OTHER EXCITER PROBLEMS
HEP 1A	4/7/2021	PFO	6.00	24.0	GAS TURBINE - HIGH PRESSURE TURBINE BEARINGS
HEP 1A	4/10/2021	PO	1,225.08	163.0	GENERAL GAS TURBINE UNIT INSPECTION
HEP 1B	1/31/2021	FFO	22.22	169.0	GAS TURBINE - CONTROLS AND INSTRUMENTS
HEP 1B	2/2/2021	FFO	3.42	169.0	OTHER MISCELLANEOUS CONDENSING SYSTEM PROBLEMS
HEP 1B	2/13/2021	FFO	9.47	169.0	OTHER MISCELLANEOUS BALANCE OF PLANT PROBLEMS
HEP 1B	4/10/2021	PO	1,225.08	169.0	GENERAL GAS TURBINE UNIT INSPECTION
HEP ST1	1/31/2021	FFO	46.38	158.0	GAS TURBINE - CONTROLS AND INSTRUMENTS
HEP ST1	2/12/2021	FFO	6.47	158.0	EMERGENCY GENERATOR TRIP DEVICES
HEP ST1	2/13/2021	FFO	11.67	158.0	GENERATOR SYNCHRONIZATION EQUIPMENT
HEP ST1	2/16/2021	PFO	19.33	78.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
HEP ST1	4/10/2021	PO	1,225.08	158.0	GENERAL GAS TURBINE UNIT INSPECTION

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA - January - May 2021**

**Hines Power Block 2**

<b>Unit</b>	<b>Date</b>	<b>Outage Type</b>	<b>Hours</b>	<b>MW Affected</b>	<b>Description</b>
HEP 2A	5/20/2021	FFO	0.50	172.0	OTHER MISCELLANEOUS CONDENSATE SYSTEM PROBLEMS
HEP 2B	5/24/2021	FFO	7.50	175.0	GAS TURBINE - IGNITION SYSTEM
HEP ST2	5/24/2021	PFO	7.50	94.4	GAS TURBINE - IGNITION SYSTEM

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA - January - May 2021**

**Hines Power Block 3**

<b>Unit</b>	<b>Date</b>	<b>Outage Type</b>	<b>Hours</b>	<b>MW Affected</b>	<b>Description</b>
HEP 3A	1/10/2021	FFO	14.50	173.3	FEEDWATER PUMP
HEP 3A	1/25/2021	FFO	0.55	173.3	BLADE PATH TEMPERATURE SPREAD
HEP 3A	1/25/2021	FFO	44.48	173.3	BLADE PATH TEMPERATURE SPREAD
HEP 3A	2/13/2021	PO	2,591.00	173.3	GENERAL GAS TURBINE UNIT INSPECTION
HEP 3B	2/13/2021	PO	2,591.00	173.3	GENERAL GAS TURBINE UNIT INSPECTION
HEP ST3	2/13/2021	PO	2,591.00	169.3	INSPECTION

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA - January - May 2021**

**Hines Power Block 4**

<b>Unit</b>	<b>Date</b>	<b>Outage Type</b>	<b>Hours</b>	<b>MW Affected</b>	<b>Description</b>
HEP 4A	4/11/2021	FFO	22.92	175.0	PROTECTION DEVICES
HEP 4A	4/20/2021	FFO	34.68	175.0	MAIN TRANSFORMER
HEP 4B	4/7/2021	FFO	36.15	175.0	OTHER GAS TURBINE FUEL SYSTEM PROBLEMS
HEP ST4	4/11/2021	PFO	22.92	75.0	PROTECTION DEVICES