DUKE ENERGY FLORIDA

Stephanie A. Cuello
SENIOR COUNSEL

June 28, 2022

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 May 2022;* Docket No. 20220001-EI

Dear Mr. Teitzman:

Attached for electronic filing in the above-referenced Docket is Duke Energy Florida, LLC's Performance Data Report for May 2022.

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/ts
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. 20220001-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, 2022.

s/ Stephanie A. Cuello
Stephanie A. Cuello

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Duke Energy

ACTUAL UNIT PERFORMANCE DATA - YEAR 2022

Bartow CC	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan - May Period
1. EAF	82.13	84.53	83.83	89.97	93.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.92
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	575.3	482.6	565.3	625.1	681.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,929.4
4. RSH	35.7	85.5	57.6	22.7	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	219.5
5. UH	132.9	104.0	120.1	72.2	44.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	474.1
6. POH	0.0	60.5	56.5	53.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170.7
7. FOH	86.3	4.4	53.9	8.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	155.0
8. MOH	46.6	39.0	9.8	10.2	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	148.4
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	3,419,170	2,526,080	3,226,540	4,198,730	5,280,350	0	0	0	0	0	0	0	18,650,870
17. NET GEN (MWH)	449,201	333,568	425,749	561,625	669,270	0	0	0	0	0	0	0	2,439,413
18. ANOHR (BTU/KWH)	7,611.7	7,572.9	7,578.5	7,476.0	7,889.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,645.6
19. NOF %	70.21	62.16	67.73	80.79	88.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.89
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 2022

Crystal River 4	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan - May Period
1. EAF	97.52	45.54	0.00	57.27	74.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.24
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	134.2	350.5	0.0	427.5	628.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,540.6
4. RSH	607.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	607.2
5. UH	2.7	321.5	743.0	292.5	115.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,475.3
6. POH	0.0	321.5	743.0	106.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,171.4
7. FOH	2.7	0.0	0.0	32.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.9
8. MOH	0.0	0.0	0.0	153.4	115.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	269.0
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	81.3	36.0	0.0	328.6	209.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	655.2
12. LR PF (MW)	138.0	284.0	0.0	32.8	229.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	122.3
13. PMOH	0.0	191.5	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	207.5
14. LR PM (MW)	0.0	112.0	0.0	0.0	162.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115.9
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	659,960	1,625,780	0	1,788,120	2,478,600	0	0	0	0	0	0	0	6,552,460
17. NET GEN (MWH)	54,903	158,983	0	163,666	228,055	0	0	0	0	0	0	0	605,607
18. ANOHR (BTU/KWH)	12,020.5	10,226.1	0.0	10,925.4	10,868.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,819.7
19. NOF %	57.48	63.70	0.00	53.77	50.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.21
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

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ACTUAL UNIT PERFORMANCE DATA - YEAR 2022

Crystal River 5	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan - May Period
1. EAF	94.17	96.46	53.64	98.73	81.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.53
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	308.2	672.0	404.0	720.0	653.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,758.0
4. RSH	407.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	407.5
5. UH	28.3	0.0	339.0	0.0	90.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	457.5
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	28.3	0.0	0.0	0.0	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5
8. MOH	0.0	0.0	339.0	0.0	78.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	417.0
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	39.5	5.0	7.3	30.6	164.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	247.2
12. LR PF (MW)	132.1	48.0	127.9	79.0	210.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175.8
13. PMOH	49.0	38.0	17.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120.0
14. LR PM (MW)	108.0	430.9	169.8	246.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	237.5
15. NSC (MW)	698.00	698.00	698.00	698.00	698.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	698.00
16. OPER MBTU	1,550,860	2,936,440	1,888,620	3,342,620	2,194,850	0	0	0	0	0	0	0	11,913,390
17. NET GEN (MWH)	148,260	282,839	177,541	326,415	196,551	0	0	0	0	0	0	0	1,131,606
18. ANOHR (BTU/KWH)	10,460.4	10,382.0	10,637.7	10,240.4	11,166.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,527.9
19. NOF %	68.93	60.30	62.96	64.95	43.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.78
20. NPC (MW)	698.00	698.00	698.00	698.00	698.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	698.00

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ACTUAL UNIT PERFORMANCE DATA - YEAR 2022

Hines Power Block 1	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan - May Period
1. EAF	95.98	90.85	98.49	100.00	94.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.95
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	714.6	579.4	732.0	720.0	707.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,453.7
4. RSH	0.0	36.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.7
5. UH	29.4	55.9	11.0	0.0	36.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	132.5
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	29.3	21.1	11.0	0.0	19.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.8
8. MOH	0.1	34.8	0.0	0.0	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.8
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	3.1	21.2	1.5	0.0	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.9
12. LR PF (MW)	70.5	80.0	82.0	0.0	47.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4
13. PMOH	0.0	12.8	0.0	0.0	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2
14. LR PM (MW)	0.0	82.0	0.0	0.0	72.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.4
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	1,961,550	1,462,500	2,070,850	2,255,370	2,156,950	0	0	0	0	0	0	0	9,907,220
17. NET GEN (MWH)	262,610	194,076	280,437	307,545	293,987	0	0	0	0	0	0	0	1,338,655
18. ANOHR (BTU/KWH)	7,469.4	7,535.7	7,384.4	7,333.5	7,336.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,400.9
19. NOF %	75.00	68.36	78.18	87.17	84.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.10
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 2022

Hines Power Block 2	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan - May Period
1. EAF	99.08	100.00	22.77	0.00	68.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.60
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	601.2	599.2	169.2	0.0	509.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,879.1
4. RSH	135.9	72.8	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	221.7
5. UH	6.8	0.0	573.8	720.0	221.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,522.2
6. POH	0.0	0.0	573.8	720.0	158.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,452.2
7. FOH	6.8	0.0	0.0	0.0	38.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.2
8. MOH	0.0	0.0	0.0	0.0	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.8
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	75.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.3
12. LR PF (MW)	0.0	0.0	0.0	0.0	99.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.9
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	1,685,920	1,720,830	512,300	0	1,606,940	0	0	0	0	0	0	0	5,525,990
17. NET GEN (MWH)	222,441	230,555	69,355	0	203,296	0	0	0	0	0	0	0	725,647
18. ANOHR (BTU/KWH)	7,579.2	7,463.9	7,386.6	0.0	7,904.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,615.3
19. NOF %	69.54	72.33	77.07	0.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.59
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 2022

Hines Power Block 3	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan - May Period
1. EAF	82.12	99.77	100.00	100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.29
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	578.1	609.7	743.0	720.0	744.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,394.8
4. RSH	36.3	61.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.3
5. UH	129.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130.9
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	19.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0
8. MOH	110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110.0
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	20.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6
12. LR PF (MW)	88.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88.1
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	1,587,590	1,761,970	2,237,840	2,303,820	2,420,630	0	0	0	0	0	0	0	10,311,850
17. NET GEN (MWH)	217,444	243,990	313,300	317,812	334,159	0	0	0	0	0	0	0	1,426,705
18. ANOHR (BTU/KWH)	7,301.1	7,221.5	7,142.8	7,249.0	7,243.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,227.7
19. NOF %	71.92	76.52	80.63	84.40	85.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.36
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

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ACTUAL UNIT PERFORMANCE DATA - YEAR 2022

Hines Power Block 4	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan - May Period
1. EAF	99.95	97.40	62.13	61.37	55.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.83
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	717.9	577.7	501.6	481.4	451.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,729.7
4. RSH	25.7	76.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102.5
5. UH	0.4	17.5	241.4	238.6	292.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	790.7
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	0.4	4.8	241.4	238.6	292.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	778.1
8. MOH	0.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6
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	245.6	242.8	256.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	744.7
12. LR PF (MW)	0.0	0.0	84.0	84.0	83.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.8
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	2,178,380	1,654,640	1,233,660	1,233,680	1,179,800	0	0	0	0	0	0	0	7,480,160
17. NET GEN (MWH)	305,839	232,522	174,201	171,514	162,277	0	0	0	0	0	0	0	1,046,353
18. ANOHR (BTU/KWH)	7,122.6	7,116.1	7,081.8	7,192.9	7,270.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,148.8
19. NOF %	82.56	78.00	67.30	69.05	69.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.29
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 2022

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4A	1/30/2022	FFO	3.73	181.0	INSTRUMENT AIR PIPING
BCC 4A	3/8/2022	PO	270.47	181.0	GAS FUEL SYSTEM INCLUDING CONTROLS AND INSTRUMENTATION
BCC 4A	3/20/2022	FFO	25.25	181.0	FLASHBACK INCLUDING INSTRUMENTATION
BCC 4A	3/26/2022	FFO	0.48	181.0	FUEL PIPING AND VALVES
BCC 4B	1/1/2022	FMO	159.17	165.0	OTHER FUEL SYSTEM PROBLEMS
BCC 4B	1/7/2022	FFO	68.80	165.0	BLADE PATH TEMPERATURE SPREAD
BCC 4B	1/12/2022	FFO	115.37	165.0	LIQUID FUEL PURGE SYSTEM
BCC 4B	1/18/2022	FFO	247.80	165.0	FUEL NOZZLES/VANES
BCC 4B	2/12/2022	PO	492.00	165.0	BOROSCOPE INSPECTION
BCC 4B	3/16/2022	FFO	5.83	165.0	FUEL NOZZLES/VANES
BCC 4B	3/21/2022	FFO	13.77	165.0	FUEL PIPING AND VALVES
BCC 4B	5/2/2022	FFO	2.05	165.0	UNIT AUXILIARIES TRANSFORMER
BCC 4C	1/5/2022	FFO	129.20	181.0	OTHER CO REDUCTION PROBLEMS
BCC 4C	1/31/2022	FFO	3.57	181.0	FUEL PIPING AND VALVES
BCC 4C	2/24/2022	FMO	164.75	181.0	FUEL NOZZLES/VANES
BCC 4C	3/7/2022	FFO	12.00	181.0	PILOT FUEL PIPING AND VALVES
BCC 4C	3/8/2022	FFO	188.72	181.0	FUEL PIPING AND VALVES
BCC 4C	3/22/2022	FFO	1.32	181.0	MAIN TRANSFORMER
BCC 4C	3/31/2022	FFO	48.92	181.0	FUEL PIPING AND VALVES
BCC 4C	4/21/2022	FFO	6.98	181.0	BLADE PATH TEMPERATURE SPREAD
BCC 4C	4/23/2022	FFO	15.33	181.0	FUEL PIPING AND VALVES
BCC 4C	4/28/2022	FMO	62.78	181.0	EXPANSION JOINTS
BCC 4D	1/11/2022	FMO	132.35	183.0	FUEL PIPING AND VALVES
BCC 4D	1/31/2022	FMO	140.73	183.0	FUEL NOZZLES/VANES
BCC 4D	2/23/2022	FFO	26.90	183.0	IGNITION SYSTEM
BCC 4D	3/7/2022	FFO	57.00	183.0	PILOT FUEL PIPING AND VALVES
BCC 4D	3/10/2022	FFO	6.67	183.0	BLADE PATH TEMPERATURE SPREAD
BCC 4D	3/16/2022	FFO	0.92	183.0	FUEL PIPING AND VALVES
BCC 4D	3/16/2022	FFO	0.08	183.0	BLADE PATH TEMPERATURE SPREAD
BCC 4D	4/2/2022	PO	325.97	183.0	BOROSCOPE INSPECTION
BCC 4D	5/2/2022	FFO	3.63	183.0	UNIT AUXILIARIES TRANSFORMER
BCC 4D	5/26/2022	FFO	7.12	183.0	FIRE DETECTION AND EXTINGUISHING SYSTEM
BCC 4S	5/10/2022	FMO	118.28	402.0	CROSSOVER OR UNDER PIPING

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to May 2022

Crystal River 4

Date	Outage Type	Hours	MW Affected	Description
1/26/2022	PFO	50.40	62.0	PRIMARY AIR DUCT AND DAMPERS
1/27/2022	PFO	30.90	262.0	PRIMARY AIR DUCT AND DAMPERS
1/31/2022	FFO	2.67	712.0	OTHER MISCELLANEOUS BOILER AIR AND GAS SYSTEM PROBLEMS
2/1/2022	PFO	35.97	284.0	FEEDWATER PUMP DRIVE - STEAM TURBINE
2/7/2022	PMO	191.53	112.0	COAL CRUSHERS INCLUDING MOTORS
2/15/2022	PO	1,171.35	712.0	BOILER INSPECTIONS – SCHEDULED OR ROUTINE
4/6/2022	FMO	77.35	712.0	PRIMARY AIR FAN
4/11/2022	PFO	39.00	46.0	CONDENSATE/HOTWELL PUMP MOTOR
4/19/2022	PFO	230.58	8.0	OTHER FEEDWATER VALVES
4/20/2022	FMO	76.05	712.0	FIRST SUPERHEATER LEAK
4/25/2022	FFO	32.22	712.0	CONDENSATE POLISHING AND FILTERING SYSTEMS
4/29/2022	PFO	72.00	2.0	OTHER MISCELLANEOUS CONDENSING SYSTEM PROBLEMS
4/30/2022	PFO	36.00	307.0	OTHER FEEDWATER VALVES
5/2/2022	PFO	7.00	93.0	WET COAL (OMC)
5/2/2022	PFO	45.50	284.0	PRIMARY AIR FLOW INSTRUMENTATION
5/4/2022	PFO	16.50	284.0	PRIMARY AIR FLOW INSTRUMENTATION
5/11/2022	PFO	1.50	62.0	PRIMARY AIR FLOW INSTRUMENTATION
5/17/2022	PMO	6.00	412.0	OTHER PRIMARY AIR FAN PROBLEMS
5/22/2022	PFO	89.83	284.0	CIRCULATING WATER PRIMING SYSTEM
5/24/2022	PMO	10.00	12.0	SECONDARY AIR FAN/BLOWER CONTROLS
5/27/2022	FMO	115.63	712.0	CIRCULATING WATER CHEMISTRY

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to May 2022

Crystal River 5

Date	Outage Type	Hours	MW Affected	Description
1/18/2022	PFO	28.50	79.0	PULVERIZER FEEDER MOTOR
1/21/2022	FFO	28.33	698.0	BURNERS
1/22/2022	PFO	7.00	270.0	CONDENSATE/HOTWELL PUMP MOTOR
1/22/2022	PFO	3.98	270.0	FORCED DRAFT FAN DRIVES (OTHER THAN MOTOR)
1/27/2022	PMO	49.00	108.0	COAL CONVEYORS AND FEEDERS
2/10/2022	PMO	30.00	473.0	OTHER MISCELLANEOUS CONDENSING SYSTEM PROBLEMS
2/18/2022	PFO	5.00	48.0	PULVERIZER MILLS
2/24/2022	PMO	8.00	273.0	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM
3/1/2022	PMO	10.00	248.0	FEEDWATER PUMP
3/11/2022	PMO	7.00	58.0	PULVERIZER FEEDERS
3/13/2022	FMO	339.00	698.0	FEEDWATER REGULATING (BOILER LEVEL CONTROL) VALVE
3/28/2022	PFO	1.75	222.0	LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY)
3/30/2022	PFO	5.50	98.0	PULVERIZER MILLS
4/13/2022	PMO	6.00	78.0	DRUM RELIEF/SAFETY VALVES
4/19/2022	PMO	10.00	348.0	FEEDWATER PUMP LOCAL CONTROLS
4/28/2022	PFO	30.62	79.0	INDUCED DRAFT FAN MOTORS - VARIABLE SPEED
5/3/2022	PFO	20.00	70.0	SECOND SUPERHEATER TUBE LEAK
5/4/2022	PFO	61.00	127.0	SECOND SUPERHEATER TUBE LEAK
5/7/2022	FMO	78.00	698.0	WATERWALL (FURNACE WALL)
5/10/2022	PFO	54.00	270.0	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM
5/15/2022	PFO	16.00	473.0	CONTROL VALVES
5/22/2022	PFO	2.00	79.0	IGNITERS
5/23/2022	PFO	11.83	270.0	CIRCULATING WATER PRIMING SYSTEM
5/23/2022	FFO	12.17	698.0	BOILER, MISCELLANEOUS

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to May 2022

Hines Power Block 1

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 1A	1/24/2022	FFO	4.22	161.0	FEEDWATER REGULATING (BOILER LEVEL CONTROL) VALVE
HEP 1A	1/25/2022	PFO	4.67	71.0	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS
HEP 1A	1/31/2022	FMO	67.33	161.0	OTHER MISCELLANEOUS GENERATOR PROBLEMS
HEP 1A	2/8/2022	FFO	64.25	161.0	GENERATOR OUTPUT BREAKER
HEP 1A	2/24/2022	FMO	38.82	161.0	GAS TURBINE CONTROL SYSTEM - HARDWARE PROBLEMS
HEP 1A	3/8/2022	FFO	13.25	161.0	GAS FUEL SYSTEM INCLUDING CONTROLS AND INSTRUMENTATION
HEP 1A	5/13/2022	FFO	50.58	161.0	GENERATOR CURRENT AND POTENTIAL TRANSFORMERS
HEP 1A	5/21/2022	FFO	8.33	161.0	OTHER SAFETY PROBLEMS
HEP 1B	1/24/2022	FFO	74.25	167.0	STATOR WINDINGS, BUSHINGS, AND TERMINALS
HEP 1B	3/8/2022	FFO	6.28	167.0	GAS FUEL SYSTEM INCLUDING CONTROLS AND INSTRUMENTATION
HEP 1B	3/18/2022	FFO	4.52	167.0	BLADE PATH TEMPERATURE SPREAD
HEP 1B	5/26/2022	PFO	56.00	47.0	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS
HEP 1B	5/29/2022	FMO	49.52	167.0	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS
HEP ST1	1/24/2022	FFO	7.98	162.0	FEEDWATER REGULATING (BOILER LEVEL CONTROL) VALVE
HEP ST1	1/25/2022	PFO	4.67	70.0	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS
HEP ST1	2/8/2022	PFO	64.25	80.0	GENERATOR OUTPUT BREAKER
HEP ST1	2/24/2022	PMO	38.82	82.0	GAS TURBINE CONTROL SYSTEM - HARDWARE PROBLEMS
HEP ST1	3/8/2022	FFO	8.90	162.0	GAS FUEL SYSTEM INCLUDING CONTROLS AND INSTRUMENTATION
HEP ST1	3/18/2022	PFO	4.52	82.0	BLADE PATH TEMPERATURE SPREAD
HEP ST1	5/13/2022	PFO	50.58	82.0	GENERATOR CURRENT AND POTENTIAL TRANSFORMERS
HEP ST1	5/21/2022	PFO	8.33	82.0	OTHER SAFETY PROBLEMS
HEP ST1	5/26/2022	PFO	56.00	12.0	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS
HEP ST1	5/29/2022	PMO	49.52	72.0	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to May 2022

Hines Power Block 2

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 2A	3/8/2022	PO	1,281.83	176.0	BOILER INSPECTIONS – SCHEDULED OR ROUTINE
HEP 2A	4/30/2022	PO	97.03	176.0	OTHER FEEDWATER VALVES
HEP 2A	5/4/2022	PO	1.03	176.0	OTHER FEEDWATER VALVES
HEP 2A	5/4/2022	PO	21.88	176.0	OTHER FEEDWATER SYSTEM PROBLEMS
HEP 2A	5/5/2022	PO	20.92	176.0	NOX STACK EMISSIONS – GAS TURBINE
HEP 2A	5/6/2022	PO	70.58	176.0	OTHER FUEL SYSTEM PROBLEMS
HEP 2A	5/10/2022	PFO	15.40	53.0	FUEL FILTERS
HEP 2A	5/10/2022	FMO	74.85	176.0	FUEL FILTERS
HEP 2A	5/14/2022	FFO	12.32	176.0	FEEDWATER PUMP
HEP 2A	5/22/2022	FFO	103.73	176.0	OTHER FUEL SYSTEM PROBLEMS
HEP 2B	1/22/2022	FFO	16.55	174.0	IGNITION SYSTEM
HEP 2B	1/29/2022	FFO	4.28	174.0	FEEDWATER CONTROLS
HEP 2B	3/8/2022	PO	1,397.62	174.0	BOILER INSPECTIONS – SCHEDULED OR ROUTINE
HEP 2B	5/5/2022	PO	32.45	174.0	GLAND SEAL SYSTEM
HEP ST2	3/8/2022	PO	1,433.50	182.0	BOILER INSPECTIONS – SCHEDULED OR ROUTINE
HEP ST2	5/10/2022	PFO	15.40	114.0	FUEL FILTERS
HEP ST2	5/10/2022	PFO	74.85	104.0	FUEL FILTERS
HEP ST2	5/14/2022	PFO	11.13	99.0	FEEDWATER PUMP
HEP ST2	5/22/2022	PFO	103.73	102.0	OTHER FUEL SYSTEM PROBLEMS

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to May 2022

Hines Power Block 3

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 3A	1/21/2022	FMO	105.00	171.0	CONTROL VALVES
HEP 3A	1/28/2022	FFO	60.13	171.0	IP EVAPORATOR TUBES
HEP 3B	1/21/2022	FMO	109.25	176.0	CONTROL VALVES
HEP 3B	2/18/2022	FFO	3.92	176.0	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS
HEP ST3	1/21/2022	FMO	115.47	176.0	CONTROL VALVES
HEP ST3	1/28/2022	PFO	60.13	88.0	IP EVAPORATOR TUBES
HEP ST3	2/18/2022	PFO	3.92	90.0	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to May 2022

Hines Power Block 4

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 4A	1/22/2022	FFO	1.18	171.0	OTHER HP STEAM SYSTEM PROBLEMS
HEP 4A	2/9/2022	FFO	12.92	171.0	FEEDWATER PUMP
HEP 4A	2/25/2022	FMO	13.53	171.0	SWITCHYARD CIRCUIT BREAKERS – EXTERNAL
HEP 4A	5/8/2022	FFO	91.90	171.0	ATOMIZING AIR SYSTEM
HEP 4A	5/12/2022	FFO	0.67	171.0	TURBINE GOVERNING SYSTEM
HEP 4B	2/8/2022	FFO	1.70	171.0	COOLING AND SEAL AIR SYSTEM
HEP 4B	2/26/2022	FMO	12.10	171.0	SWITCHYARD CIRCUIT BREAKERS – EXTERNAL
HEP 4B	3/1/2022	FFO	1,511.27	171.0	OTHER MISCELLANEOUS GAS TURBINE PROBLEMS
HEP 4B	5/5/2022	FFO	630.78	171.0	ATOMIZING AIR SYSTEM
HEP ST4	2/26/2022	FMO	12.30	174.0	SWITCHYARD CIRCUIT BREAKERS – EXTERNAL
HEP ST4	3/1/2022	PFO	1,511.27	84.0	OTHER MISCELLANEOUS GAS TURBINE PROBLEMS
HEP ST4	5/5/2022	PFO	630.78	84.0	ATOMIZING AIR SYSTEM
HEP ST4	5/5/2022	PFO	66.33	79.0	ATOMIZING AIR SYSTEM
HEP ST4	5/8/2022	FFO	95.02	174.0	ATOMIZING AIR SYSTEM
HEP ST4	5/12/2022	FFO	0.85	174.0	TURBINE GOVERNING SYSTEM