



Stephanie A. Cuello
SENIOR COUNSEL

December 15, 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 November 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 November 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/vr
Attachment

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 15th day of December, 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 - Nov Period
1. EAF	82.13	84.53	83.83	89.97	93.97	98.06	99.23	97.11	90.23	89.34	57.09	0.00	87.85
2. PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	0.0	8,016.0
3. SH	575.3	482.6	565.3	625.1	681.2	706.1	738.2	718.5	642.5	608.4	338.5	0.0	6,681.6
4. RSH	35.7	85.5	57.6	22.7	18.0	0.0	0.7	3.9	7.1	67.5	77.4	0.0	376.1
5. UH	132.9	104.0	120.1	72.2	44.8	13.9	5.1	21.5	70.4	68.2	305.2	0.0	958.4
6. POH	0.0	60.5	56.5	53.6	0.0	1.0	0.8	0.0	0.0	37.1	297.2	0.0	506.8
7. FOH	86.3	4.4	53.9	8.4	2.1	0.5	0.0	21.5	69.9	31.1	0.2	0.0	278.2
8. MOH	46.6	39.0	9.8	10.2	42.8	12.5	4.3	0.0	0.5	0.0	7.7	0.0	173.3
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.7	0.0	0.0	70.7
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175.0	0.0	0.0	175.0
11. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.9	0.0	26.9
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175.0	0.0	175.0
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	0.0	0.0	0.0	0.0	8.4
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	76.0	0.0	0.0	0.0	0.0	0.0	76.0
15. NSC (MW)	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	0.00	1,112.00
16. OPER MBTU	3,419,170	2,526,080	3,226,540	4,198,730	5,280,350	5,181,640	5,476,890	5,239,800	4,793,430	4,286,800	3,017,230	0	46,646,660
17. NET GEN (MWH)	449,201	333,568	425,749	561,625	669,270	704,122	740,475	703,914	632,253	545,562	292,816	0	6,058,555
18. ANOHR (BTU/KWH)	7,611.7	7,572.9	7,578.5	7,476.0	7,889.7	7,359.0	7,396.5	7,443.8	7,581.5	7,857.6	10,304.2	0.0	7,699.3
19. NOF %	70.21	62.16	67.73	80.79	88.35	89.68	90.21	88.10	88.49	80.64	77.80	0.00	81.54
20. NPC (MW)	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	1,112.00	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 - Nov Period
1. EAF	97.52	45.54	0.00	57.27	74.92	98.14	88.88	57.53	58.07	97.47	96.08	0.00	70.28
2. PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	0.0	8,016.0
3. SH	134.2	350.5	0.0	427.5	628.4	709.9	744.0	443.2	419.3	316.0	721.0	0.0	4,893.9
4. RSH	607.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	428.0	0.0	0.0	1,035.2
5. UH	2.7	321.5	743.0	292.5	115.6	10.1	0.0	300.8	300.8	0.0	0.0	0.0	2,086.9
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	143.9	0.0	0.0	0.0	178.8
8. MOH	0.0	0.0	0.0	153.4	115.6	10.1	0.0	300.8	156.9	0.0	0.0	0.0	736.8
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	18.0	0.0	36.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	122.0	122.0	0.0	122.0
11. PFOH	81.3	36.0	0.0	328.6	209.3	0.0	550.5	398.1	2.1	35.5	128.0	0.0	1,769.4
12. LR PF (MW)	138.0	284.0	0.0	32.8	229.0	0.0	107.0	27.1	403.0	188.0	123.5	0.0	97.9
13. PMOH	0.0	191.5	0.0	0.0	16.0	4.5	0.0	0.0	0.0	37.0	4.5	0.0	253.5
14. LR PM (MW)	0.0	112.0	0.0	0.0	162.0	522.0	0.0	0.0	0.0	122.0	474.0	0.0	130.3
15. NSC (MW)	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	0.00	712.00
16. OPER MBTU	659,960	1,625,780	0	1,788,120	2,478,600	2,671,650	2,913,290	1,559,970	1,278,340	808,120	2,689,020	0	18,472,850
17. NET GEN (MWH)	54,903	158,983	0	163,666	228,055	232,481	256,607	132,448	108,689	67,782	236,587	0	1,640,201
18. ANOHR (BTU/KWH)	12,020.5	10,226.1	0.0	10,925.4	10,868.4	11,491.9	11,353.1	11,778.0	11,761.4	11,922.3	11,365.9	0.0	11,262.6
19. NOF %	57.48	63.70	0.00	53.77	50.97	45.99	48.44	41.97	36.41	30.13	46.09	0.00	47.07
20. NPC (MW)	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	0.00	712.00

Duke Energy

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 - Nov Period
1. EAF	94.17	96.46	53.64	98.73	81.21	89.20	91.60	96.60	99.69	88.51	98.79	0.00	89.74
2. PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	0.0	8,016.0
3. SH	308.2	672.0	404.0	720.0	653.8	664.0	577.8	718.7	720.0	510.3	721.0	0.0	6,669.8
4. RSH	407.5	0.0	0.0	0.0	0.0	44.0	166.2	0.0	0.0	233.8	0.0	0.0	851.4
5. UH	28.3	0.0	339.0	0.0	90.2	12.0	0.0	25.3	0.0	0.0	0.0	0.0	494.8
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	12.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5
8. MOH	0.0	0.0	339.0	0.0	78.0	0.0	0.0	25.3	0.0	0.0	0.0	0.0	442.3
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	216.0	3.0	0.0	219.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	266.3	460.0	0.0	269.0
11. PFOH	39.5	5.0	7.3	30.6	164.8	195.2	84.2	0.0	7.0	12.4	48.0	0.0	593.9
12. LR PF (MW)	132.1	48.0	127.9	79.0	210.2	235.2	518.0	0.0	222.0	173.2	98.0	0.0	238.0
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	698.00	698.00	698.00	698.00	698.00	698.00	0.00	698.00
16. OPER MBTU	1,550,860	2,936,440	1,888,620	3,342,620	2,194,850	2,369,740	2,092,820	2,569,090	2,477,480	1,703,010	2,772,020	0	25,897,550
17. NET GEN (MWH)	148,260	282,839	177,541	326,415	196,551	212,893	187,838	224,577	220,644	143,197	250,015	0	2,370,770
18. ANOHR (BTU/KWH)	10,460.4	10,382.0	10,637.7	10,240.4	11,166.8	11,131.1	11,141.6	11,439.7	11,228.4	11,892.8	11,087.4	0.0	10,923.7
19. NOF %	68.93	60.30	62.96	64.95	43.07	45.93	46.57	44.77	43.90	40.21	49.68	0.00	50.92
20. NPC (MW)	698.00	698.00	698.00	698.00	698.00	698.00	698.00	698.00	698.00	698.00	698.00	0.00	698.00

Duke Energy

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 - Nov Period
1. EAF	95.98	90.85	98.49	100.00	94.06	80.39	100.00	99.86	92.23	94.23	100.00	0.00	95.16
2. PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	0.0	8,016.0
3. SH	714.6	579.4	732.0	720.0	707.8	589.1	744.0	744.0	664.3	635.8	721.0	0.0	7,552.0
4. RSH	0.0	36.7	0.0	0.0	0.0	3.3	0.0	0.0	0.0	65.2	0.0	0.0	105.3
5. UH	29.4	55.9	11.0	0.0	36.2	127.6	0.0	0.0	55.7	43.0	0.0	0.0	358.8
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	40.0	0.0	0.0	55.7	43.0	0.0	0.0	219.4
8. MOH	0.1	34.8	0.0	0.0	16.9	87.6	0.0	0.0	0.0	0.0	0.0	0.0	139.3
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	1.5	0.0	0.0	0.0	8.5
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.4	74.0	0.0	0.0	0.0	72.7
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	86.6	0.0	0.0	0.0	0.0	0.0	0.0	115.8
14. LR PM (MW)	0.0	82.0	0.0	0.0	72.0	77.0	0.0	0.0	0.0	0.0	0.0	0.0	76.8
15. NSC (MW)	490.00	490.00	490.00	490.00	490.00	490.00	490.00	490.00	490.00	490.00	490.00	0.00	490.00
16. OPER MBTU	1,961,550	1,462,500	2,070,850	2,255,370	2,156,950	1,700,260	2,321,190	2,319,330	2,031,100	1,978,320	2,179,920	0	22,437,340
17. NET GEN (MWH)	262,610	194,076	280,437	307,545	293,987	228,432	314,656	315,245	286,651	267,431	301,073	0	3,052,143
18. ANOHR (BTU/KWH)	7,469.4	7,535.7	7,384.4	7,333.5	7,336.9	7,443.2	7,376.9	7,357.2	7,085.6	7,397.5	7,240.5	0.0	7,351.3
19. NOF %	75.00	68.36	78.18	87.17	84.77	79.13	86.31	86.47	88.07	85.84	85.22	0.00	82.48
20. NPC (MW)	490.00	490.00	490.00	490.00	490.00	490.00	490.00	490.00	490.00	490.00	490.00	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 - Nov Period
1. EAF	99.08	100.00	22.77	0.00	67.18	98.32	88.68	98.50	91.68	97.00	98.59	0.00	78.23
2. PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	0.0	8,016.0
3. SH	601.2	599.2	169.2	0.0	509.5	718.1	658.2	744.0	670.5	669.8	706.0	0.0	6,045.7
4. RSH	135.9	72.8	0.0	0.0	13.0	0.0	12.3	0.0	0.0	62.4	15.0	0.0	311.4
5. UH	6.8	0.0	573.8	720.0	221.5	1.9	73.5	0.0	49.6	11.8	0.0	0.0	1,658.9
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	1.9	32.0	0.0	49.6	11.8	0.0	0.0	140.4
8. MOH	0.0	0.0	0.0	0.0	24.8	0.0	41.5	0.0	0.0	0.0	0.0	0.0	66.2
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	1.5	6.0	1.5	0.0	0.0	0.0	9.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	62.3	58.7	71.5	0.0	0.0	0.0	61.4
11. PFOH	0.0	0.0	0.0	0.0	282.0	246.3	254.5	254.5	246.3	254.5	246.7	0.0	1,784.8
12. LR PF (MW)	0.0	0.0	0.0	0.0	42.8	22.0	22.0	22.0	22.0	22.0	22.0	0.0	25.3
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)	532.00	532.00	532.00	532.00	532.00	532.00	532.00	532.00	532.00	532.00	532.00	0.00	532.00
16. OPER MBTU	1,685,920	1,720,830	512,300	0	1,606,940	2,473,820	2,229,680	2,515,830	2,248,470	2,154,470	2,133,850	0	19,282,110
17. NET GEN (MWH)	222,441	230,555	69,355	0	203,296	318,756	286,066	325,468	293,319	276,500	274,065	0	2,499,821
18. ANOHR (BTU/KWH)	7,579.2	7,463.9	7,386.6	0.0	7,904.4	7,760.9	7,794.3	7,729.9	7,665.6	7,791.9	7,785.9	0.0	7,713.4
19. NOF %	69.54	72.33	77.07	0.00	75.00	83.44	81.70	82.23	82.24	77.59	72.96	0.00	77.72
20. NPC (MW)	532.00	532.00	532.00	532.00	532.00	532.00	532.00	532.00	532.00	532.00	532.00	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 - Nov Period
1. EAF	82.12	99.77	100.00	100.00	100.00	97.88	99.84	100.00	75.90	97.14	90.47	0.00	94.83
2. PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	0.0	8,016.0
3. SH	578.1	609.7	743.0	720.0	744.0	690.7	744.0	744.0	541.6	722.7	441.7	0.0	7,279.4
4. RSH	36.3	61.0	0.0	0.0	0.0	16.2	0.0	0.0	4.9	0.0	210.6	0.0	329.0
5. UH	129.6	1.3	0.0	0.0	0.0	13.1	0.0	0.0	173.5	21.3	68.7	0.0	407.6
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	24.0
7. FOH	19.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	173.5	21.3	0.0	0.0	215.8
8. MOH	110.0	0.0	0.0	0.0	0.0	13.1	0.0	0.0	0.0	0.0	44.7	0.0	167.8
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0	10.2
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	60.9	0.0	0.0	0.0	0.0	0.0	60.9
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	13.1	0.0	0.0	0.0	0.0	0.0	0.0	13.1
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	86.0	0.0	0.0	0.0	0.0	0.0	0.0	86.0
15. NSC (MW)	523.00	523.00	523.00	523.00	523.00	523.00	523.00	523.00	523.00	523.00	523.00	0.00	523.00
16. OPER MBTU	1,587,590	1,761,970	2,237,840	2,303,820	2,420,630	2,224,210	2,391,510	2,426,460	1,625,550	2,309,580	1,354,620	0	22,643,780
17. NET GEN (MWH)	217,444	243,990	313,300	317,812	334,159	308,206	333,269	340,201	228,174	325,503	189,944	0	3,152,002
18. ANOHR (BTU/KWH)	7,301.1	7,221.5	7,142.8	7,249.0	7,243.9	7,216.6	7,175.9	7,132.4	7,124.2	7,095.4	7,131.7	0.0	7,183.9
19. NOF %	71.92	76.52	80.63	84.40	85.88	85.32	85.65	87.43	80.55	86.12	82.23	0.00	82.79
20. NPC (MW)	523.00	523.00	523.00	523.00	523.00	523.00	523.00	523.00	523.00	523.00	523.00	0.00	523.00

Duke Energy

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 - Nov Period
1. EAF	99.95	97.40	62.13	61.37	55.06	94.39	99.90	99.98	91.57	67.51	53.15	0.00	80.12
2. PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	0.0	8,016.0
3. SH	717.9	577.7	501.6	481.4	451.1	683.9	744.0	744.0	659.3	479.5	327.4	0.0	6,367.9
4. RSH	25.7	76.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	55.8	0.0	181.8
5. UH	0.4	17.5	241.4	238.6	292.9	36.1	0.0	0.0	60.7	241.0	337.8	0.0	1,466.3
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	241.0	337.8	0.0	578.8
7. FOH	0.4	4.8	241.4	238.6	292.9	14.7	0.0	0.0	60.7	0.0	0.0	0.0	853.5
8. MOH	0.0	12.6	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	0.0	0.0	34.0
9. PPOH	0.0	0.0	0.0	0.0	0.0	2.0	7.5	1.5	0.0	0.0	0.0	0.0	11.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	53.2	53.2	60.2	0.0	0.0	0.0	0.0	54.1
11. PFOH	0.0	0.0	245.6	242.8	256.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	748.1
12. LR PF (MW)	0.0	0.0	84.0	84.0	83.6	84.0	0.0	0.0	0.0	0.0	0.0	0.0	83.9
13. PMOH	0.0	0.0	0.0	0.0	0.0	21.8	0.0	0.0	0.0	6.3	0.0	0.0	28.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	84.0	0.0	0.0	0.0	59.0	0.0	0.0	78.4
15. NSC (MW)	516.00	516.00	516.00	516.00	516.00	516.00	516.00	516.00	516.00	516.00	516.00	0.00	516.00
16. OPER MBTU	2,178,380	1,654,640	1,233,660	1,233,680	1,179,800	2,203,420	2,462,880	2,454,050	2,070,570	1,529,800	894,380	0	19,095,260
17. NET GEN (MWH)	305,839	232,522	174,201	171,514	162,277	308,263	347,663	346,173	294,078	217,607	124,759	0	2,684,896
18. ANOHR (BTU/KWH)	7,122.6	7,116.1	7,081.8	7,192.9	7,270.3	7,147.9	7,084.1	7,089.1	7,040.9	7,030.1	7,168.9	0.0	7,112.1
19. NOF %	82.56	78.00	67.30	69.05	69.71	87.35	90.56	90.17	86.44	87.95	73.85	0.00	81.71
20. NPC (MW)	516.00	516.00	516.00	516.00	516.00	516.00	516.00	516.00	516.00	516.00	516.00	0.00	516.00

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to November 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 4A	6/9/2022	FMO	76.58	181.0	GAS TURBINE VIBRATION
BCC 4A	6/13/2022	FFO	2.88	181.0	FUEL PIPING AND VALVES
BCC 4A	7/24/2022	FMO	5.08	181.0	FIRE DETECTION AND EXTINGUISHING SYSTEM
BCC 4A	9/1/2022	FFO	6.75	181.0	GAS TURBINE CONTROL SYSTEM - INTERNAL AND TERMINATION WIRING
BCC 4A	9/27/2022	FFO	45.18	181.0	HURRICANE
BCC 4A	9/29/2022	FFO	36.50	181.0	FLASHBACK INCLUDING INSTRUMENTATION
BCC 4A	10/19/2022	FFO	33.93	181.0	DCS - HARDWARE PROBLEMS
BCC 4A	10/23/2022	FFO	1.40	181.0	FLASHBACK INCLUDING INSTRUMENTATION
BCC 4A	10/23/2022	FFO	18.70	181.0	FLASHBACK INCLUDING INSTRUMENTATION
BCC 4A	10/24/2022	FFO	21.08	181.0	FLASHBACK INCLUDING INSTRUMENTATION
BCC 4A	10/28/2022	PO	401.65	181.0	BOROSCOPE INSPECTION
BCC 4A	11/16/2022	FFO	1.38	181.0	IGNITION SYSTEM
BCC 4A	11/22/2022	FMO	4.40	181.0	IGNITION SYSTEM
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 4B	7/17/2022	FMO	23.33	165.0	COOLING AND SEAL AIR SYSTEM
BCC 4B	8/8/2022	FFO	135.65	165.0	GENERATOR VOLTAGE CONTROL
BCC 4B	9/24/2022	FMO	3.33	165.0	FUEL PIPING AND VALVES
BCC 4B	9/27/2022	FFO	38.03	165.0	HURRICANE
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

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to November 2022

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4C	4/28/2022	FMO	62.78	181.0	EXPANSION JOINTS
BCC 4C	6/30/2022	PO	5.53	181.0	GAS FUEL SYSTEM INCLUDING CONTROLS AND INSTRUMENTATION
BCC 4C	8/16/2022	FFO	6.03	181.0	FUEL PIPING AND VALVES
BCC 4C	8/21/2022	FFO	1.02	181.0	BLADE PATH TEMPERATURE SPREAD
BCC 4C	9/11/2022	FFO	1.88	181.0	FUEL PIPING AND VALVES
BCC 4C	9/14/2022	FFO	9.23	181.0	LOW PRESSURE COMPRESSOR BLEED VALVES
BCC 4C	9/27/2022	FFO	44.47	181.0	HURRICANE
BCC 4C	10/3/2022	FFO	27.48	181.0	GENERATOR SYNCHRONIZATION EQUIPMENT
BCC 4C	10/7/2022	FFO	23.25	181.0	FUEL PIPING AND VALVES
BCC 4C	10/13/2022	FFO	21.63	181.0	FUEL PIPING AND VALVES
BCC 4C	10/28/2022	FFO	1.37	181.0	FUEL PIPING AND VALVES
BCC 4C	11/13/2022	PO	372.07	181.0	BOROSCOPE INSPECTION
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 4D	6/24/2022	PO	5.82	183.0	FUEL PIPING AND VALVES
BCC 4D	8/19/2022	FFO	1.60	183.0	OTHER INSTRUMENT AIR PROBLEMS
BCC 4D	9/27/2022	FFO	39.15	183.0	HURRICANE
BCC 4D	11/12/2022	FMO	4.97	183.0	COOLING AND SEAL AIR SYSTEM
BCC 4S	5/10/2022	FMO	118.28	402.0	CROSSOVER OR UNDER PIPING
BCC 4S	7/17/2022	PMO	23.33	76.0	COOLING AND SEAL AIR SYSTEM
BCC 4S	9/27/2022	FFO	114.00	402.0	HURRICANE
BCC 4S	10/20/2022	PPO	195.50	175.0	WATERBOX
BCC 4S	10/29/2022	PO	576.23	402.0	INSPECTION
BCC 4S	11/27/2022	PFO	74.53	175.0	INTERCEPT VALVES
BCC 4S	11/30/2022	FMO	17.18	402.0	INTERCEPT VALVES

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to November 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	125.70	712.0	CIRCULATING WATER CHEMISTRY
6/25/2022	PMO	4.50	522.0	PRIMARY AIR FAN
7/5/2022	PFO	25.00	93.0	PULVERIZER MILLS
7/9/2022	PFO	259.50	122.0	PULVERIZER MOTORS & DRIVES
7/20/2022	PFO	19.00	103.0	PULVERIZER FEEDERS
7/21/2022	PFO	342.37	93.0	TUBE SHEET FOULING
8/4/2022	FMO	231.58	712.0	CONDENSER TUBE LEAKS
8/17/2022	PFO	280.78	2.0	FORCED DRAFT FANS
8/24/2022	PFO	22.00	62.0	OTHER PULVERIZER PROBLEMS
8/29/2022	FMO	183.28	712.0	CIRCULATING WATER PUMPS
9/7/2022	PFO	2.08	403.0	FLUE GAS ADDITIVES (FURNACE INJECTION)
9/15/2022	FMO	42.78	712.0	FEEDWATER PIPING AND SUPPORTS
9/22/2022	FFO	143.90	712.0	AC CONDUCTORS AND BUSES
10/25/2022	PPO	6.00	122.0	COAL CONVEYORS AND FEEDERS
10/25/2022	PFO	35.50	188.0	COAL CONVEYORS AND FEEDERS

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to November 2022

Crystal River 4

Date	Outage Type	Hours	MW Affected	Description
10/26/2022	PPO	6.00	122.0	COAL CONVEYORS AND FEEDERS
10/27/2022	PPO	6.00	122.0	COAL CONVEYORS AND FEEDERS
10/27/2022	PMO	37.00	122.0	MAIN TRANSFORMER
11/1/2022	PPO	6.00	122.0	PULVERIZER FEEDERS
11/2/2022	PPO	6.00	122.0	PULVERIZER FEEDERS
11/3/2022	PPO	6.00	122.0	PULVERIZER FEEDERS
11/15/2022	PMO	4.50	474.0	OTHER FEEDWATER VALVES
11/17/2022	PFO	42.00	112.0	CONDENSATE WATER PRE-TREATMENT
11/21/2022	PFO	3.00	112.0	PULVERIZER MILLS
11/26/2022	PFO	75.00	93.0	PULVERIZER MILLS
11/30/2022	PFO	8.00	474.0	BUNKER FLOW PROBLEMS

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to November 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
6/10/2022	PFO	7.00	78.0	PULVERIZER MILLS
6/15/2022	PFO	1.67	103.0	PRIMARY AIR FLOW INSTRUMENTATION
6/17/2022	PFO	115.50	79.0	CONTROL VALVES
6/25/2022	FFO	12.00	698.0	LIGHTNING
6/26/2022	PFO	71.00	508.0	PRIMARY AIR FAN
7/7/2022	PFO	84.18	518.0	PRIMARY AIR FAN
8/27/2022	FMO	25.28	698.0	OTHER MISCELLANEOUS CONDENSING SYSTEM PROBLEMS
9/15/2022	PFO	7.00	222.0	PRIMARY AIR FLOW INSTRUMENTATION
10/2/2022	PFO	5.42	270.0	CONDENSATE VALVES
10/4/2022	PPO	6.00	108.0	COAL CONVEYORS AND FEEDERS
10/5/2022	PPO	6.00	108.0	COAL CONVEYORS AND FEEDERS

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to November 2022

Crystal River 5

Date	Outage Type	Hours	MW Affected	Description
10/6/2022	PPO	6.00	108.0	COAL CONVEYORS AND FEEDERS
10/11/2022	PPO	6.00	108.0	COAL CONVEYORS AND FEEDERS
10/12/2022	PPO	6.00	108.0	COAL CONVEYORS AND FEEDERS
10/13/2022	PPO	6.00	108.0	COAL CONVEYORS AND FEEDERS
10/21/2022	PPO	180.00	298.0	CONDENSATE/HOTWELL PUMP MOTOR
10/31/2022	PFO	45.00	98.0	CONDENSATE/HOTWELL PUMPS
11/3/2022	PPO	1.00	460.0	EMISSION MONITORS (OTHER THAN CEMS)
11/15/2022	PPO	2.00	460.0	OTHER INDUCED DRAFT FAN PROBLEMS
11/16/2022	PFO	6.00	98.0	INDUCED DRAFT FAN MOTORS AND DRIVES
11/21/2022	PFO	4.00	98.0	MAIN STOP VALVES

Duke Energy Florida

ACTUAL UNIT EVENT DATA - January to November 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 1A	6/4/2022	FMO	134.32	161.0	GAS FUEL SYSTEM INCLUDING CONTROLS AND INSTRUMENTATION
HEP 1A	6/19/2022	FFO	37.20	161.0	LUBE OIL PUMPS
HEP 1A	8/5/2022	PPO	6.00	79.0	TUBE SHEET FOULING
HEP 1A	8/23/2022	PPO	0.98	71.0	CLOSED COOLING WATER SYSTEM FOULING
HEP 1A	9/1/2022	PPO	1.50	80.0	INTAKE GRATING FOULING
HEP 1A	9/28/2022	FFO	74.17	161.0	HURRICANE
HEP 1A	10/4/2022	FFO	34.50	161.0	TURBINE TRIP DEVICES
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 1B	6/11/2022	FMO	127.50	167.0	BOROSCOPE INSPECTION
HEP 1B	6/19/2022	FFO	43.22	167.0	LUBE OIL PUMPS
HEP 1B	8/5/2022	PPO	6.00	85.0	TUBE SHEET FOULING
HEP 1B	8/23/2022	PPO	0.98	77.0	CLOSED COOLING WATER SYSTEM FOULING
HEP 1B	9/1/2022	PPO	1.50	85.0	INTAKE GRATING FOULING
HEP 1B	9/28/2022	FFO	74.17	167.0	HURRICANE
HEP 1B	10/8/2022	FFO	3.92	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

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ACTUAL UNIT EVENT DATA - January to November 2022

Hines Power Block 1

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP ST1	6/4/2022	PMO	134.32	77.0	GAS FUEL SYSTEM INCLUDING CONTROLS AND INSTRUMENTATION
HEP ST1	6/11/2022	PMO	127.50	77.0	BOROSCOPE INSPECTION
HEP ST1	6/19/2022	FFO	39.37	162.0	LUBE OIL PUMPS
HEP ST1	8/5/2022	PPO	6.00	56.0	TUBE SHEET FOULING
HEP ST1	8/23/2022	PPO	0.98	50.0	CLOSED COOLING WATER SYSTEM FOULING
HEP ST1	9/1/2022	PPO	1.50	57.0	INTAKE GRATING FOULING
HEP ST1	9/7/2022	FFO	1.67	162.0	LIGHTNING
HEP ST1	9/28/2022	FFO	74.17	162.0	HURRICANE
HEP ST1	10/4/2022	FFO	34.13	162.0	STEAM TURBINE BEARINGS

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ACTUAL UNIT EVENT DATA - January to November 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 2A	6/18/2022	FFO	5.68	176.0	FLASHBACK INCLUDING INSTRUMENTATION
HEP 2A	7/1/2022	FMO	36.17	176.0	CONTROL VALVES
HEP 2A	7/3/2022	FFO	11.03	176.0	OTHER MISCELLANEOUS STEAM TURBINE PROBLEMS
HEP 2A	7/4/2022	FFO	13.27	176.0	HYDRAULIC SYSTEM PUMPS
HEP 2A	7/24/2022	PPO	1.50	66.0	INTAKE GRATING FOULING
HEP 2A	8/4/2022	PPO	6.00	61.0	TUBE SHEET FOULING
HEP 2A	9/3/2022	PPO	1.50	78.0	INTAKE GRATING FOULING
HEP 2A	9/28/2022	FFO	60.08	176.0	HURRICANE
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 2B	7/1/2022	FMO	38.60	174.0	CONTROL VALVES
HEP 2B	7/3/2022	FMO	11.03	174.0	OTHER FEEDWATER VALVES
HEP 2B	7/4/2022	FFO	6.08	174.0	HYDRAULIC SYSTEM PUMPS
HEP 2B	7/4/2022	FFO	32.82	174.0	IGNITION SYSTEM
HEP 2B	7/24/2022	PPO	1.50	64.0	INTAKE GRATING FOULING
HEP 2B	8/4/2022	PPO	6.00	59.0	TUBE SHEET FOULING
HEP 2B	9/3/2022	PPO	1.50	76.0	INTAKE GRATING FOULING
HEP 2B	9/28/2022	FFO	61.97	174.0	HURRICANE
HEP ST2	3/8/2022	PO	1,433.50	182.0	BOILER INSPECTIONS – SCHEDULED OR ROUTINE
HEP ST2	5/6/2022	PFO	4,997.25	22.0	OTHER LOW PRESSURE TURBINE PROBLEMS
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
HEP ST2	7/1/2022	FMO	38.82	182.0	CONTROL VALVES

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ACTUAL UNIT EVENT DATA - January to November 2022

Hines Power Block 2

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP ST2	7/3/2022	FFO	11.03	182.0	OTHER STACK OR EXHAUST EMISSIONS - GAS TURBINES
HEP ST2	7/4/2022	FFO	21.85	182.0	HYDRAULIC SYSTEM PUMPS
HEP ST2	7/24/2022	PPO	1.50	57.0	INTAKE GRATING FOULING
HEP ST2	8/4/2022	PPO	6.00	56.0	TUBE SHEET FOULING
HEP ST2	9/3/2022	PPO	1.50	61.0	INTAKE GRATING FOULING
HEP ST2	9/28/2022	FFO	61.97	182.0	HURRICANE

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ACTUAL UNIT EVENT DATA - January to November 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 3A	7/2/2022	PPO	8.98	68.0	TUBE SHEET FOULING
HEP 3A	7/28/2022	PPO	1.25	61.0	TUBE SHEET FOULING
HEP 3A	9/7/2022	FFO	0.67	171.0	LIGHTNING
HEP 3A	9/9/2022	FFO	46.50	171.0	STARTUP FEEDWATER PUMP
HEP 3A	9/24/2022	FFO	175.25	171.0	AUTOMATIC TURBINE CONT SYS - DIGITAL CONTROL AND MONITORING
HEP 3A	11/16/2022	FMO	136.83	171.0	IP ECONOMIZER
HEP 3A	11/30/2022	PO	24.00	171.0	BOROSCOPE INSPECTION
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 3B	6/3/2022	FMO	38.95	176.0	LP STEAM ISOLATION/BOUNDARY VALVES
HEP 3B	7/2/2022	PPO	8.98	73.0	TUBE SHEET FOULING
HEP 3B	7/28/2022	PPO	1.25	66.0	TUBE SHEET FOULING
HEP 3B	9/24/2022	FFO	155.58	176.0	AUTOMATIC TURBINE CONT SYS - DIGITAL CONTROL AND MONITORING
HEP 3B	10/1/2022	FFO	32.27	176.0	TURBINE GOVERNING SYSTEM
HEP 3B	11/30/2022	PO	24.00	176.0	BOROSCOPE INSPECTION
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
HEP ST3	6/3/2022	PMO	38.95	86.0	LP STEAM ISOLATION/BOUNDARY VALVES
HEP ST3	7/2/2022	PPO	8.98	44.0	TUBE SHEET FOULING
HEP ST3	7/28/2022	PPO	1.25	41.0	TUBE SHEET FOULING
HEP ST3	9/24/2022	FFO	159.55	176.0	AUTOMATIC TURBINE CONT SYS - DIGITAL CONTROL AND MONITORING
HEP ST3	10/1/2022	FFO	15.33	176.0	TURBINE GOVERNING SYSTEM
HEP ST3	11/30/2022	PO	24.00	176.0	BOROSCOPE INSPECTION

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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 4A	6/6/2022	FFO	9.92	171.0	CIRCULATING WATER PUMPS
HEP 4A	6/30/2022	PPO	8.00	62.0	TUBE SHEET FOULING
HEP 4A	7/23/2022	PPO	1.50	59.0	INTAKE GRATING FOULING
HEP 4A	8/23/2022	PPO	1.50	76.0	INTAKE GRATING FOULING
HEP 4A	9/11/2022	FFO	12.25	171.0	VACUUM PUMP AND AIR EJECTOR CONTROLS
HEP 4A	10/17/2022	PMO	6.25	70.0	TUBE SHEET FOULING
HEP 4A	10/21/2022	PO	634.83	171.0	BALANCE OF PLANT OVERHAUL/OUTAGE
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	640.78	171.0	ATOMIZING AIR SYSTEM
HEP 4B	6/6/2022	FFO	13.25	171.0	CIRCULATING WATER PUMPS
HEP 4B	6/19/2022	FMO	64.58	171.0	FEEDWATER PIPING AND SUPPORTS
HEP 4B	6/30/2022	PPO	8.00	62.0	TUBE SHEET FOULING
HEP 4B	7/23/2022	PPO	1.50	61.0	INTAKE GRATING FOULING
HEP 4B	8/23/2022	PPO	1.50	61.0	INTAKE GRATING FOULING
HEP 4B	9/6/2022	FFO	111.33	171.0	STATION SERVICE POWER DISTRIBUTION SYSTEM, GENERAL
HEP 4B	9/11/2022	FFO	45.60	171.0	REHEAT STEAM PIPING UP TO TURBINE STOP VALVES
HEP 4B	10/17/2022	PMO	6.25	70.0	TUBE SHEET FOULING
HEP 4B	10/21/2022	PO	550.07	171.0	BALANCE OF PLANT OVERHAUL/OUTAGE
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	66.33	79.0	ATOMIZING AIR SYSTEM
HEP ST4	5/5/2022	PFO	640.78	84.0	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
HEP ST4	6/6/2022	FFO	10.92	174.0	CIRCULATING WATER PUMPS
HEP ST4	6/19/2022	PMO	64.58	84.0	FEEDWATER PIPING AND SUPPORTS
HEP ST4	6/30/2022	PPO	8.00	36.0	TUBE SHEET FOULING
HEP ST4	7/23/2022	PPO	1.50	39.0	INTAKE GRATING FOULING
HEP ST4	8/23/2022	PPO	1.50	44.0	INTAKE GRATING FOULING
HEP ST4	9/11/2022	FFO	13.67	174.0	VACUUM PUMP AND AIR EJECTOR CONTROLS

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Hines Power Block 4

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP ST4	10/17/2022	PMO	6.25	37.0	TUBE SHEET FOULING
HEP ST4	10/21/2022	PO	552.00	174.0	BALANCE OF PLANT OVERHAUL/OUTAGE