



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

July 26, 2018

VIA ELECTRONIC FILING

Carlotta Stauffer, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: *Performance Date Report for June 2018*
Docket No. 20180001-EI

Dear Ms. Stauffer:

Attached for electronic filing in the above Docket is Duke Energy Florida, LLC's Performance Data Report for June 2018.

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/cmkn
Attachment

cc: Daniel Lee, Division of Engineering, FPSC

CERTIFICATE OF SERVICE

Docket No. 20180001-EI

I HEREBY CERTIFY that a true copy of Performance Data Report for the month of June 2018 has been furnished to the following individuals via e-mail on this 26th day of July, 2018.

/s/ Matthew R. Bernier

Attorney

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Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2018

| Bartow CC | Jan-18 | Feb-18 | Mar-18 | Apr-18 | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 | Nov-18 | Dec-18 | Jan - Jun Period |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|--------|--------|--------|--------|--------|--------|---------------------|
| 1. EAF | 100.00 | 99.71 | 83.44 | 99.07 | 90.94 | 81.24 | | | | | | | 92.31 |
| 2. PH | 744 | 672 | 743 | 720 | 744 | 720 | | | | | | | 4,343 |
| 3. SH | 723.1 | 576.0 | 617.3 | 699.2 | 660.7 | 586.4 | | | | | | | 3,862.7 |
| 4. RSH | 20.9 | 95.7 | 13.3 | 14.1 | 16.0 | 7.1 | | | | | | | 167.1 |
| 5. UH | 0.0 | 0.3 | 112.4 | 6.7 | 67.4 | 126.4 | | | | | | | 313.2 |
| 6. POH | 0.0 | 0.0 | 111.7 | 0.0 | 0.0 | 0.0 | | | | | | | 111.7 |
| 7. FOH | 0.0 | 0.3 | 0.8 | 6.7 | 67.4 | 126.4 | | | | | | | 201.5 |
| 8. MOH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | 0.0 |
| 9. PPOH | 0.0 | 0.0 | 64.1 | 0.0 | 0.0 | 0.0 | | | | | | | 64.1 |
| 10. LR PP (MW) | 0.0 | 0.0 | 178.5 | 0.0 | 0.0 | 0.0 | | | | | | | 178.5 |
| 11. PFOH | 0.0 | 15.1 | 0.0 | 0.0 | 0.0 | 229.2 | | | | | | | 244.3 |
| 12. LR PF (MW) | 0.0 | 120.0 | 0.0 | 0.0 | 0.0 | 40.8 | | | | | | | 45.7 |
| 13. PMOH | 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 |
| 15. NSC (MW) | 1080 | 1080 | 1080 | 1080 | 1080 | 1080 | | | | | | | 1080 |
| 16. OPER MBTU | 4,808,629 | 3,821,765 | 4,534,493 | 5,087,891 | 4,578,391 | 4,024,793 | | | | | | | 26,855,961 |
| 17. NET GEN (MWH) | 627,889 | 499,274 | 535,332 | 670,047 | 575,313 | 532,174 | | | | | | | 3,440,029 |
| 18. ANOHR (BTU/KWH) | 7,658.4 | 7,654.6 | 8,470.4 | 7,593.3 | 7,958.1 | 7,562.9 | | | | | | | 7,806.9 |
| 19. NOF (%) | 80.40 | 80.26 | 80.30 | 88.73 | 80.63 | 84.03 | | | | | | | 82.46 |
| 20. NPC (MW) | 1080 | 1080 | 1080 | 1080 | 1080 | 1080 | | | | | | | 1080 |

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2018

| CRYSTAL RIVER 4 | Jan-18 | Feb-18 | Mar-18 | Apr-18 | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 | Nov-18 | Dec-18 | Jan - Jun Period |
|---------------------|-----------|-----------|---------|-----------|-----------|-----------|--------|--------|--------|--------|--------|--------|---------------------|
| 1. EAF | 95.73 | 99.52 | 6.43 | 65.82 | 81.03 | 90.51 | | | | | | | 72.70 |
| 2. PH | 744 | 672 | 743 | 720 | 744 | 720 | | | | | | | 4,343 |
| 3. SH | 744.0 | 672.0 | 47.8 | 482.3 | 615.0 | 654.3 | | | | | | | 3,215.4 |
| 4. RSH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | 0.0 |
| 5. UH | 0.0 | 0.0 | 695.2 | 237.7 | 129.0 | 65.8 | | | | | | | 1,127.6 |
| 6. POH | 0.0 | 0.0 | 695.2 | 211.0 | 0.0 | 0.0 | | | | | | | 906.3 |
| 7. FOH | 0.0 | 0.0 | 0.0 | 24.6 | 129.0 | 65.8 | | | | | | | 219.4 |
| 8. MOH | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | | | | | | | 2.0 |
| 9. PPOH | 0.6 | 4.0 | 0.0 | 0.0 | 0.0 | 5.3 | | | | | | | 9.9 |
| 10. LR PP (MW) | 555.0 | 426.0 | 0.0 | 0.0 | 0.0 | 350.2 | | | | | | | 393.3 |
| 11. PFOH | 65.7 | 6.5 | 0.0 | 6.0 | 39.7 | 0.0 | | | | | | | 117.9 |
| 12. LR PF (MW) | 339.0 | 93.0 | 0.0 | 93.0 | 106.8 | 0.0 | | | | | | | 234.8 |
| 13. PMOH | 0.0 | 0.0 | 0.0 | 34.1 | 13.4 | 0.0 | | | | | | | 47.4 |
| 14. LR PM (MW) | 0.0 | 0.0 | 0.0 | 160.0 | 331.0 | 0.0 | | | | | | | 208.2 |
| 15. NSC (MW) | 712 | 712 | 712 | 712 | 712 | 712 | | | | | | | 712 |
| 16. OPER MBTU | 4,015,993 | 3,240,899 | 222,277 | 2,320,777 | 3,054,194 | 3,469,320 | | | | | | | 16,323,459 |
| 17. NET GEN (MWH) | 413,001 | 321,886 | 22,657 | 218,186 | 299,484 | 342,469 | | | | | | | 1,617,683 |
| 18. ANOHR (BTU/KWH) | 9,723.9 | 10,068.5 | 9,810.5 | 10,636.7 | 10,198.2 | 10,130.3 | | | | | | | 10,090.6 |
| 19. NOF (%) | 77.96 | 67.27 | 66.60 | 63.53 | 68.39 | 73.52 | | | | | | | 70.66 |
| 20. NPC (MW) | 712 | 712 | 712 | 712 | 712 | 712 | | | | | | | 712 |

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2018

| CRYSTAL RIVER 5 | Jan-18 | Feb-18 | Mar-18 | Apr-18 | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 | Nov-18 | Dec-18 | Jan - Jun Period |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|--------|--------|--------|--------|--------|--------|---------------------|
| 1. EAF | 97.92 | 97.07 | 97.93 | 49.56 | 79.30 | 99.11 | | | | | | | 86.78 |
| 2. PH | 744 | 672 | 743 | 720 | 744 | 720 | | | | | | | 4,343 |
| 3. SH | 744.0 | 668.0 | 730.3 | 368.4 | 627.7 | 718.3 | | | | | | | 3,856.7 |
| 4. RSH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | 0.0 |
| 5. UH | 0.0 | 4.0 | 12.7 | 351.6 | 116.3 | 1.8 | | | | | | | 486.3 |
| 6. POH | 0.0 | 0.0 | 0.0 | 351.6 | 0.0 | 0.0 | | | | | | | 351.6 |
| 7. FOH | 0.0 | 0.0 | 12.7 | 0.0 | 116.3 | 0.0 | | | | | | | 129.0 |
| 8. MOH | 0.0 | 4.0 | 0.0 | 0.0 | 0.0 | 1.8 | | | | | | | 5.8 |
| 9. PPOH | 2.0 | 0.0 | 0.0 | 90.1 | 279.5 | 9.9 | | | | | | | 381.5 |
| 10. LR PP (MW) | 91.0 | 0.0 | 0.0 | 91.0 | 90.5 | 91.0 | | | | | | | 90.6 |
| 11. PFOH | 36.5 | 0.0 | 5.0 | 0.0 | 3.0 | 2.8 | | | | | | | 47.3 |
| 12. LR PF (MW) | 296.0 | 0.0 | 377.0 | 0.0 | 496.0 | 90.8 | | | | | | | 305.0 |
| 13. PMOH | 0.0 | 22.5 | 0.0 | 0.0 | 0.0 | 23.8 | | | | | | | 46.3 |
| 14. LR PM (MW) | 0.0 | 496.0 | 0.0 | 0.0 | 0.0 | 91.0 | | | | | | | 287.7 |
| 15. NSC (MW) | 710 | 710 | 710 | 710 | 710 | 710 | | | | | | | 710 |
| 16. OPER MBTU | 4,144,476 | 3,158,789 | 3,800,740 | 1,868,760 | 2,793,588 | 3,835,936 | | | | | | | 19,602,288 |
| 17. NET GEN (MWH) | 429,919 | 314,067 | 386,624 | 173,240 | 262,152 | 378,749 | | | | | | | 1,944,751 |
| 18. ANOHR (BTU/KWH) | 9,640.1 | 10,057.7 | 9,830.6 | 10,787.1 | 10,656.4 | 10,127.9 | | | | | | | 10,079.6 |
| 19. NOF (%) | 81.39 | 66.22 | 74.56 | 66.23 | 58.82 | 74.27 | | | | | | | 71.02 |
| 20. NPC (MW) | 710 | 710 | 710 | 710 | 710 | 710 | | | | | | | 710 |

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2018

| HINES Power Block 1 | Jan-18 | Feb-18 | Mar-18 | Apr-18 | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 | Nov-18 | Dec-18 | Jan - Jun Period |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|--------|--------|--------|--------|--------|--------|---------------------|
| 1. EAF | 98.04 | 99.99 | 48.88 | 68.76 | 96.33 | 95.08 | | | | | | | 84.29 |
| 2. PH | 744 | 672 | 743 | 720 | 744 | 720 | | | | | | | 4,343 |
| 3. SH | 714.5 | 672.0 | 363.7 | 495.0 | 704.7 | 685.2 | | | | | | | 3,635.1 |
| 4. RSH | 16.7 | 0.0 | 0.1 | 0.0 | 16.0 | 0.0 | | | | | | | 32.7 |
| 5. UH | 12.9 | 0.0 | 379.3 | 224.9 | 23.3 | 34.8 | | | | | | | 675.2 |
| 6. POH | 0.0 | 0.0 | 359.9 | 224.9 | 0.0 | 0.0 | | | | | | | 584.8 |
| 7. FOH | 12.9 | 0.0 | 19.4 | 0.0 | 10.8 | 34.8 | | | | | | | 77.9 |
| 8. MOH | 0.0 | 0.0 | 0.0 | 0.0 | 12.5 | 0.0 | | | | | | | 12.5 |
| 9. PPOH | 0.0 | 0.8 | 0.0 | 0.0 | 6.0 | 0.0 | | | | | | | 6.8 |
| 10. LR PP (MW) | 0.0 | 50.6 | 0.0 | 0.0 | 77.9 | 0.0 | | | | | | | 74.8 |
| 11. PFOH | 12.4 | 0.0 | 3.6 | 0.0 | 10.4 | 4.3 | | | | | | | 30.7 |
| 12. LR PF (MW) | 69.8 | 0.0 | 76.6 | 0.0 | 67.6 | 69.1 | | | | | | | 69.7 |
| 13. PMOH | 0.0 | 0.0 | 0.0 | 0.0 | 11.9 | 0.0 | | | | | | | 11.9 |
| 14. LR PM (MW) | 0.0 | 0.0 | 0.0 | 0.0 | 67.6 | 0.0 | | | | | | | 67.6 |
| 15. NSC (MW) | 495 | 495 | 495 | 495 | 495 | 495 | | | | | | | 495 |
| 16. OPER MBTU | 2,318,447 | 2,219,815 | 1,223,092 | 1,644,308 | 2,242,655 | 2,321,872 | | | | | | | 11,970,189 |
| 17. NET GEN (MWH) | 321,975 | 304,049 | 166,322 | 225,245 | 306,258 | 314,667 | | | | | | | 1,638,516 |
| 18. ANOHR (BTU/KWH) | 7,200.7 | 7,300.8 | 7,353.8 | 7,300.1 | 7,322.8 | 7,378.8 | | | | | | | 7,305.5 |
| 19. NOF (%) | 91.04 | 91.40 | 92.39 | 91.92 | 87.80 | 92.78 | | | | | | | 91.06 |
| 20. NPC (MW) | 495 | 495 | 495 | 495 | 495 | 495 | | | | | | | 495 |

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2018

| HINES Power Block 2 | Jan-18 | Feb-18 | Mar-18 | Apr-18 | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 | Nov-18 | Dec-18 | Jan - Jun Period |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|--------|--------|--------|--------|--------|--------|---------------------|
| 1. EAF | 100.00 | 99.39 | 90.43 | 43.47 | 94.38 | 99.97 | | | | | | | 87.93 |
| 2. PH | 744 | 672 | 743 | 720 | 744 | 720 | | | | | | | 4,343 |
| 3. SH | 693.3 | 464.5 | 669.7 | 313.0 | 703.7 | 720.0 | | | | | | | 3,564.2 |
| 4. RSH | 50.7 | 204.0 | 2.2 | 0.0 | 0.6 | 0.0 | | | | | | | 257.5 |
| 5. UH | 0.0 | 3.5 | 71.1 | 407.0 | 39.7 | 0.0 | | | | | | | 521.3 |
| 6. POH | 0.0 | 0.0 | 0.0 | 407.0 | 33.7 | 0.0 | | | | | | | 440.7 |
| 7. FOH | 0.0 | 3.5 | 71.1 | 0.0 | 6.0 | 0.0 | | | | | | | 80.6 |
| 8. MOH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | 0.0 |
| 9. PPOH | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 1.8 | | | | | | | 10.2 |
| 10. LR PP (MW) | 0.0 | 0.0 | 0.0 | 0.0 | 63.9 | 65.4 | | | | | | | 64.2 |
| 11. PFOH | 0.0 | 3.4 | 0.0 | 0.0 | 6.2 | 0.0 | | | | | | | 9.6 |
| 12. LR PF (MW) | 0.0 | 92.3 | 0.0 | 0.0 | 91.0 | 0.0 | | | | | | | 91.4 |
| 13. PMOH | 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 |
| 15. NSC (MW) | 527 | 527 | 527 | 527 | 527 | 527 | | | | | | | 527 |
| 16. OPER MBTU | 2,282,848 | 1,421,231 | 2,365,022 | 1,097,825 | 2,362,778 | 2,544,480 | | | | | | | 12,074,183 |
| 17. NET GEN (MWH) | 314,763 | 201,941 | 323,728 | 148,433 | 318,884 | 340,617 | | | | | | | 1,648,366 |
| 18. ANOHR (BTU/KWH) | 7,252.6 | 7,037.9 | 7,305.6 | 7,396.1 | 7,409.5 | 7,470.2 | | | | | | | 7,324.9 |
| 19. NOF (%) | 86.15 | 82.49 | 91.73 | 89.99 | 85.98 | 89.77 | | | | | | | 87.76 |
| 20. NPC (MW) | 527 | 527 | 527 | 527 | 527 | 527 | | | | | | | 527 |

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2018

| HINES Power Block 3 | Jan-18 | Feb-18 | Mar-18 | Apr-18 | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 | Nov-18 | Dec-18 | Jan - Jun Period |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|--------|--------|--------|--------|--------|--------|---------------------|
| 1. EAF | 99.51 | 99.62 | 98.60 | 97.89 | 96.11 | 99.90 | | | | | | | 98.59 |
| 2. PH | 744 | 672 | 743 | 720 | 744 | 720 | | | | | | | 4,343 |
| 3. SH | 478.3 | 413.2 | 598.2 | 705.8 | 710.6 | 720.0 | | | | | | | 3,626.1 |
| 4. RSH | 262.5 | 256.5 | 135.9 | 1.4 | 11.6 | 0.0 | | | | | | | 667.8 |
| 5. UH | 3.2 | 2.3 | 9.0 | 12.8 | 21.9 | 0.0 | | | | | | | 49.1 |
| 6. POH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | 0.0 |
| 7. FOH | 3.2 | 2.3 | 0.8 | 0.0 | 0.0 | 0.0 | | | | | | | 6.3 |
| 8. MOH | 0.0 | 0.0 | 8.1 | 12.8 | 21.9 | 0.0 | | | | | | | 42.8 |
| 9. PPOH | 0.0 | 1.0 | 0.0 | 5.0 | 8.4 | 8.0 | | | | | | | 22.4 |
| 10. LR PP (MW) | 0.0 | 59.1 | 0.0 | 41.8 | 42.1 | 47.8 | | | | | | | 44.9 |
| 11. PFOH | 2.9 | 1.1 | 1.0 | 0.0 | 39.4 | 0.0 | | | | | | | 44.4 |
| 12. LR PF (MW) | 81.0 | 81.0 | 81.3 | 0.0 | 64.7 | 0.0 | | | | | | | 66.6 |
| 13. PMOH | 0.0 | 0.0 | 7.9 | 12.5 | 9.1 | 0.0 | | | | | | | 29.5 |
| 14. LR PM (MW) | 0.0 | 0.0 | 83.0 | 81.7 | 84.0 | 0.0 | | | | | | | 82.7 |
| 15. NSC (MW) | 521 | 521 | 521 | 521 | 521 | 521 | | | | | | | 521 |
| 16. OPER MBTU | 1,547,605 | 1,321,596 | 1,931,761 | 2,329,506 | 2,328,108 | 2,402,780 | | | | | | | 11,861,357 |
| 17. NET GEN (MWH) | 207,822 | 179,431 | 273,608 | 325,098 | 327,585 | 341,385 | | | | | | | 1,654,929 |
| 18. ANOHR (BTU/KWH) | 7,446.8 | 7,365.5 | 7,060.3 | 7,165.6 | 7,106.9 | 7,038.3 | | | | | | | 7,167.3 |
| 19. NOF (%) | 83.40 | 83.34 | 87.79 | 88.41 | 88.49 | 91.01 | | | | | | | 87.60 |
| 20. NPC (MW) | 521 | 521 | 521 | 521 | 521 | 521 | | | | | | | 521 |

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2018

| HINES Power Block 4 | Jan-18 | Feb-18 | Mar-18 | Apr-18 | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 | Nov-18 | Dec-18 | Jan - Jun Period |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|--------|--------|--------|--------|--------|--------|---------------------|
| 1. EAF | 98.03 | 99.97 | 99.99 | 97.21 | 99.74 | 99.51 | | | | | | | 99.07 |
| 2. PH | 744 | 672 | 743 | 720 | 744 | 720 | | | | | | | 4,343 |
| 3. SH | 574.2 | 630.0 | 743.0 | 697.7 | 744.0 | 719.0 | | | | | | | 4,108.0 |
| 4. RSH | 156.8 | 42.0 | 0.0 | 4.8 | 0.0 | 0.0 | | | | | | | 203.5 |
| 5. UH | 13.0 | 0.0 | 0.0 | 17.5 | 0.0 | 1.0 | | | | | | | 31.5 |
| 6. POH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | 0.0 |
| 7. FOH | 13.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | | | | | | | 14.0 |
| 8. MOH | 0.0 | 0.0 | 0.0 | 17.5 | 0.0 | 0.0 | | | | | | | 17.5 |
| 9. PPOH | 0.5 | 2.1 | 1.0 | 0.0 | 16.1 | 21.0 | | | | | | | 40.6 |
| 10. LR PP (MW) | 50.1 | 50.9 | 47.7 | 0.0 | 58.1 | 55.8 | | | | | | | 56.2 |
| 11. PFOH | 12.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.0 | | | | | | | 13.5 |
| 12. LR PF (MW) | 69.2 | 0.0 | 0.0 | 0.0 | 54.3 | 76.2 | | | | | | | 69.0 |
| 13. PMOH | 0.0 | 0.0 | 0.0 | 16.5 | 0.0 | 0.0 | | | | | | | 16.5 |
| 14. LR PM (MW) | 0.0 | 0.0 | 0.0 | 78.1 | 0.0 | 0.0 | | | | | | | 78.1 |
| 15. NSC (MW) | 504 | 504 | 504 | 504 | 504 | 504 | | | | | | | 504 |
| 16. OPER MBTU | 1,859,462 | 1,997,841 | 2,490,044 | 2,248,954 | 2,465,014 | 2,421,836 | | | | | | | 13,483,150 |
| 17. NET GEN (MWH) | 268,522 | 289,609 | 367,086 | 320,318 | 349,474 | 344,155 | | | | | | | 1,939,164 |
| 18. ANOHR (BTU/KWH) | 6,924.8 | 6,898.4 | 6,783.3 | 7,021.0 | 7,053.5 | 7,037.1 | | | | | | | 6,953.1 |
| 19. NOF (%) | 92.78 | 91.21 | 98.03 | 91.09 | 93.20 | 94.98 | | | | | | | 93.66 |
| 20. NPC (MW) | 504 | 504 | 504 | 504 | 504 | 504 | | | | | | | 504 |

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - June 2018

Bartow CC

| Unit | Date | Outage Type | Hours | MW Affected | Description |
|--------|-----------|-------------|--------|-------------|--|
| BCC 4A | 2/2/2018 | FFO | 1.47 | 185.0 | OTHER GAS TURBINE PROBLEMS |
| BCC 4A | 3/10/2018 | PO | 191.00 | 185.0 | GAS TURBINE - BOROSCOPE INSPECTION |
| BCC 4B | 3/17/2018 | PO | 13.33 | 183.0 | OTHER GAS TURBINE PROBLEMS |
| BCC 4B | 3/18/2018 | FFO | 1.73 | 183.0 | BLADE PATH TEMPERATURE SPREAD |
| BCC 4B | 3/18/2018 | FFO | 2.85 | 183.0 | BLADE PATH TEMPERATURE SPREAD |
| BCC 4C | 5/20/2018 | FFO | 990.80 | 187.0 | GEN. STATOR WINDINGS; BUSHINGS; AND TERMINALS |
| BCC 4D | 6/28/2018 | FFO | 10.30 | 186.0 | GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS |
| BCC 4S | 2/7/2018 | PFO | 19.53 | 120.0 | FEEDWATER CHEMISTRY |
| BCC 4S | 2/9/2018 | PFO | 28.55 | 120.0 | FEEDWATER CHEMISTRY |
| BCC 4S | 3/10/2018 | PPO | 191.00 | 191.0 | GAS TURBINE - BOROSCOPE INSPECTION |
| BCC 4S | 3/17/2018 | PPO | 13.33 | 0.0 | OTHER GAS TURBINE PROBLEMS |
| BCC 4S | 3/18/2018 | PO | 244.28 | 339.0 | CIRCULATING WATER CHEMISTRY |
| BCC 4S | 4/30/2018 | FFO | 86.50 | 339.0 | OTHER MAIN STEAM VALVES (INCLUDING VENT AND DRAIN. |
| BCC 4S | 6/1/2018 | PFO | 719.98 | 40.5 | GEN. STATOR WINDINGS; BUSHINGS; AND TERMINALS |
| BCC 4S | 6/28/2018 | PFO | 10.30 | 63.5 | GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS |

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - June 2018

Crystal River 4

| Date | Outage Type | Hours | MW Affected | Description |
|-----------|-------------|--------|-------------|--|
| 1/3/2018 | PFO | 15.17 | 93.0 | CONDENSER TUBE LEAKS |
| 1/4/2018 | PFO | 3.07 | 235.9 | CONDENSER TUBE LEAKS |
| 1/4/2018 | PFO | 1.23 | 474.1 | CONDENSER TUBE LEAKS |
| 1/4/2018 | PFO | 8.98 | 498.0 | CONDENSER TUBE LEAKS |
| 1/4/2018 | PFO | 1.48 | 403.3 | OTHER WET SCRUBBER PROBLEMS |
| 1/7/2018 | PFO | 6.00 | 284.0 | CONDENSER TUBE LEAKS |
| 1/7/2018 | PFO | 26.98 | 474.0 | CONDENSER TUBE LEAKS |
| 1/18/2018 | PFO | 2.83 | 1.0 | OTHER MISC. OPERATIONAL ENVIRONMENTAL LIMITS-FOSSI |
| 1/29/2018 | PPO | 0.60 | 555.4 | GENERATOR - OTHER COOLING SYSTEM PROBLEMS |
| 2/7/2018 | PFO | 6.48 | 93.0 | AIR SUPPLY DAMPERS |
| 2/27/2018 | PPO | 4.00 | 426.0 | FORCED DRAFT FANS |
| 3/2/2018 | PO | 906.25 | 712.0 | MINOR BOILER OVERHAUL (LESS THAN 720 HOURS) |
| 4/10/2018 | FFO | 9.50 | 712.0 | FEEDWATER CONTROLS |
| 4/10/2018 | FFO | 1.15 | 712.0 | FEEDWATER CONTROLS |
| 4/11/2018 | FFO | 13.98 | 712.0 | CONTROLS AND INSTRUMENTATION |
| 4/12/2018 | PMO | 8.63 | 188.0 | PULVERIZER MILLS |
| 4/12/2018 | PMO | 10.48 | 93.0 | PULVERIZER MILLS |
| 4/13/2018 | PMO | 7.30 | 93.0 | PRIMARY AIR DUCTS AND DAMPERS |
| 4/16/2018 | PFO | 1.37 | 93.2 | PULVERIZER MOTORS AND DRIVES |
| 4/17/2018 | PMO | 7.67 | 284.0 | CIRCULATING WATER PIPING |
| 4/18/2018 | PFO | 4.58 | 93.1 | PRIMARY AIR DUCTS AND DAMPERS |
| 4/29/2018 | FMO | 2.00 | 712.0 | GENERATOR LIQUID COOLING SYSTEM |
| 5/2/2018 | PFO | 8.00 | 141.0 | HEATER DRAIN VALVES |
| 5/4/2018 | FFO | 129.00 | 712.0 | SECOND SUPERHEATER LEAKS |
| 5/9/2018 | PFO | 6.00 | 93.0 | PULVERIZER MILLS |
| 5/9/2018 | PFO | 1.98 | 212.2 | COAL CONVEYERS AND FEEDERS |
| 5/16/2018 | PFO | 21.12 | 93.0 | PULVERIZER MILLS |

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - June 2018

Crystal River 4

| Date | Outage Type | Hours | MW Affected | Description |
|-------------|--------------------|--------------|--------------------|---|
| 5/29/2018 | PFO | 2.62 | 65.0 | PULVERIZED FUEL AND AIR PIPING (PULVERIZER TO WIND BOX) |
| 5/30/2018 | PMO | 10.58 | 331.0 | CONDENSATE/HOTWELL PUMP MOTOR |
| 5/31/2018 | PMO | 2.77 | 330.9 | CONDENSATE/HOTWELL PUMP MOTOR |
| 6/7/2018 | FFO | 63.50 | 712.0 | EXTERNAL SUPERHEATER LINK TUBING LEAKS |
| 6/10/2018 | FFO | 2.25 | 712.0 | BOILER; MISCELLANEOUS |
| 6/23/2018 | PPO | 5.28 | 350.0 | CONDENSATE/HOTWELL PUMP MOTOR |

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - June 2018

Crystal River 5

| Date | Outage Type | Hours | MW Affected | Description |
|-------------|--------------------|--------------|--------------------|--|
| 1/1/2018 | PFO | 3.17 | 423.9 | OTHER BOILER CONTROL AND INSTRUMENTATION PROBLEMS |
| 1/1/2018 | PFO | 2.13 | 186.1 | OTHER BOILER CONTROL AND INSTRUMENTATION PROBLEMS |
| 1/4/2018 | PFO | 10.92 | 234.0 | OTHER WET SCRUBBER PROBLEMS |
| 1/6/2018 | PFO | 1.40 | 124.8 | CONDENSER TUBE LEAKS |
| 1/7/2018 | PFO | 6.00 | 44.0 | CONDENSER TUBE LEAKS |
| 1/9/2018 | PFO | 12.83 | 472.0 | CONDENSER TUBE LEAKS |
| 1/31/2018 | PPO | 2.00 | 90.9 | PULVERIZER LUBE OIL SYSTEM |
| 2/1/2018 | FMO | 4.00 | 710.0 | BURNERS |
| 2/24/2018 | PMO | 22.50 | 496.0 | WET SCRUBBER - RECYCLE (LIQUID) PUMPS |
| 3/3/2018 | PFO | 5.00 | 377.0 | COAL CONVEYERS AND FEEDERS |
| 3/27/2018 | FFO | 12.70 | 710.0 | GENERATOR LIQUID COOLING SYSTEM |
| 4/12/2018 | PO | 351.60 | 710.0 | BOILER; MISCELLANEOUS |
| 4/27/2018 | PPO | 364.60 | 91.0 | PULVERIZER MILLS |
| 5/16/2018 | PFO | 3.00 | 496.1 | WET SCRUBBER/ABSORBER TOWER OR MODULE |
| 5/22/2018 | FFO | 58.98 | 710.0 | OTHER PULVERIZER PROBLEMS |
| 5/25/2018 | FFO | 56.10 | 710.0 | FURNACE WALL LEAKS |
| 5/27/2018 | FFO | 1.20 | 710.0 | BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY) |
| 5/31/2018 | PPO | 5.00 | 63.0 | BURNERS |
| 6/2/2018 | PFO | 0.67 | 90.5 | COAL CONVEYERS AND FEEDERS |
| 6/5/2018 | PFO | 2.17 | 91.1 | PULVERIZER MILLS |
| 6/11/2018 | PMO | 23.83 | 91.0 | PULVERIZER MILLS |
| 6/14/2018 | PPO | 4.95 | 90.9 | PULVERIZER MILLS |
| 6/28/2018 | PPO | 4.95 | 90.9 | PULVERIZER MILLS |
| 6/30/2018 | FMO | 1.75 | 710.0 | GENERATOR LIQUID COOLING SYSTEM |

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - June 2018

Hines Power Block 1

| Unit | Date | Outage Type | Hours | MW Affected | Description |
|---------|-----------|-------------|--------|-------------|---|
| HEP 1A | 1/4/2018 | FFO | 2.40 | 164.7 | COMBINED CYCLE INSTRUMENTS AND CONTROLS |
| HEP 1A | 1/29/2018 | FFO | 35.18 | 164.7 | GENERATOR CURRENT AND POTENTIAL TRANSFORMERS |
| HEP 1A | 2/22/2018 | PPO | 0.75 | 54.7 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 1A | 3/13/2018 | FFO | 28.23 | 164.7 | OTHER HYDROGEN SYSTEM PROBLEMS |
| HEP 1A | 3/17/2018 | PO | 583.52 | 164.7 | GENERAL GAS TURBINE UNIT INSPECTION |
| HEP 1A | 5/17/2018 | PPO | 6.00 | 79.7 | CONDENSER HOT WELL |
| HEP 1A | 5/18/2018 | FMO | 17.52 | 164.7 | GAS TURBINE - EXHAUST SYSTEM VANES/NOZZLES |
| HEP 1A | 5/21/2018 | FFO | 14.42 | 164.7 | GAS TURBINE - FUEL PIPING AND VALVES |
| HEP 1A | 6/1/2018 | FFO | 20.20 | 164.7 | TURBINE LUBE OIL PUMPS |
| HEP 1A | 6/2/2018 | FFO | 3.28 | 164.7 | OTHER FEEDWATER SYSTEM PROBLEMS |
| HEP 1A | 6/2/2018 | FFO | 0.15 | 164.7 | OTHER FEEDWATER SYSTEM PROBLEMS |
| HEP 1B | 1/27/2018 | FFO | 1.00 | 170.7 | GAS TURBINE - COOLING AND SEAL AIR SYSTEM |
| HEP 1B | 2/22/2018 | PPO | 0.75 | 60.8 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 1B | 3/13/2018 | FFO | 12.88 | 170.7 | OTHER HYDROGEN SYSTEM PROBLEMS |
| HEP 1B | 3/17/2018 | PO | 584.05 | 170.7 | GENERAL GAS TURBINE UNIT INSPECTION |
| HEP 1B | 5/17/2018 | PPO | 6.00 | 85.7 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 1B | 5/29/2018 | FMO | 19.27 | 170.7 | OTHER GAS TURBINE PROBLEMS |
| HEP 1B | 5/31/2018 | FFO | 45.58 | 170.7 | OTHER EXCITER PROBLEMS |
| HEP 1B | 6/2/2018 | FFO | 18.83 | 170.7 | OTHER FEEDWATER SYSTEM PROBLEMS |
| HEP ST1 | 1/4/2018 | PFO | 2.40 | 69.6 | COMBINED CYCLE INSTRUMENTS AND CONTROLS |
| HEP ST1 | 1/27/2018 | PFO | 1.00 | 75.7 | GAS TURBINE - COOLING AND SEAL AIR SYSTEM |
| HEP ST1 | 1/29/2018 | PFO | 35.18 | 69.6 | GENERATOR CURRENT AND POTENTIAL TRANSFORMERS |
| HEP ST1 | 2/22/2018 | PPO | 0.75 | 35.5 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST1 | 3/13/2018 | FFO | 17.20 | 159.6 | OTHER HYDROGEN SYSTEM PROBLEMS |
| HEP ST1 | 3/14/2018 | PFO | 11.03 | 76.6 | GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS |
| HEP ST1 | 3/17/2018 | PO | 586.98 | 159.6 | INSPECTION |
| HEP ST1 | 5/17/2018 | PPO | 6.00 | 67.6 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - June 2018

Hines Power Block 1

| Unit | Date | Outage Type | Hours | MW Affected | Description |
|-------------|-------------|--------------------|--------------|--------------------|--|
| HEP ST1 | 5/18/2018 | PMO | 17.52 | 67.6 | GAS TURBINE - EXHAUST SYSTEM VANES/NOZZLES |
| HEP ST1 | 5/21/2018 | PFO | 14.67 | 67.6 | GAS TURBINE - FUEL PIPING AND VALVES |
| HEP ST1 | 5/29/2018 | PMO | 19.27 | 67.6 | OTHER GAS TURBINE PROBLEMS |
| HEP ST1 | 5/31/2018 | PFO | 18.00 | 67.6 | OTHER EXCITER PROBLEMS |
| HEP ST1 | 6/1/2018 | FFO | 24.30 | 159.6 | TURBINE LUBE OIL PUMPS |
| HEP ST1 | 6/2/2018 | PFO | 3.28 | 67.6 | OTHER EXCITER PROBLEMS |
| HEP ST1 | 6/2/2018 | FFO | 5.18 | 159.6 | OTHER HIGH PRESSURE TURBINE PROBLEMS |
| HEP ST1 | 6/2/2018 | FFO | 1.37 | 159.6 | OTHER HIGH PRESSURE TURBINE PROBLEMS |
| HEP ST1 | 6/2/2018 | FFO | 2.58 | 159.6 | OTHER HIGH PRESSURE TURBINE PROBLEMS |
| HEP ST1 | 6/2/2018 | PFO | 9.63 | 69.6 | OTHER MISC. OPERATIONAL ENVIRONMENTAL LIMITS - GAS |

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - June 2018

Hines Power Block 2

| Unit | Date | Outage Type | Hours | MW Affected | Description |
|---------|-----------|-------------|--------|-------------|---|
| HEP 2A | 3/23/2018 | FFO | 71.60 | 171.2 | OTHER COMBINED CYCLE PROBLEMS |
| HEP 2A | 4/14/2018 | PO | 430.82 | 171.2 | GENERAL GAS TURBINE UNIT INSPECTION |
| HEP 2A | 5/8/2018 | PPO | 1.00 | 56.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2A | 5/11/2018 | PPO | 1.50 | 61.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2A | 5/14/2018 | PPO | 0.58 | 66.4 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2A | 5/16/2018 | PPO | 2.00 | 71.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2A | 5/21/2018 | PPO | 1.08 | 71.3 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2A | 5/21/2018 | PPO | 1.00 | 61.1 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2A | 5/25/2018 | PPO | 1.00 | 76.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2A | 6/25/2018 | PPO | 1.75 | 71.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2B | 2/21/2018 | FFO | 10.22 | 179.5 | GAS TURBINE VIBRATION |
| HEP 2B | 3/23/2018 | FFO | 69.07 | 179.5 | OTHER COMBINED CYCLE PROBLEMS |
| HEP 2B | 3/26/2018 | FFO | 0.58 | 179.5 | FEEDWATER REGULATING (BOILER LEVEL CONTROL) VALVE |
| HEP 2B | 4/14/2018 | PO | 457.00 | 179.5 | GENERAL GAS TURBINE UNIT INSPECTION |
| HEP 2B | 5/3/2018 | FFO | 16.77 | 179.5 | GAS TURBINE - FUEL PIPING AND VALVES |
| HEP 2B | 5/8/2018 | PPO | 1.00 | 64.4 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2B | 5/11/2018 | PPO | 1.50 | 69.5 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2B | 5/14/2018 | FFO | 0.90 | 179.5 | LIQUID FUEL PURGE SYSTEM |
| HEP 2B | 5/14/2018 | PPO | 0.58 | 74.5 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2B | 5/16/2018 | PPO | 2.00 | 79.4 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2B | 5/21/2018 | PPO | 1.08 | 79.5 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2B | 5/21/2018 | PPO | 1.00 | 69.4 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2B | 5/25/2018 | PPO | 1.00 | 84.5 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 2B | 6/25/2018 | PPO | 1.75 | 79.5 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST2 | 2/21/2018 | PFO | 10.22 | 92.3 | GAS TURBINE VIBRATION |
| HEP ST2 | 3/23/2018 | FFO | 72.10 | 176.4 | OTHER COMBINED CYCLE PROBLEMS |
| HEP ST2 | 4/14/2018 | PO | 433.57 | 176.4 | INSPECTION |

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - June 2018

Hines Power Block 2

| Unit | Date | Outage Type | Hours | MW Affected | Description |
|-------------|-------------|--------------------|--------------|--------------------|---------------------------------------|
| HEP ST2 | 5/3/2018 | PFO | 17.62 | 91.4 | GAS TURBINE - FUEL PIPING AND VALVES |
| HEP ST2 | 5/8/2018 | PPO | 1.00 | 46.4 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST2 | 5/11/2018 | PPO | 1.50 | 43.4 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST2 | 5/14/2018 | PFO | 0.90 | 84.3 | LIQUID FUEL PURGE SYSTEM |
| HEP ST2 | 5/14/2018 | PPO | 0.58 | 71.4 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST2 | 5/16/2018 | PPO | 2.00 | 51.3 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST2 | 5/21/2018 | PPO | 1.08 | 56.3 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST2 | 5/21/2018 | PPO | 2.00 | 58.4 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST2 | 5/25/2018 | PPO | 1.00 | 39.3 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST2 | 6/25/2018 | PPO | 1.75 | 45.3 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - June 2018

Hines Power Block 3

| Unit | Date | Outage Type | Hours | MW Affected | Description |
|---------|-----------|-------------|-------|-------------|--|
| HEP 3A | 2/22/2018 | PPO | 1.00 | 65.1 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3A | 2/27/2018 | FFO | 3.38 | 175.0 | GAS TURBINE CONTROL SYSTEM - HARDWARE PROBLEM |
| HEP 3A | 3/5/2018 | FFO | 1.03 | 175.0 | GAS TURBINE COMPRESSOR - BLEED VALVES |
| HEP 3A | 4/16/2018 | PPO | 5.00 | 51.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3A | 4/22/2018 | FMO | 25.27 | 175.0 | GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS |
| HEP 3A | 5/8/2018 | PPO | 1.00 | 55.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3A | 5/21/2018 | PPO | 6.23 | 38.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3A | 5/23/2018 | PPO | 0.53 | 55.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3A | 5/24/2018 | PFO | 52.00 | 49.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3A | 6/30/2018 | PPO | 8.00 | 56.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3B | 1/5/2018 | FFO | 8.97 | 175.0 | GAS TURBINE COMPRESSOR - BLEED VALVES |
| HEP 3B | 1/13/2018 | FFO | 0.50 | 175.0 | BLADE PATH TEMPERATURE SPREAD |
| HEP 3B | 2/10/2018 | FFO | 0.17 | 175.0 | GAS TURBINE - HIGH ENGINE EXHAUST TEMPERATURE |
| HEP 3B | 2/10/2018 | FFO | 3.25 | 175.0 | HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS |
| HEP 3B | 2/22/2018 | PPO | 1.00 | 65.1 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3B | 3/5/2018 | FFO | 0.75 | 175.0 | HP DRUM |
| HEP 3B | 3/30/2018 | FMO | 24.15 | 175.0 | HEAT RECOVERY STEAM GENERATOR TO GAS TURBINE CON.. |
| HEP 3B | 4/1/2018 | FMO | 12.83 | 175.0 | HEAT RECOVERY STEAM GENERATOR TO GAS TURBINE CON.. |
| HEP 3B | 4/16/2018 | PPO | 5.00 | 51.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3B | 5/8/2018 | PPO | 1.00 | 55.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3B | 5/21/2018 | PPO | 6.23 | 59.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3B | 5/21/2018 | PPO | 1.00 | 67.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3B | 5/23/2018 | PPO | 0.53 | 55.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3B | 5/24/2018 | PFO | 14.50 | 60.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3B | 5/25/2018 | FMO | 65.15 | 175.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 3B | 6/30/2018 | PPO | 8.00 | 59.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST3 | 1/5/2018 | PFO | 8.97 | 81.0 | GAS TURBINE COMPRESSOR - BLEED VALVES |

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - June 2018

Hines Power Block 3

| Unit | Date | Outage Type | Hours | MW Affected | Description |
|---------|-----------|-------------|-------|-------------|--|
| HEP ST3 | 2/22/2018 | PPO | 1.00 | 47.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST3 | 2/27/2018 | PFO | 3.38 | 81.0 | GAS TURBINE CONTROL SYSTEM - HARDWARE PROBLEM |
| HEP ST3 | 3/5/2018 | FFO | 0.75 | 171.0 | HP DRUM |
| HEP ST3 | 3/5/2018 | PFO | 3.00 | 81.0 | COMBINED CYCLE INSTRUMENTS AND CONTROLS |
| HEP ST3 | 3/30/2018 | PMO | 24.17 | 83.0 | HEAT RECOVERY STEAM GENERATOR TO GAS TURBINE CON.. |
| HEP ST3 | 4/1/2018 | PMO | 12.83 | 83.0 | HEAT RECOVERY STEAM GENERATOR TO GAS TURBINE CON.. |
| HEP ST3 | 4/16/2018 | PPO | 5.00 | 23.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST3 | 4/22/2018 | PMO | 25.27 | 81.0 | LOW PRESSURE HEATER TUBE LEAKS |
| HEP ST3 | 5/8/2018 | PPO | 1.00 | 30.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST3 | 5/21/2018 | PPO | 6.23 | 20.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST3 | 5/21/2018 | PPO | 1.00 | 48.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST3 | 5/23/2018 | PPO | 0.53 | 31.1 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST3 | 5/24/2018 | PFO | 14.50 | 31.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST3 | 5/25/2018 | PFO | 37.50 | 102.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST3 | 5/26/2018 | PMO | 27.65 | 84.0 | OTHER MISCELLANEOUS BALANCE OF PLANT PROBLEMS |
| HEP ST3 | 6/30/2018 | PPO | 8.00 | 28.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - June 2018

Hines Power Block 4

| Unit | Date | Outage Type | Hours | MW Affected | Description |
|--------|-----------|-------------|-------|-------------|--|
| HEP 4A | 1/22/2018 | PPO | 0.50 | 68.8 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 2/2/2018 | PPO | 1.10 | 56.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 2/22/2018 | PPO | 1.00 | 61.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 3/6/2018 | PPO | 1.00 | 56.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 5/12/2018 | PPO | 6.75 | 71.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 5/13/2018 | PPO | 7.00 | 71.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 5/14/2018 | PPO | 0.60 | 67.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 5/21/2018 | PPO | 0.58 | 76.1 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 5/22/2018 | PPO | 1.15 | 75.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 5/24/2018 | PFO | 0.58 | 69.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 6/2/2018 | PPO | 8.00 | 67.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 6/3/2018 | PPO | 8.00 | 71.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 6/4/2018 | PPO | 1.95 | 76.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 6/5/2018 | PPO | 1.00 | 66.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 6/14/2018 | PPO | 1.00 | 66.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4A | 6/24/2018 | FFO | 3.03 | 171.9 | GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS |
| HEP 4A | 6/25/2018 | PPO | 1.00 | 67.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 1/13/2018 | FFO | 38.25 | 170.9 | IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS |
| HEP 4B | 1/22/2018 | PPO | 0.50 | 66.0 | TRAVELING SCREEN FOULING |
| HEP 4B | 2/2/2018 | PPO | 1.10 | 55.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 2/22/2018 | PPO | 1.00 | 60.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 3/6/2018 | PPO | 1.00 | 55.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 4/26/2018 | FMO | 51.65 | 170.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 5/12/2018 | PPO | 6.75 | 70.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 5/13/2018 | PPO | 7.00 | 70.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 5/14/2018 | PPO | 0.60 | 65.8 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 5/21/2018 | PPO | 0.58 | 75.1 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - June 2018

Hines Power Block 4

| Unit | Date | Outage Type | Hours | MW Affected | Description |
|---------|-----------|-------------|-------|-------------|--|
| HEP 4B | 5/22/2018 | PPO | 1.15 | 74.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 5/24/2018 | PFO | 0.58 | 68.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 6/2/2018 | PPO | 8.00 | 68.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 6/3/2018 | PPO | 8.00 | 70.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 6/4/2018 | PPO | 1.95 | 75.9 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 6/5/2018 | PPO | 1.00 | 66.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 6/14/2018 | PPO | 1.00 | 66.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP 4B | 6/25/2018 | PPO | 1.00 | 67.0 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 1/13/2018 | PFO | 37.50 | 69.2 | IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS |
| HEP ST4 | 1/22/2018 | PPO | 0.50 | 13.2 | TRAVELING SCREEN FOULING |
| HEP ST4 | 2/2/2018 | PPO | 1.10 | 31.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 2/22/2018 | PPO | 1.00 | 37.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 3/6/2018 | PPO | 1.00 | 29.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 4/26/2018 | PMO | 51.65 | 78.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 5/12/2018 | PPO | 6.75 | 28.1 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 5/13/2018 | PPO | 7.00 | 28.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 5/14/2018 | PPO | 0.60 | 31.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 5/21/2018 | PPO | 0.58 | 41.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 5/22/2018 | PPO | 1.15 | 36.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 5/24/2018 | PFO | 0.58 | 23.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 6/2/2018 | PPO | 8.00 | 24.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 6/3/2018 | PPO | 8.00 | 26.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 6/4/2018 | PPO | 1.95 | 22.1 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 6/5/2018 | PPO | 1.00 | 31.1 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 6/14/2018 | PPO | 1.00 | 31.1 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |
| HEP ST4 | 6/24/2018 | PFO | 3.03 | 76.1 | GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS |
| HEP ST4 | 6/25/2018 | PPO | 1.00 | 27.2 | OTHER MISCELLANEOUS EXTERNAL PROBLEMS |