



MATTHEW R. BERNIER  
SENIOR COUNSEL

March 22, 2017

**VIA ELECTRONIC FILING**

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

Re: Docket No.: 170001  
Performance Data Report for February 2017

Dear Ms. Stauffer:

Attached for filing in the above docket is Duke Energy Florida, LLC's Performance Data Report for February 2017.

If you have any questions, please do not hesitate to contact me at (850) 521-1428.

Sincerely,

*/s/ Matthew R. Bernier*

Matthew R. Bernier  
Senior Counsel

MRB/db  
Attachment

cc: Daniel Lee, Division of Engineering, FPSC  
Parties of Record

CERTIFICATE OF SERVICE

Docket No. 170001-EI

I HEREBY CERTIFY that a true copy of Duke Energy Florida, LLC's Performance Data Report for the month of February 2017 has been furnished to the following individuals via e-mail on this 22<sup>nd</sup> day of March, 2017.

*/s/ Matthew R. Bernier*

Attorney

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Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2017

| Bartow CC           | Jan-17    | Feb-17    | Mar-17 | Apr-17 | May-17 | Jun-17 | Jul-17 | Aug-17 | Sep-17 | Oct-17 | Nov-17 | Dec-17 | Jan - Feb<br>Period |
|---------------------|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------|
| 1. EAF              | 100.00    | 61.18     |        |        |        |        |        |        |        |        |        |        | 81.58               |
| 2. PH               | 744       | 672       |        |        |        |        |        |        |        |        |        |        | 1,416               |
| 3. SH               | 677.0     | 411.2     |        |        |        |        |        |        |        |        |        |        | 1,088.2             |
| 4. RSH              | 67.0      | 0.0       |        |        |        |        |        |        |        |        |        |        | 67.0                |
| 5. UH               | 0.0       | 260.9     |        |        |        |        |        |        |        |        |        |        | 260.9               |
| 6. POH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 7. FOH              | 0.0       | 233.1     |        |        |        |        |        |        |        |        |        |        | 233.1               |
| 8. MOH              | 0.0       | 27.8      |        |        |        |        |        |        |        |        |        |        | 27.8                |
| 9. PPOH             | 56.4      | 0.0       |        |        |        |        |        |        |        |        |        |        | 56.4                |
| 10. LR PP (MW)      | 203.1     | 0.0       |        |        |        |        |        |        |        |        |        |        | 203.1               |
| 11. PFOH            | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 12. LR PF (MW)      | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 13. PMOH            | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 14. LR PM (MW)      | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 15. NSC (MW)        | 1162      | 1162      |        |        |        |        |        |        |        |        |        |        | 1162                |
| 16. OPER MBTU       | 4,539,060 | 2,658,016 |        |        |        |        |        |        |        |        |        |        | 7,197,076           |
| 17. NET GEN (MWH)   | 616,163   | 269,471   |        |        |        |        |        |        |        |        |        |        | 885,634             |
| 18. ANOHR (BTU/KWH) | 7,366.7   | 9,863.8   |        |        |        |        |        |        |        |        |        |        | 8,126.5             |
| 19. NOF (%)         | 78.32     | 56.40     |        |        |        |        |        |        |        |        |        |        | 70.04               |
| 20. NPC (MW)        | 1162      | 1162      |        |        |        |        |        |        |        |        |        |        | 1162                |

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2017

| CRYSTAL RIVER 4     | Jan-17    | Feb-17    | Mar-17 | Apr-17 | May-17 | Jun-17 | Jul-17 | Aug-17 | Sep-17 | Oct-17 | Nov-17 | Dec-17 | Jan - Feb<br>Period |
|---------------------|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------|
| 1. EAF              | 86.49     | 95.82     |        |        |        |        |        |        |        |        |        |        | 90.92               |
| 2. PH               | 744       | 672       |        |        |        |        |        |        |        |        |        |        | 1,416               |
| 3. SH               | 648.7     | 650.3     |        |        |        |        |        |        |        |        |        |        | 1,299.0             |
| 4. RSH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 5. UH               | 95.3      | 21.7      |        |        |        |        |        |        |        |        |        |        | 117.0               |
| 6. POH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 7. FOH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 8. MOH              | 95.3      | 21.7      |        |        |        |        |        |        |        |        |        |        | 117.0               |
| 9. PPOH             | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 10. LR PP (MW)      | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 11. PFOH            | 21.1      | 14.0      |        |        |        |        |        |        |        |        |        |        | 35.1                |
| 12. LR PF (MW)      | 155.5     | 61.9      |        |        |        |        |        |        |        |        |        |        | 118.2               |
| 13. PMOH            | 4.5       | 14.8      |        |        |        |        |        |        |        |        |        |        | 19.3                |
| 14. LR PM (MW)      | 93.0      | 249.0     |        |        |        |        |        |        |        |        |        |        | 212.7               |
| 15. NSC (MW)        | 712       | 712       |        |        |        |        |        |        |        |        |        |        | 712                 |
| 16. OPER MBTU       | 3,201,197 | 3,213,960 |        |        |        |        |        |        |        |        |        |        | 6,415,156           |
| 17. NET GEN (MWH)   | 311,345   | 321,341   |        |        |        |        |        |        |        |        |        |        | 632,686             |
| 18. ANOHR (BTU/KWH) | 10,281.8  | 10,001.7  |        |        |        |        |        |        |        |        |        |        | 10,139.6            |
| 19. NOF (%)         | 67.41     | 69.40     |        |        |        |        |        |        |        |        |        |        | 68.41               |
| 20. NPC (MW)        | 712       | 712       |        |        |        |        |        |        |        |        |        |        | 712                 |

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2017

| CRYSTAL RIVER 5     | Jan-17    | Feb-17    | Mar-17 | Apr-17 | May-17 | Jun-17 | Jul-17 | Aug-17 | Sep-17 | Oct-17 | Nov-17 | Dec-17 | Jan - Feb<br>Period |
|---------------------|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------|
| 1. EAF              | 99.76     | 99.71     |        |        |        |        |        |        |        |        |        |        | 99.74               |
| 2. PH               | 744       | 672       |        |        |        |        |        |        |        |        |        |        | 1,416               |
| 3. SH               | 744.0     | 672.0     |        |        |        |        |        |        |        |        |        |        | 1,416.0             |
| 4. RSH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 5. UH               | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 6. POH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 7. FOH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 8. MOH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 9. PPOH             | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 10. LR PP (MW)      | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 11. PFOH            | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 12. LR PF (MW)      | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 13. PMOH            | 13.8      | 15.0      |        |        |        |        |        |        |        |        |        |        | 28.8                |
| 14. LR PM (MW)      | 91.0      | 91.0      |        |        |        |        |        |        |        |        |        |        | 91.0                |
| 15. NSC (MW)        | 710       | 710       |        |        |        |        |        |        |        |        |        |        | 710                 |
| 16. OPER MBTU       | 3,645,405 | 3,211,345 |        |        |        |        |        |        |        |        |        |        | 6,856,750           |
| 17. NET GEN (MWH)   | 358,248   | 321,503   |        |        |        |        |        |        |        |        |        |        | 679,751             |
| 18. ANOHR (BTU/KWH) | 10,175.6  | 9,988.5   |        |        |        |        |        |        |        |        |        |        | 10,087.1            |
| 19. NOF (%)         | 67.82     | 67.38     |        |        |        |        |        |        |        |        |        |        | 67.61               |
| 20. NPC (MW)        | 710       | 710       |        |        |        |        |        |        |        |        |        |        | 710                 |

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2017

| HINES Power Block 1 | Jan-17    | Feb-17    | Mar-17 | Apr-17 | May-17 | Jun-17 | Jul-17 | Aug-17 | Sep-17 | Oct-17 | Nov-17 | Dec-17 | Jan - Feb<br>Period |
|---------------------|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------|
| 1. EAF              | 100.00    | 100.00    |        |        |        |        |        |        |        |        |        |        | 100.00              |
| 2. PH               | 744       | 672       |        |        |        |        |        |        |        |        |        |        | 1,416               |
| 3. SH               | 603.3     | 672.0     |        |        |        |        |        |        |        |        |        |        | 1,275.3             |
| 4. RSH              | 140.7     | 0.0       |        |        |        |        |        |        |        |        |        |        | 140.7               |
| 5. UH               | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 6. POH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 7. FOH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 8. MOH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 9. PPOH             | 0.0       | 7.5       |        |        |        |        |        |        |        |        |        |        | 7.5                 |
| 10. LR PP (MW)      | 0.0       | 57.1      |        |        |        |        |        |        |        |        |        |        | 57.1                |
| 11. PFOH            | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 12. LR PF (MW)      | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 13. PMOH            | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 14. LR PM (MW)      | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 15. NSC (MW)        | 445       | 454       |        |        |        |        |        |        |        |        |        |        | 445                 |
| 16. OPER MBTU       | 1,613,671 | 2,095,469 |        |        |        |        |        |        |        |        |        |        | 3,709,140           |
| 17. NET GEN (MWH)   | 236,527   | 303,529   |        |        |        |        |        |        |        |        |        |        | 540,056             |
| 18. ANOHR (BTU/KWH) | 6,822.4   | 6,903.7   |        |        |        |        |        |        |        |        |        |        | 6,868.1             |
| 19. NOF (%)         | 88.10     | 99.49     |        |        |        |        |        |        |        |        |        |        | 95.16               |
| 20. NPC (MW)        | 445       | 454       |        |        |        |        |        |        |        |        |        |        | 445                 |

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2017

| HINES Power Block 2 | Jan-17    | Feb-17    | Mar-17 | Apr-17 | May-17 | Jun-17 | Jul-17 | Aug-17 | Sep-17 | Oct-17 | Nov-17 | Dec-17 | Jan - Feb<br>Period |
|---------------------|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------|
| 1. EAF              | 100.00    | 100.00    |        |        |        |        |        |        |        |        |        |        | 100.00              |
| 2. PH               | 744       | 672       |        |        |        |        |        |        |        |        |        |        | 1,416               |
| 3. SH               | 646.2     | 419.6     |        |        |        |        |        |        |        |        |        |        | 1,065.8             |
| 4. RSH              | 97.8      | 252.4     |        |        |        |        |        |        |        |        |        |        | 350.2               |
| 5. UH               | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 6. POH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 7. FOH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 8. MOH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 9. PPOH             | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 10. LR PP (MW)      | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 11. PFOH            | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 12. LR PF (MW)      | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 13. PMOH            | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 14. LR PM (MW)      | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 15. NSC (MW)        | 477       | 454       |        |        |        |        |        |        |        |        |        |        | 477                 |
| 16. OPER MBTU       | 2,042,538 | 1,267,778 |        |        |        |        |        |        |        |        |        |        | 3,310,316           |
| 17. NET GEN (MWH)   | 277,273   | 179,574   |        |        |        |        |        |        |        |        |        |        | 456,847             |
| 18. ANOHR (BTU/KWH) | 7,366.5   | 7,059.9   |        |        |        |        |        |        |        |        |        |        | 7,246.0             |
| 19. NOF (%)         | 89.96     | 94.26     |        |        |        |        |        |        |        |        |        |        | 89.86               |
| 20. NPC (MW)        | 477       | 454       |        |        |        |        |        |        |        |        |        |        | 477                 |

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2017

| HINES Power Block 3 | Jan-17    | Feb-17    | Mar-17 | Apr-17 | May-17 | Jun-17 | Jul-17 | Aug-17 | Sep-17 | Oct-17 | Nov-17 | Dec-17 | Jan - Feb<br>Period |
|---------------------|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------|
| 1. EAF              | 96.79     | 100.00    |        |        |        |        |        |        |        |        |        |        | 98.31               |
| 2. PH               | 744       | 672       |        |        |        |        |        |        |        |        |        |        | 1,416               |
| 3. SH               | 419.3     | 606.7     |        |        |        |        |        |        |        |        |        |        | 1,026.0             |
| 4. RSH              | 304.9     | 65.3      |        |        |        |        |        |        |        |        |        |        | 370.2               |
| 5. UH               | 19.9      | 0.0       |        |        |        |        |        |        |        |        |        |        | 19.9                |
| 6. POH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 7. FOH              | 0.1       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.1                 |
| 8. MOH              | 19.8      | 0.0       |        |        |        |        |        |        |        |        |        |        | 19.8                |
| 9. PPOH             | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 10. LR PP (MW)      | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 11. PFOH            | 0.1       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.1                 |
| 12. LR PF (MW)      | 84.9      | 0.0       |        |        |        |        |        |        |        |        |        |        | 84.9                |
| 13. PMOH            | 22.7      | 0.0       |        |        |        |        |        |        |        |        |        |        | 22.7                |
| 14. LR PM (MW)      | 83.8      | 0.0       |        |        |        |        |        |        |        |        |        |        | 83.8                |
| 15. NSC (MW)        | 471       | 454       |        |        |        |        |        |        |        |        |        |        | 471                 |
| 16. OPER MBTU       | 1,378,484 | 1,843,655 |        |        |        |        |        |        |        |        |        |        | 3,222,140           |
| 17. NET GEN (MWH)   | 187,937   | 272,008   |        |        |        |        |        |        |        |        |        |        | 459,945             |
| 18. ANOHR (BTU/KWH) | 7,334.8   | 6,777.9   |        |        |        |        |        |        |        |        |        |        | 7,005.5             |
| 19. NOF (%)         | 95.17     | 98.75     |        |        |        |        |        |        |        |        |        |        | 95.18               |
| 20. NPC (MW)        | 471       | 454       |        |        |        |        |        |        |        |        |        |        | 471                 |



Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2017

| HINES Power Block 4 | Jan-17    | Feb-17    | Mar-17 | Apr-17 | May-17 | Jun-17 | Jul-17 | Aug-17 | Sep-17 | Oct-17 | Nov-17 | Dec-17 | Jan - Feb<br>Period |
|---------------------|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------|
| 1. EAF              | 100.00    | 99.87     |        |        |        |        |        |        |        |        |        |        | 99.94               |
| 2. PH               | 744       | 672       |        |        |        |        |        |        |        |        |        |        | 1,416               |
| 3. SH               | 627.8     | 523.0     |        |        |        |        |        |        |        |        |        |        | 1,150.7             |
| 4. RSH              | 116.2     | 148.3     |        |        |        |        |        |        |        |        |        |        | 264.5               |
| 5. UH               | 0.0       | 0.8       |        |        |        |        |        |        |        |        |        |        | 0.8                 |
| 6. POH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 7. FOH              | 0.0       | 0.8       |        |        |        |        |        |        |        |        |        |        | 0.8                 |
| 8. MOH              | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 9. PPOH             | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 10. LR PP (MW)      | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 11. PFOH            | 0.0       | 0.8       |        |        |        |        |        |        |        |        |        |        | 0.8                 |
| 12. LR PF (MW)      | 0.0       | 80.6      |        |        |        |        |        |        |        |        |        |        | 80.6                |
| 13. PMOH            | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 14. LR PM (MW)      | 0.0       | 0.0       |        |        |        |        |        |        |        |        |        |        | 0.0                 |
| 15. NSC (MW)        | 454       | 454       |        |        |        |        |        |        |        |        |        |        | 454                 |
| 16. OPER MBTU       | 2,189,339 | 1,654,101 |        |        |        |        |        |        |        |        |        |        | 3,843,440           |
| 17. NET GEN (MWH)   | 302,283   | 247,902   |        |        |        |        |        |        |        |        |        |        | 550,185             |
| 18. ANOHR (BTU/KWH) | 7,242.7   | 6,672.4   |        |        |        |        |        |        |        |        |        |        | 6,985.7             |
| 19. NOF (%)         | 106.06    | 104.42    |        |        |        |        |        |        |        |        |        |        | 105.31              |
| 20. NPC (MW)        | 454       | 454       |        |        |        |        |        |        |        |        |        |        | 454                 |

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - February 2017**

**Bartow CC**

| <b>Unit</b> | <b>Date</b> | <b>Outage Type</b> | <b>Hours</b> | <b>MW Affected</b> | <b>Description</b>                      |
|-------------|-------------|--------------------|--------------|--------------------|---|
| BCC 4A      | 1/24/2017   | PPO                | 40.52        | 25.3               | NOX STACK EMISSIONS - GAS TURBINE UNITS |
| BCC 4B      | 1/26/2017   | PPO                | 11.00        | 26.3               | NOX STACK EMISSIONS - GAS TURBINE UNITS |
| BCC 4B      | 2/15/2017   | FFO                | 48.02        | 171.3              | GAS TURBINE - DIVERTER DAMPERS          |
| BCC 4B      | 2/17/2017   | FMO                | 70.97        | 171.3              | GAS TURBINE - TURNING GEAR AND MOTOR    |
| BCC 4B      | 2/24/2017   | FMO                | 87.00        | 171.3              | SOLID STATE EXCITER ELEMENT             |
| BCC 4B      | 2/28/2017   | FFO                | 14.98        | 171.3              | LOW PRESSURE COMPRESSURE BLEED VALVES   |
| BCC 4C      | 1/27/2017   | PPO                | 35.00        | 29.3               | NOX STACK EMISSIONS - GAS TURBINE UNITS |
| BCC 4D      | 1/28/2017   | PPO                | 35.00        | 24.3               | NOX STACK EMISSIONS - GAS TURBINE UNITS |
| BCC 4D      | 2/14/2017   | FMO                | 24.02        | 169.3              | GAS TURBINE - FUEL PIPING AND VALVES    |
| BCC 4S      | 1/24/2017   | PPO                | 40.52        | 289.8              | NOX STACK EMISSIONS - GAS TURBINE UNITS |
| BCC 4S      | 1/26/2017   | PPO                | 11.00        | 289.8              | NOX STACK EMISSIONS - GAS TURBINE UNITS |
| BCC 4S      | 1/27/2017   | PPO                | 11.00        | 289.8              | NOX STACK EMISSIONS - GAS TURBINE UNITS |
| BCC 4S      | 1/28/2017   | PPO                | 35.00        | 289.8              | NOX STACK EMISSIONS - GAS TURBINE UNITS |
| BCC 4S      | 2/5/2017    | FFO                | 575.50       | 434.8              | OTHER LOW PRESSURE TURBINE PROBLEMS     |

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - February 2017**

**Crystal River 4**

| <b>Date</b> | <b>Outage Type</b> | <b>Hours</b> | <b>MW Affected</b> | <b>Description</b>                                      |
|-------------|--------------------|--------------|--------------------|---|
| 1/7/2017    | PFO                | 19.72        | 160.0              | WET COAL (OMC)  |
| 1/14/2017   | PFO                | 1.42         | 93.0               | PULVERIZER FEEDERS                                      |
| 1/18/2017   | PMO                | 4.50         | 93.0               | AIR SUPPLY DAMPERS                                      |
| 1/25/2017   | FMO                | 95.30        | 712.0              | FIRST REHEATER LEAKS                                    |
| 2/4/2017    | PFO                | 7.40         | 93.0               | PULVERIZER FEEDERS                                      |
| 2/7/2017    | PMO                | 6.40         | 454.0              | CEMS - CERTIFICATION AND RECERTIFICATION                |
| 2/9/2017    | PMO                | 3.28         | 93.0               | PULVERIZED FUEL AND AIR PIPING (PULVERIZER TO WIND BOX) |
| 2/15/2017   | PMO                | 1.13         | 93.0               | PULVERIZED FUEL AND AIR PIPING (PULVERIZER TO WIND BOX) |
| 2/23/2017   | PMO                | 4.00         | 92.9               | PULVERIZED FUEL AND AIR PIPING (PULVERIZER TO WIND BOX) |
| 2/27/2017   | PFO                | 6.58         | 27.0               | FIRST SUPERHEATER LEAKS                                 |
| 2/28/2017   | FMO                | 21.67        | 712.0              | FIRST SUPERHEATER LEAKS                                 |

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - February 2017**

**Crystal River 5**

| <b>Date</b> | <b>Outage Type</b> | <b>Hours</b> | <b>MW Affected</b> | <b>Description</b>         |
|-------------|--------------------|--------------|--------------------|----------------------------|
| 1/4/2017    | PMO                | 6.33         | 91.0               | PULVERIZER LUBE OIL SYSTEM |
| 1/12/2017   | PMO                | 7.50         | 91.0               | PULVERIZER MILLS           |
| 2/16/2017   | PMO                | 15.00        | 91.0               | FOREIGN OBJECT IN MILL     |

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - February 2017**

**Hines Power Block 1**

| <b>Unit</b> | <b>Date</b> | <b>Outage Type</b> | <b>Hours</b> | <b>MW Affected</b> | <b>Description</b>               |
|-------------|-------------|--------------------|--------------|--------------------|----------------------------------|
| HEP 1A      | 2/25/2017   | PPO                | 7.45         | 63.4               | CONDENSER TUBE FOULING TUBE SIDE |
| HEP 1B      | 2/25/2017   | PPO                | 7.45         | 62.4               | CONDENSER TUBE FOULING TUBE SIDE |
| HEP ST1     | 2/25/2017   | PPO                | 7.45         | 46.1               | CONDENSER TUBE FOULING TUBE SIDE |

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - February 2017**

**Hines Power Block 2**

| Unit | Date | Outage<br>Type | Hours | MW<br>Affected | Description |
|------|------|----------------|-------|----------------|-------------|
|      |      |                |       |                |             |

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - February 2017**

**Hines Power Block 3**

| <b>Unit</b> | <b>Date</b> | <b>Outage Type</b> | <b>Hours</b> | <b>MW Affected</b> | <b>Description</b>                                 |
|-------------|-------------|--------------------|--------------|--------------------|--|
| HEP 3A      | 1/21/2017   | FFO                | 0.25         | 149.6              | FEEDWATER CONTROLS                                 |
| HEP 3A      | 1/21/2017   | FMO                | 62.25        | 149.6              | BOILER; MISCELLANEOUS                              |
| HEP ST3     | 1/21/2017   | PFO                | 0.25         | 83.8               | FEEDWATER REGULATING (BOILER LEVEL CONTROL) VALVE  |
| HEP ST3     | 1/21/2017   | PMO                | 62.17        | 83.8               | OTHER STACK OR EXHAUST EMISSIONS -GAS TURBINE UNIT |

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - February 2017**

**Hines Power Block 4**

| <b>Unit</b> | <b>Date</b> | <b>Outage Type</b> | <b>Hours</b> | <b>MW Affected</b> | <b>Description</b>                     |
|-------------|-------------|--------------------|--------------|--------------------|--|
| HEP 4B      | 2/20/2017   | FFO                | 2.33         | 145.2              | GAS TURBINE - CONTROLS AND INSTRUMENTS |
| HEP ST4     | 2/20/2017   | PFO                | 2.33         | 80.5               | OTHER GAS TURBINE EXHAUST PROBLEMS     |