



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

April 28, 2020

VIA ELECTRONIC FILING

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

Re: *Performance Data Report for March 2020*
Docket No. 20200001-EI

Dear Mr. Teitzman:

Attached for electronic filing in the above-referenced Docket is Duke Energy Florida, LLC's Performance Data Report for March 2020.

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: Director, Division of Engineering, FPSC

CERTIFICATE OF SERVICE

Docket No. 20200001-EI

I HEREBY CERTIFY that a true copy of the above-mentioned document has been furnished to the following individuals via e-mail on this 28th day of April, 2020.

/s/ Matthew R. Bernier

Attorney

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Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2020

Bartow CC	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan - Mar Period
1. EAF	83.93	99.00	94.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.37
2. PH	744	696	743	0	0	0	0	0	0	0	0	0	2,183
3. SH	615.8	621.1	661.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,897.9
4. RSH	8.6	69.0	43.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120.7
5. UH	119.6	5.9	38.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164.4
6. POH	119.2	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	123.5
7. FOH	0.4	5.7	34.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.6
8. MOH	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	0.0	11.2	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.6
12. LR PF (MW)	0.0	108.2	108.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108.2
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)	1144	1144	1144	0	0	0	0	0	0	0	0	0	1144
16. OPER MBTU	4,050,994	4,286,777	4,724,966	0	0	0	0	0	0	0	0	0	13,062,738
17. NET GEN (MWH)	555,214	552,497	602,801	0	0	0	0	0	0	0	0	0	1,710,512
18. ANOHR (BTU/KWH)	7,296.3	7,758.9	7,838.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,636.7
19. NOF (%)	78.81	77.75	79.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.78
20. NPC (MW)	1144	1144	1144	0	0	0	0	0	0	0	0	0	1144

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2020

OSPREY CC	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan - Mar Period
1. EAF	99.53	96.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.70
2. PH	744	696	743	0	0	0	0	0	0	0	0	0	2,183
3. SH	194.4	47.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	241.7
4. RSH	546.7	624.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,171.5
5. UH	2.8	24.0	743.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	769.8
6. POH	0.0	24.0	743.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	767.0
7. FOH	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
8. MOH	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
12. LR PF (MW)	111.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111.3
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)	582	582	582	0	0	0	0	0	0	0	0	0	582
16. OPER MBTU	541,636	110,673	0	0	0	0	0	0	0	0	0	0	652,310
17. NET GEN (MWH)	71,968	14,619	0	0	0	0	0	0	0	0	0	0	86,587
18. ANOHR (BTU/KWH)	7,526.1	7,570.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,533.6
19. NOF (%)	63.60	53.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.55
20. NPC (MW)	582	582	582	0	0	0	0	0	0	0	0	0	582

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2020

HINES Power Block 1	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan - Mar Period
1. EAF	98.88	88.34	95.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.46
2. PH	744	696	743	0	0	0	0	0	0	0	0	0	2,183
3. SH	259.0	575.2	654.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,488.8
4. RSH	476.7	42.3	57.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	576.4
5. UH	8.3	78.5	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117.8
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	8.3	61.4	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.7
8. MOH	0.0	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.1
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	0.0	16.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6
12. LR PF (MW)	0.0	77.0	49.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.6
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)	490	490	490	0	0	0	0	0	0	0	0	0	490
16. OPER MBTU	780,815	1,648,431	1,880,686	0	0	0	0	0	0	0	0	0	4,309,933
17. NET GEN (MWH)	102,818	215,761	250,559	0	0	0	0	0	0	0	0	0	569,138
18. ANOHR (BTU/KWH)	7,594.1	7,640.1	7,506.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,572.7
19. NOF (%)	81.02	76.55	78.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.02
20. NPC (MW)	490	490	490	0	0	0	0	0	0	0	0	0	490

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2020

HINES Power Block 2	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan - Mar Period
1. EAF	100.00	94.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.23
2. PH	744	696	743	0	0	0	0	0	0	0	0	0	2,183
3. SH	703.6	559.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,262.7
4. RSH	40.5	99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	139.4
5. UH	0.0	37.9	743.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	780.9
6. POH	0.0	24.2	743.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	767.2
7. FOH	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9
8. MOH	0.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	524	524	524	0	0	0	0	0	0	0	0	0	524
16. OPER MBTU	2,149,462	1,871,576	0	0	0	0	0	0	0	0	0	0	4,021,038
17. NET GEN (MWH)	290,864	252,437	0	0	0	0	0	0	0	0	0	0	543,301
18. ANOHR (BTU/KWH)	7,389.9	7,414.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,401.1
19. NOF (%)	78.90	86.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.11
20. NPC (MW)	524	524	524	0	0	0	0	0	0	0	0	0	524

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2020

HINES Power Block 3	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan - Mar Period
1. EAF	100.00	99.52	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.85
2. PH	744	696	743	0	0	0	0	0	0	0	0	0	2,183
3. SH	460.1	460.2	726.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,646.9
4. RSH	284.0	233.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	533.3
5. UH	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
8. MOH	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
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
12. LR PF (MW)	0.0	61.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.6
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)	515	515	515	0	0	0	0	0	0	0	0	0	515
16. OPER MBTU	1,364,781	1,411,103	2,170,967	0	0	0	0	0	0	0	0	0	4,946,852
17. NET GEN (MWH)	181,972	196,056	299,188	0	0	0	0	0	0	0	0	0	677,216
18. ANOHR (BTU/KWH)	7,499.9	7,197.5	7,256.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,304.7
19. NOF (%)	76.81	82.72	79.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.85
20. NPC (MW)	515	515	515	0	0	0	0	0	0	0	0	0	515

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2020

HINES Power Block 4	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan - Mar Period
1. EAF	99.14	100.00	94.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.78
2. PH	744	696	743	0	0	0	0	0	0	0	0	0	2,183
3. SH	720.9	648.9	663.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,032.9
4. RSH	17.6	47.1	38.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102.8
5. UH	5.6	0.0	41.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.3
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	5.6	0.0	41.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.3
8. MOH	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
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	5.6	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6
12. LR PF (MW)	78.1	0.0	62.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.6
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	516	516	516	0	0	0	0	0	0	0	0	0	516
16. OPER MBTU	2,200,579	1,936,502	1,918,280	0	0	0	0	0	0	0	0	0	6,055,361
17. NET GEN (MWH)	317,533	278,017	267,248	0	0	0	0	0	0	0	0	0	862,798
18. ANOHR (BTU/KWH)	6,930.2	6,965.4	7,177.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,018.3
19. NOF (%)	85.37	83.03	78.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.25
20. NPC (MW)	516	516	516	0	0	0	0	0	0	0	0	0	516

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - March 2020

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4A	2/4/2020	FMO	1.42	190.8	PROTECTION DEVICES
BCC 4A	3/30/2020	PO	25.00	190.8	PILOT FUEL PIPING AND VALVES
BCC 4B	1/1/2020	PO	668.72	190.8	MAJOR GAS TURBINE OVERHAUL
BCC 4B	1/28/2020	PO	14.93	190.8	GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS
BCC 4B	1/30/2020	FFO	2.18	190.8	GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS
BCC 4B	2/12/2020	FFO	0.08	190.8	IP EXTRACTION STEAM INSTRUMENTS AND CONTROLS
BCC 4B	2/12/2020	FFO	3.67	190.8	HP EXTRACTION STEAM INSTRUMENTS AND CONTROLS
BCC 4B	2/18/2020	FFO	2.83	190.8	BLADE PATH TEMPERATURE SPREAD
BCC 4B	2/25/2020	FFO	15.87	190.8	PILOT FUEL PIPING AND VALVES
BCC 4D	2/11/2020	FFO	0.08	190.8	GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS
BCC 4D	2/15/2020	FFO	6.25	190.8	GT CONT. SYS. - INTERNAL AND TERMINATION WIRING
BCC 4D	2/16/2020	FFO	3.75	190.8	GT CONT. SYS. - INTERNAL AND TERMINATION WIRING
BCC 4D	3/22/2020	FFO	34.18	190.8	PILOT FUEL PIPING AND VALVES
BCC 4S	2/4/2020	PFO	1.42	108.3	PROTECTION DEVICES
BCC 4S	2/12/2020	PFO	3.67	108.2	HP EXTRACTION STEAM INSTRUMENTS AND CONTROLS
BCC 4S	2/15/2020	PFO	6.25	108.2	GT CONT. SYS. - INTERNAL AND TERMINATION WIRING
BCC 4S	2/16/2020	PFO	3.75	108.2	GT CONT. SYS. - INTERNAL AND TERMINATION WIRING
BCC 4S	2/18/2020	PFO	2.83	108.2	BLADE PATH TEMPERATURE SPREAD
BCC 4S	2/25/2020	PFO	15.87	108.2	PILOT FUEL PIPING AND VALVES
BCC 4S	3/7/2020	FFO	94.35	380.7	TURBINE - OTHER HYDRAULIC SYSTEM PROBLEMS
BCC 4S	3/22/2020	PFO	34.18	108.2	PILOT FUEL PIPING AND VALVES

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - March 2020

Osprey CC

Unit	Date	Outage Type	Hours	MW Affected	Description
OS1CT1	1/6/2020	FMO	7.50	175.3	FLASHBACK (INCLUDING INSTRUMENTATION)
OS1CT1	2/29/2020	PO	670.98	175.3	GENERAL GAS TURBINE UNIT INSPECTION
OS1CT2	2/29/2020	PO	670.98	175.3	GAS TURBINE - BOROSCOPE INSPECTION
OS1ST1	1/6/2020	PFO	7.48	111.4	FLASHBACK (INCLUDING INSTRUMENTATION)
OS1ST1	1/11/2020	FFO	1.03	231.4	CONDENSER LOSS OF VACUUM
OS1ST1	1/11/2020	FFO	0.38	231.4	CONDENSER LOSS OF VACUUM
OS1ST1	2/29/2020	PO	670.98	231.4	INSPECTION

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - March 2020

Hines Power Block 1

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 1A	1/20/2020	FFO	24.95	163.0	COMBINED CYCLE INSTRUMENTS AND CONTROLS
HEP 1A	2/22/2020	FMO	51.42	163.0	GENERATOR SEAL OIL SYSTEM AND SEALS
HEP 1A	2/27/2020	FFO	81.17	163.0	GAS TURBINE - CONTROLS AND INSTRUMENTS
HEP 1A	3/22/2020	PFO	5.00	46.0	SERVICE WATER HEAT EXCHANGERS
HEP 1B	2/18/2020	FFO	36.62	169.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
HEP 1B	2/27/2020	FFO	2.45	169.0	FEEDWATER REGULATING (BOILER LEVEL CONTROL) VALVE
HEP 1B	2/28/2020	FFO	76.58	169.0	CONDENSER LOSS OF VACUUM
HEP 1B	3/22/2020	PFO	5.00	60.0	SERVICE WATER HEAT EXCHANGERS
HEP ST1	2/22/2020	PFO	51.42	77.0	GENERATOR SEAL OIL SYSTEM AND SEALS
HEP ST1	2/27/2020	FFO	3.25	158.0	OTHER MISCELLANEOUS STEAM TURBINE PROBLEMS
HEP ST1	2/28/2020	FFO	76.67	158.0	CONDENSER LOSS OF VACUUM
HEP ST1	3/22/2020	PFO	5.00	42.0	SERVICE WATER HEAT EXCHANGERS

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ACTUAL UNIT EVENT DATA -- January - March 2020

Hines Power Block 2

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 2A	2/4/2020	FFO	17.70	172.0	BLADE PATH TEMPERATURE SPREAD
HEP 2A	2/14/2020	FMO	20.68	172.0	FEEDWATER REGULATING (BOILER LEVEL CONTROL) VALVE
HEP 2A	2/28/2020	PO	767.12	172.0	GENERAL GAS TURBINE UNIT INSPECTION
HEP 2B	2/25/2020	FFO	3.23	175.0	TRANSMISSION SYSTEM PROBLEMS OTHER THAN CATASTROPH
HEP 2B	2/28/2020	PO	767.08	175.0	GENERAL GAS TURBINE UNIT INSPECTION
HEP ST2	2/28/2020	PO	767.28	177.0	GENERAL GAS TURBINE UNIT INSPECTION

Duke Energy Florida**ACTUAL UNIT EVENT DATA -- January - March 2020****Hines Power Block 3**

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 3A	2/11/2020	PFO	4.00	71.0	OTHER MISCELLANEOUS GENERATOR PROBLEMS
HEP 3A	2/25/2020	FFO	2.85	171.0	TRANSMISSION SYSTEM PROBLEMS OTHER THAN CATASTROPH
HEP 3B	2/11/2020	PFO	4.00	71.0	OTHER MISCELLANEOUS GENERATOR PROBLEMS
HEP 3B	2/25/2020	FFO	1.72	171.0	TRANSMISSION SYSTEM PROBLEMS OTHER THAN CATASTROPH
HEP ST3	2/11/2020	PFO	4.00	43.0	OTHER MISCELLANEOUS GENERATOR PROBLEMS
HEP ST3	2/25/2020	FFO	3.92	173.0	TRANSMISSION SYSTEM PROBLEMS OTHER THAN CATASTROPH

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ACTUAL UNIT EVENT DATA -- January - March 2020

Hines Power Block 4

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 4A	1/25/2020	FFO	16.85	173.0	GAS TURBINE COMPRESSOR - BLEED VALVES
HEP 4A	3/3/2020	FFO	5.88	173.0	OPERATOR ERROR
HEP 4A	3/3/2020	FFO	2.40	173.0	OPERATOR ERROR
HEP 4A	3/4/2020	FFO	1.48	173.0	OTHER TURBINE INSTRUMENT AND CONTROL PROBLEMS
HEP 4A	3/4/2020	FFO	11.23	173.0	OTHER MISCELLANEOUS BALANCE OF PLANT PROBLEMS
HEP 4A	3/4/2020	FFO	4.13	173.0	OTHER TURBINE INSTRUMENT AND CONTROL PROBLEMS
HEP 4A	3/4/2020	FFO	11.68	173.0	OTHER TURBINE INSTRUMENT AND CONTROL PROBLEMS
HEP 4A	3/22/2020	PFO	3.00	80.0	SERVICE WATER HEAT EXCHANGERS
HEP 4A	3/29/2020	FFO	1.63	173.0	GAS TURBINE CONTROL SYSTEM - LOGIC PROBLEMS
HEP 4B	3/3/2020	FFO	14.60	172.0	OPERATOR ERROR
HEP 4B	3/4/2020	FFO	9.30	172.0	OTHER TURBINE INSTRUMENT AND CONTROL PROBLEMS
HEP 4B	3/4/2020	FFO	22.85	172.0	OTHER TURBINE INSTRUMENT AND CONTROL PROBLEMS
HEP 4B	3/22/2020	PFO	3.00	79.0	SERVICE WATER HEAT EXCHANGERS
HEP ST4	1/25/2020	PFO	16.85	78.0	GAS TURBINE COMPRESSOR - BLEED VALVES
HEP ST4	3/3/2020	FFO	7.77	171.0	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS)
HEP ST4	3/3/2020	FFO	3.13	171.0	OPERATOR ERROR
HEP ST4	3/4/2020	FFO	2.32	171.0	OTHER TURBINE INSTRUMENT AND CONTROL PROBLEMS
HEP ST4	3/4/2020	FFO	7.97	171.0	OTHER MISCELLANEOUS BALANCE OF PLANT PROBLEMS
HEP ST4	3/4/2020	FFO	6.23	171.0	OTHER TURBINE INSTRUMENT AND CONTROL PROBLEMS
HEP ST4	3/4/2020	FFO	12.50	171.0	OTHER TURBINE INSTRUMENT AND CONTROL PROBLEMS
HEP ST4	3/22/2020	PFO	3.00	28.0	SERVICE WATER HEAT EXCHANGERS