



Matthew R. Bernier  
ASSOCIATE GENERAL COUNSEL

April 26, 2019

**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 2019*  
Docket No. 20190001-EI

Dear Mr. Teitzman:

Attached for electronic filing in the above-referenced Docket is Duke Energy Florida, LLC's Performance Data Report for March 2019.

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/cm  
Attachment

cc: Daniel Lee, Division of Engineering, FPSC

CERTIFICATE OF SERVICE

Docket No. 20190001-EI

I HEREBY CERTIFY that a true copy of Performance Data Report for the month of February 2019 has been furnished to the following individuals via e-mail on this 26<sup>th</sup> day of April, 2019.

/s/ Matthew R. Bernier

Attorney

<p>Suzanne Brownless Office of General Counsel FL Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 <a href="mailto:sbrownle@psc.state.fl.us">sbrownle@psc.state.fl.us</a></p> <p>J. Beasley / J. Wahlen / M. Means Ausley McMullen P.O. Box 391 Tallahassee, FL 32302 <a href="mailto:jbeasley@ausley.com">jbeasley@ausley.com</a> <a href="mailto:jwahlen@ausley.com">jwahlen@ausley.com</a> <a href="mailto:mmeans@ausley.com">mmeans@ausley.com</a></p> <p>Steven Griffin Beggs &amp; Lane P.O. Box 12950 Pensacola, FL 32591 <a href="mailto:srg@beggslane.com">srg@beggslane.com</a></p> <p>Russell A. Badders Gulf Power Company One Energy Place Pensacola, FL 32520 <a href="mailto:russell.badders@nexteraenergy.com">russell.badders@nexteraenergy.com</a></p> <p>Holly Henderson Gulf Power Company 215 S. Monroe St., Ste. 618 Tallahassee, FL 32301 <a href="mailto:holly_henderson@nexteraenergy.com">holly_henderson@nexteraenergy.com</a></p> <p>Kenneth A. Hoffman Florida Power &amp; Light Company 134 W. Jefferson Street Tallahassee, FL 32301-1713 <a href="mailto:ken_hoffman@fpl.com">ken_hoffman@fpl.com</a></p> <p>Jon C. Moyle, Jr. Moyle Law Firm, P.A. 118 North Gadsden Street Tallahassee, FL 32301 <a href="mailto:jmoyle@moylelaw.com">jmoyle@moylelaw.com</a> <a href="mailto:mqualls@moylelaw.com">mqualls@moylelaw.com</a></p>	<p>J.R. Kelly / P. Christensen / T. David / S. Morse Office of Public Counsel 111 W. Madison St., Room 812 Tallahassee, FL 32399-1400 <a href="mailto:kelly.jr@leg.state.fl.us">kelly.jr@leg.state.fl.us</a> <a href="mailto:christensen.patty@leg.state.fl.us">christensen.patty@leg.state.fl.us</a> <a href="mailto:david.tad@leg.state.fl.us">david.tad@leg.state.fl.us</a> <a href="mailto:morse.stephanie@leg.state.fl.us">morse.stephanie@leg.state.fl.us</a></p> <p>Ms. Paula K. Brown Regulatory Affairs Tampa Electric Company P.O. Box 111 Tampa, FL 33601-0111 <a href="mailto:regdept@tecoenergy.com">regdept@tecoenergy.com</a></p> <p>Maria Moncada / Joel Baker Florida Power &amp; Light Company 700 Universe Blvd. (LAW/JP) Juno Beach, FL 33408-0420 <a href="mailto:maria_moncada@fpl.com">maria_moncada@fpl.com</a> <a href="mailto:joel.baker@fpl.com">joel.baker@fpl.com</a></p> <p>James Brew / Laura Wynn Stone Law Firm 1025 Thomas Jefferson St., N.W. Suite 800 West Washington, DC 20007 <a href="mailto:jbrew@smxblaw.com">jbrew@smxblaw.com</a> <a href="mailto:law@smxblaw.com">law@smxblaw.com</a></p> <p>Robert Scheffel Wright / John T. LaVia, III c/o Gardner Law Firm 1300 Thomaswood Drive Tallahassee, FL 32308 <a href="mailto:schef@gbwlegal.com">schef@gbwlegal.com</a> <a href="mailto:jlavia@gbwlegal.com">jlavia@gbwlegal.com</a></p> <p>Mike Cassel Florida Public Utilities Company 1750 S. 14<sup>th</sup> Street, Suite 200 Fernandina Beach, FL 32034 <a href="mailto:mcassel@fpuc.com">mcassel@fpuc.com</a></p> <p>Beth Keating Gunster, Yoakley &amp; Stewart, P.A. 215 South Monroe Street, Suite 601 Tallahassee, FL 32301 <a href="mailto:bkeating@gunster.com">bkeating@gunster.com</a></p>
---	---

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2019

Bartow CC	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan - Mar Period
1. EAF	98.52	97.86	62.26										85.83
2. PH	744	672	743										2,159
3. SH	603.9	593.9	485.5										1,683.3
4. RSH	129.0	65.0	8.7										202.8
5. UH	11.0	13.1	248.8										272.9
6. POH	0.0	0.0	0.0										0.0
7. FOH	8.5	13.1	0.0										21.6
8. MOH	2.5	0.0	248.8										251.3
9. PPOH	0.0	0.0	0.0										0.0
10. LR PP (MW)	0.0	0.0	0.0										0.0
11. PFOH	0.0	21.6	0.0										21.6
12. LR PF (MW)	0.0	67.0	0.0										67.0
13. PMOH	0.0	0.0	182.7										182.7
14. LR PM (MW)	0.0	0.0	187.0										187.0
15. NSC (MW)	1080	1080	1080										1080
16. OPER MBTU	3,968,623	3,524,794	2,757,930										10,251,347
17. NET GEN (MWH)	519,987	458,412	365,538										1,343,937
18. ANOHR (BTU/KWH)	7,632.2	7,689.1	7,544.9										7,627.8
19. NOF (%)	79.72	71.47	69.72										73.92
20. NPC (MW)	1080	1080	1080										1080

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2019

CRYSTAL RIVER 4	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan - Mar Period
1. EAF	95.90	98.58	99.85										98.10
2. PH	744	672	743										2,159
3. SH	249.0	85.3	743.0										1,077.3
4. RSH	465.5	582.4	0.0										1,047.9
5. UH	29.6	4.2	0.0										33.8
6. POH	0.0	4.2	0.0										4.2
7. FOH	29.6	0.0	0.0										29.6
8. MOH	0.0	0.0	0.0										0.0
9. PPOH	0.0	6.7	8.5										15.2
10. LR PP (MW)	0.0	93.0	93.0										93.0
11. PFOH	2.2	2.9	0.0										5.1
12. LR PF (MW)	284.4	93.0	0.0										176.2
13. PMOH	0.0	31.0	0.0										31.0
14. LR PM (MW)	0.0	93.0	0.0										93.0
15. NSC (MW)	712	712	712										712
16. OPER MBTU	917,440	391,844	3,216,166										4,525,450
17. NET GEN (MWH)	82,152	31,051	323,578										436,781
18. ANOHR (BTU/KWH)	11,167.6	12,619.4	9,939.4										10,360.9
19. NOF (%)	46.35	51.11	61.17										56.94
20. NPC (MW)	712	712	712										712

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2019

CRYSTAL RIVER 5	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan - Mar Period
1. EAF	99.93	78.57	0.00										58.89
2. PH	744	672	743										2,159
3. SH	547.7	0.0	0.0										547.7
4. RSH	196.3	528.0	0.0										724.3
5. UH	0.0	144.0	743.0										887.0
6. POH	0.0	144.0	743.0										887.0
7. FOH	0.0	0.0	0.0										0.0
8. MOH	0.0	0.0	0.0										0.0
9. PPOH	0.0	0.0	0.0										0.0
10. LR PP (MW)	0.0	0.0	0.0										0.0
11. PFOH	1.0	0.0	0.0										1.0
12. LR PF (MW)	377.0	0.0	0.0										377.0
13. PMOH	0.0	0.0	0.0										0.0
14. LR PM (MW)	0.0	0.0	0.0										0.0
15. NSC (MW)	710	710	710										710
16. OPER MBTU	2,006,569	0	0										2,006,569
17. NET GEN (MWH)	185,022	0	0										185,022
18. ANOHR (BTU/KWH)	10,845.0	0.0	0.0										10,845.0
19. NOF (%)	47.58	0.00	0.00										47.58
20. NPC (MW)	710	710	710										710

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2019

HINES Power Block 1	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan - Mar Period
1. EAF	47.59	89.85	98.58										78.29
2. PH	744	672	743										2,159
3. SH	356.2	588.3	669.0										1,613.5
4. RSH	25.7	17.4	66.4										109.5
5. UH	362.1	66.2	7.6										435.9
6. POH	0.0	0.0	0.0										0.0
7. FOH	6.7	0.0	7.6										14.4
8. MOH	355.4	66.2	0.0										421.6
9. PPOH	0.0	0.0	12.1										12.1
10. LR PP (MW)	0.0	0.0	68.1										68.1
11. PFOH	166.5	12.0	7.3										185.8
12. LR PF (MW)	82.0	82.0	85.1										82.1
13. PMOH	0.0	0.0	0.0										0.0
14. LR PM (MW)	0.0	0.0	0.0										0.0
15. NSC (MW)	490	490	490										490
16. OPER MBTU	872,136	1,738,925	1,939,335										4,550,396
17. NET GEN (MWH)	114,118	234,944	260,779										609,841
18. ANOHR (BTU/KWH)	7,642.4	7,401.4	7,436.7										7,461.6
19. NOF (%)	65.39	81.50	79.55										77.13
20. NPC (MW)	490	490	490										490

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2019

HINES Power Block 2	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan - Mar Period
1. EAF	99.35	99.93	99.06										99.43
2. PH	744	672	743										2,159
3. SH	522.1	594.2	262.4										1,378.7
4. RSH	217.0	77.8	142.3										437.2
5. UH	4.8	0.0	7.0										11.8
6. POH	0.0	0.0	0.0										0.0
7. FOH	4.8	0.0	0.0										4.8
8. MOH	0.0	0.0	7.0										7.0
9. PPOH	0.0	4.5	0.0										4.5
10. LR PP (MW)	0.0	51.1	0.0										51.1
11. PFOH	0.0	0.0	0.0										0.0
12. LR PF (MW)	0.0	0.0	0.0										0.0
13. PMOH	0.0	0.0	0.0										0.0
14. LR PM (MW)	0.0	0.0	0.0										0.0
15. NSC (MW)	512	512	512										512
16. OPER MBTU	1,575,600	1,841,414	767,331										4,184,345
17. NET GEN (MWH)	216,465	250,392	94,594										561,451
18. ANOHR (BTU/KWH)	7,278.8	7,354.1	8,111.8										7,452.7
19. NOF (%)	80.97	82.31	70.40										79.54
20. NPC (MW)	512	512	512										512

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2019

HINES Power Block 3	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan - Mar Period
1. EAF	99.51	100.00	99.99										99.82
2. PH	744	672	743										2,159
3. SH	700.1	638.3	343.6										1,682.1
4. RSH	40.7	33.7	399.4										473.7
5. UH	3.2	0.0	0.0										3.2
6. POH	0.0	0.0	0.0										0.0
7. FOH	3.2	0.0	0.0										3.2
8. MOH	0.0	0.0	0.0										0.0
9. PPOH	0.0	0.0	1.0										1.0
10. LR PP (MW)	0.0	0.0	52.2										52.2
11. PFOH	3.3	0.0	0.0										3.3
12. LR PF (MW)	75.3	0.0	0.0										75.3
13. PMOH	0.0	0.0	0.0										0.0
14. LR PM (MW)	0.0	0.0	0.0										0.0
15. NSC (MW)	516	516	516										516
16. OPER MBTU	2,287,431	1,840,031	1,054,849										5,182,311
17. NET GEN (MWH)	308,437	251,190	147,150										706,777
18. ANOHR (BTU/KWH)	7,416.2	7,325.3	7,168.5										7,332.3
19. NOF (%)	85.38	76.26	82.99										81.43
20. NPC (MW)	516	516	516										516



Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2019

HINES Power Block 4	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan - Mar Period
1. EAF	99.64	99.77	98.79										99.39
2. PH	744	672	743										2,159
3. SH	677.2	637.2	680.2										1,994.6
4. RSH	64.8	33.4	62.8										161.0
5. UH	2.0	1.4	0.0										3.4
6. POH	0.0	0.0	0.0										0.0
7. FOH	2.0	1.4	0.0										3.4
8. MOH	0.0	0.0	0.0										0.0
9. PPOH	5.5	0.0	202.9										208.4
10. LR PP (MW)	64.2	0.0	21.2										22.3
11. PFOH	0.0	0.0	8.5										8.5
12. LR PF (MW)	0.0	0.0	38.7										38.7
13. PMOH	0.0	1.3	0.0										1.3
14. LR PM (MW)	0.0	78.1	0.0										78.1
15. NSC (MW)	516	516	516										516
16. OPER MBTU	2,212,083	1,913,058	2,029,918										6,155,059
17. NET GEN (MWH)	319,434	276,729	292,615										888,778
18. ANOHR (BTU/KWH)	6,925.0	6,913.1	6,937.2										6,925.3
19. NOF (%)	91.42	84.16	83.37										86.36
20. NPC (MW)	516	516	516										516

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - March 2019**

**Bartow CC**

<b>Unit</b>	<b>Date</b>	<b>Outage Type</b>	<b>Hours</b>	<b>MW Affected</b>	<b>Description</b>
BCC 4A	1/19/2019	FMO	14.00	185.0	OTHER CO REDUCTION PROBLEMS
BCC 4A	3/1/2019	FMO	743.00	185.0	MAJOR GAS TURBINE OVERHAUL
BCC 4B	2/11/2019	FFO	74.72	183.0	GAS TURBINE - STARTING SYSTEM (INCLUDING MOTOR)
BCC 4C	3/3/2019	FMO	558.70	187.0	MAJOR GAS TURBINE OVERHAUL
BCC 4D	3/27/2019	FMO	73.15	186.0	GAS TURBINE - EXHAUST SYSTEM CHAMBER
BCC 4S	1/7/2019	FFO	30.10	339.0	CIRCULATING WATER PUMPS
BCC 4S	2/11/2019	PFO	74.72	67.0	GAS TURBINE - STARTING SYSTEM (INCLUDING MOTOR)
BCC 4S	3/3/2019	PMO	558.70	187.0	MAJOR GAS TURBINE OVERHAUL
BCC 4S	3/27/2019	PMO	73.10	187.0	GAS TURBINE - EXHAUST SYSTEM CHAMBER

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - March 2019**

**Crystal River 4**

<b>Date</b>	<b>Outage Type</b>	<b>Hours</b>	<b>MW Affected</b>	<b>Description</b>
1/20/2019	FFO	29.58	712.0	DESUPERHEATER/ATTEMPERATOR CONTROLS (NOT LOCAL CONTROLS)
1/26/2019	PFO	2.23	284.1	CONDENSATE VALVES
2/25/2019	PO	0.13	712.0	FEEDWATER CONTROLS
2/25/2019	PO	4.10	712.0	CONDENSATE/HOTWELL PUMPS
2/26/2019	PMO	27.50	93.0	PULVERIZER MILLS
2/28/2019	PMO	3.50	93.0	PULVERIZED FUEL AND AIR PIPING (PULVERIZER TO WIND BOX)
2/28/2019	PFO	2.90	93.1	PULVERIZED FUEL AND AIR PIPING (PULVERIZER TO WIND BOX)
2/28/2019	PPO	15.17	93.0	PULVERIZER MILLS

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - March 2019**

**Crystal River 5**

<b>Date</b>	<b>Outage Type</b>	<b>Hours</b>	<b>MW Affected</b>	<b>Description</b>
1/11/2019	PFO	1.00	377.0	OTHER PULVERIZER PROBLEMS
2/23/2019	PO	887.00	710.0	BOILER - OTHER INTERNAL AND STRUCTURAL PROBLEMS

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - March 2019**

**Hines Power Block 1**

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 1A	1/1/2019	FMO	95.75	163.0	OTHER EXCITER PROBLEMS
HEP 1A	1/6/2019	FMO	83.48	163.0	LP TURBINE SHAFT SEALS
HEP 1A	2/8/2019	FMO	58.00	163.0	IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 1A	3/3/2019	PPO	10.00	77.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP 1A	3/5/2019	PPO	2.08	73.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP 1A	3/11/2019	FFO	2.98	163.0	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM
HEP 1A	3/25/2019	FFO	0.45	163.0	FEEDWATER CONTROLS
HEP 1B	1/1/2019	FMO	95.75	169.0	OTHER EXCITER PROBLEMS
HEP 1B	1/6/2019	FMO	83.00	169.0	LP TURBINE SHAFT SEALS
HEP 1B	1/9/2019	FFO	20.00	169.0	GAS TURBINE - CONTROLS AND INSTRUMENTS
HEP 1B	1/10/2019	FMO	534.42	169.0	GENERATOR LUBE OIL SYSTEM
HEP 1B	2/8/2019	FMO	42.27	169.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 1B	2/10/2019	FMO	16.73	169.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 1B	3/3/2019	PPO	10.00	83.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP 1B	3/5/2019	PPO	2.08	79.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP 1B	3/31/2019	FFO	19.23	169.0	EMERGENCY GENERATOR TRIP DEVICES
HEP ST1	1/1/2019	FMO	95.75	158.0	OTHER EXCITER PROBLEMS
HEP ST1	1/6/2019	FMO	92.92	158.0	LP TURBINE SHAFT SEALS
HEP ST1	1/10/2019	PFO	525.83	82.0	GENERATOR LUBE OIL SYSTEM
HEP ST1	2/8/2019	PFO	15.73	82.0	IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP ST1	2/8/2019	FMO	42.27	158.0	IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP ST1	2/10/2019	FMO	18.42	158.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP ST1	3/3/2019	PPO	10.00	45.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP ST1	3/5/2019	PPO	2.08	46.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP ST1	3/11/2019	PFO	2.98	79.0	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM
HEP ST1	3/31/2019	PFO	19.23	86.0	EMERGENCY GENERATOR TRIP DEVICES

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - March 2019**

**Hines Power Block 2**

<b>Unit</b>	<b>Date</b>	<b>Outage Type</b>	<b>Hours</b>	<b>MW Affected</b>	<b>Description</b>
HEP 2A	1/1/2019	FFO	4.50	166.3	OTHER MISC. OPERATIONAL ENVIRONMENTAL LIMITS - GAS
HEP 2A	2/8/2019	PPO	4.50	60.3	GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS
HEP 2A	3/2/2019	PO	331.28	166.3	OTHER MISCELLANEOUS BALANCE OF PLANT PROBLEMS
HEP 2A	3/27/2019	FMO	7.00	166.3	OTHER CONDENSING SYSTEM CONTROLS AND INSTRUMENTS
HEP 2B	1/1/2019	FFO	4.53	174.3	OTHER MISC. OPERATIONAL ENVIRONMENTAL LIMITS - GAS
HEP 2B	2/8/2019	PPO	4.50	68.3	GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS
HEP 2B	3/2/2019	PO	331.28	174.3	OTHER MISCELLANEOUS BALANCE OF PLANT PROBLEMS
HEP 2B	3/27/2019	FMO	7.00	174.3	OTHER CONDENSING SYSTEM CONTROLS AND INSTRUMENTS
HEP ST2	1/1/2019	FFO	5.47	171.3	OTHER MISC. OPERATIONAL ENVIRONMENTAL LIMITS - GAS
HEP ST2	2/8/2019	PPO	4.50	25.4	GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS
HEP ST2	3/2/2019	PO	331.28	171.3	OTHER MISCELLANEOUS BALANCE OF PLANT PROBLEMS
HEP ST2	3/27/2019	FMO	7.00	171.3	OTHER CONDENSING SYSTEM CONTROLS AND INSTRUMENTS

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - March 2019**

**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	3/6/2019	PPO	1.00	64.3	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP 3B	1/31/2019	FFO	9.70	173.3	GAS TURBINE - CONTROLS AND INSTRUMENTS
HEP 3B	3/6/2019	PPO	1.00	64.3	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP ST3	1/31/2019	PFO	9.70	75.3	GAS TURBINE - CONTROLS AND INSTRUMENTS
HEP ST3	3/6/2019	PPO	1.00	28.3	OTHER MISCELLANEOUS EXTERNAL PROBLEMS

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - March 2019**

**Hines Power Block 4**

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 4A	1/22/2019	PPO	1.50	75.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP 4A	1/23/2019	PPO	3.00	72.0	DISTRIBUTIVE CONTROL SYSTEM - PROCESS COMPUTER
HEP 4A	1/28/2019	PPO	2.00	70.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP 4A	3/1/2019	PFO	8.50	42.0	CIRCULATING WATER PUMP MOTORS
HEP 4A	3/6/2019	PPO	0.92	76.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP 4B	1/20/2019	FFO	0.08	175.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 4B	1/20/2019	FFO	0.05	175.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 4B	1/20/2019	FFO	5.80	175.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 4B	1/22/2019	PPO	1.50	74.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP 4B	1/28/2019	PPO	2.00	69.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP 4B	2/24/2019	FFO	4.00	175.0	GAS TURBINE - IGNITION SYSTEM
HEP 4B	3/1/2019	PFO	8.50	41.0	CIRCULATING WATER PUMP MOTORS
HEP 4B	3/6/2019	PPO	0.92	76.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP ST4	1/22/2019	PPO	1.50	21.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP ST4	1/23/2019	PPO	3.00	91.0	DISTRIBUTIVE CONTROL SYSTEM - PROCESS COMPUTER
HEP ST4	1/28/2019	PPO	2.00	18.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS
HEP ST4	2/24/2019	PMO	4.00	78.0	GAS TURBINE - IGNITION SYSTEM
HEP ST4	3/1/2019	PFO	8.50	33.0	CIRCULATING WATER PUMP MOTORS
HEP ST4	3/6/2019	PPO	621.75	21.0	OTHER MISCELLANEOUS EXTERNAL PROBLEMS