



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

February 28, 2019

VIA ELECTRONIC FILING

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

Re: *Performance Data Report for January 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 January 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 January 2019 has been furnished to the following individuals via e-mail on this 28th day of February, 2019.

/s/ Matthew R. Bernier

Attorney

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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 - Jan Period
1. EAF	98.50												98.50
2. PH	744												744
3. SH	603.9												603.9
4. RSH	128.9												128.9
5. UH	11.2												11.2
6. POH	0.0												0.0
7. FOH	8.7												8.7
8. MOH	2.5												2.5
9. PPOH	0.0												0.0
10. LR PP (MW)	0.0												0.0
11. PFOH	0.0												0.0
12. LR PF (MW)	0.0												0.0
13. PMOH	0.0												0.0
14. LR PM (MW)	0.0												0.0
15. NSC (MW)	1080												1080
16. OPER MBTU	3,968,623												3,968,623
17. NET GEN (MWH)	519,987												519,987
18. ANOHR (BTU/KWH)	7,632.2												7,632.2
19. NOF (%)	79.72												79.72
20. NPC (MW)	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 - Jan Period
1. EAF	95.90												95.90
2. PH	744												744
3. SH	249.0												249.0
4. RSH	465.5												465.5
5. UH	29.6												29.6
6. POH	0.0												0.0
7. FOH	29.6												29.6
8. MOH	0.0												0.0
9. PPOH	0.0												0.0
10. LR PP (MW)	0.0												0.0
11. PFOH	2.2												2.2
12. LR PF (MW)	284.4												284.4
13. PMOH	0.0												0.0
14. LR PM (MW)	0.0												0.0
15. NSC (MW)	712												712
16. OPER MBTU	917,440												917,440
17. NET GEN (MWH)	82,152												82,152
18. ANOHR (BTU/KWH)	11,167.6												11,167.6
19. NOF (%)	46.35												46.35
20. NPC (MW)	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 - Jan Period
1. EAF	99.93												99.93
2. PH	744												744
3. SH	547.7												547.7
4. RSH	196.3												196.3
5. UH	0.0												0.0
6. POH	0.0												0.0
7. FOH	0.0												0.0
8. MOH	0.0												0.0
9. PPOH	0.0												0.0
10. LR PP (MW)	0.0												0.0
11. PFOH	1.0												1.0
12. LR PF (MW)	377.0												377.0
13. PMOH	0.0												0.0
14. LR PM (MW)	0.0												0.0
15. NSC (MW)	710												710
16. OPER MBTU	2,006,569												2,006,569
17. NET GEN (MWH)	185,022												185,022
18. ANOHR (BTU/KWH)	10,845.0												10,845.0
19. NOF (%)	47.58												47.58
20. NPC (MW)	710												710

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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 - Jan Period
1. EAF	47.59												47.59
2. PH	744												744
3. SH	356.2												356.2
4. RSH	25.7												25.7
5. UH	362.1												362.1
6. POH	0.0												0.0
7. FOH	6.7												6.7
8. MOH	355.4												355.4
9. PPOH	0.0												0.0
10. LR PP (MW)	0.0												0.0
11. PFOH	166.5												166.5
12. LR PF (MW)	82.0												82.0
13. PMOH	0.0												0.0
14. LR PM (MW)	0.0												0.0
15. NSC (MW)	490												490
16. OPER MBTU	872,136												872,136
17. NET GEN (MWH)	114,118												114,118
18. ANOHR (BTU/KWH)	7,642.4												7,642.4
19. NOF (%)	65.39												65.39
20. NPC (MW)	490												490

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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 - Jan Period
1. EAF	99.35												99.35
2. PH	744												744
3. SH	522.1												522.1
4. RSH	217.0												217.0
5. UH	4.8												4.8
6. POH	0.0												0.0
7. FOH	4.8												4.8
8. MOH	0.0												0.0
9. PPOH	0.0												0.0
10. LR PP (MW)	0.0												0.0
11. PFOH	0.0												0.0
12. LR PF (MW)	0.0												0.0
13. PMOH	0.0												0.0
14. LR PM (MW)	0.0												0.0
15. NSC (MW)	512												512
16. OPER MBTU	1,575,600												1,575,600
17. NET GEN (MWH)	216,465												216,465
18. ANOHR (BTU/KWH)	7,278.8												7,278.8
19. NOF (%)	80.97												80.97
20. NPC (MW)	512												512

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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 - Jan Period
1. EAF	99.50												99.50
2. PH	744												744
3. SH	700.1												700.1
4. RSH	40.7												40.7
5. UH	3.2												3.2
6. POH	0.0												0.0
7. FOH	3.2												3.2
8. MOH	0.0												0.0
9. PPOH	0.0												0.0
10. LR PP (MW)	0.0												0.0
11. PFOH	3.3												3.3
12. LR PF (MW)	75.3												75.3
13. PMOH	0.0												0.0
14. LR PM (MW)	0.0												0.0
15. NSC (MW)	516												516
16. OPER MBTU	2,287,431												2,287,431
17. NET GEN (MWH)	308,437												308,437
18. ANOHR (BTU/KWH)	7,416.2												7,416.2
19. NOF (%)	85.38												85.38
20. NPC (MW)	516												516

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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 - Jan Period
1. EAF	99.64												99.64
2. PH	744												744
3. SH	677.2												677.2
4. RSH	64.8												64.8
5. UH	2.0												2.0
6. POH	0.0												0.0
7. FOH	2.0												2.0
8. MOH	0.0												0.0
9. PPOH	5.5												5.5
10. LR PP (MW)	64.2												64.2
11. PFOH	0.0												0.0
12. LR PF (MW)	0.0												0.0
13. PMOH	0.0												0.0
14. LR PM (MW)	0.0												0.0
15. NSC (MW)	516												516
16. OPER MBTU	2,212,083												2,212,083
17. NET GEN (MWH)	319,434												319,434
18. ANOHR (BTU/KWH)	6,925.0												6,925.0
19. NOF (%)	91.42												91.42
20. NPC (MW)	516												516

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ACTUAL UNIT EVENT DATA -- January - January 2019

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4A	1/19/2019	FMO	14.00	185.0	OTHER CO REDUCTION PROBLEMS
BCC 4S	1/7/2019	FFO	30.10	339.0	CIRCULATING WATER PUMPS

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ACTUAL UNIT EVENT DATA -- January - January 2019

Crystal River 4

Date	Outage Type	Hours	MW Affected	Description
1/20/2019	FFO	29.58	712.0	DESUPERHEATER/ATTEMPERATOR CONTROLS (NOT LOCAL CONTROLS)
1/26/2019	PFO	2.23	284.1	CONDENSATE VALVES

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ACTUAL UNIT EVENT DATA -- January - January 2019

Crystal River 5

Date	Outage Type	Hours	MW Affected	Description
1/11/2019	PFO	1.00	377.0	OTHER PULVERIZER PROBLEMS

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ACTUAL UNIT EVENT DATA -- January - January 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 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	513.67	169.0	GENERATOR LUBE OIL SYSTEM
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	505.08	82.0	GENERATOR LUBE OIL SYSTEM

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ACTUAL UNIT EVENT DATA -- January - January 2019

Hines Power Block 2

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 2A	1/1/2019	FFO	4.50	166.3	OTHER MISC. OPERATIONAL ENVIRONMENTAL LIMITS - GAS
HEP 2B	1/1/2019	FFO	4.53	174.3	OTHER MISC. OPERATIONAL ENVIRONMENTAL LIMITS - GAS
HEP ST2	1/1/2019	FFO	5.47	171.3	OTHER MISC. OPERATIONAL ENVIRONMENTAL LIMITS - GAS

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ACTUAL UNIT EVENT DATA -- January - January 2019

Hines Power Block 3

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 3B	1/31/2019	FFO	9.70	173.3	GAS TURBINE - CONTROLS AND INSTRUMENTS
HEP ST3	1/31/2019	PFO	9.70	75.3	GAS TURBINE - CONTROLS AND INSTRUMENTS

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ACTUAL UNIT EVENT DATA -- January - January 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 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 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