



MATTHEW R. BERNIER
SENIOR COUNSEL

February 28, 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 January 2017

Dear Ms. Stauffer:

Attached for filing in the above docket is Duke Energy Florida, LLC's Performance Data Report for January 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 January 2017 has been furnished to the following individuals via e-mail on this 28th day of February , 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 - Jan Period
1. EAF	100.00												100.00
2. PH	744												744
3. SH	677.0												677.0
4. RSH	67.0												67.0
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	56.4												56.4
10. LR PP (MW)	203.1												203.1
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)	1162												1162
16. OPER MBTU	4,539,060												4,539,060
17. NET GEN (MWH)	616,163												616,163
18. ANOHR (BTU/KWH)	7,366.7												7,366.7
19. NOF (%)	78.32												78.32
20. NPC (MW)	1162												1162

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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 - Jan Period
1. EAF	86.49												86.49
2. PH	744												744
3. SH	648.7												648.7
4. RSH	0.0												0.0
5. UH	95.3												95.3
6. POH	0.0												0.0
7. FOH	0.0												0.0
8. MOH	95.3												95.3
9. PPOH	0.0												0.0
10. LR PP (MW)	0.0												0.0
11. PFOH	21.1												21.1
12. LR PF (MW)	155.5												155.5
13. PMOH	4.5												4.5
14. LR PM (MW)	93.0												93.0
15. NSC (MW)	712												712
16. OPER MBTU	3,201,197												3,201,197
17. NET GEN (MWH)	311,345												311,345
18. ANOHR (BTU/KWH)	10,281.8												10,281.8
19. NOF (%)	67.41												67.41
20. NPC (MW)	712												712

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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 - Jan Period
1. EAF	99.76												99.76
2. PH	744												744
3. SH	744.0												744.0
4. RSH	0.0												0.0
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	0.0												0.0
12. LR PF (MW)	0.0												0.0
13. PMOH	13.8												13.8
14. LR PM (MW)	91.0												91.0
15. NSC (MW)	710												710
16. OPER MBTU	3,645,405												3,645,405
17. NET GEN (MWH)	358,248												358,248
18. ANOHR (BTU/KWH)	10,175.6												10,175.6
19. NOF (%)	67.82												67.82
20. NPC (MW)	710												710

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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 - Jan Period
1. EAF	100.00												100.00
2. PH	744												744
3. SH	603.3												603.3
4. RSH	140.7												140.7
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	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)	445												445
16. OPER MBTU	1,613,671												1,613,671
17. NET GEN (MWH)	236,527												236,527
18. ANOHR (BTU/KWH)	6,822.4												6,822.4
19. NOF (%)	88.10												88.10
20. NPC (MW)	445												445

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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 - Jan Period
1. EAF	100.00												100.00
2. PH	744												744
3. SH	646.2												646.2
4. RSH	97.8												97.8
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	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)	477												477
16. OPER MBTU	2,042,538												2,042,538
17. NET GEN (MWH)	277,273												277,273
18. ANOHR (BTU/KWH)	7,366.5												7,366.5
19. NOF (%)	89.96												89.96
20. NPC (MW)	477												477

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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 - Jan Period
1. EAF	97.33												97.33
2. PH	744												744
3. SH	419.3												419.3
4. RSH	304.9												304.9
5. UH	19.9												19.9
6. POH	0.0												0.0
7. FOH	0.1												0.1
8. MOH	19.8												19.8
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)	471												471
16. OPER MBTU	1,378,484												1,378,484
17. NET GEN (MWH)	187,937												187,937
18. ANOHR (BTU/KWH)	7,334.8												7,334.8
19. NOF (%)	95.17												95.17
20. NPC (MW)	471												471

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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 - Jan Period
1. EAF	100.00												100.00
2. PH	744												744
3. SH	627.8												627.8
4. RSH	116.2												116.2
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	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)	454												454
16. OPER MBTU	2,189,339												2,189,339
17. NET GEN (MWH)	302,283												302,283
18. ANOHR (BTU/KWH)	7,242.7												7,242.7
19. NOF (%)	106.06												106.06
20. NPC (MW)	454												454

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ACTUAL UNIT EVENT DATA -- January - January 2017

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
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 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 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

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ACTUAL UNIT EVENT DATA -- January - January 2017

Crystal River 4

Date	Outage Type	Hours	MW Affected	Description
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

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ACTUAL UNIT EVENT DATA -- January - January 2017

Crystal River 5

Date	Outage Type	Hours	MW Affected	Description
1/4/2017	PMO	6.33	91.0	PULVERIZER LUBE OIL SYSTEM
1/12/2017	PMO	7.50	91.0	PULVERIZER MILLS

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ACTUAL UNIT EVENT DATA -- January - January 2017

Hines Power Block 1

Unit	Date	Outage Type	Hours	MW Affected	Description

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ACTUAL UNIT EVENT DATA -- January - January 2017

Hines Power Block 2

Unit	Date	Outage Type	Hours	MW Affected	Description

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ACTUAL UNIT EVENT DATA -- January - January 2017

Hines Power Block 3

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 3A	1/21/2017	FFO	0.25	149.6	FEEDWATER CONTROLS
HEP 3A	1/21/2017	FMO	62.25	149.6	BOILER; MISCELLANEOUS

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ACTUAL UNIT EVENT DATA -- January - January 2017

Hines Power Block 4

Unit	Date	Outage Type	Hours	MW Affected	Description