



DIANNE TRIPLETT
ASSOCIATE GENERAL COUNSEL

March 24, 2015

VIA ELECTRONIC FILING

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

Re: Docket No.: 150001
Performance Data Report for February 2015

Dear Ms. Stauffer:

Enclosed for filing in the above docket is Duke Energy Florida's Performance Data Report for February 2015.

If you have any questions, please do not hesitate to contact me at (727) 820-4692.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dianne Triplett", written in a cursive style.

Dianne Triplett
Associate General Counsel

DT/db
Enclosure

cc: Tom Ballinger, Director of Engineering, FPSC
Parties of Record

Duke Energy Florida, Inc.

CERTIFICATE OF SERVICE

Docket No. 150001-EI

I HEREBY CERTIFY that a true copy of Duke Energy Florida, Inc.'s Performance Data Report for the month of February 2015 have been furnished to the following individuals via e-mail on this 24th day of March, 2015.



Attorney

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Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA – YEAR 2015

Bartow CC	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan - Feb Period
1. EAF	91.68	93.44											92.51
2. PH	744	672											1,416
3. SH	669.9	591.6											1,261.4
4. RSH	12.2	36.4											48.6
5. UH	61.9	44.1											106.0
6. POH	0.0	0.0											0.0
7. FOH	0.0	0.0											0.0
8. MOH	61.9	44.1											106.0
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)	1076	1076											1076
16. OPER MBTU	4,903,737	4,237,148											9,140,885
17. NET GEN (MWH)	670,768	556,814											1,227,582
18. ANOHR (BTU/KWH)	7,310.6	7,609.6											7,446.3
19. NOF (%)	84.50	79.43											82.12
20. NPC (MW)	1076	1076											1076

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA – YEAR 2015

CRYSTAL RIVER 4	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan - Feb Period
1. EAF	90.53	99.17											94.63
2. PH	744	672											1,416
3. SH	674.9	672.0											1,346.9
4. RSH	0.0	0.0											0.0
5. UH	69.1	0.0											69.1
6. POH	0.0	0.0											0.0
7. FOH	0.0	0.0											0.0
8. MOH	69.1	0.0											69.1
9. PPOH	0.0	0.0											0.0
10. LR PP (MW)	0.0	0.0											0.0
11. PFOH	0.0	17.4											17.4
12. LR PF (MW)	0.0	220.6											220.6
13. PMOH	10.5	1.5											12.0
14. LR PM (MW)	93.0	93.2											93.0
15. NSC (MW)	712	712											712
16. OPER MBTU	3,448,203	3,378,381											6,826,584
17. NET GEN (MWH)	332,848	319,716											652,564
18. ANOHR (BTU/KWH)	10,359.7	10,566.8											10,461.2
19. NOF (%)	69.26	66.82											68.05
20. NPC (MW)	712	712											712

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2015

CRYSTAL RIVER 5	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan - Feb Period
1. EAF	100.00	99.64											99.83
2. PH	744	672											1,416
3. SH	75.3	404.0											479.3
4. RSH	668.7	268.0											936.7
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	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	3.7											3.7
14. LR PM (MW)	0.0	471.6											471.6
15. NSC (MW)	710	710											710
16. OPER MBTU	441,979	2,042,258											2,484,237
17. NET GEN (MWH)	43,107	198,635											241,742
18. ANOHR (BTU/KWH)	10,253.1	10,281.5											10,276.4
19. NOF (%)	80.61	69.25											71.03
20. NPC (MW)	710	710											710

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ACTUAL UNIT PERFORMANCE DATA -- YEAR 2015

HINES Power Block 1	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan - Feb Period
1. EAF	99.50	71.61											86.27
2. PH	744	672											1,416
3. SH	737.1	478.5											1,215.6
4. RSH	5.2	2.8											8.0
5. UH	1.6	190.8											192.4
6. POH	0.0	190.8											190.8
7. FOH	0.0	0.0											0.0
8. MOH	1.6	0.0											1.6
9. PPOH	1.8	0.0											1.8
10. LR PP (MW)	66.0	0.0											66.0
11. PFOH	0.0	0.0											0.0
12. LR PF (MW)	0.0	0.0											0.0
13. PMOH	15.3	0.0											15.3
14. LR PM (MW)	72.0	0.0											72.0
15. NSC (MW)	528	528											528
16. OPER MBTU	2,481,873	2,055,799											4,537,672
17. NET GEN (MWH)	338,209	229,988											568,197
18. ANOHR (BTU/KWH)	7,338.3	8,938.7											7,986.1
19. NOF (%)	86.90	91.03											88.53
20. NPC (MW)	528	528											528

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ACTUAL UNIT PERFORMANCE DATA – YEAR 2015

HINES Power Block 2	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan - Feb Period
1. EAF	0.00	0.00											0.00
2. PH	744	672											1,416
3. SH	0.0	0.0											0.0
4. RSH	0.0	0.0											0.0
5. UH	744.0	672.0											1,416.0
6. POH	0.0	0.0											0.0
7. FOH	744.0	672.0											1,416.0
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)	563	563											563
16. OPER MBTU	0	0											0
17. NET GEN (MWH)	0	0											0
18. ANOHR (BTU/KWH)	0.0	0.0											0.0
19. NOF (%)	0.00	0.00											0.00
20. NPC (MW)	563	563											563

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ACTUAL UNIT PERFORMANCE DATA -- YEAR 2015

HINES Power Block 3	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan - Feb Period
1. EAF	97.81	100.00											98.85
2. PH	744	672											1,416
3. SH	686.9	672.0											1,358.9
4. RSH	40.8	0.0											40.8
5. UH	16.3	0.0											16.3
6. POH	0.0	0.0											0.0
7. FOH	16.3	0.0											16.3
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)	564	564											564
16. OPER MBTU	2,343,027	2,143,030											4,486,056
17. NET GEN (MWH)	327,307	336,232											663,539
18. ANOHR (BTU/KWH)	7,158.5	6,373.7											6,760.8
19. NOF (%)	84.48	88.71											86.57
20. NPC (MW)	564	564											564

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ACTUAL UNIT PERFORMANCE DATA -- YEAR 2015

HINES Power Block 4	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan - Feb Period
1. EAF	100.00	100.00											100.00
2. PH	744	672											1,416
3. SH	732.4	639.2											1,371.6
4. RSH	11.6	32.8											44.4
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	3.2	0.0											3.2
10. LR PP (MW)	50.2	0.0											50.2
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)	544	544											544
16. OPER MBTU	2,506,662	1,964,081											4,470,743
17. NET GEN (MWH)	359,310	308,121											667,431
18. ANOHR (BTU/KWH)	6,976.3	6,374.4											6,698.4
19. NOF (%)	90.18	88.61											89.45
20. NPC (MW)	544	544											544

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ACTUAL UNIT EVENT DATA -- January - February 2015

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4A	2/1/2015	FMO	264.80	164.0	HEAT RECOVERY STEAM GENERATOR TO GAS TURBINE CON..
BCC 4A	2/21/2015	FMO	22.27	164.0	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4B	1/16/2015	FMO	384.25	165.0	GAS TURBINE - LUBE OIL SYSTEM - GENERAL
BCC 4S	1/16/2015	FMO	9.23	417.0	TURBINE OVERSPEED TRIP TEST

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ACTUAL UNIT EVENT DATA -- January - February 2015

Crystal River 4

Date	Outage Type	Hours	MW Affected	Description
1/1/2015	PMO	10.50	93.0	PULVERIZED FUEL AND AIR PIPING (PULVERIZER TO WIND BOX)
1/2/2015	FMO	69.08	712.0	PLATEN SUPERHEATER LEAKS
2/3/2015	PFO	3.33	54.9	CIRCULATING WATER PUMP MOTORS
2/20/2015	PFO	7.92	93.0	PULVERIZER FEEDERS
2/24/2015	PMO	1.48	93.1	PULVERIZER MILLS
2/25/2015	PFO	6.17	473.9	PULVERIZER MILLS

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ACTUAL UNIT EVENT DATA -- January - February 2015

Crystal River 5

Date	Outage Type	Hours	MW Affected	Description
2/25/2015	PMO	3.67	472.0	GENERATOR LIQUID COOLING SYSTEM

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ACTUAL UNIT EVENT DATA -- January - February 2015

Hines Power Block 1

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 1A	1/1/2015	PPO	1.80	66.0	INTAKE GRATING FOULING
HEP 1A	2/21/2015	PO	190.75	151.0	GAS TURBINE - HIGH PRESSURE TURBINE SHAFT
HEP 1B	1/1/2015	PPO	1.80	66.0	INTAKE GRATING FOULING
HEP 1B	1/12/2015	FMO	5.00	151.0	OTHER LP STEAM SYSTEM PROBLEMS
HEP 1B	2/21/2015	PO	190.75	151.0	GAS TURBINE - HIGH PRESSURE TURBINE SHAFT
HEP ST1	1/1/2015	PPO	1.80	66.0	INTAKE GRATING FOULING
HEP ST1	1/11/2015	PMO	44.08	72.0	OTHER LOW PRESSURE TURBINE PROBLEMS
HEP ST1	2/21/2015	PO	190.75	160.0	INSPECTION

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ACTUAL UNIT EVENT DATA – January - February 2015

Hines Power Block 2

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 2A	1/1/2015	FFO	1416.00	154.0	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER)
HEP 2B	1/1/2015	FFO	1416.00	154.0	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER)
HEP ST2	1/1/2015	FFO	1416.00	182.0	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER)

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - February 2015

Hines Power Block 3

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 3A	1/20/2015	FFO	6.47	155.0	GENERATOR VOLTAGE SUPPLY SYSTEM
HEP 3A	1/27/2015	FFO	6.75	155.0	GAS TURBINE - CONTROLS AND INSTRUMENTS
HEP 3A	1/28/2015	FFO	5.50	155.0	GAS TURBINE VIBRATION
HEP 3B	1/20/2015	FFO	6.42	155.0	GENERATOR VOLTAGE SUPPLY SYSTEM
HEP 3B	1/27/2015	FFO	2.57	155.0	FEEDWATER PUMP
HEP 3B	1/27/2015	FFO	4.45	155.0	FEEDWATER PUMP
HEP ST3	1/20/2015	FFO	6.45	178.0	GENERATOR VOLTAGE SUPPLY SYSTEM
HEP ST3	1/27/2015	FFO	10.15	178.0	FEEDWATER PUMP

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - February 2015

Hines Power Block 4

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 4A	1/1/2015	PPO	0.95	52.9	INTAKE GRATING FOULING
HEP 4A	1/10/2015	PPO	1.17	48.0	INTAKE GRATING FOULING
HEP 4A	1/22/2015	PPO	1.08	53.0	INTAKE GRATING FOULING
HEP 4B	1/1/2015	PPO	0.95	52.9	INTAKE GRATING FOULING
HEP 4B	1/10/2015	PPO	1.17	48.0	INTAKE GRATING FOULING
HEP 4B	1/22/2015	PPO	1.08	53.0	INTAKE GRATING FOULING
HEP ST4	1/1/2015	PPO	0.93	46.1	INTAKE GRATING FOULING
HEP ST4	1/10/2015	PPO	1.17	52.0	INTAKE GRATING FOULING
HEP ST4	1/22/2015	PPO	1.08	46.0	INTAKE GRATING FOULING