



RECEIVED FPSC  
14 APR - 1 AM 10: 21  
COMMISSION  
CLERK

March 31, 2014

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

Re: Docket No.: 140001  
Performance Data Report for February, 2014

Dear Ms. Stauffer:

Enclosed for filing in the above docket are the original and ten (10) copies of Duke Energy Florida's Performance Data Report for February, 2014.

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

Sincerely,

Dianne Triplett  
Associate General Counsel

COM \_\_\_\_\_  
AFD 5  
APA 1  
ECO 1  
ENG 1  
GCL 1  
IDM 1  
TEL \_\_\_\_\_  
CLK \_\_\_\_\_

DT/emc  
Enclosure

cc: Tom Ballinger  
Director of Engineering  
FPSC  
Parties of Record

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2014

Bartow CC	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan - Feb Period
1. EAF	99.84	98.32											99.12
2. PH	744	672											1,416
3. SH	742.2	660.1											1,402.3
4. RSH	0.8	2.5											3.4
5. UH	1.0	9.4											10.4
6. POH	0.0	0.0											0.0
7. FOH	1.0	9.4											10.4
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	2.2	20.8											23.0
12. LR PF (MW)	109.6	98.0											99.1
13. PMOH	0.0	0.0											0.0
14. LR PM (MW)	0.0	0.0											0.0
15. NSC (MW)	1074	1074											1074
16. OPER MBTU	5,364,255	4,662,389											10,026,644
17. NET GEN (MWH)	748,729	642,025											1,390,754
18. ANOHR (BTU/KWH)	7,164.5	7,262.0											7,209.5
19. NOF (%)	93.93	90.56											92.35
20. NPC (MW)	1074	1074											1074

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2014

CRYSTAL RIVER 4	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan - Feb Period
1. EAF	98.69	58.39											79.56
2. PH	744	672											1,416
3. SH	414.9	401.8											816.6
4. RSH	329.2	0.0											329.2
5. UH	0.0	270.2											270.2
6. POH	0.0	0.0											0.0
7. FOH	0.0	270.2											270.2
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	32.3											32.3
12. LR PF (MW)	0.0	144.4											144.4
13. PMOH	59.8	12.0											71.8
14. LR PM (MW)	116.2	169.3											125.1
15. NSC (MW)	712	712											712
16. OPER MBTU	2,600,473	2,343,253											4,943,726
17. NET GEN (MWH)	250,698	225,525											476,223
18. ANOHR (BTU/KWH)	10,372.9	10,390.2											10,381.1
19. NOF (%)	84.87	78.84											81.90
20. NPC (MW)	712	712											712

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2014

CRYSTAL RIVER 5	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan - Feb Period
1. EAF	100.00	80.05											90.53
2. PH	744	672											1,416
3. SH	623.4	541.1											1,164.5
4. RSH	120.6	0.0											120.6
5. UH	0.0	130.9											130.9
6. POH	0.0	130.9											130.9
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	9.5											9.5
14. LR PM (MW)	0.0	234.0											234.0
15. NSC (MW)	710	710											710
16. OPER MBTU	3,805,652	3,462,031											7,267,682
17. NET GEN (MWH)	389,220	358,201											747,421
18. ANOHR (BTU/KWH)	9,777.6	9,665.1											9,723.7
19. NOF (%)	87.93	93.24											90.40
20. NPC (MW)	710	710											710

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2014

HINES 1	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan - Feb Period
1. EAF	100.00	100.00											100.00
2. PH	744	672											1,416
3. SH	631.5	672.0											1,303.5
4. RSH	112.5	0.0											112.5
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	0.0											0.0
14. LR PM (MW)	0.0	0.0											0.0
15. NSC (MW)	465	465											465
16. OPER MBTU	2,021,754	2,164,212											4,185,966
17. NET GEN (MWH)	288,843	193,857											482,700
18. ANOHR (BTU/KWH)	6,999.5	11,164.0											8,672.0
19. NOF (%)	98.36	62.04											79.64
20. NPC (MW)	465	465											465

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2014

HINES 2	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan - Feb Period
1. EAF	99.60	100.00											99.79
2. PH	744	672											1,416
3. SH	536.5	114.3											650.9
4. RSH	205.2	557.7											762.9
5. UH	2.3	0.0											2.3
6. POH	0.0	0.0											0.0
7. FOH	0.0	0.0											0.0
8. MOH	2.3	0.0											2.3
9. PPOH	0.0	0.0											0.0
10. LR PP (MW)	0.0	0.0											0.0
11. PFOH	2.7	0.0											2.7
12. LR PF (MW)	123.1	0.0											123.1
13. PMOH	0.0	0.0											0.0
14. LR PM (MW)	0.0	0.0											0.0
15. NSC (MW)	490	490											490
16. OPER MBTU	1,695,005	294,120											1,989,125
17. NET GEN (MWH)	221,604	37,816											259,420
18. ANOHR (BTU/KWH)	7,648.8	7,777.7											7,667.6
19. NOF (%)	84.29	67.51											81.34
20. NPC (MW)	490	490											490

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2014

HINES 3	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan - Feb Period
1. EAF	99.55	83.94											92.14
2. PH	744	672											1,416
3. SH	704.5	154.4											858.9
4. RSH	36.2	409.7											445.9
5. UH	3.3	108.0											111.3
6. POH	0.0	0.0											0.0
7. FOH	0.0	106.7											106.7
8. MOH	3.3	1.3											4.6
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)	488	488											488
16. OPER MBTU	2,261,854	401,229											2,663,082
17. NET GEN (MWH)	313,782	51,848											365,630
18. ANOHR (BTU/KWH)	7,208.4	7,738.6											7,283.5
19. NOF (%)	91.27	68.82											87.24
20. NPC (MW)	488	488											488

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2014

HINES 4	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan - Feb Period
1. EAF	97.20	100.00											98.53
2. PH	744	672											1,416
3. SH	558.0	584.9											1,142.9
4. RSH	168.5	87.1											255.6
5. UH	17.5	0.0											17.5
6. POH	0.0	0.0											0.0
7. FOH	11.2	0.0											11.2
8. MOH	6.3	0.0											6.3
9. PPOH	0.0	0.0											0.0
10. LR PP (MW)	0.0	0.0											0.0
11. PFOH	15.4	0.0											15.4
12. LR PF (MW)	80.0	0.0											80.0
13. PMOH	4.0	0.0											4.0
14. LR PM (MW)	80.0	0.0											80.0
15. NSC (MW)	472	472											472
16. OPER MBTU	1,735,706	1,745,274											3,480,980
17. NET GEN (MWH)	243,893	244,798											488,691
18. ANOHR (BTU/KWH)	7,116.7	7,129.4											7,123.1
19. NOF (%)	92.61	88.67											90.59
20. NPC (MW)	472	472											472



Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - February 2014

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4A	2/19/2014	FFO	29.83	173.0	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	1/24/2014	FFO	6.25	172.0	GAS TURBINE CONTROL SYSTEM - HARDWARE PROBLEM
BCC 4C	2/20/2014	FFO	9.93	172.0	GAS TURBINE - FUEL NOZZLES/VANES
BCC 4D	2/8/2014	FFO	4.77	172.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
BCC 4D	2/11/2014	FFO	13.85	172.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
BCC 4S	1/24/2014	PFO	6.25	109.5	GAS TURBINE CONTROL SYSTEM - HARDWARE PROBLEM
BCC 4S	2/8/2014	PFO	4.77	109.5	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
BCC 4S	2/11/2014	PFO	13.85	109.5	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
BCC 4S	2/19/2014	PFO	29.82	109.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4S	2/20/2014	PFO	9.93	42.1	GAS TURBINE - FUEL NOZZLES/VANES

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - February 2014

Crystal River 4

Date	Outage Type	Hours	MW Affected	Description
1/2/2014	PMO	10.75	93.0	PULVERIZER FEEDER MOTOR
1/23/2014	PMO	48.00	112.0	AIR HEATER FOULING (REGENERATIVE)
1/31/2014	PMO	1.00	568.9	GENERATOR LIQUID COOLING SYSTEM
2/1/2014	PMO	8.00	93.0	PULVERIZER INSPECTION
2/9/2014	PFO	8.75	27.0	SOOT BLOWERS - STEAM
2/10/2014	PFO	23.55	188.0	MAIN TRANSFORMER
2/11/2014	PMO	4.00	322.0	CEMS - CERTIFICATION AND RECERTIFICATION
2/12/2014	FFO	229.87	712.0	SECOND SUPERHEATER LEAKS
2/27/2014	FFO	40.35	712.0	SECOND SUPERHEATER LEAKS

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - February 2014

Crystal River 5

Date	Outage Type	Hours	MW Affected	Description
2/5/2014	PMO	9.50	234.0	CEMS - CERTIFICATION AND RECERTIFICATION
2/23/2014	PO	130.90	710.0	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS)

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - February 2014

Hines 1

Unit	Date	Outage Type	Hours	MW Affected	Description

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - February 2014

Hines 2

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 2B	1/15/2014	FFO	7.30	154.0	GAS TURBINE - FUEL PIPING AND VALVES
HEP ST2	1/15/2014	PFO	7.30	123.0	GAS TURBINE - FUEL PIPING AND VALVES

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - February 2014

Hines 3

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 3A	1/29/2014	FFO	1.57	155.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3A	2/10/2014	FMO	51.00	155.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3A	2/26/2014	FFO	0.70	155.0	OTHER FEEDWATER SYSTEM PROBLEMS
HEP 3B	1/29/2014	FFO	2.58	155.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3B	1/29/2014	FFO	1.42	155.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3B	2/10/2014	FMO	51.00	155.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3B	2/12/2014	FMO	175.22	155.0	GAS TURBINE - TURNING GEAR AND MOTOR
HEP 3B	2/25/2014	FFO	0.87	155.0	IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3B	2/25/2014	FFO	0.32	155.0	TURBINE SUPERVISORY SYSTEM
HEP ST3	1/29/2014	FFO	1.05	178.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP ST3	1/29/2014	FFO	3.27	178.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP ST3	2/10/2014	FMO	51.00	178.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP ST3	2/25/2014	FFO	1.90	178.0	IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - February 2014

Hines 4

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 4A	1/7/2014	FFO	18.75	151.0	GAS TURBINE - COOLING WATER SYSTEM
HEP 4A	1/8/2014	FMO	35.00	151.0	ECONOMIZER LEAKS
HEP 4B	1/26/2014	FFO	0.50	151.0	BLADE PATH TEMPERATURE SPREAD
HEP ST4	1/7/2014	PFO	42.75	80.0	GAS TURBINE - COOLING WATER SYSTEM
HEP ST4	1/9/2014	PMO	11.00	80.0	ECONOMIZER LEAKS
HEP ST4	1/26/2014	FFO	0.50	170.0	BLADE PATH TEMPERATURE SPREAD