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COMMISSION  
CLERK

April 22, 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 March, 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 March, 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 - Mar Period
1. EAF	99.84	98.32	88.53										95.47
2. PH	744	672	743										2,159
3. SH	742.2	660.1	647.9										2,050.2
4. RSH	0.8	2.5	21.6										24.9
5. UH	1.0	9.4	73.5										83.9
6. POH	0.0	0.0	19.6										19.6
7. FOH	1.0	9.4	1.1										11.5
8. MOH	0.0	0.0	52.8										52.8
9. PPOH	0.0	0.0	18.1										18.1
10. LR PP (MW)	0.0	0.0	109.5										109.5
11. PFOH	2.2	20.8	2.4										25.4
12. LR PF (MW)	109.6	98.0	198.6										108.5
13. PMOH	0.0	0.0	110.8										110.8
14. LR PM (MW)	0.0	0.0	109.5										109.5
15. NSC (MW)	1074	1074	1074										1074
16. OPER MBTU	5,364,255	4,662,389	4,443,220										14,469,864
17. NET GEN (MWH)	748,729	642,025	607,064										1,997,818
18. ANOHR (BTU/KWH)	7,164.5	7,262.0	7,319.2										7,242.8
19. NOF (%)	93.93	90.56	87.24										90.73
20. NPC (MW)	1074	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 - Mar Period
1. EAF	98.69	58.39	76.49										78.51
2. PH	744	672	743										2,159
3. SH	414.9	401.8	569.8										1,386.5
4. RSH	329.2	0.0	0.0										329.2
5. UH	0.0	270.2	173.2										443.4
6. POH	0.0	0.0	0.0										0.0
7. FOH	0.0	270.2	57.7										327.9
8. MOH	0.0	0.0	115.5										115.5
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	32.3	10.2										42.5
12. LR PF (MW)	0.0	144.4	60.6										124.3
13. PMOH	59.8	12.0	7.0										78.8
14. LR PM (MW)	116.2	169.3	65.0										119.8
15. NSC (MW)	712	712	712										712
16. OPER MBTU	2,600,473	2,343,253	3,476,791										8,420,517
17. NET GEN (MWH)	250,698	225,525	335,143										811,366
18. ANOHR (BTU/KWH)	10,372.9	10,390.2	10,374.1										10,378.2
19. NOF (%)	84.87	78.84	82.61										82.19
20. NPC (MW)	712	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 - Mar Period
1. EAF	100.00	80.05	49.80										76.51
2. PH	744	672	743										2,159
3. SH	623.4	541.1	375.4										1,539.9
4. RSH	120.6	0.0	0.0										120.6
5. UH	0.0	130.9	367.6										498.5
6. POH	0.0	130.9	344.5										475.4
7. FOH	0.0	0.0	23.1										23.1
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	0.0	0.0	6.8										6.8
12. LR PF (MW)	0.0	0.0	567.0										567.0
13. PMOH	0.0	9.5	0.0										9.5
14. LR PM (MW)	0.0	234.0	0.0										234.0
15. NSC (MW)	710	710	710										710
16. OPER MBTU	3,805,652	3,462,031	2,049,803										9,317,485
17. NET GEN (MWH)	389,220	358,201	206,286										953,707
18. ANOHR (BTU/KWH)	9,777.6	9,665.1	9,936.7										9,769.8
19. NOF (%)	87.93	93.24	77.40										87.23
20. NPC (MW)	710	710	710										710

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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 - Mar Period
1. EAF	100.00	100.00	100.00										100.00
2. PH	744	672	743										2,159
3. SH	631.5	672.0	601.0										1,904.5
4. RSH	112.5	0.0	142.0										254.5
5. UH	0.0	0.0	0.0										0.0
6. POH	0.0	0.0	0.0										0.0
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	2.9										2.9
10. LR PP (MW)	0.0	0.0	60.4										60.4
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)	465	465	465										465
16. OPER MBTU	2,021,754	2,164,212	1,971,442										6,157,408
17. NET GEN (MWH)	288,843	292,673	276,429										857,945
18. ANOHR (BTU/KWH)	6,999.5	7,394.6	7,131.8										7,176.9
19. NOF (%)	98.36	93.66	98.92										96.88
20. NPC (MW)	465	465	465										465

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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 - Mar Period
1. EAF	99.60	100.00	100.00										99.86
2. PH	744	672	743										2,159
3. SH	536.5	114.3	629.5										1,280.3
4. RSH	205.2	557.7	113.5										876.4
5. UH	2.3	0.0	0.0										2.3
6. POH	0.0	0.0	0.0										0.0
7. FOH	0.0	0.0	0.0										0.0
8. MOH	2.3	0.0	0.0										2.3
9. PPOH	0.0	0.0	0.0										0.0
10. LR PP (MW)	0.0	0.0	0.0										0.0
11. PFOH	2.7	0.0	0.0										2.7
12. LR PF (MW)	123.1	0.0	0.0										123.1
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	1,695,005	294,120	1,950,580										3,939,705
17. NET GEN (MWH)	221,604	37,816	261,867										521,287
18. ANOHR (BTU/KWH)	7,648.8	7,777.7	7,448.7										7,557.6
19. NOF (%)	84.29	67.51	84.90										83.09
20. NPC (MW)	490	490	490										490

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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 - Mar Period
1. EAF	99.55	83.94	23.24										68.43
2. PH	744	672	743										2,159
3. SH	704.5	154.4	120.0										978.8
4. RSH	36.2	409.7	52.7										498.6
5. UH	3.3	108.0	570.3										681.6
6. POH	0.0	0.0	515.3										515.3
7. FOH	0.0	106.7	55.0										161.7
8. MOH	3.3	1.3	0.0										4.6
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	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)	488	488	488										488
16. OPER MBTU	2,261,854	401,229	351,207										3,014,289
17. NET GEN (MWH)	313,782	51,848	41,099										406,729
18. ANOHR (BTU/KWH)	7,208.4	7,738.6	8,545.4										7,411.1
19. NOF (%)	91.27	68.82	70.20										85.15
20. NPC (MW)	488	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 - Mar Period
1. EAF	97.20	100.00	100.00										99.04
2. PH	744	672	743										2,159
3. SH	558.0	584.9	743.0										1,885.9
4. RSH	168.5	87.1	0.0										255.6
5. UH	17.5	0.0	0.0										17.5
6. POH	0.0	0.0	0.0										0.0
7. FOH	11.2	0.0	0.0										11.2
8. MOH	6.3	0.0	0.0										6.3
9. PPOH	0.0	0.0	0.0										0.0
10. LR PP (MW)	0.0	0.0	0.0										0.0
11. PFOH	15.4	0.0	0.0										15.4
12. LR PF (MW)	80.0	0.0	0.0										80.0
13. PMOH	4.0	0.0	0.0										4.0
14. LR PM (MW)	80.0	0.0	0.0										80.0
15. NSC (MW)	472	472	472										472
16. OPER MBTU	1,735,706	1,745,274	2,390,791										5,871,771
17. NET GEN (MWH)	243,893	244,798	347,288										835,979
18. ANOHR (BTU/KWH)	7,116.7	7,129.4	6,884.2										7,023.8
19. NOF (%)	92.61	88.67	99.03										93.92
20. NPC (MW)	472	472	472										472



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ACTUAL UNIT EVENT DATA -- January - March 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 4A	3/28/2014	PO	72.87	173.0	GAS TURBINE - HOT END INSPECTION
BCC 4B	3/4/2014	FMO	11.15	175.0	4000-7000-VOLT CIRCUIT BREAKERS
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 4C	3/1/2014	FMO	156.40	172.0	GAS TURBINE - BOROSCOPE INSPECTION
BCC 4C	3/8/2014	FFO	6.75	172.0	GAS TURBINE - FUEL PIPING AND VALVES
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 4D	3/8/2014	FMO	161.90	172.0	JET ENGINE - BOROSCOPE INSPECTION
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
BCC 4S	3/1/2014	PMO	156.40	109.5	GAS TURBINE - BOROSCOPE INSPECTION
BCC 4S	3/8/2014	PMO	11.68	109.5	GAS TURBINE - BOROSCOPE INSPECTION
BCC 4S	3/8/2014	PFO	6.75	198.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4S	3/8/2014	PMO	143.47	109.5	GAS TURBINE - BOROSCOPE INSPECTION
BCC 4S	3/28/2014	PPO	50.75	109.5	GAS TURBINE - HOT END INSPECTION
BCC 4S	3/31/2014	PO	22.12	382.0	GENERATOR OUTPUT BREAKER

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ACTUAL UNIT EVENT DATA -- January - March 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	98.05	712.0	SECOND SUPERHEATER LEAKS
3/7/2014	PFO	5.83	93.0	PULVERIZER CONTROL SYSTEMS (TEMP AND PRESSURE)
3/7/2014	PMO	7.02	65.0	CEMS - CERTIFICATION AND RECERTIFICATION
3/17/2014	PFO	4.33	16.9	EXTERNAL SUPERHEATER LINK TUBING LEAKS
3/20/2014	FMO	115.48	712.0	SECOND SUPERHEATER LEAKS

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ACTUAL UNIT EVENT DATA -- January - March 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	475.40	710.0	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS)
3/15/2014	FFO	23.12	710.0	AIR HEATER (REGENERATIVE)
3/18/2014	PFO	6.75	566.9	PRIMARY AIR FAN

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - March 2014

Hines 1

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 1A	3/10/2014	PPO	2.90	67.0	INTAKE GRATING FOULING
HEP 1B	3/10/2014	PPO	2.90	66.0	INTAKE GRATING FOULING
HEP ST1	3/10/2014	PPO	2.90	49.0	INTAKE GRATING FOULING

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ACTUAL UNIT EVENT DATA -- January - March 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 - March 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 3A	3/4/2014	FMO	44.88	155.0	TURBINE TURNING GEAR AND MOTOR
HEP 3A	3/8/2014	PO	513.73	155.0	GENERAL GAS TURBINE UNIT INSPECTION
HEP 3A	3/30/2014	FMO	31.85	155.0	GAS TURBINE - HIGH ENGINE EXHAUST TEMPERATURE
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 3B	3/4/2014	FMO	44.88	155.0	TURBINE TURNING GEAR AND MOTOR
HEP 3B	3/8/2014	PO	514.23	155.0	GENERAL GAS TURBINE UNIT INSPECTION
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
HEP ST3	3/4/2014	FMO	44.88	178.0	TURBINE TURNING GEAR AND MOTOR
HEP ST3	3/8/2014	PO	517.58	178.0	TURBINE - MISCELLANEOUS TURBINE PIPING

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - March 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