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May 28, 2013

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

Re: Docket No.: 130001  
Performance Data Report for April, 2013

Dear Ms. Cole:

Enclosed for filing in the above docket are the original and ten (10) copies of Duke Energy Florida's Performance Data Report for April, 2013.

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

Sincerely,

John Burnett  
Deputy General Counsel

DT/emc  
Enclosure

cc: Tom Ballinger  
Director of Engineering  
FPSC  
Parties of Record

COM  
AFD 7  
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02943 MAY 29 2013  
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Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2013

Bartow CC	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan - Apr Period
1. EAF	97.92	84.48	56.60	93.13									82.92
2. PH	744	672	743	720									2,879
3. SH	612.5	539.2	406.6	632.5									2,190.7
4. RSH	117.6	28.8	18.6	70.7									235.8
5. UH	13.9	104.0	317.8	16.8									452.5
6. POH	0.0	87.0	317.4	0.0									404.4
7. FOH	7.6	16.9	0.4	0.6									25.4
8. MOH	6.3	0.2	0.0	16.2									22.7
9. PPOH	0.0	168.8	58.5	0.0									227.3
10. LR PP (MW)	0.0	156.5	156.5	0.0									156.5
11. PFOH	8.0	1.7	32.3	223.6									265.5
12. LR PF (MW)	214.6	156.3	156.5	157.0									158.7
13. PMOH	0.0	0.0	0.0	0.0									0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0									0.0
15. NSC (MW)	1074	1074	1074	1074									1074
16. OPER MBTU	4,127,193	3,712,463	3,068,324	4,104,517									15,012,497
17. NET GEN (MWH)	563,341	502,626	366,800	560,403									1,993,170
18. ANOHR (BTU/KWH)	7,326.3	7,386.1	8,365.1	7,324.2									7,532.0
19. NOF (%)	85.64	86.80	84.00	82.50									84.71
20. NPC (MW)	1074	1074	1074	1074									1074

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Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2013

CRYSTAL RIVER 4	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan - Apr Period
1. EAF	100.00	99.40	30.07	99.40									81.66
2. PH	744	672	743	720									2,879
3. SH	744.0	669.8	225.5	720.0									2,359.3
4. RSH	0.0	0.0	0.0	0.0									0.0
5. UH	0.0	2.2	517.5	0.0									519.7
6. POH	0.0	0.0	516.8	0.0									516.8
7. FOH	0.0	2.2	0.7	0.0									2.9
8. MOH	0.0	0.0	0.0	0.0									0.0
9. PPOH	0.0	0.0	0.0	0.0									0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0									0.0
11. PFOH	0.0	0.0	16.0	10.8									26.8
12. LR PF (MW)	0.0	0.0	93.0	5.0									57.6
13. PMOH	0.0	30.0	0.0	12.5									42.5
14. LR PM (MW)	0.0	42.8	0.0	241.7									101.3
15. NSC (MW)	712	712	712	712									712
16. OPER MBTU	3,665,173	3,389,230	1,043,604	4,691,727									12,789,735
17. NET GEN (MWH)	351,098	326,307	98,909	441,792									1,218,106
18. ANOHR (BTU/KWH)	10,439.2	10,386.6	10,551.2	10,619.8									10,499.7
19. NOF (%)	66.28	68.43	61.60	86.18									72.51
20. NPC (MW)	712	712	712	712									712

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2013

CRYSTAL RIVER 5	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan - Apr Period
1. EAF	75.56	88.31	86.71	99.73									87.46
2. PH	744	672	743	720									2,879
3. SH	597.6	623.0	645.0	720.0									2,585.6
4. RSH	0.0	0.0	0.0	0.0									0.0
5. UH	146.4	49.0	98.0	0.0									293.4
6. POH	0.0	0.0	0.0	0.0									0.0
7. FOH	146.4	0.0	98.0	0.0									244.4
8. MOH	0.0	49.0	0.0	0.0									49.0
9. PPOH	0.0	0.0	0.0	0.0									0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0									0.0
11. PFOH	48.1	49.9	0.6	19.4									117.9
12. LR PF (MW)	523.9	286.4	79.0	45.7									342.7
13. PMOH	0.0	43.3	2.0	5.5									50.8
14. LR PM (MW)	0.0	155.1	234.0	91.0									151.2
15. NSC (MW)	710	710	710	710									710
16. OPER MBTU	2,595,380	3,126,153	3,988,380	4,364,618									14,074,531
17. NET GEN (MWH)	242,344	300,323	390,822	414,469									1,347,958
18. ANOHR (BTU/KWH)	10,709.5	10,409.3	10,205.1	10,530.6									10,441.4
19. NOF (%)	57.12	67.90	85.34	81.08									73.43
20. NPC (MW)	710	710	710	710									710

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2013

HINES 1	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan - Apr Period
1. EAF	100.00	100.00	100.00	40.53									85.13
2. PH	744	672	743	720									2,879
3. SH	744.0	672.0	743.0	291.8									2,450.8
4. RSH	0.0	0.0	0.0	0.0									0.0
5. UH	0.0	0.0	0.0	428.2									428.2
6. POH	0.0	0.0	0.0	428.2									428.2
7. FOH	0.0	0.0	0.0	0.0									0.0
8. MOH	0.0	0.0	0.0	0.0									0.0
9. PPOH	0.0	0.0	216.0	291.8									507.8
10. LR PP (MW)	0.0	0.0	207.0	207.0									207.0
11. PFOH	0.0	0.0	0.0	0.0									0.0
12. LR PF (MW)	0.0	0.0	0.0	0.0									0.0
13. PMOH	0.0	0.0	0.0	0.0									0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0									0.0
15. NSC (MW)	462	462	462	462									462
16. OPER MBTU	2,402,918	2,210,653	2,097,737	429,245									7,140,553
17. NET GEN (MWH)	333,404	312,259	266,812	53,909									966,384
18. ANOHR (BTU/KWH)	7,207.2	7,079.6	7,862.2	7,962.4									7,388.9
19. NOF (%)	97.00	100.58	77.73	39.99									85.35
20. NPC (MW)	462	462	462	462									462

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ACTUAL UNIT PERFORMANCE DATA -- YEAR 2013

HINES 2	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan - Apr Period
1. EAF	100.00	11.25	96.56	100.00									78.40
2. PH	744	672	743	720									2,879
3. SH	335.8	51.6	717.4	720.0									1,824.9
4. RSH	408.2	24.0	0.0	0.0									432.2
5. UH	0.0	596.4	25.6	0.0									622.0
6. POH	0.0	495.6	0.0	0.0									495.6
7. FOH	0.0	100.8	25.6	0.0									126.4
8. MOH	0.0	0.0	0.0	0.0									0.0
9. PPOH	0.0	0.0	0.0	0.0									0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0									0.0
11. PFOH	0.0	0.0	0.0	0.0									0.0
12. LR PF (MW)	0.0	0.0	0.0	0.0									0.0
13. PMOH	0.0	0.0	0.0	0.0									0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0									0.0
15. NSC (MW)	490	490	490	490									490
16. OPER MBTU	573,429	172,528	1,727,376	2,023,581									4,496,913
17. NET GEN (MWH)	76,912	10,384	251,308	279,001									617,605
18. ANOHR (BTU/KWH)	7,455.6	16,614.8	6,873.5	7,253.0									7,281.2
19. NOF (%)	46.74	41.05	71.49	79.08									69.07
20. NPC (MW)	490	490	490	490									490

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ACTUAL UNIT PERFORMANCE DATA -- YEAR 2013

HINES 3	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan - Apr Period
1. EAF	100.00	100.00	76.90	100.00									94.04
2. PH	744	672	743	720									2,879
3. SH	744.0	672.0	571.4	720.0									2,707.4
4. RSH	0.0	0.0	0.0	0.0									0.0
5. UH	0.0	0.0	171.7	0.0									171.7
6. POH	0.0	0.0	171.7	0.0									171.7
7. FOH	0.0	0.0	0.0	0.0									0.0
8. MOH	0.0	0.0	0.0	0.0									0.0
9. PPOH	0.0	0.0	571.4	176.5									747.8
10. LR PP (MW)	0.0	0.0	228.0	228.0									228.0
11. PFOH	0.0	0.0	0.0	0.0									0.0
12. LR PF (MW)	0.0	0.0	0.0	0.0									0.0
13. PMOH	0.0	0.0	0.0	0.0									0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0									0.0
15. NSC (MW)	488	488	488	488									488
16. OPER MBTU	1,400,404	1,320,380	1,005,540	1,778,298									5,504,622
17. NET GEN (MWH)	187,931	174,079	129,263	243,767									735,040
18. ANOHR (BTU/KWH)	7,451.7	7,584.9	7,779.0	7,295.1									7,488.9
19. NOF (%)	51.76	53.08	46.36	69.38									55.63
20. NPC (MW)	488	488	488	488									488

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2013

HINES 4	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan - Apr Period
1. EAF	100.00	100.00	98.78	100.00									99.68
2. PH	744	672	743	720									2,879
3. SH	744.0	672.0	733.9	720.0									2,869.9
4. RSH	0.0	0.0	0.0	0.0									0.0
5. UH	0.0	0.0	9.1	0.0									9.1
6. POH	0.0	0.0	0.0	0.0									0.0
7. FOH	0.0	0.0	0.0	0.0									0.0
8. MOH	0.0	0.0	9.1	0.0									9.1
9. PPOH	0.0	0.0	0.0	0.0									0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0									0.0
11. PFOH	0.0	0.0	0.0	0.0									0.0
12. LR PF (MW)	0.0	0.0	0.0	0.0									0.0
13. PMOH	0.0	0.0	0.0	0.0									0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0									0.0
15. NSC (MW)	472	472	472	472									472
16. OPER MBTU	1,589,486	1,692,970	2,231,910	1,839,618									7,353,984
17. NET GEN (MWH)	229,724	249,046	334,726	255,052									1,068,548
18. ANOHR (BTU/KWH)	6,919.1	6,797.8	6,667.9	7,212.7									6,882.2
19. NOF (%)	65.42	78.52	96.63	75.05									78.88
20. NPC (MW)	472	472	472	472									472



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ACTUAL UNIT EVENT DATA -- January - April 2013

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4A	1/3/2013	FFO	0.68	176.0	OPERATOR ERROR
BCC 4A	2/8/2013	PO	572.02	176.0	GAS TURBINE - HOT END INSPECTION
BCC 4A	3/4/2013	PO	190.05	176.0	GAS TURBINE CONTROL SYSTEM - UPGRADES
BCC 4B	1/30/2013	FFO	47.28	176.0	HP STARTUP BYPASS SYSTEM VALVES
BCC 4B	2/1/2013	FMO	1.33	176.0	POWER AUGMENTATION SYSTEM EQUIPMENT
BCC 4B	3/4/2013	PO	479.65	176.0	GAS TURBINE - HOT END INSPECTION
BCC 4B	4/26/2013	FMO	99.48	176.0	IP SUPERHEATER
BCC 4C	3/5/2013	PO	174.35	176.0	GAS TURBINE CONTROL SYSTEM - UPGRADES
BCC 4D	1/2/2013	FFO	0.53	176.0	OPERATOR ERROR
BCC 4D	1/31/2013	FFO	1.53	176.0	IP STARTUP BYPASS SYSTEM VALVES
BCC 4D	3/1/2013	FFO	2.38	176.0	GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS
BCC 4D	3/5/2013	PO	161.35	176.0	GAS TURBINE CONTROL SYSTEM - UPGRADES
BCC 4D	4/3/2013	FFO	3.65	176.0	GAS TURBINE - LUBE OIL VALVES/PIPING
BCC 4S	1/2/2013	FMO	17.62	429.0	STEAM TURBINE CONTROL SYSTEM - HARDWARE PROBLEMS
BCC 4S	1/30/2013	PFO	22.50	214.5	HP STARTUP BYPASS SYSTEM VALVES
BCC 4S	2/1/2013	PFO	3.22	156.4	HP STARTUP BYPASS SYSTEM VALVES
BCC 4S	2/1/2013	PFO	1.42	156.5	POWER AUGMENTATION SYSTEM EQUIPMENT
BCC 4S	2/3/2013	FFO	45.90	429.0	TURBINE - OTHER LUBE OIL SYSTEM PROBLEMS
BCC 4S	2/8/2013	PPO	474.67	156.5	GAS TURBINE - HOT END INSPECTION
BCC 4S	2/28/2013	PO	420.83	429.0	OTHER LOW PRESSURE TURBINE PROBLEMS
BCC 4S	3/17/2013	PPO	164.48	156.5	GAS TURBINE - HOT END INSPECTION
BCC 4S	3/28/2013	PFO	155.02	156.5	REHEAT STEAM PIPING UP TO TURBINE STOP VALVES
BCC 4S	4/3/2013	PFO	3.65	245.5	GAS TURBINE - LUBE OIL VALVES/PIPING
BCC 4S	4/3/2013	PFO	450.90	156.5	REHEAT STEAM PIPING UP TO TURBINE STOP VALVES
BCC 4S	4/26/2013	PFO	109.80	156.5	IP SUPERHEATER

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ACTUAL UNIT EVENT DATA -- January - April 2013

Crystal River 4

Date	Outage Type	Hours	MW Affected	Description
2/2/2013	PMO	8.25	65.0	CONTROLS AND INSTRUMENTATION
2/24/2013	FFO	2.23	712.0	CONTROLS AND INSTRUMENTATION
2/26/2013	PMO	15.00	8.0	BOILER SAFETY VALVE TEST
2/27/2013	PMO	6.73	93.0	BOILER SAFETY VALVE TEST
3/2/2013	PO	516.80	712.0	BOILER INSPECTIONS
3/25/2013	FFO	0.67	712.0	START-UP FEEDWATER PUMP
3/27/2013	PFO	16.00	93.0	PRIMARY AIR DUCTS AND DAMPERS
4/3/2013	PMO	6.50	379.0	COAL CONVEYERS AND FEEDERS
4/18/2013	PMO	6.00	93.0	PULVERIZER LUBE OIL SYSTEM
4/19/2013	PFO	10.08	1.0	WET COAL (OMC)
4/27/2013	PFO	0.67	65.1	CONTROLS AND INSTRUMENTATION

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ACTUAL UNIT EVENT DATA – January - April 2013

Crystal River 5

Date	Outage Type	Hours	MW Affected	Description
1/1/2013	PFO	23.00	520.0	CONTROLS AND INSTRUMENTATION
1/2/2013	PFO	3.87	699.9	HEATER LEVEL CONTROL
1/2/2013	FFO	3.50	710.0	HEATER LEVEL CONTROL
1/2/2013	PFO	21.20	496.0	CONTROLS AND INSTRUMENTATION
1/16/2013	FFO	55.68	710.0	FURNACE WALL LEAKS
1/21/2013	FFO	87.22	710.0	CONTROLS AND INSTRUMENTATION
2/4/2013	PFO	8.80	63.0	AIR SUPPLY DAMPERS
2/5/2013	PMO	9.22	63.0	CONTROLS AND INSTRUMENTATION
2/6/2013	PMO	9.80	63.0	CONTROLS AND INSTRUMENTATION
2/7/2013	PFO	9.25	63.0	PULVERIZER FIRES
2/7/2013	PFO	0.83	91.2	PULVERIZER SYSTEM COAL LEAKS (NOT PULVERIZERS)
2/12/2013	PMO	7.92	305.0	CONTROLS AND INSTRUMENTATION
2/13/2013	PMO	7.53	305.0	CONTROLS AND INSTRUMENTATION
2/14/2013	PMO	8.82	91.0	CONTROLS AND INSTRUMENTATION
2/17/2013	PFO	3.77	58.1	PULVERIZER FEEDER MOTOR
2/19/2013	FMO	37.00	710.0	OTHER MAIN STEAM VALVES
2/24/2013	PFO	27.25	472.0	CONTROLS AND INSTRUMENTATION
3/10/2013	PFO	0.60	79.3	CONTROLS AND INSTRUMENTATION
3/12/2013	PMO	2.00	233.9	INVERTERS
3/16/2013	FFO	98.00	710.0	GEN. STATOR WINDINGS; BUSHINGS; AND TERMINALS
4/8/2013	PFO	1.00	90.9	PULVERIZER MILLS
4/9/2013	PFO	1.48	91.0	CONTROLS AND INSTRUMENTATION
4/9/2013	PFO	0.15	89.9	CONTROLS AND INSTRUMENTATION
4/9/2013	PFO	0.25	42.6	CONTROLS AND INSTRUMENTATION
4/18/2013	PMO	5.50	91.0	PULVERIZER FEEDER MOTOR
4/19/2013	PFO	0.50	48.3	PULVERIZER FEEDERS
4/19/2013	PFO	9.87	1.0	WET COAL (OMC)

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - April 2013**

**Crystal River 5**

<b>Date</b>	<b>Outage Type</b>	<b>Hours</b>	<b>MW Affected</b>	<b>Description</b>
4/20/2013	PFO	1.58	91.0	CONTROLS AND INSTRUMENTATION
4/28/2013	PFO	4.52	101.1	CONTROLS AND INSTRUMENTATION

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ACTUAL UNIT EVENT DATA -- January - April 2013

Hines 1

Date	Outage Type	Hours	MW Affected	Description
3/23/2013	PPO	507.80	207.0	MAJOR GAS TURBINE OVERHAUL
4/13/2013	PO	428.20	462.0	MAJOR GAS TURBINE OVERHAUL

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - April 2013**

**Hines 2**

<b>Date</b>	<b>Outage Type</b>	<b>Hours</b>	<b>MW Affected</b>	<b>Description</b>
2/2/2013	PO	495.57	490.0	GAS TURBINE - BOROSCOPE INSPECTION
2/24/2013	FFO	5.07	490.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
2/25/2013	FFO	121.33	490.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS

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ACTUAL UNIT EVENT DATA -- January - April 2013

Hines 3

Date	Outage Type	Hours	MW Affected	Description
3/1/2013	PPO	112.93	228.0	MAJOR GAS TURBINE OVERHAUL
3/5/2013	PO	171.65	488.0	GAS TURBINE - BOROSCOPE INSPECTION
3/12/2013	PPO	634.87	228.0	MAJOR GAS TURBINE OVERHAUL

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ACTUAL UNIT EVENT DATA -- January - April 2013

Hines 4

Date	Outage Type	Hours	MW Affected	Description
3/26/2013	FMO	9.10	472.0	INVERTERS