



DIANNE TRIPLETT  
ASSOCIATE GENERAL COUNSEL

**Via Electronic Filing**

September 26, 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 August, 2014

Dear Ms. Stauffer:

Enclosed for filing in the above docket is Duke Energy Florida's Performance Data Report for August, 2014.

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

Sincerely,

A handwritten signature in blue ink that reads 'Dianne Triplett'.

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. 140001-EI

I HEREBY CERTIFY that a true copy of Duke Energy Florida, Inc.'s Schedules for the month of August, 2014 have been furnished to the following individuals via e-mail on this 26th day of September, 2014.

  
\_\_\_\_\_  
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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 - Aug Period
1. EAF	99.84	98.32	88.53	49.79	41.22	93.19	99.90	98.36					83.56
2. PH	744	672	743	720	744	720	744	744					5,831
3. SH	742.2	660.1	647.9	358.5	306.7	671.9	744.0	734.1					4,865.4
4. RSH	0.8	2.5	21.6	0.0	0.0	0.6	0.0	0.0					25.6
5. UH	1.0	9.4	73.5	361.5	437.3	47.5	0.0	10.0					940.1
6. POH	0.0	0.0	19.6	218.3	61.8	0.0	0.0	0.0					299.8
7. FOH	1.0	9.4	1.1	143.2	375.5	40.9	0.0	7.0					578.0
8. MOH	0.0	0.0	52.8	0.0	0.0	6.6	0.0	2.9					62.3
9. PPOH	0.0	0.0	18.1	25.6	0.0	0.0	0.0	0.0					43.7
10. LR PP (MW)	0.0	0.0	109.5	109.5	0.0	0.0	0.0	0.0					109.5
11. PFOH	2.2	20.8	2.4	0.0	0.0	1.3	5.3	15.4					47.4
12. LR PF (MW)	109.6	98.0	198.6	0.0	0.0	54.8	156.8	109.5					112.8
13. PMOH	0.0	0.0	110.8	0.0	0.0	14.6	0.0	6.5					131.8
14. LR PM (MW)	0.0	0.0	109.5	0.0	0.0	109.5	0.0	109.6					109.5
15. NSC (MW)	1074	1074	1074	1074	1074	1074	1074	1074					1074
16. OPER MBTU	5,364,255	4,662,389	4,443,220	3,075,679	3,265,340	4,892,499	5,343,338	4,844,965					35,891,684
17. NET GEN (MWH)	748,729	642,025	607,064	331,648	287,688	625,196	716,262	719,818					4,678,430
18. ANOHR (BTU/KWH)	7,164.5	7,262.0	7,319.2	9,273.9	11,350.3	7,825.5	7,460.0	6,730.8					7,671.7
19. NOF (%)	93.93	90.56	87.24	86.13	87.34	86.64	89.64	91.30					89.53
20. NPC (MW)	1074	1074	1074	1074	1074	1074	1074	1074					1074

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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 - Aug Period
1. EAF	98.69	58.39	76.49	91.26	83.80	89.86	78.35	92.25					83.89
2. PH	744	672	743	720	744	720	744	744					5,831
3. SH	414.9	401.8	569.8	658.0	627.0	647.0	617.0	686.6					4,622.1
4. RSH	329.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0					329.2
5. UH	0.0	270.2	173.2	62.0	117.0	73.0	127.0	57.4					879.8
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
7. FOH	0.0	270.2	57.7	62.0	0.0	73.0	57.0	57.4					577.3
8. MOH	0.0	0.0	115.5	0.0	117.0	0.0	70.0	0.0					302.4
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2					14.2
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	103.0					103.0
11. PFOH	0.0	32.3	10.2	6.0	13.5	0.0	72.8	2.3					137.1
12. LR PF (MW)	0.0	144.4	60.6	117.1	179.0	0.0	250.3	69.1					195.4
13. PMOH	59.8	12.0	7.0	0.0	0.9	0.0	16.0	0.0					95.7
14. LR PM (MW)	116.2	169.3	65.0	0.0	112.4	0.0	379.0	0.0					163.0
15. NSC (MW)	712	712	712	712	712	712	712	712					712
16. OPER MBTU	2,600,473	2,343,253	3,476,791	4,058,267	3,769,771	4,187,278	3,158,049	4,224,143					27,818,025
17. NET GEN (MWH)	250,698	225,525	335,143	397,938	375,515	380,256	326,445	409,328					2,700,848
18. ANOHR (BTU/KWH)	10,372.9	10,390.2	10,374.1	10,198.2	10,038.9	11,011.7	9,674.1	10,319.7					10,299.7
19. NOF (%)	84.87	78.84	82.61	84.94	84.11	82.55	74.31	83.73					82.07
20. NPC (MW)	712	712	712	712	712	712	712	712					712

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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 - Aug Period
1. EAF	100.00	80.05	49.80	99.37	85.89	84.77	89.81	99.93					86.24
2. PH	744	672	743	720	744	720	744	744					5,831
3. SH	623.4	541.1	375.4	720.0	642.0	613.0	668.2	744.0					4,927.0
4. RSH	120.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0					120.6
5. UH	0.0	130.9	367.6	0.0	102.1	107.0	75.8	0.0					783.4
6. POH	0.0	130.9	344.5	0.0	0.0	0.0	0.0	0.0					475.4
7. FOH	0.0	0.0	23.1	0.0	0.0	0.0	75.8	0.0					99.0
8. MOH	0.0	0.0	0.0	0.0	102.1	107.0	0.0	0.0					209.1
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0					7.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101.0					101.0
11. PFOH	0.0	0.0	6.8	12.9	4.1	2.2	0.0	1.7					27.6
12. LR PF (MW)	0.0	0.0	567.0	91.0	91.0	567.8	0.0	214.6					253.4
13. PMOH	0.0	9.5	0.0	28.7	18.7	7.0	0.0	0.0					63.9
14. LR PM (MW)	0.0	234.0	0.0	72.4	91.0	91.0	0.0	0.0					103.9
15. NSC (MW)	710	710	710	710	710	710	710	710					710
16. OPER MBTU	3,805,652	3,462,031	2,049,803	4,255,527	3,764,543	3,724,765	3,655,714	4,380,496					29,098,530
17. NET GEN (MWH)	389,220	358,201	206,286	433,804	386,498	343,156	384,115	433,830					2,935,110
18. ANOHR (BTU/KWH)	9,777.6	9,665.1	9,936.7	9,809.8	9,740.1	10,854.4	9,517.2	10,097.3					9,913.9
19. NOF (%)	87.93	93.24	77.40	84.86	84.80	78.84	80.97	82.13					83.90
20. NPC (MW)	710	710	710	710	710	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 - Aug Period
1. EAF	100.00	100.00	100.00	100.00	99.20	99.60	95.38	99.79					99.23
2. PH	744	672	743	720	744	720	744	744					5,831
3. SH	631.5	672.0	601.0	202.7	734.2	720.0	702.0	742.7					5,006.2
4. RSH	112.5	0.0	142.0	517.3	3.8	0.0	7.6	0.0					783.1
5. UH	0.0	0.0	0.0	0.0	6.0	0.0	34.4	1.3					41.7
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3					1.3
8. MOH	0.0	0.0	0.0	0.0	6.0	0.0	34.4	0.0					40.4
9. PPOH	0.0	0.0	2.9	0.0	0.0	0.0	0.0	3.8					6.7
10. LR PP (MW)	0.0	0.0	60.4	0.0	0.0	0.0	0.0	62.1					61.4
11. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4					1.4
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86.3					86.3
13. PMOH	0.0	0.0	0.0	0.0	0.0	21.3	0.0	0.0					21.3
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	62.8	0.0	0.0					62.8
15. NSC (MW)	465	465	465	465	465	465	465	465					465
16. OPER MBTU	2,021,754	2,164,212	1,971,442	695,155	2,273,373	2,119,606	2,332,837	2,541,575					16,119,954
17. NET GEN (MWH)	288,843	292,673	276,429	81,914	303,468	284,883	306,916	338,397					2,173,523
18. ANOHR (BTU/KWH)	6,999.5	7,394.6	7,131.8	8,486.4	7,491.3	7,440.3	7,600.9	7,510.6					7,416.5
19. NOF (%)	98.36	93.66	98.92	86.89	88.88	85.09	94.02	97.99					93.37
20. NPC (MW)	465	465	465	465	465	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 - Aug Period
1. EAF	99.60	100.00	100.00	99.99	97.16	98.33	21.38	0.00					76.59
2. PH	744	672	743	720	744	720	744	744					5,831
3. SH	536.5	114.3	629.5	720.0	722.9	691.0	159.1	0.0					3,573.3
4. RSH	205.2	557.7	113.5	0.0	0.0	17.6	0.0	0.0					894.0
5. UH	2.3	0.0	0.0	0.0	21.1	11.4	584.9	744.0					1,363.7
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
7. FOH	2.3	0.0	0.0	0.0	21.1	1.8	584.9	744.0					1,354.2
8. MOH	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0					9.5
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
11. PFOH	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0					2.7
12. LR PF (MW)	123.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0					123.1
13. PMOH	0.0	0.0	0.0	0.9	0.0	6.0	0.0	0.0					7.0
14. LR PM (MW)	0.0	0.0	0.0	51.9	0.0	55.6	0.0	0.0					55.1
15. NSC (MW)	490	490	490	490	490	490	490	490					490
16. OPER MBTU	1,695,005	294,120	1,950,580	2,292,997	2,314,389	2,083,510	471,938	0					11,102,539
17. NET GEN (MWH)	221,604	37,816	261,867	313,969	300,792	279,209	64,295	0					1,479,552
18. ANOHR (BTU/KWH)	7,648.8	7,777.7	7,448.7	7,303.3	7,694.3	7,462.2	7,340.2	0.0					7,504.0
19. NOF (%)	84.29	67.51	84.90	88.99	84.92	82.46	82.48	0.00					84.50
20. NPC (MW)	490	490	490	490	490	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 - Aug Period
1. EAF	99.55	83.94	23.24	100.00	87.21	100.00	80.67	100.00					84.21
2. PH	744	672	743	720	744	720	744	744					5,831
3. SH	704.5	154.4	120.0	715.1	648.0	720.0	598.2	744.0					4,404.1
4. RSH	36.2	409.7	52.7	4.9	3.9	0.0	2.0	0.0					509.5
5. UH	3.3	108.0	570.3	0.0	92.0	0.0	143.8	0.0					917.4
6. POH	0.0	0.0	515.3	0.0	0.0	0.0	0.0	0.0					515.3
7. FOH	3.3	1.3	0.0	0.0	92.0	0.0	0.0	0.0					96.7
8. MOH	0.0	106.7	55.0	0.0	0.0	0.0	143.8	0.0					305.5
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8					1.8
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.5					38.5
11. PFOH	0.0	0.0	0.0	0.0	13.8	0.0	0.0	0.0					13.8
12. LR PF (MW)	0.0	0.0	0.0	0.0	88.0	0.0	0.0	0.0					88.0
13. PMOH	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0					6.5
14. LR PM (MW)	0.0	0.0	0.0	0.0	45.3	0.0	0.0	0.0					45.3
15. NSC (MW)	488	488	488	488	488	488	488	488					488
16. OPER MBTU	2,261,854	401,229	351,207	2,223,381	1,776,020	2,279,277	1,924,516	2,371,146					13,588,629
17. NET GEN (MWH)	313,782	51,848	41,099	313,930	268,278	318,145	273,841	347,536					1,928,459
18. ANOHR (BTU/KWH)	7,208.4	7,738.6	8,545.4	7,082.4	6,620.1	7,164.3	7,027.9	6,822.7					7,046.4
19. NOF (%)	91.27	68.82	70.20	89.96	84.83	90.55	93.81	95.72					89.73
20. NPC (MW)	488	488	488	488	488	488	488	488					488



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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 - Aug Period
1. EAF	97.20	100.00	100.00	99.99	97.19	100.00	100.00	100.00					99.28
2. PH	744	672	743	720	744	720	744	744					5,831
3. SH	558.0	584.9	743.0	720.0	724.0	715.8	737.0	744.0					5,526.7
4. RSH	168.5	87.1	0.0	0.0	0.0	4.2	7.0	0.0					266.8
5. UH	17.5	0.0	0.0	0.0	20.1	0.0	0.0	0.0					37.6
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
7. FOH	6.3	0.0	0.0	0.0	10.0	0.0	0.0	0.0					16.4
8. MOH	11.2	0.0	0.0	0.0	10.0	0.0	0.0	0.0					21.2
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3					2.3
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.6					46.6
11. PFOH	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0					15.4
12. LR PF (MW)	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					80.0
13. PMOH	4.0	0.0	0.0	1.2	8.7	0.0	0.0	0.0					13.8
14. LR PM (MW)	80.0	0.0	0.0	37.8	45.0	0.0	0.0	0.0					54.4
15. NSC (MW)	472	472	472	472	472	472	472	472					472
16. OPER MBTU	1,735,706	1,745,274	2,390,791	2,277,278	2,381,343	2,245,126	2,365,066	2,519,568					17,660,152
17. NET GEN (MWH)	243,893	244,798	347,288	325,845	329,443	316,959	341,992	346,876					2,497,094
18. ANOHR (BTU/KWH)	7,116.7	7,129.4	6,884.2	6,988.8	7,228.4	7,083.3	6,915.6	7,263.6					7,072.3
19. NOF (%)	92.61	88.67	99.03	95.88	96.41	93.82	98.31	98.78					95.73
20. NPC (MW)	472	472	472	472	472	472	472	472					472

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - August 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	496.12	173.0	GAS TURBINE - HOT END INSPECTION
BCC 4A	4/29/2014	FFO	1.77	173.0	PROTECTION DEVICES
BCC 4A	4/30/2014	FFO	135.38	173.0	GAS TURBINE - DIVERTER DAMPERS
BCC 4A	6/12/2014	FMO	40.92	173.0	OTHER GAS TURBINE COMPRESSOR HIGH PRESSURE PROBLEM
BCC 4A	6/30/2014	PFO	1.32	39.5	OTHER CIRCULATING WATER SYSTEM PROBLEMS
BCC 4A	7/27/2014	PFO	3.33	116.5	OTHER CIRCULATING WATER SYSTEM PROBLEMS
BCC 4B	3/4/2014	FMO	11.15	175.0	4000-7000-VOLT CIRCUIT BREAKERS
BCC 4B	4/5/2014	FFO	31.65	175.0	SWITCHYARD SYSTEM PROTECTION DEVICES
BCC 4B	4/17/2014	PO	501.78	175.0	GAS TURBINE - HOT END INSPECTION
BCC 4B	5/17/2014	PO	189.75	175.0	GAS TURBINE - DIVERTER DAMPERS
BCC 4B	5/25/2014	FFO	9.00	175.0	GAS TURBINE - LUBE OIL SYSTEM - GENERAL
BCC 4B	6/30/2014	PFO	1.32	38.5	OTHER CIRCULATING WATER SYSTEM PROBLEMS
BCC 4B	7/27/2014	PFO	3.33	118.5	OTHER CIRCULATING WATER SYSTEM PROBLEMS
BCC 4B	8/26/2014	FFO	11.85	175.0	FIRE PROTECTION SYSTEM INSTRUMENTATION AND CONTROL
BCC 4B	8/26/2014	FFO	31.33	175.0	GAS TURBINE - STARTING SYSTEM (INCLUDING MOTOR)
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 4C	4/5/2014	FFO	10.22	172.0	SWITCHYARD SYSTEM PROTECTION DEVICES
BCC 4C	4/21/2014	FFO	788.62	172.0	GENERATOR OUTPUT BREAKER
BCC 4C	6/5/2014	FFO	0.55	172.0	IP DRUM
BCC 4C	6/30/2014	PFO	1.32	35.5	OTHER CIRCULATING WATER SYSTEM PROBLEMS
BCC 4C	7/27/2014	PFO	3.33	115.5	OTHER CIRCULATING WATER SYSTEM PROBLEMS
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

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - August 2014

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4D	3/8/2014	FMO	161.90	172.0	JET ENGINE - BOROSCOPE INSPECTION
BCC 4D	4/5/2014	FFO	11.17	172.0	SWITCHYARD SYSTEM PROTECTION DEVICES
BCC 4D	4/8/2014	FFO	25.52	172.0	GAS TURBINE - BATTERY AND CHARGER SYSTEM
BCC 4D	4/21/2014	FFO	38.45	172.0	GENERATOR OUTPUT BREAKER
BCC 4D	6/30/2014	PFO	1.32	38.5	OTHER CIRCULATING WATER SYSTEM PROBLEMS
BCC 4D	7/27/2014	PFO	3.33	115.5	OTHER CIRCULATING WATER SYSTEM PROBLEMS
BCC 4D	7/29/2014	PFO	3.87	7.0	GAS TURBINE CONTROL SYSTEM - HARDWARE PROBLEM
BCC 4D	8/30/2014	FMO	18.20	172.0	GAS TURBINE - FUEL PIPING AND VALVES
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	301.27	382.0	GENERATOR OUTPUT BREAKER
BCC 4S	4/17/2014	PPO	72.08	109.5	GAS TURBINE - HOT END INSPECTION
BCC 4S	4/21/2014	FFO	1098.60	382.0	GENERATOR OUTPUT BREAKER
BCC 4S	6/12/2014	PMO	40.92	109.5	OTHER GAS TURBINE COMPRESSOR HIGH PRESSURE PROBLEM
BCC 4S	6/30/2014	PFO	1.32	85.6	OTHER CIRCULATING WATER SYSTEM PROBLEMS
BCC 4S	7/27/2014	PFO	3.33	325.5	OTHER CIRCULATING WATER SYSTEM PROBLEMS
BCC 4S	7/29/2014	PFO	3.87	142.0	GAS TURBINE - CONTROLS AND INSTRUMENTS
BCC 4S	8/26/2014	PFO	11.85	109.5	FIRE PROTECTION SYSTEM INSTRUMENTATION AND CONTROL
BCC 4S	8/26/2014	PFO	31.33	109.5	GAS TURBINE - STARTING SYSTEM (INCLUDING MOTOR)

**Duke Energy Florida**

**ACTUAL UNIT EVENT DATA -- January - August 2014**

**Bartow CC**

<b>Unit</b>	<b>Date</b>	<b>Outage Type</b>	<b>Hours</b>	<b>MW Affected</b>	<b>Description</b>
BCC 4S	8/30/2014	PMO	18.20	109.5	GAS TURBINE - FUEL PIPING AND VALVES

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - August 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
4/1/2014	FFO	61.97	712.0	FURNACE WALL LEAKS
4/16/2014	PFO	0.78	117.3	PULVERIZER FEEDERS
4/17/2014	PFO	5.23	117.0	PULVERIZER FEEDERS
5/2/2014	FMO	68.22	712.0	FIRST SUPERHEATER LEAKS
5/16/2014	PMO	0.93	112.2	MAIN STEAM RELIEF/SAFETY VALVES
5/24/2014	PFO	13.48	179.0	FIRST SUPERHEATER LEAKS
5/25/2014	FMO	48.77	712.0	FIRST SUPERHEATER LEAKS
6/15/2014	FFO	73.00	712.0	FURNACE WALL LEAKS
7/1/2014	PMO	8.00	379.0	PULVERIZER INSPECTION
7/2/2014	PMO	8.00	379.0	PULVERIZER INSPECTION
7/23/2014	FMO	69.98	712.0	OTHER BOILER TUBE LEAKS
7/26/2014	FFO	57.00	712.0	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
7/28/2014	PFO	4.22	292.9	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
7/28/2014	PFO	0.83	235.9	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - August 2014

Crystal River 4

Date	Outage Type	Hours	MW Affected	Description
7/28/2014	PFO	13.37	350.0	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
7/29/2014	PFO	2.05	115.0	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
7/29/2014	PFO	5.52	265.0	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
7/29/2014	PFO	0.45	235.8	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
7/29/2014	PFO	6.07	182.0	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
7/29/2014	PFO	0.98	209.3	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
7/30/2014	PFO	1.67	129.8	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
7/30/2014	PFO	16.57	265.0	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
7/31/2014	PFO	6.40	221.1	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
7/31/2014	PFO	14.65	203.0	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
8/2/2014	FFO	57.42	712.0	AIR HEATER (TUBULAR)
8/4/2014	PFO	2.33	69.0	PULVERIZER FEEDER MOTOR
8/20/2014	PPO	4.63	103.0	HEATER DRAIN PUMPS
8/28/2014	PPO	9.58	103.0	HEATER DRAIN PUMPS

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ACTUAL UNIT EVENT DATA -- January - August 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
4/8/2014	PMO	21.67	91.0	PULVERIZER MILLS
4/18/2014	PFO	12.85	91.0	FLUE GAS EXPANSION JOINTS
4/19/2014	PMO	7.00	15.0	FLUE GAS EXPANSION JOINTS
5/6/2014	PMO	3.22	90.9	PULVERIZER FEEDERS
5/7/2014	PFO	4.10	90.9	PULVERIZER FEEDERS
5/15/2014	FMO	77.25	710.0	FIRST SUPERHEATER LEAKS
5/28/2014	PMO	15.50	91.0	PULVERIZER INSPECTION
5/30/2014	FMO	131.80	710.0	FIRST SUPERHEATER LEAKS
6/19/2014	PMO	7.00	91.0	OTHER PULVERIZER PROBLEMS
6/21/2014	PFO	2.23	567.2	GENERATOR LIQUID COOLING SYSTEM
7/19/2014	FFO	75.83	710.0	FIRST SUPERHEATER LEAKS
8/13/2014	PFO	1.67	215.1	WET COAL (OMC)
8/28/2014	PPO	6.97	101.0	PULVERIZER FEEDERS

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - August 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 1A	5/21/2014	FMO	18.30	151.0	IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 1A	6/7/2014	PMO	1.50	68.0	INTAKE GRATING FOULING
HEP 1A	6/26/2014	PMO	19.75	68.0	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
HEP 1A	7/27/2014	FMO	26.43	151.0	COMBINED CYCLE INSTRUMENTS AND CONTROLS
HEP 1A	8/22/2014	FFO	4.08	151.0	GAS TURBINE - CONTROLS AND INSTRUMENTS
HEP 1A	8/23/2014	PPO	3.75	67.0	INTAKE GRATING FOULING
HEP 1B	3/10/2014	PPO	2.90	66.0	INTAKE GRATING FOULING
HEP 1B	6/7/2014	PMO	1.50	68.0	INTAKE GRATING FOULING
HEP 1B	6/26/2014	PMO	19.75	68.0	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
HEP 1B	7/27/2014	FMO	43.07	151.0	COMBINED CYCLE INSTRUMENTS AND CONTROLS
HEP 1B	8/23/2014	PPO	3.75	68.0	INTAKE GRATING FOULING
HEP ST1	3/10/2014	PPO	2.90	49.0	INTAKE GRATING FOULING
HEP ST1	6/7/2014	PMO	1.50	51.9	INTAKE GRATING FOULING
HEP ST1	6/26/2014	PMO	19.75	53.0	BOILER WATER CONDITION (NOT FEEDWATER WATER QUALITY)
HEP ST1	7/27/2014	FMO	32.82	160.0	COMBINED CYCLE INSTRUMENTS AND CONTROLS
HEP ST1	7/28/2014	FMO	0.83	160.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP ST1	8/22/2014	PFO	4.08	86.0	GAS TURBINE - CONTROLS AND INSTRUMENTS
HEP ST1	8/23/2014	PPO	3.75	52.0	INTAKE GRATING FOULING



Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - August 2014

Hines 2

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 2A	4/28/2014	PMO	0.83	51.0	INTAKE GRATING FOULING
HEP 2A	5/14/2014	FFO	4.52	154.0	BLADE PATH TEMPERATURE SPREAD
HEP 2A	5/24/2014	FFO	15.28	154.0	CONDENSATE PIPING
HEP 2A	6/18/2014	PMO	6.03	53.0	CONDENSER TUBE FOULING TUBE SIDE
HEP 2A	7/7/2014	FFO	1328.92	154.0	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER)
HEP 2B	1/15/2014	FFO	7.30	154.0	GAS TURBINE - FUEL PIPING AND VALVES
HEP 2B	4/28/2014	PMO	1.17	50.9	INTAKE GRATING FOULING
HEP 2B	5/23/2014	FFO	4.05	154.0	GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS
HEP 2B	5/24/2014	FFO	15.28	154.0	CONDENSATE PIPING
HEP 2B	6/16/2014	FMO	30.32	154.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 2B	6/17/2014	FFO	3.50	154.0	CONDENSER LOSS OF VACUUM
HEP 2B	6/18/2014	PMO	6.03	53.0	CONDENSER TUBE FOULING TUBE SIDE
HEP 2B	7/7/2014	FFO	1328.92	154.0	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER)
HEP ST2	1/15/2014	PFO	7.30	123.0	GAS TURBINE - FUEL PIPING AND VALVES
HEP ST2	4/28/2014	PMO	0.83	54.0	INTAKE GRATING FOULING
HEP ST2	5/24/2014	FFO	0.42	182.0	OTHER DC POWER PROBLEMS
HEP ST2	5/24/2014	FFO	23.33	182.0	CONDENSATE PIPING
HEP ST2	6/17/2014	FFO	2.00	182.0	CONDENSER LOSS OF VACUUM
HEP ST2	6/18/2014	PMO	6.03	60.0	CONDENSER TUBE AND WATER BOX CLEANING
HEP ST2	7/7/2014	FFO	1328.92	182.0	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER)

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - August 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 3A	5/8/2014	FFO	1.72	155.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3A	5/8/2014	FFO	80.62	155.0	IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3A	5/12/2014	FFO	8.12	155.0	IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3A	5/28/2014	PMO	6.50	41.0	CONDENSER TUBE FOULING TUBE SIDE
HEP 3A	7/25/2014	FMO	147.98	155.0	INSPECTION
HEP 3A	8/21/2014	PPO	1.75	31.0	INTAKE GRATING FOULING
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 3B	5/3/2014	FFO	4.75	155.0	FEEDWATER PUMP
HEP 3B	5/4/2014	FFO	7.00	155.0	LOW PRESSURE COMPRESSURE BLEED VALVES
HEP 3B	5/8/2014	FFO	1.68	155.0	CONDENSER LOSS OF VACUUM
HEP 3B	5/8/2014	FFO	71.35	155.0	OTHER MISCELLANEOUS STEAM TURBINE PROBLEMS
HEP 3B	5/12/2014	FFO	1.77	155.0	TURBINE - OTHER LUBE OIL SYSTEM PROBLEMS
HEP 3B	5/12/2014	FFO	6.30	155.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 3B	5/28/2014	PMO	6.50	50.0	CONDENSER TUBE FOULING TUBE SIDE

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - August 2014

Hines 3

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 3B	7/25/2014	FMO	137.18	155.0	INSPECTION
HEP 3B	8/21/2014	PPO	1.75	49.0	INTAKE GRATING FOULING
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
HEP ST3	5/3/2014	PFO	6.83	88.0	FEEDWATER PUMP
HEP ST3	5/3/2014	PFO	31.00	88.0	LOW PRESSURE COMPRESSURE BLEED VALVES
HEP ST3	5/8/2014	FFO	82.72	178.0	CONDENSATE SYSTEM CONTROLS AND INSTRUMENTATION
HEP ST3	5/12/2014	FFO	0.98	178.0	TURBINE - OTHER LUBE OIL SYSTEM PROBLEMS
HEP ST3	5/12/2014	FFO	4.73	178.0	TURBINE - OTHER LUBE OIL SYSTEM PROBLEMS
HEP ST3	5/12/2014	FFO	4.25	178.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP ST3	5/28/2014	PMO	6.50	45.0	CONDENSER TUBE FOULING TUBE SIDE
HEP ST3	7/25/2014	FMO	145.92	178.0	INSPECTION
HEP ST3	8/21/2014	PPO	1.75	36.0	INTAKE GRATING FOULING

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ACTUAL UNIT EVENT DATA -- January - August 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 4A	4/27/2014	PMO	1.17	43.0	INTAKE GRATING FOULING
HEP 4A	5/14/2014	FFO	0.13	151.0	OPERATOR ERROR
HEP 4A	5/17/2014	FMO	31.33	151.0	HEAT RECOVERY STEAM GENERATOR TO GAS TURBINE CON..
HEP 4A	5/25/2014	PMO	1.25	46.0	INTAKE GRATING FOULING
HEP 4A	7/16/2014	FFO	10.72	151.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
HEP 4A	8/10/2014	PPO	0.93	53.1	INTAKE GRATING FOULING
HEP 4A	8/22/2014	PPO	1.33	52.0	INTAKE GRATING FOULING
HEP 4B	1/26/2014	FFO	0.50	151.0	BLADE PATH TEMPERATURE SPREAD
HEP 4B	4/27/2014	PMO	1.17	43.0	INTAKE GRATING FOULING
HEP 4B	5/25/2014	PMO	24.57	46.0	INTAKE GRATING FOULING
HEP 4B	6/6/2014	FFO	1.18	151.0	COMPRESSER WASHING
HEP 4B	6/6/2014	FFO	0.75	151.0	IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 4B	6/6/2014	FFO	1.50	151.0	IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 4B	6/6/2014	FFO	1.45	151.0	IP STARTUP BYPASS INSTRUMENTATION AND CONTROLS
HEP 4B	7/16/2014	FFO	11.10	151.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
HEP 4B	8/10/2014	PPO	0.93	53.1	INTAKE GRATING FOULING
HEP 4B	8/22/2014	PPO	1.33	52.0	INTAKE GRATING FOULING
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
HEP ST4	4/27/2014	PMO	1.17	29.0	INTAKE GRATING FOULING
HEP ST4	5/25/2014	PMO	1.25	27.1	INTAKE GRATING FOULING
HEP ST4	8/10/2014	PPO	0.93	36.1	INTAKE GRATING FOULING
HEP ST4	8/22/2014	PPO	1.33	36.0	INTAKE GRATING FOULING