



MATTHEW R. BERNIER
SENIOR COUNSEL

December 19, 2014

VIA ELECTRONIC FILING

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 November 2014

Dear Ms. Stauffer:

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

If you have any questions, please do not hesitate to contact me at (850) 521-1428.

Sincerely,



Matthew R. Bernier
Senior Counsel

MB/db
Enclosure

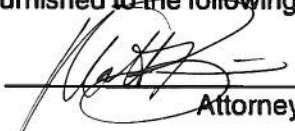
cc: Tom Ballinger, Director of Engineering, FPSC
Parties of Record

Duke Energy Florida, Inc.

CERTIFICATE OF SERVICE

Docket No. 140001-EI

I HEREBY CERTIFY that a true copy of Duke Energy Florida, Inc.'s Performance Data Report for the month of November 2014 have been furnished to the following individuals via e-mail on this 19th day of December, 2014.



Attorney

<p>Martha Barrera, Esq. Office of General Counsel Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 mbarrera@psc.state.fl.us kyoung@psc.state.fl.us kmapp@psc.state.fl.us</p> <p>James D. Beasley, Esq./J. Wahlen, Esq./ A. Daniels, Esq. Ausley & McMullen Law Firm P.O. Box 391 Tallahassee, FL 32302 jbeasley@ausley.com jwahlen@ausley.com adaniels@ausley.com</p> <p>Jeffrey A. Stone, Esq. Russell A. Badders, Esq. Steven R. Griffin Beggs & Lane Law Firm P.O. Box 12950 Pensacola, FL 32591 jas@beggslane.com rab@beggslane.com srg@beggslane.com</p> <p>Jon C. Moyle, Jr., Esq. Moyle Law Firm 118 N. Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com</p> <p>Kenneth Hoffman 215 S. Monroe Street, Suite 810 Tallahassee, FL 32301 Ken.hoffman@fpl.com</p> <p>John T. Butler, Esq. Florida Power & Light Co. 700 Universe Boulevard Juno Beach, FL 33408 John.butler@fpl.com</p>	<p>Ms. Cheryl Martin Florida Public Utilities Company 1641 Worthington Road, Suite 220 West Palm Beach, FL 33409 Cheryl.Martin@fpuc.com</p> <p>Robert Scheffel Wright John T. LaVia, III c/o Gardner Law Firm 1300 Thomaswood Drive Tallahassee, FL 32308 Schef@gbwlegal.com ilavia@gbwlegal.com</p> <p>Robert L. McGee, Jr. Gulf Power Company One Energy Place Pensacola, FL 32520 rlmcgee@southernco.com</p> <p>Beth Keating Gunster Law Firm 215 S. Monroe Street, Suite 605 Tallahassee, FL 32301 bkeating@gunster.com</p> <p>J.R. Kelly/P. Christensen/J. McGlothlin Charles J. Rehwinkel Office of Public Counsel c/o The Florida Legislature 111 W. Madison Street, Room 812 Tallahassee, FL 32393 Christensen.patty@leg.state.fl.us Rehwinkel.charles@leg.state.fl.us</p> <p>James W. Brew/F. Alvin Taylor Brickfield Law Firm 1025 Thomas Jefferson Street NW, 8th Floor Washington, DC 20007 jbrew@bbrslaw.com ataylor@bbrslaw.com</p> <p>Ms. Paula K. Brown Tampa Electric Company P.O. Box 111 Tampa, FL 33601 regdept@tecoenergy.com</p>
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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 - Nov Period
1. EAF	99.84	98.32	88.53	49.79	41.22	93.19	99.90	98.36	98.11	99.15	69.06		85.01
2. PH	744	672	743	720	744	720	744	744	720	744	721		8,016
3. SH	742.2	660.1	647.9	358.5	306.7	671.9	744.0	734.1	709.8	729.5	449.4		6,754.0
4. RSH	0.8	2.5	21.6	0.0	0.0	0.6	0.0	0.0	0.0	9.5	48.6		83.6
5. UH	1.0	9.4	73.5	361.5	437.3	47.5	0.0	10.0	10.2	5.1	223.1		1,178.4
6. POH	0.0	0.0	19.6	218.3	61.8	0.0	0.0	0.0	0.0	0.0	216.7		516.5
7. FOH	1.0	9.4	1.1	143.2	375.5	40.9	0.0	7.0	4.7	5.1	0.0		587.8
8. MOH	0.0	0.0	52.8	0.0	0.0	6.6	0.0	2.9	5.5	0.0	6.3		74.1
9. PPOH	0.0	0.0	18.1	25.6	0.0	0.0	0.0	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	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	52.8	12.3	0.0		112.5
12. LR PF (MW)	109.6	98.0	198.6	0.0	0.0	54.8	156.8	109.5	44.1	107.7	0.0		80.0
13. PMOH	0.0	0.0	110.8	0.0	0.0	14.6	0.0	6.5	12.2	0.0	0.0		144.0
14. LR PM (MW)	0.0	0.0	109.5	0.0	0.0	109.5	0.0	109.6	109.5	0.0	0.0		109.5
15. NSC (MW)	1074	1074	1074	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	5,094,942	5,271,137	3,923,207		50,180,970
17. NET GEN (MWH)	748,729	642,025	607,064	331,648	287,688	625,196	716,262	719,818	689,127	716,946	434,077		6,518,580
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	7,393.3	7,352.2	9,038.0		7,698.1
19. NOF (%)	93.93	90.56	87.24	86.13	87.34	86.64	89.64	91.30	90.40	91.51	89.94		89.86
20. NPC (MW)	1074	1074	1074	1074	1074	1074	1074	1074	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 - Nov Period
1. EAF	98.69	58.39	76.49	91.26	83.80	89.86	78.35	91.98	100.00	97.29	47.10		83.25
2. PH	744	672	743	720	744	720	744	744	720	744	721		8,016
3. SH	414.9	401.8	569.8	658.0	627.0	647.0	617.0	686.6	720.0	738.7	339.8		6,420.6
4. RSH	329.2	0.0	0.0	0.0	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	0.0	5.3	381.2		1,266.3
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	379.8		379.8
7. FOH	0.0	270.2	57.7	62.0	0.0	73.0	57.0	57.4	0.0	5.3	1.4		584.0
8. MOH	0.0	0.0	115.5	0.0	117.0	0.0	70.0	0.0	0.0	0.0	0.0		302.4
9. PPOH	0.0	0.0	0.0	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	0.0	0.0		0.0
11. PFOH	0.0	32.3	10.2	6.0	13.5	0.0	72.8	2.3	0.0	0.0	0.0		137.1
12. LR PF (MW)	0.0	144.4	60.6	117.1	179.0	0.0	250.3	69.1	0.0	0.0	0.0		195.4
13. PMOH	59.8	12.0	7.0	0.0	0.9	0.0	16.0	14.2	0.0	27.9	2.6		140.5
14. LR PM (MW)	116.2	169.3	65.0	0.0	112.4	0.0	379.0	103.0	0.0	379.0	65.1		198.0
15. NSC (MW)	712	712	712	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	4,264,867	4,143,863	1,696,766		37,923,521
17. NET GEN (MWH)	250,698	225,525	335,143	397,938	375,515	380,256	326,445	409,328	415,583	394,889	159,917		3,671,237
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	10,262.4	10,493.7	10,610.3		10,329.9
19. NOF (%)	84.87	78.84	82.61	84.94	84.11	82.55	74.31	83.73	81.07	75.08	66.09		80.31
20. NPC (MW)	712	712	712	712	712	712	712	712	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 - Nov Period
1. EAF	100.00	80.05	49.80	99.37	85.89	84.77	89.81	99.80	88.12	97.77	86.17		87.46
2. PH	744	672	743	720	744	720	744	744	720	744	721		8,016
3. SH	623.4	541.1	375.4	720.0	642.0	613.0	668.2	744.0	638.2	744.0	631.4		6,940.6
4. RSH	120.6	0.0	0.0	0.0	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	81.8	0.0	89.6		954.8
6. POH	0.0	130.9	344.5	0.0	0.0	0.0	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	0.0	0.0	89.6		188.5
8. MOH	0.0	0.0	0.0	0.0	102.1	107.0	0.0	0.0	81.8	0.0	0.0		290.9
9. PPOH	0.0	0.0	0.0	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	0.0	0.0		0.0
11. PFOH	0.0	0.0	6.8	12.9	4.1	2.2	0.0	1.7	3.3	4.3	20.4		55.6
12. LR PF (MW)	0.0	0.0	567.0	91.0	91.0	567.8	0.0	214.6	139.1	63.0	181.6		205.7
13. PMOH	0.0	9.5	0.0	28.7	18.7	7.0	0.0	7.0	15.1	155.7	22.3		264.0
14. LR PM (MW)	0.0	234.0	0.0	72.4	91.0	91.0	0.0	101.0	143.1	73.9	156.8		92.8
15. NSC (MW)	710	710	710	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	3,539,758	3,813,168	3,403,135		39,854,592
17. NET GEN (MWH)	389,220	358,201	206,286	433,804	386,498	343,156	384,115	433,830	338,554	384,288	352,700		4,010,652
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	10,455.5	9,922.7	9,648.8		9,937.2
19. NOF (%)	87.93	93.24	77.40	84.86	84.80	78.84	80.97	82.13	74.72	72.75	78.67		81.39
20. NPC (MW)	710	710	710	710	710	710	710	710	710	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 - Nov Period
1. EAF	100.00	100.00	100.00	100.00	99.20	99.60	95.38	99.79	99.41	94.62	100.00		98.89
2. PH	744	672	743	720	744	720	744	744	720	744	721		8,016
3. SH	631.5	672.0	601.0	202.7	734.2	720.0	702.0	742.7	715.7	691.8	721.0		7,134.7
4. RSH	112.5	0.0	142.0	517.3	3.8	0.0	7.6	0.0	0.0	18.2	0.0		801.4
5. UH	0.0	0.0	0.0	0.0	6.0	0.0	34.4	1.3	4.2	34.0	0.0		79.9
6. POH	0.0	0.0	0.0	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	4.2	34.0	0.0		39.6
8. MOH	0.0	0.0	0.0	0.0	6.0	0.0	34.4	0.0	0.0	0.0	0.0		40.4
9. PPOH	0.0	0.0	2.9	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0		6.7
10. LR PP (MW)	0.0	0.0	60.4	0.0	0.0	0.0	0.0	62.1	0.0	0.0	0.0		61.4
11. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	33.8	0.0		35.3
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86.3	0.0	83.1	0.0		83.3
13. PMOH	0.0	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	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	0.0	0.0	0.0		62.8
15. NSC (MW)	465	465	465	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	2,204,999	2,067,219	2,532,396		22,924,568
17. NET GEN (MWH)	288,843	292,673	276,429	81,914	303,468	284,883	306,916	338,397	321,295	294,243	337,349		3,126,410
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	6,862.8	7,025.6	7,506.8		7,332.6
19. NOF (%)	98.36	93.66	98.92	86.89	88.88	85.09	94.02	97.99	96.54	91.47	100.62		94.24
20. NPC (MW)	465	465	465	465	465	465	465	465	465	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 - Nov Period
1. EAF	99.60	100.00	100.00	99.99	97.16	98.33	21.38	0.00	0.00	0.00	0.00		55.71
2. PH	744	672	743	720	744	720	744	744	720	744	721		8,016
3. SH	536.5	114.3	629.5	720.0	722.9	691.0	159.1	0.0	0.0	0.0	0.0		3,573.3
4. RSH	205.2	557.7	113.5	0.0	0.0	17.6	0.0	0.0	0.0	0.0	0.0		894.0
5. UH	2.3	0.0	0.0	0.0	21.1	11.4	584.9	744.0	720.0	744.0	721.0		3,548.7
6. POH	0.0	0.0	0.0	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	720.0	744.0	721.0		3,539.2
8. MOH	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	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	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	0.0	0.0		0.0
11. PFOH	2.7	0.0	0.0	0.0	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	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	0.0	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	0.0	0.0	0.0		55.1
15. NSC (MW)	490	490	490	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	0	0	0		11,102,539
17. NET GEN (MWH)	221,604	37,816	261,867	313,969	300,792	279,209	64,295	0	0	0	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	0.0	0.0	0.0		7,504.0
19. NOF (%)	84.29	67.51	84.90	88.99	84.92	82.46	82.48	0.00	0.00	0.00	0.00		84.50
20. NPC (MW)	490	490	490	490	490	490	490	490	490	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 - Nov Period
1. EAF	99.55	83.94	23.24	100.00	87.21	100.00	80.67	100.00	77.84	84.71	100.00		85.11
2. PH	744	672	743	720	744	720	744	744	720	744	721		8,016
3. SH	704.5	154.4	120.0	715.1	648.0	720.0	598.2	744.0	560.5	626.4	721.0		6,311.9
4. RSH	36.2	409.7	52.7	4.9	3.9	0.0	2.0	0.0	0.0	4.3	0.0		513.7
5. UH	3.3	108.0	570.3	0.0	92.0	0.0	143.8	0.0	159.5	113.4	0.0		1,190.3
6. POH	0.0	0.0	515.3	0.0	0.0	0.0	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	0.0	10.8	0.0		107.5
8. MOH	0.0	106.7	55.0	0.0	0.0	0.0	143.8	0.0	159.5	102.6	0.0		567.6
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.0	0.0	0.0		2.7
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.5	33.3	0.0	0.0		36.7
11. PFOH	0.0	0.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0	2.2	0.0		16.0
12. LR PF (MW)	0.0	0.0	0.0	0.0	88.0	0.0	0.0	0.0	0.0	88.9	0.0		88.1
13. PMOH	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	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	0.0	0.0	0.0		45.3
15. NSC (MW)	488	488	488	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	2,134,463	2,228,636	2,529,980		20,481,708
17. NET GEN (MWH)	313,782	51,848	41,099	313,930	268,278	318,145	273,841	347,536	263,294	294,000	364,653		2,850,406
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	8,106.8	7,580.4	6,938.0		7,185.5
19. NOF (%)	91.27	68.82	70.20	89.96	84.83	90.55	93.81	95.72	96.27	96.19	103.64		92.54
20. NPC (MW)	488	488	488	488	488	488	488	488	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 - Nov Period
1. EAF	97.20	100.00	100.00	99.99	97.19	100.00	100.00	100.00	95.71	96.42	49.76		94.24
2. PH	744	672	743	720	744	720	744	744	720	744	721		8,016
3. SH	558.0	584.9	743.0	720.0	724.0	715.8	737.0	744.0	694.1	596.0	137.5		6,954.2
4. RSH	168.5	87.1	0.0	0.0	0.0	4.2	7.0	0.0	0.4	148.0	230.7		645.8
5. UH	17.5	0.0	0.0	0.0	20.1	0.0	0.0	0.0	25.5	0.0	352.9		416.0
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	352.9		352.9
7. FOH	6.3	0.0	0.0	0.0	10.0	0.0	0.0	0.0	12.8	0.0	0.0		29.1
8. MOH	11.2	0.0	0.0	0.0	10.0	0.0	0.0	0.0	12.8	0.0	0.0		34.0
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	18.9		21.2
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.6	0.0	0.0	84.0		80.0
11. PFOH	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	147.9	51.8		229.9
12. LR PF (MW)	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.0	84.9	85.0		84.8
13. PMOH	4.0	0.0	0.0	1.2	8.7	0.0	0.0	0.0	14.4	0.0	0.0		28.2
14. LR PM (MW)	80.0	0.0	0.0	37.8	45.0	0.0	0.0	0.0	87.0	0.0	0.0		71.0
15. NSC (MW)	472	472	472	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	2,059,108	1,749,079	349,820		21,818,159
17. NET GEN (MWH)	243,893	244,798	347,288	325,845	329,443	316,959	341,992	346,876	311,602	247,666	48,001		3,104,363
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	6,608.1	7,062.2	7,287.8		7,028.2
19. NOF (%)	92.61	88.67	99.03	95.88	96.41	93.82	98.31	98.78	95.11	88.04	73.98		94.58
20. NPC (MW)	472	472	472	472	472	472	472	472	472	472	472		472

Duke Energy Florida

ACTUAL UNIT EVENT DATA – January - November 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 4A	9/12/2014	PFO	6.88	16.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4A	9/13/2014	PFO	14.80	17.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4A	9/14/2014	PFO	4.35	16.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4A	9/14/2014	PFO	15.08	19.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4A	9/15/2014	PFO	19.37	19.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4A	9/16/2014	PFO	18.30	19.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4A	9/17/2014	PFO	16.58	19.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4A	9/18/2014	PFO	16.75	19.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4A	9/19/2014	FMO	14.02	173.0	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4A	11/11/2014	FMO	39.25	173.0	GAS TURBINE - DIVERter DAMPERS
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 4B	10/20/2014	FFO	7.02	175.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 2014

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4B	10/20/2014	FFO	24.12	175.0	GAS TURBINE - COOLING AND SEAL AIR SYSTEM
BCC 4B	11/30/2014	PO	3.95	175.0	OTHER DISTRIBUTIVE CONTROL SYSTEM PROBLEMS
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 4C	9/13/2014	FFO	29.62	172.0	12-15KV PROTECTION DEVICES
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 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 4D	9/3/2014	PFO	20.00	23.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4D	9/4/2014	PFO	20.08	28.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4D	9/5/2014	PFO	19.42	33.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4D	9/6/2014	PFO	17.67	33.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4D	9/7/2014	PFO	16.62	38.5	GAS TURBINE - FUEL PIPING AND VALVES

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 2014

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4D	9/8/2014	PFO	37.10	40.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4D	9/9/2014	PFO	9.38	53.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4D	9/10/2014	PFO	2.77	53.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4D	9/11/2014	PFO	8.33	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4D	9/11/2014	FMO	20.13	172.0	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4D	10/29/2014	PFO	2.75	58.5	LP DRUM
BCC 4D	11/10/2014	PO	281.18	172.0	GAS TURBINE - BOROSCOPE INSPECTION
BCC 4D	11/30/2014	PO	3.10	172.0	OTHER DISTRIBUTIVE CONTROL SYSTEM PROBLEMS
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 - November 2014

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4S	8/30/2014	PMO	18.20	109.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4S	9/11/2014	PMO	20.13	109.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4S	9/13/2014	PFO	29.62	109.5	12-15KV PROTECTION DEVICES
BCC 4S	9/19/2014	PMO	14.02	109.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4S	10/20/2014	PFO	7.00	109.5	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
BCC 4S	10/20/2014	PFO	24.05	109.5	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
BCC 4S	10/29/2014	PFO	2.32	109.5	FEEDWATER PUMP
BCC 4S	11/11/2014	PO	479.52	382.0	LP TURBINE BUCKETS OR BLADES

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 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 - November 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	PMO	4.63	103.0	HEATER DRAIN PUMPS
8/28/2014	PMO	9.58	103.0	HEATER DRAIN PUMPS
10/16/2014	PMO	12.00	379.0	FEEDWATER BOOSTER PUMP SUCTION SCREENS
10/17/2014	FFO	5.32	712.0	OTHER FEEDWATER PUMP PROBLEMS
10/20/2014	PMO	15.92	379.0	FEEDWATER BOOSTER PUMP SUCTION SCREENS
11/11/2014	PMO	2.63	64.9	CIRCULATING WATER PUMPS
11/12/2014	FFO	1.38	712.0	INDUCED DRAFT FANS
11/15/2014	PO	379.80	712.0	BOILER INSPECTIONS

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 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	PMO	6.97	101.0	PULVERIZER FEEDERS
9/1/2014	PMO	0.50	90.9	CIRCULATING WATER PUMPS
9/2/2014	FMO	81.83	710.0	FURNACE WALL LEAKS
9/20/2014	PFO	3.33	139.1	TURBINE CONTROL VALVES
9/24/2014	PMO	3.98	91.1	CIRCULATING WATER PUMPS
9/24/2014	PMO	5.13	91.0	CIRCULATING WATER PUMPS
9/29/2014	PMO	5.50	234.0	PULVERIZER FEEDER MOTOR
10/6/2014	PMO	6.00	71.9	PULVERIZER INSPECTION
10/6/2014	PMO	8.00	72.0	PULVERIZER INSPECTION
10/8/2014	PMO	3.00	63.0	FORCED DRAFT FAN DRIVES (OTHER THAN MOTOR)
10/8/2014	PMO	2.97	234.0	FORCED DRAFT FAN DRIVES (OTHER THAN MOTOR)

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 2014

Crystal River 5

Date	Outage Type	Hours	MW Affected	Description
10/9/2014	PMO	6.00	233.9	FORCED DRAFT FAN DRIVES (OTHER THAN MOTOR)
10/14/2014	PMO	26.80	63.0	PULVERIZER INSPECTION
10/15/2014	PMO	22.70	63.0	PULVERIZER INSPECTION
10/16/2014	PMO	19.67	63.0	PULVERIZER INSPECTION
10/20/2014	PMO	3.00	63.0	PULVERIZER MILLS
10/21/2014	PMO	5.45	63.1	PULVERIZER INSPECTION
10/21/2014	PMO	10.47	63.0	CIRCULATING WATER PUMPS
10/22/2014	PMO	19.68	63.0	PULVERIZER INSPECTION
10/23/2014	PFO	4.25	63.0	PULVERIZER MOTORS AND DRIVES
10/23/2014	PMO	17.47	63.0	PULVERIZER INSPECTION
10/28/2014	PMO	4.50	71.9	PULVERIZER INSPECTION
11/4/2014	PMO	4.00	72.1	PULVERIZED FUEL AND AIR PIPING (PULVERIZER TO WIND BOX)
11/5/2014	PMO	7.00	234.0	FORCED DRAFT FANS
11/7/2014	PMO	11.27	139.0	FLUE GAS EXPANSION JOINTS
11/10/2014	PFO	8.77	377.0	FLUE GAS EXPANSION JOINTS
11/10/2014	FFO	34.30	710.0	FLUE GAS EXPANSION JOINTS
11/12/2014	PFO	11.60	34.0	INDUCED DRAFT FANS
11/23/2014	FFO	55.27	710.0	FURNACE WALL LEAKS

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 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 1A	9/26/2014	FFO	2.03	151.0	EMERGENCY GENERATOR TRIP DEVICES
HEP 1A	10/12/2014	FFO	3.42	151.0	GAS TURBINE - CONTROLS AND INSTRUMENTS
HEP 1A	10/27/2014	FFO	13.45	151.0	OTHER FEEDWATER SYSTEM PROBLEMS
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 1B	9/26/2014	FFO	6.13	151.0	FEEDWATER REGULATING (BOILER LEVEL CONTROL) VALVE
HEP 1B	10/16/2014	FFO	87.08	151.0	OTHER GENERATOR CONTROLS AND METERING PROBLEMS
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
HEP ST1	9/26/2014	FFO	3.73	160.0	FEEDWATER REGULATING (BOILER LEVEL CONTROL) VALVE
HEP ST1	9/26/2014	FFO	0.32	160.0	TURBINE SUPERVISORY SYSTEM
HEP ST1	9/26/2014	FFO	0.50	160.0	TURBINE SUPERVISORY SYSTEM

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 2014

Hines 1

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP ST1	10/12/2014	PFO	5.25	73.0	GAS TURBINE - CONTROLS AND INSTRUMENTS
HEP ST1	10/16/2014	PFO	89.92	84.0	OTHER GENERATOR CONTROLS AND METERING PROBLEMS
HEP ST1	10/27/2014	PFO	2.55	73.0	OTHER FEEDWATER SYSTEM PROBLEMS

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 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	3513 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	3513 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	3513 92	182 0	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER)

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 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 3A	9/12/2014	PPO	0.97	34.9	INTAKE GRATING FOULING
HEP 3A	9/23/2014	FMO	258.83	155.0	INSPECTION
HEP 3A	10/5/2014	FFO	28.00	155.0	GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS
HEP 3A	10/7/2014	FFO	6.00	155.0	GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS
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

Duke Energy Florida

ACTUAL UNIT EVENT DATA – January - November 2014

Hines 3

Unit	Date	Outage Type	Hours	MW Affected	Description
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
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 3B	9/12/2014	PPO	0.97	29.0	INTAKE GRATING FOULING
HEP 3B	9/24/2014	FMO	240.25	155.0	INSPECTION
HEP 3B	10/5/2014	FMO	18.50	155.0	OTHER INTERMEDIATE PRESSURE TURBINE PROBLEMS
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
HEP ST3	9/12/2014	PPO	0.97	36.1	INTAKE GRATING FOULING
HEP ST3	9/24/2014	FMO	245.92	178.0	INSPECTION
HEP ST3	10/5/2014	FMO	22.00	178.0	OTHER INTERMEDIATE PRESSURE TURBINE PROBLEMS

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 2014

Hines 3

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP ST3	10/7/2014	PFO	6.00	89.0	GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 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 4A	10/15/2014	FFO	16.65	151.0	400-700-VOLT CIRCUIT BREAKERS
HEP 4A	11/6/2014	PO	518.15	151.0	GENERAL GAS TURBINE UNIT INSPECTION
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 4B	9/12/2014	FMO	39.90	151.0	OTHER FEEDWATER SYSTEM PROBLEMS
HEP 4B	9/22/2014	FFO	8.17	151.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
HEP 4B	9/25/2014	FFO	32.92	151.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
HEP 4B	10/14/2014	FFO	1148.23	151.0	GAS TURBINE VIBRATION
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

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 2014

Hines 4

Unit	Date	Outage Type	Hours	MW Affected	Description
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
HEP ST4	9/12/2014	PMO	39.90	87.0	OTHER FEEDWATER SYSTEM PROBLEMS
HEP ST4	9/22/2014	PFO	8.17	87.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
HEP ST4	9/25/2014	PFO	32.92	87.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
HEP ST4	10/14/2014	PFO	21.33	84.0	GAS TURBINE VIBRATION
HEP ST4	10/15/2014	FFO	16.65	170.0	400-700-VOLT CIRCUIT BREAKERS
HEP ST4	10/15/2014	PFO	533.17	85.0	GAS TURBINE VIBRATION
HEP ST4	11/6/2014	PO	519.52	170.0	INSPECTION
HEP ST4	11/28/2014	PPO	52.58	84.0	GAS TURBINE VIBRATION