



DIANNE TRIPLETT  
ASSOCIATE GENERAL COUNSEL

January 20, 2015

**Via Electronic Filing**

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

Re: Docket No.: 150001  
Performance Data Report for December 2014

Dear Ms. Stauffer:

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

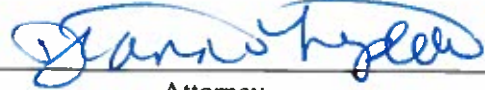
cc: Tom Ballinger, Director of Engineering, FPSC  
Parties of Record

**Duke Energy Florida, Inc.**

**CERTIFICATE OF SERVICE**

Docket No. 150001-EI

I HEREBY CERTIFY that a true copy of Duke Energy Florida, Inc.'s Performance Data Report for the month of December 2014 have been furnished to the following individuals via e-mail on this 20th day of January, 2015.



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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 - Dec 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	51.32	82.15
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	742.2	660.1	647.9	358.5	306.7	671.9	744.0	734.1	709.8	729.5	449.4	285.4	7,039.4
4. RSH	0.8	2.5	21.6	0.0	0.0	0.6	0.0	0.0	0.0	9.5	48.6	96.4	180.0
5. UH	1.0	9.4	73.5	361.5	437.3	47.5	0.0	10.0	10.2	5.1	223.1	362.2	1,540.6
6. POH	0.0	0.0	19.6	218.3	61.8	0.0	0.0	0.0	0.0	0.0	216.7	360.4	876.9
7. FOH	1.0	9.4	1.1	143.2	375.5	40.9	0.0	7.0	4.7	5.1	0.0	1.8	589.6
8. MOH	0.0	0.0	52.8	0.0	0.0	6.6	0.0	2.9	5.5	0.0	6.3	0.0	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	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	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	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	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	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	0.0	109.5
15. NSC (MW)	1074	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	2,855,700	53,036,669
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	281,389	6,799,969
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	10,148.6	7,799.5
19. NOF (%)	93.93	90.56	87.24	86.13	87.34	86.64	89.64	91.30	90.40	91.51	89.94	91.80	89.94
20. NPC (MW)	1074	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 - Dec 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	89.67	83.79
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	414.9	401.8	569.8	658.0	627.0	647.0	617.0	686.6	720.0	738.7	339.8	676.6	7,097.2
4. RSH	329.2	0.0	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	67.4	1,333.7
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	379.8	0.0	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	67.4	651.4
8. MOH	0.0	0.0	115.5	0.0	117.0	0.0	70.0	0.0	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	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	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	6.3	143.3
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	93.0	190.9
13. PMOH	59.8	12.0	7.0	0.0	0.9	0.0	16.0	14.2	0.0	27.9	2.6	20.2	160.6
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	305.1	211.5
15. NSC (MW)	712	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	2,685,017	40,608,537
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	262,632	3,933,869
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	10,223.5	10,322.8
19. NOF (%)	84.87	78.84	82.61	84.94	84.11	82.55	74.31	83.73	81.07	75.08	66.09	54.52	77.85
20. NPC (MW)	712	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 - Dec 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	99.57	88.49
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	623.4	541.1	375.4	720.0	642.0	613.0	668.2	744.0	638.2	744.0	631.4	744.0	7,684.6
4. RSH	120.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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	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	0.0	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	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	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	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	2.3	57.8
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	91.0	201.2
13. PMOH	0.0	9.5	0.0	28.7	18.7	7.0	0.0	7.0	15.1	155.7	22.3	22.7	286.6
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	91.0	92.7
15. NSC (MW)	710	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	4,387,022	44,241,614
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	447,899	4,458,551
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	9,794.7	9,922.9
19. NOF (%)	87.93	93.24	77.40	84.86	84.80	78.84	80.97	82.13	74.72	72.75	78.67	84.79	81.72
20. NPC (MW)	710	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 - Dec 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	100.00	98.98
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	631.5	672.0	601.0	202.7	734.2	720.0	702.0	742.7	715.7	691.8	721.0	744.0	7,878.7
4. RSH	112.5	0.0	142.0	517.3	3.8	0.0	7.6	0.0	0.0	18.2	0.0	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	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	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	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	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	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	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	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	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	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	0.0	62.8
15. NSC (MW)	465	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	2,550,398	25,474,967
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	348,370	3,474,780
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	7,320.9	7,331.4
19. NOF (%)	98.36	93.66	98.92	86.89	88.88	85.09	94.02	97.99	96.54	91.47	100.62	100.70	94.85
20. NPC (MW)	465	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 - Dec 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	0.00	50.98
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	536.5	114.3	629.5	720.0	722.9	691.0	159.1	0.0	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	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	744.0	4,292.7
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	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	744.0	4,283.2
8. MOH	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	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	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	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	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	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	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	0.0	55.1
15. NSC (MW)	490	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	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	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	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	0.00	84.50
20. NPC (MW)	490	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 - Dec 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	100.00	86.37
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	704.5	154.4	120.0	715.1	648.0	720.0	598.2	744.0	560.5	626.4	721.0	545.5	6,857.4
4. RSH	36.2	409.7	52.7	4.9	3.9	0.0	2.0	0.0	0.0	4.3	0.0	198.5	712.3
5. UH	3.3	108.0	570.3	0.0	92.0	0.0	143.8	0.0	159.5	113.4	0.0	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	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	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	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	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	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	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	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	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	0.0	45.3
15. NSC (MW)	488	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	1,978,313	22,460,021
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	268,277	3,118,683
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	7,374.1	7,201.8
19. NOF (%)	91.27	68.82	70.20	89.96	84.83	90.55	93.81	95.72	96.27	96.19	103.64	100.78	93.19
20. NPC (MW)	488	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 - Dec Period
1. EAF	97.20	100.00	100.00	99.99	97.19	100.00	100.00	100.00	95.71	96.42	49.29	84.63	93.39
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	558.0	584.9	743.0	720.0	724.0	715.8	737.0	744.0	694.1	596.0	137.5	543.7	7,497.9
4. RSH	168.5	87.1	0.0	0.0	0.0	4.2	7.0	0.0	0.4	148.0	230.7	96.5	742.3
5. UH	17.5	0.0	0.0	0.0	20.1	0.0	0.0	0.0	25.5	0.0	352.9	103.8	519.8
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	352.9	0.0	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	51.9	81.0
8. MOH	11.2	0.0	0.0	0.0	10.0	0.0	0.0	0.0	12.8	0.0	0.0	51.9	85.9
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.6	0.0	0.0	0.0	0.0	46.6
11. PFOH	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	147.9	70.8	59.4	308.3
12. LR PF (MW)	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.0	84.9	84.7	84.0	84.6
13. PMOH	4.0	0.0	0.0	1.2	8.7	0.0	0.0	0.0	14.4	0.0	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	0.0	71.0
15. NSC (MW)	472	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	1,593,640	23,411,799
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	231,554	3,335,917
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	6,882.4	7,018.1
19. NOF (%)	92.61	88.67	99.03	95.88	96.41	93.82	98.31	98.78	95.11	88.04	73.98	90.23	94.26
20. NPC (MW)	472	472	472	472	472	472	472	472	472	472	472	472	472

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - December 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 4A	12/1/2014	PO	168.80	173.0	OTHER DISTRIBUTIVE CONTROL SYSTEM PROBLEMS
BCC 4A	12/9/2014	FFO	9.88	173.0	OTHER 12-15KV PROBLEMS
BCC 4A	12/30/2014	FFO	1.18	173.0	LP DRUM
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

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - December 2014

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
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
BCC 4B	10/20/2014	FFO	24.12	175.0	GAS TURBINE - COOLING AND SEAL AIR SYSTEM
BCC 4B	11/30/2014	PO	190.32	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 4C	12/1/2014	PO	221.23	172.0	OTHER DISTRIBUTIVE CONTROL 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
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

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - December 2014

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
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
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	232.63	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

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - December 2014

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
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)
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	963.18	382.0	LP TURBINE BUCKETS OR BLADES
BCC 4S	12/24/2014	PO	164.73	382.0	LP TURBINE BUCKETS OR BLADES

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - December 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 - December 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
12/9/2014	PFO	6.28	93.0	AIR SUPPLY DAMPERS
12/12/2014	PMO	11.23	474.0	FEEDWATER PUMP DRIVE - STEAM TURBINE
12/13/2014	PMO	4.20	93.1	PULVERIZED FUEL AND AIR PIPING (PULVERIZER TO WIND BOX)
12/15/2014	FFO	67.42	712.0	FIRST SUPERHEATER LEAKS
12/31/2014	PMO	4.75	92.9	PULVERIZED FUEL AND AIR PIPING (PULVERIZER TO WIND BOX)

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - December 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 - December 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
12/17/2014	PMO	22.68	91.0	PULVERIZER MOTORS AND DRIVES
12/20/2014	PFO	2.25	90.9	PULVERIZER MOTORS AND DRIVES

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - December 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	HP 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 - December 2014**

**Hines 1**

<b>Unit</b>	<b>Date</b>	<b>Outage Type</b>	<b>Hours</b>	<b>MW Affected</b>	<b>Description</b>
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 - December 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	4257.92	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	4257.92	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	4257.92	182.0	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER)

Duke Energy Florida

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

**Hines 3**

<b>Unit</b>	<b>Date</b>	<b>Outage Type</b>	<b>Hours</b>	<b>MW Affected</b>	<b>Description</b>
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 - December 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 4A	12/7/2014	FMO	75.00	151.0	OTHER MAIN STEAM VALVES (INCLUDING VENT AND DRAIN.
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	1593.82	151.0	GAS TURBINE VIBRATION
HEP 4B	12/19/2014	FFO	7.42	151.0	HP STARTUP BYPASS INSTRUMENTATION AND CONTROLS



Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - December 2014

Hines 4

Unit	Date	Outage Type	Hours	MW Affected	Description
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
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	PFO	217.53	84.0	GAS TURBINE VIBRATION
HEP ST4	12/7/2014	FMO	77.45	170.0	OTHER MAIN STEAM VALVES (INCLUDING VENT AND DRAIN.