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December 19, 2013

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

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

Dear Ms. Stauffer:

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

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

Sincerely,

Dianne Triplett  
Associate General Counsel

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AFD	7
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ECO	1
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DT/emc  
Enclosure

cc: Tom Ballinger  
Director of Engineering  
FPSC  
Parties of Record

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2013

Bartow CC	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan - Nov Period
1. EAF	97.92	84.48	56.60	93.13	95.12	99.03	95.48	99.91	97.59	100.00	99.95		92.68
2. PH	744	672	743	720	744	720	744	744	720	744	721		8,016
3. SH	612.5	539.2	406.6	632.5	653.5	690.7	696.7	744.0	670.1	702.6	673.1		7,021.3
4. RSH	117.6	28.8	18.6	70.7	60.5	23.5	14.4	0.0	36.9	41.4	47.6		460.0
5. UH	13.9	104.0	317.8	16.8	30.1	5.9	33.0	0.0	13.0	0.0	0.3		534.7
6. POH	0.0	87.0	317.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		404.4
7. FOH	7.6	16.9	0.4	0.6	3.9	4.1	4.3	0.0	6.2	0.0	0.3		44.1
8. MOH	6.3	0.2	0.0	16.2	26.2	1.8	28.7	0.0	6.8	0.0	0.0		86.2
9. PPOH	0.0	168.8	58.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		227.3
10. LR PP (MW)	0.0	156.5	156.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		156.5
11. PFOH	8.0	1.7	32.3	223.6	8.9	9.0	10.5	45.8	60.3	0.0	0.7		400.6
12. LR PF (MW)	214.6	156.3	156.5	157.0	90.2	99.5	69.3	16.2	77.8	0.0	69.6		124.9
13. PMOH	0.0	0.0	0.0	0.0	57.8	4.0	0.0	0.0	0.0	0.0	0.0		61.8
14. LR PM (MW)	0.0	0.0	0.0	0.0	101.8	67.5	0.0	0.0	0.0	0.0	0.0		99.6
15. NSC (MW)	1074	1074	1074	1074	1074	1074	1074	1074	1074	1074	1074		1074
16. OPER MBTU	4,127,193	3,712,463	3,068,324	4,104,517	4,284,649	4,783,269	4,989,524	5,260,497	4,439,902	4,796,678	4,668,594		48,235,610
17. NET GEN (MWH)	563,341	502,626	366,800	560,403	588,872	654,808	664,060	724,554	602,661	663,492	650,482		6,542,099
18. ANOHR (BTU/KWH)	7,326.3	7,386.1	8,365.1	7,324.2	7,276.0	7,304.8	7,513.7	7,260.3	7,367.2	7,229.4	7,177.1		7,373.1
19. NOF (%)	85.64	86.80	84.00	82.50	83.91	88.28	88.75	90.68	83.74	87.92	89.99		86.75
20. NPC (MW)	1074	1074	1074	1074	1074	1074	1074	1074	1074	1074	1074		1074

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2013

CRYSTAL RIVER 4	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan - Nov Period
1. EAF	100.00	99.40	30.07	99.40	73.17	69.97	80.26	96.83	99.27	99.57	96.78		85.71
2. PH	744	672	743	720	744	720	744	744	720	744	721		8,016
3. SH	744.0	669.8	225.5	720.0	545.0	503.8	597.3	744.0	720.0	744.0	721.0		6,934.4
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
5. UH	0.0	2.2	517.5	0.0	199.0	216.2	146.7	0.0	0.0	0.0	0.0		1,081.6
6. POH	0.0	0.0	516.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		516.8
7. FOH	0.0	2.2	0.7	0.0	38.3	0.0	0.0	0.0	0.0	0.0	0.0		41.2
8. MOH	0.0	0.0	0.0	0.0	160.8	216.2	146.7	0.0	0.0	0.0	0.0		523.7
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	16.0	10.8	8.7	0.0	1.5	135.5	4.8	8.2	0.0		185.5
12. LR PF (MW)	0.0	0.0	93.0	5.0	44.2	0.0	93.2	84.0	96.7	93.0	0.0		79.1
13. PMOH	0.0	30.0	0.0	12.5	0.0	0.0	0.0	35.4	15.1	34.8	217.1		344.8
14. LR PM (MW)	0.0	42.8	0.0	241.7	0.0	0.0	0.0	153.6	217.1	44.2	76.0		90.1
15. NSC (MW)	712	712	712	712	712	712	712	712	712	712	712		712
16. OPER MBTU	3,665,173	3,389,230	1,043,604	4,691,727	3,416,885	3,079,048	3,314,511	4,042,517	3,803,752	3,904,927	3,560,705		37,912,080
17. NET GEN (MWH)	351,098	326,307	98,909	441,792	312,393	290,324	301,999	386,618	365,924	381,891	340,952		3,598,207
18. ANOHR (BTU/KWH)	10,439.2	10,386.6	10,551.2	10,619.8	10,937.8	10,605.6	10,975.2	10,456.1	10,394.9	10,225.2	10,443.4		10,536.4
19. NOF (%)	66.28	68.43	61.60	86.18	80.51	80.94	71.01	72.98	71.38	72.09	66.42		72.88
20. NPC (MW)	712	712	712	712	712	712	712	712	712	712	712		712

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2013

CRYSTAL RIVER 5	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan - Nov Period
1. EAF	75.56	90.09	86.71	99.73	99.00	92.32	99.77	97.95	93.32	99.32	98.55		93.86
2. PH	744	672	743	720	744	720	744	744	720	744	721		8,016
3. SH	597.6	635.0	645.0	720.0	736.8	666.3	744.0	733.6	678.3	744.0	554.0		7,454.5
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	167.1		167.1
5. UH	146.4	37.0	98.0	0.0	7.2	53.7	0.0	10.5	41.7	0.0	0.0		394.5
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	146.4	0.0	98.0	0.0	7.2	53.7	0.0	6.7	41.7	0.0	0.0		353.7
8. MOH	0.0	37.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0		40.8
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	48.1	49.9	0.6	19.4	5.5	4.5	9.2	18.0	0.0	0.0	0.0		155.1
12. LR PF (MW)	523.9	286.4	79.0	45.7	28.8	91.0	63.4	99.3	0.0	0.0	0.0		279.5
13. PMOH	0.0	43.3	2.0	5.5	0.0	8.0	7.0	3.4	30.1	62.5	96.0		257.8
14. LR PM (MW)	0.0	155.1	234.0	91.0	0.0	91.0	91.0	472.5	151.6	57.6	77.6		101.9
15. NSC (MW)	710	710	710	710	710	710	710	710	710	710	710		710
16. OPER MBTU	2,595,380	3,126,153	3,988,380	4,364,618	4,373,920	3,818,889	3,798,563	3,817,476	3,363,239	3,455,004	2,557,182		39,258,804
17. NET GEN (MWH)	242,344	300,323	390,822	414,469	415,235	363,532	353,702	364,433	320,502	336,002	247,447		3,748,811
18. ANOHR (BTU/KWH)	10,709.5	10,409.3	10,205.1	10,530.6	10,533.6	10,505.0	10,739.4	10,475.1	10,493.7	10,282.7	10,334.3		10,472.3
19. NOF (%)	57.12	66.61	85.34	81.08	79.38	76.84	66.96	69.97	66.55	63.61	62.91		70.83
20. NPC (MW)	710	710	710	710	710	710	710	710	710	710	710		710

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2013

HINES 1	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan - Nov Period
1. EAF	100.00	100.00	100.00	40.53	76.25	95.02	97.27	96.65	95.13	99.92	98.70		90.88
2. PH	744	672	743	720	744	720	744	744	720	744	721		8,016
3. SH	744.0	672.0	743.0	291.8	567.3	699.0	744.0	744.0	720.0	744.0	358.7		7,027.7
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360.6		360.6
5. UH	0.0	0.0	0.0	428.2	176.7	21.0	0.0	0.0	0.0	0.0	1.8		627.7
6. POH	0.0	0.0	0.0	428.2	170.7	0.0	0.0	0.0	0.0	0.0	0.0		598.9
7. FOH	0.0	0.0	0.0	0.0	6.1	21.0	0.0	0.0	0.0	0.0	1.8		28.8
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
9. PPOH	0.0	0.0	216.0	291.8	383.4	0.0	0.0	0.0	0.0	0.0	0.0		891.2
10. LR PP (MW)	0.0	0.0	207.0	207.0	207.0	0.0	0.0	0.0	0.0	0.0	0.0		207.0
11. PFOH	0.0	0.0	0.0	0.0	0.0	28.6	55.3	45.5	0.0	0.0	10.2		139.5
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	229.0	169.6	247.0	0.0	0.0	347.0		219.9
13. PMOH	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.4	71.2	1.3	0.0		75.5
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	198.6	0.0	199.5	227.5	199.0	0.0		225.9
15. NSC (MW)	462	462	462	462	462	462	462	462	462	462	462		462
16. OPER MBTU	2,402,918	2,210,653	2,097,737	429,245	970,603	1,985,653	2,144,916	2,381,294	2,239,789	2,449,392	1,036,963		20,349,163
17. NET GEN (MWH)	333,404	312,259	266,812	53,909	123,979	255,827	292,937	319,038	306,641	340,734	140,822		2,746,362
18. ANOHR (BTU/KWH)	7,207.2	7,079.6	7,862.2	7,962.4	7,828.8	7,761.7	7,322.1	7,464.0	7,304.3	7,188.6	7,363.6		7,409.5
19. NOF (%)	97.00	100.58	77.73	39.99	47.31	79.22	85.22	92.82	92.18	99.13	84.98		84.59
20. NPC (MW)	462	462	462	462	462	462	462	462	462	462	462		462

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2013

HINES 2	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan - Nov Period
1. EAF	100.00	11.25	96.56	100.00	96.39	96.68	98.57	100.00	99.84	99.96	100.00		91.46
2. PH	744	672	743	720	744	720	744	744	720	744	721		8,016
3. SH	335.8	51.6	717.4	720.0	717.2	696.5	744.0	744.0	720.0	744.0	721.0		6,911.5
4. RSH	408.2	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		432.2
5. UH	0.0	596.4	25.6	0.0	26.8	23.6	0.0	0.0	0.0	0.0	0.0		672.4
6. POH	0.0	495.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		495.6
7. FOH	0.0	100.8	25.6	0.0	26.8	23.6	0.0	0.0	0.0	0.0	0.0		176.8
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
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	0.0	0.0	0.0	0.0	22.7	0.0	1.1	0.0	0.0		23.8
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	230.3	0.0	313.1	0.0	0.0		234.2
13. PMOH	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.5	1.1	0.0		4.1
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	127.0	0.0	0.0	136.0	136.0	0.0		132.7
15. NSC (MW)	490	490	490	490	490	490	490	490	490	490	490		490
16. OPER MBTU	573,429	172,528	1,727,376	2,023,581	2,120,946	2,330,984	2,274,828	2,371,095	2,409,757	2,490,114	1,946,361		20,440,999
17. NET GEN (MWH)	76,912	10,384	251,308	279,001	283,907	303,656	310,483	335,282	331,030	343,888	267,229		2,793,080
18. ANOHR (BTU/KWH)	7,455.6	16,614.8	6,873.5	7,253.0	7,470.6	7,676.4	7,326.7	7,071.9	7,279.6	7,241.1	7,283.5		7,318.4
19. NOF (%)	46.74	41.05	71.49	79.08	80.79	88.98	85.17	91.97	93.83	94.33	75.64		82.47
20. NPC (MW)	490	490	490	490	490	490	490	490	490	490	490		490

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2013

HINES 3	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan - Nov Period
1. EAF	100.00	100.00	76.90	100.00	100.00	100.00	93.52	100.00	99.90	99.80	97.21		96.98
2. PH	744	672	743	720	744	720	744	744	720	744	721		8,016
3. SH	744.0	672.0	571.4	720.0	744.0	720.0	700.4	744.0	720.0	744.0	721.0		7,800.8
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
5. UH	0.0	0.0	171.7	0.0	0.0	0.0	43.6	0.0	0.0	0.0	0.0		215.2
6. POH	0.0	0.0	171.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		171.7
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	43.6	0.0	0.0	0.0	0.0		43.6
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
9. PPOH	0.0	0.0	571.4	176.5	8.9	0.0	0.0	0.0	0.0	0.0	0.0		756.7
10. LR PP (MW)	0.0	0.0	228.0	228.0	125.0	0.0	0.0	0.0	0.0	0.0	0.0		226.8
11. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	17.1	0.0	0.0	2.8	25.8		45.7
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	132.2	0.0	0.0	257.7	381.0		280.5
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0		2.2
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	156.2	0.0	0.0		156.2
15. NSC (MW)	488	488	488	488	488	488	488	488	488	488	488		488
16. OPER MBTU	1,400,404	1,320,380	1,005,540	1,778,298	2,300,689	2,158,319	2,125,122	2,338,002	2,315,333	2,436,523	2,038,698		21,217,308
17. NET GEN (MWH)	187,931	174,079	129,263	243,767	309,630	297,713	294,815	329,808	325,268	343,398	286,692		2,922,364
18. ANOHR (BTU/KWH)	7,451.7	7,584.9	7,779.0	7,295.1	7,430.4	7,249.7	7,208.3	7,089.0	7,118.2	7,095.3	7,111.1		7,260.3
19. NOF (%)	51.76	53.08	46.36	69.38	85.28	84.73	86.25	90.84	92.57	94.58	81.48		76.77
20. NPC (MW)	488	488	488	488	488	488	488	488	488	488	488		488

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2013

HINES 4	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan - Nov Period
1. EAF	100.00	100.00	98.78	100.00	98.25	99.91	100.00	99.93	99.50	29.03	74.07		90.75
2. PH	744	672	743	720	744	720	744	744	720	744	721		8,016
3. SH	744.0	672.0	733.9	720.0	731.0	720.0	744.0	744.0	716.9	216.0	534.0		7,275.8
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
5. UH	0.0	0.0	9.1	0.0	13.0	0.0	0.0	0.0	3.2	528.0	187.0		740.2
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	528.0	182.3		710.3
7. FOH	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	3.2	0.0	4.7		20.8
8. MOH	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		9.1
9. PPOH	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0		6.6
10. LR PP (MW)	0.0	0.0	0.0	0.0	140.0	0.0	0.0	0.0	0.0	0.0	0.0		140.0
11. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
12. LR PF (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
13. PMOH	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.4	1.8	0.0	0.0		6.4
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	139.8	0.0	100.1	119.8	0.0	0.0		119.4
15. NSC (MW)	472	472	472	472	472	472	472	472	472	472	472		472
16. OPER MBTU	1,589,486	1,692,970	2,231,910	1,839,618	1,797,414	2,158,318	2,439,978	2,490,011	2,263,525	707,124	1,729,222		20,939,576
17. NET GEN (MWH)	229,724	249,046	334,726	255,052	252,425	333,089	346,547	342,271	319,809	96,892	247,727		3,007,308
18. ANOHR (BTU/KWH)	6,919.1	6,797.8	6,667.9	7,212.7	7,120.6	6,479.7	7,040.8	7,275.0	7,077.7	7,298.1	6,980.4		6,962.9
19. NOF (%)	65.42	78.52	96.63	75.05	73.16	98.01	98.68	97.47	94.52	95.03	98.28		87.57
20. NPC (MW)	472	472	472	472	472	472	472	472	472	472	472		472



Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 2013

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4A	1/3/2013	FFO	0.68	176.0	OPERATOR ERROR
BCC 4A	2/8/2013	PO	572.02	176.0	GAS TURBINE - HOT END INSPECTION
BCC 4A	3/4/2013	PO	190.05	176.0	GAS TURBINE CONTROL SYSTEM - UPGRADES
BCC 4A	6/18/2013	FFO	25.17	176.0	GAS TURBINE - COMBUSTOR CASING
BCC 4A	9/23/2013	FFO	25.32	176.0	GAS TURBINE - COMBUSTOR CASING
BCC 4A	9/24/2013	FMO	2.07	176.0	LP DRUM
BCC 4B	1/30/2013	FFO	47.28	176.0	HP STARTUP BYPASS SYSTEM VALVES
BCC 4B	2/1/2013	FMO	1.33	176.0	POWER AUGMENTATION SYSTEM EQUIPMENT
BCC 4B	3/4/2013	PO	479.65	176.0	GAS TURBINE - HOT END INSPECTION
BCC 4B	4/26/2013	FMO	100.48	176.0	IP SUPERHEATER
BCC 4B	5/15/2013	FFO	23.90	176.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
BCC 4B	6/2/2013	FMO	11.17	176.0	OTHER HP STEAM SYSTEM PROBLEMS
BCC 4C	3/5/2013	PO	174.35	176.0	GAS TURBINE CONTROL SYSTEM - UPGRADES
BCC 4C	5/17/2013	FMO	162.57	176.0	OTHER EXCITER PROBLEMS
BCC 4C	8/13/2013	PFO	14.83	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/14/2013	PFO	18.22	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/15/2013	PFO	22.58	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/16/2013	PFO	16.62	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/17/2013	PFO	15.62	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/18/2013	PFO	14.12	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/19/2013	PFO	17.37	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/20/2013	PFO	16.45	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/21/2013	PFO	15.40	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/22/2013	PFO	16.80	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/23/2013	PFO	16.28	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/24/2013	PFO	16.15	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/25/2013	PFO	13.50	15.5	GAS TURBINE - FUEL PIPING AND VALVES

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 2013

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4C	8/26/2013	PFO	12.23	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/27/2013	PFO	13.47	15.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/28/2013	PFO	12.07	20.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/29/2013	PFO	15.33	20.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/30/2013	PFO	1.58	0.0	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/31/2013	PFO	2.57	20.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	8/31/2013	PFO	14.48	20.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	9/1/2013	PFO	15.82	20.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	9/2/2013	PFO	1.25	25.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	9/2/2013	PFO	15.02	25.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	9/3/2013	PFO	17.60	24.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	9/4/2013	PFO	16.03	24.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	9/5/2013	PFO	15.58	29.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	9/6/2013	PFO	9.17	29.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	9/6/2013	FMO	22.60	176.0	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4C	11/9/2013	FFO	2.00	176.0	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4D	1/2/2013	FFO	0.53	176.0	OPERATOR ERROR
BCC 4D	1/31/2013	FFO	1.53	176.0	IP STARTUP BYPASS SYSTEM VALVES
BCC 4D	3/1/2013	FFO	2.38	176.0	GAS FUEL SYSTEM WITH CONTROLS AND INSTRUMENTS
BCC 4D	3/5/2013	PO	161.35	176.0	GAS TURBINE CONTROL SYSTEM - UPGRADES
BCC 4D	4/3/2013	FFO	3.65	176.0	GAS TURBINE - LUBE OIL VALVES/PIPING
BCC 4D	7/22/2013	FFO	26.80	176.0	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4D	9/11/2013	FFO	9.27	176.0	OTHER CIRCULATING WATER SYSTEM PROBLEMS
BCC 4D	9/12/2013	FMO	18.05	176.0	OTHER CIRCULATING WATER SYSTEM PROBLEMS
BCC 4S	1/2/2013	FMO	17.62	429.0	STEAM TURBINE CONTROL SYSTEM - HARDWARE PROBLEMS
BCC 4S	1/30/2013	PFO	22.50	214.5	HP STARTUP BYPASS SYSTEM VALVES
BCC 4S	2/1/2013	PFO	3.22	156.4	HP STARTUP BYPASS SYSTEM VALVES

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 2013

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4S	2/1/2013	PFO	1.42	156.5	POWER AUGMENTATION SYSTEM EQUIPMENT
BCC 4S	2/3/2013	FFO	45.90	429.0	TURBINE - OTHER LUBE OIL SYSTEM PROBLEMS
BCC 4S	2/8/2013	PPO	474.67	156.5	GAS TURBINE - HOT END INSPECTION
BCC 4S	2/28/2013	PO	420.83	429.0	OTHER LOW PRESSURE TURBINE PROBLEMS
BCC 4S	3/17/2013	PPO	164.48	156.5	GAS TURBINE - HOT END INSPECTION
BCC 4S	3/28/2013	PFO	155.02	156.5	REHEAT STEAM PIPING UP TO TURBINE STOP VALVES
BCC 4S	4/3/2013	PFO	3.65	245.5	GAS TURBINE - LUBE OIL VALVES/PIPING
BCC 4S	4/3/2013	PFO	450.90	156.5	REHEAT STEAM PIPING UP TO TURBINE STOP VALVES
BCC 4S	4/26/2013	PFO	110.80	156.5	IP SUPERHEATER
BCC 4S	5/15/2013	PFO	23.90	87.5	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
BCC 4S	5/17/2013	PMO	70.72	69.5	OTHER EXCITER PROBLEMS
BCC 4S	5/20/2013	PMO	60.28	156.5	FEEDWATER CONTROLS
BCC 4S	5/23/2013	PMO	31.57	69.5	OTHER EXCITER PROBLEMS
BCC 4S	6/2/2013	PMO	11.17	67.5	OTHER HP STEAM SYSTEM PROBLEMS
BCC 4S	6/18/2013	PFO	25.17	99.5	GAS TURBINE - COMBUSTOR CASING
BCC 4S	7/12/2013	FMO	80.57	429.0	MAIN TRANSFORMER
BCC 4S	7/22/2013	PFO	26.80	69.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4S	7/29/2013	PFO	2.63	67.5	TRAVELING SCREENS
BCC 4S	9/6/2013	PFO	36.25	156.5	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4S	9/11/2013	PFO	61.92	69.5	OTHER CIRCULATING WATER SYSTEM PROBLEMS
BCC 4S	9/14/2013	PFO	3.28	86.5	TRAVELING SCREENS
BCC 4S	9/23/2013	PFO	27.38	69.5	GAS TURBINE - COMBUSTOR CASING
BCC 4S	9/25/2013	FFO	1.65	429.0	BURNER INSTRUMENTS AND CONTROLS (EXCEPT LIGHT-OFF)
BCC 4S	11/9/2013	PFO	2.00	69.5	GAS TURBINE - FUEL PIPING AND VALVES

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 2013

Crystal River 4

Date	Outage Type	Hours	MW Affected	Description
2/2/2013	PMO	8.25	65.0	CONTROLS AND INSTRUMENTATION
2/24/2013	FFO	2.23	712.0	CONTROLS AND INSTRUMENTATION
2/26/2013	PMO	15.00	8.0	BOILER SAFETY VALVE TEST
2/27/2013	PMO	6.73	93.0	BOILER SAFETY VALVE TEST
3/2/2013	PO	516.80	712.0	BOILER INSPECTIONS
3/25/2013	FFO	0.67	712.0	START-UP FEEDWATER PUMP
3/27/2013	PFO	16.00	93.0	PRIMARY AIR DUCTS AND DAMPERS
4/3/2013	PMO	6.50	379.0	COAL CONVEYERS AND FEEDERS
4/18/2013	PMO	6.00	93.0	PULVERIZER LUBE OIL SYSTEM
4/19/2013	PFO	10.08	1.0	WET COAL (OMC)
4/27/2013	PFO	0.67	65.1	CONTROLS AND INSTRUMENTATION
5/3/2013	FMO	160.77	712.0	MAIN TRANSFORMER
5/11/2013	FFO	1.82	712.0	WET SCRUBBER/ABSORBER TOWER OR MODULE
5/17/2013	PFO	0.50	159.5	WET COAL (OMC)
5/17/2013	PFO	0.52	140.5	WET COAL (OMC)
5/17/2013	PFO	1.28	141.0	WET COAL (OMC)
5/28/2013	FFO	36.45	712.0	OTHER EXCITER PROBLEMS
5/31/2013	PFO	6.42	8.0	MAIN STEAM RELIEF/SAFETY VALVES
6/21/2013	FMO	362.90	712.0	OTHER HYDROGEN SYSTEM PROBLEMS
7/7/2013	PFO	1.53	92.9	PULVERIZER SYSTEM COAL LEAKS (NOT PULVERIZERS)
8/5/2013	PFO	135.50	84.0	PULVERIZER MOTORS AND DRIVES
8/12/2013	PMO	9.08	84.0	PULVERIZER MOTORS AND DRIVES
8/19/2013	PMO	3.80	92.9	INDUCED DRAFT FANS
8/21/2013	PMO	2.07	93.0	INDUCED DRAFT FANS
8/22/2013	PMO	4.50	93.0	INDUCED DRAFT FANS
8/23/2013	PMO	6.07	92.9	INDUCED DRAFT FANS
8/27/2013	PMO	3.43	474.1	OTHER STACK OR EXHAUST EMISSIONS TESTING - FOSSIL

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ACTUAL UNIT EVENT DATA -- January - November 2013

Crystal River 4

Date	Outage Type	Hours	MW Affected	Description
8/27/2013	PMO	3.80	236.1	OTHER STACK OR EXHAUST EMISSIONS TESTING - FOSSIL
8/30/2013	PMO	2.60	236.1	OTHER STACK OR EXHAUST EMISSIONS TESTING - FOSSIL
9/4/2013	PFO	2.95	92.9	PULVERIZER LUBE OIL SYSTEM
9/4/2013	PMO	5.25	236.0	FORCED DRAFT FAN LUBRICATION SYSTEM
9/5/2013	PMO	7.83	236.0	FORCED DRAFT FAN LUBRICATION SYSTEM
9/14/2013	PFO	1.82	103.1	OTHER FUEL QUALITY PROBLEMS (OMC)
9/18/2013	PMO	2.00	92.9	PRIMARY AIR FAN DRIVES
10/8/2013	PMO	9.50	22.0	CEMS - CERTIFICATION AND RECERTIFICATION
10/9/2013	PMO	9.00	22.0	CEMS - CERTIFICATION AND RECERTIFICATION
10/9/2013	PMO	8.00	74.0	PULVERIZER MILLS
10/23/2013	PFO	8.23	93.0	PULVERIZER MILLS
10/31/2013	PMO	83.68	65.0	PULVERIZER MILLS
11/5/2013	PMO	24.00	74.0	PULVERIZER MILLS
11/6/2013	PMO	27.62	82.0	PULVERIZER MILLS
11/7/2013	PMO	21.75	84.0	PULVERIZER MILLS
11/12/2013	PMO	28.80	84.0	PULVERIZER MILLS
11/13/2013	PMO	22.00	84.0	PULVERIZER MILLS
11/20/2013	PMO	8.48	84.0	PULVERIZER MILLS
11/28/2013	PMO	9.00	84.0	PULVERIZER FEEDER MOTOR

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - November 2013

Crystal River 5

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

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ACTUAL UNIT EVENT DATA -- January - November 2013

Crystal River 5

Date	Outage Type	Hours	MW Affected	Description
4/20/2013	PFO	1.58	91.0	CONTROLS AND INSTRUMENTATION
4/28/2013	PFO	4.52	101.1	CONTROLS AND INSTRUMENTATION
5/5/2013	PFO	1.00	90.9	CONTROLS AND INSTRUMENTATION
5/15/2013	FFO	7.22	710.0	SWITCHYARD SYSTEM PROTECTION DEVICES
5/17/2013	PFO	4.50	15.0	WET COAL (OMC)
6/7/2013	FFO	53.70	710.0	OTHER MISCELLANEOUS GENERATOR PROBLEMS
6/19/2013	PMO	8.00	91.0	PULVERIZER FEEDERS
6/24/2013	PFO	4.50	91.0	PULVERIZER FEEDER MOTOR
7/2/2013	PFO	3.98	15.0	WET COAL (OMC)
7/2/2013	PFO	2.58	109.9	FOREIGN OBJECT IN MILL
7/10/2013	PFO	2.62	90.9	CONTROLS AND INSTRUMENTATION
7/29/2013	PMO	7.00	91.0	FOREIGN OBJECT IN MILL
8/2/2013	PFO	13.00	91.0	PULVERIZER INSPECTION
8/2/2013	PFO	5.00	120.8	CIRCULATING WATER PUMPS
8/14/2013	FFO	6.65	710.0	TURBINE SUPERVISORY SYSTEM
8/27/2013	PMO	3.43	472.0	OTHER STACK OR EXHAUST EMISSIONS TESTING - FOSSIL
8/27/2013	FMO	3.80	710.0	OTHER STACK OR EXHAUST EMISSIONS TESTING - FOSSIL
9/3/2013	PMO	8.60	91.0	FOREIGN OBJECT IN MILL
9/10/2013	PMO	7.00	234.0	FORCED DRAFT FANS
9/11/2013	PMO	7.17	234.0	FORCED DRAFT FANS
9/19/2013	PMO	7.30	63.0	INDUCED DRAFT FANS
9/24/2013	FFO	41.68	710.0	OTHER MISCELLANEOUS GENERATOR PROBLEMS
10/8/2013	PMO	9.50	20.0	CEMS - CERTIFICATION AND RECERTIFICATION
10/9/2013	PMO	9.00	20.0	CEMS - CERTIFICATION AND RECERTIFICATION
10/29/2013	PMO	24.00	82.0	PULVERIZER MILLS
10/30/2013	PMO	20.03	63.0	PULVERIZER MILLS
11/14/2013	PMO	22.13	63.0	PULVERIZER MILLS

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ACTUAL UNIT EVENT DATA -- January - November 2013

Crystal River 5

Date	Outage Type	Hours	MW Affected	Description
11/19/2013	PMO	29.95	82.0	PULVERIZER MILLS
11/20/2013	PMO	21.95	82.0	PULVERIZER MILLS
11/21/2013	PMO	21.92	82.0	PULVERIZER MILLS



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ACTUAL UNIT EVENT DATA -- January - November 2013

Hines 1

Date	Outage Type	Hours	MW Affected	Description
3/23/2013	PPO	507.80	207.0	MAJOR GAS TURBINE OVERHAUL
4/13/2013	PO	598.88	462.0	MAJOR GAS TURBINE OVERHAUL
5/8/2013	PPO	13.57	207.0	MAJOR GAS TURBINE OVERHAUL
5/8/2013	FFO	6.05	462.0	GAS TURBINE - INLET AIR VANES
5/8/2013	PPO	369.80	207.0	MAJOR GAS TURBINE OVERHAUL
6/4/2013	PFO	2.95	229.0	OTHER EXCITER PROBLEMS
6/22/2013	FFO	4.00	462.0	STEAM TURBINE CONTROL SYSTEM - HARDWARE PROBLEMS
6/25/2013	PMO	1.62	198.9	INTAKE GRATING FOULING
6/28/2013	FFO	17.00	462.0	4000-7000-VOLT CONDUCTORS AND BUSES
6/29/2013	PFO	25.63	229.0	4000-7000-VOLT CONDUCTORS AND BUSES
7/11/2013	PFO	19.00	58.0	MAIN TRANSFORMER
7/27/2013	PFO	30.30	228.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
7/31/2013	PFO	6.00	228.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
8/3/2013	PFO	10.98	228.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
8/4/2013	PFO	4.90	228.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
8/4/2013	PFO	0.83	227.9	OTHER EXCITER PROBLEMS
8/4/2013	PFO	20.10	228.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
8/22/2013	PFO	8.70	327.0	FEEDWATER PUMP
8/25/2013	PMO	1.38	199.1	INTAKE GRATING FOULING
9/22/2013	PMO	69.97	228.0	ECONOMIZER LEAKS
9/25/2013	PMO	1.22	198.9	INTAKE GRATING FOULING
10/15/2013	PMO	1.30	199.0	INTAKE GRATING FOULING
11/6/2013	FFO	1.78	462.0	TURBINE LUBE OIL PUMPS
11/6/2013	PFO	10.15	347.0	TURBINE LUBE OIL PUMPS

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ACTUAL UNIT EVENT DATA -- January - November 2013

Hines 2

Date	Outage Type	Hours	MW Affected	Description
2/2/2013	PO	495.57	490.0	GAS TURBINE - BOROSCOPE INSPECTION
2/24/2013	FFO	5.07	490.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
2/25/2013	FFO	121.33	490.0	GAS TURBINE - FIRE DETECTION AND EXTINGUISHING SYS
5/3/2013	FFO	18.40	490.0	UNIT AUXILIARIES TRANSFORMER
5/27/2013	FFO	8.43	490.0	CIRCULATING WATER PUMP MOTORS
6/1/2013	PMO	1.50	127.1	INTAKE GRATING FOULING
6/28/2013	FFO	23.55	490.0	4000-7000-VOLT CONDUCTORS AND BUSES
7/5/2013	PFO	1.00	336.1	CONDENSER LOSS OF VACUUM
7/6/2013	PFO	13.48	225.0	MAIN TRANSFORMER
7/18/2013	PFO	8.18	226.0	MAIN TRANSFORMER
9/5/2013	PFO	1.12	314.1	TURBINE HYDRAULIC SYSTEM PUMPS
9/7/2013	PMO	1.50	135.9	INTAKE GRATING FOULING
10/15/2013	PMO	1.10	135.9	INTAKE GRATING FOULING

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ACTUAL UNIT EVENT DATA -- January - November 2013

Hines 4

Date	Outage Type	Hours	MW Affected	Description
3/26/2013	FMO	9.10	472.0	INVERTERS
5/13/2013	FFO	13.02	472.0	CONDENSATE/HOTWELL PUMPS
5/23/2013	PPO	6.55	140.0	CONDENSER TUBE AND WATER BOX CLEANING
6/3/2013	PMO	1.22	140.0	INTAKE GRATING FOULING
6/25/2013	PMO	1.00	140.2	INTAKE GRATING FOULING
8/6/2013	PMO	2.38	100.0	INTAKE GRATING FOULING
9/16/2013	PMO	1.77	119.9	INTAKE GRATING FOULING
9/27/2013	FFO	3.15	472.0	GAS TURBINE CONTROL SYSTEM - HARDWARE PROBLEM
10/10/2013	PO	710.30	472.0	TURBINE CONTROL VALVES
11/26/2013	FFO	4.67	472.0	STATION SERVICE POWER DISTRIBUTION SYSTEM - GENERAL