



Dianne M. Triplett  
ASSOCIATE GENERAL COUNSEL  
Duke Energy Florida, Inc.

March 17, 2015

**VIA ELECTRONIC FILING**

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

Re: *Fuel and purchased power cost recovery clause with generating performance incentive factor; Docket No. 150001-EI*

Dear Ms. Stauffer:

Please find attached for electronic filing on behalf of Duke Energy Florida, Inc. ("DEF"), DEF's 2014 GPIF True-up Testimony and Schedules. The filing includes the following:

- DEF's GPIF True-Up Petition;
- Direct Testimony of Matthew J. Jones with Exhibit No. \_\_\_\_ (MJJ-1T);

Thank you for your assistance in this matter. Please feel free to call me at (727) 820-4692 should you have any questions concerning this filing.

Respectfully,

A handwritten signature in blue ink, appearing to read "Dianne M. Triplett", written over a horizontal line.

Dianne M. Triplett  
Associate General Counsel

DMT/mw  
Enclosures

cc: Parties of record

299 First Avenue North (33701) | Post Office Box 14042 (33733) | St. Petersburg, Florida  
Phone: 727.820.4692 | Fax: 727.820.5041 | Email: Dianne.triplett@duke-energy.com

**Duke Energy Florida, Inc.**

Docket No.: 150001

**CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail this 17th day of March, 2015 to all parties of record as indicated below.



Attorney

<p>Suzanne Brownless, Esq. Danijela Janjic, Esq. John Villafrate, Esq. Office of General Counsel Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 <a href="mailto:sbrownle@psc.state.fl.us">sbrownle@psc.state.fl.us</a> <a href="mailto:djanjic@psc.state.fl.us">djanjic@psc.state.fl.us</a> <a href="mailto:jvillafr@psc.state.fl.us">jvillafr@psc.state.fl.us</a></p> <p>James D. Beasley, Esq. J. Jeffrey Wahlen, Esq. Ashley M. Daniels, Esq. Ausley McMullen Law Firm P.O. Box 391 Tallahassee, FL 32302 <a href="mailto:jbeasley@ausley.com">jbeasley@ausley.com</a> <a href="mailto:jwahlen@ausley.com">jwahlen@ausley.com</a> <a href="mailto:adaniels@ausley.com">adaniels@ausley.com</a></p> <p>Jeffrey A. Stone/Russell A. Badders/ Steven R. Griffin Beggs &amp; Lane P.O. Box 12950 Pensacola, FL 32591 <a href="mailto:jus@beggslane.com">jus@beggslane.com</a> <a href="mailto:rab@beggslane.com">rab@beggslane.com</a> <a href="mailto:srg@beggslane.com">srg@beggslane.com</a></p> <p>Jon C. Moyle, Jr., Esq. Moyle Law Firm, P.A. 118 North Gadsden Street Tallahassee, FL 32301 <a href="mailto:jmoyle@moylelaw.com">jmoyle@moylelaw.com</a></p>	<p>Ms. Cheryl Martin Florida Public Utilities Company 911 South 8<sup>th</sup> Street Fernandina Beach, FL 32034 <a href="mailto:Cheryl.Martin@fpuc.com">Cheryl.Martin@fpuc.com</a></p> <p>Robert Scheffel Wright, Esq. John T. LaVia, III, Esq. c/o Gardner Law Firm 1300 Thomaswood Drive Tallahassee, FL 32308 <a href="mailto:schef@gbwlegal.com">schef@gbwlegal.com</a> <a href="mailto:jlavia@gbwlegal.com">jlavia@gbwlegal.com</a></p> <p>Robert L. McGee, Jr. Gulf Power Company One Energy Place Pensacola, FL 32520-0780 <a href="mailto:rlmcgee@southernco.com">rlmcgee@southernco.com</a></p> <p>Beth Keating Gunster, Yoakley &amp; Stewart, P.A. 215 South Monroe Street, Suite 601 Tallahassee, FL 32301 <a href="mailto:bkeating@gunster.com">bkeating@gunster.com</a></p> <p>John T. Butler, Esq. Florida Power &amp; Light Company 700 Universe Boulevard (LAW/JB) Juno Beach, FL 33408-0420 <a href="mailto:john.butler@fpl.com">john.butler@fpl.com</a></p>	<p>James W. Brew/Owen J. Kopon/Laura A. Wynn Brickfield Law Firm 1025 Thomas Jefferson Street NW 8<sup>th</sup> Floor, West Tower Washington, DC 20007 <a href="mailto:jbrew@bbrslaw.com">jbrew@bbrslaw.com</a> <a href="mailto:owen.kopon@bbrslaw.com">owen.kopon@bbrslaw.com</a> <a href="mailto:laura.wynn@bbrslaw.com">laura.wynn@bbrslaw.com</a></p> <p>Charles J. Rehwinkel Office of Public Counsel c/o The Florida Legislature 111 West Madison Street, Room 812 Tallahassee, FL 32399-1400 <a href="mailto:rehwinkel.charles@leg.state.fl.us">rehwinkel.charles@leg.state.fl.us</a></p> <p>Ms. Paula K. Brown Manager, Regulatory Coordination Tampa Electric Company P.O. Box 111 Tampa, FL 33601 <a href="mailto:regdept@tecoenergy.com">regdept@tecoenergy.com</a></p> <p>Kenneth Hoffman Florida Power &amp; Light Company 215 S. Monroe Street, Suite 810 Tallahassee, FL 32301-1858 <a href="mailto:ken.hoffman@fpl.com">ken.hoffman@fpl.com</a></p>
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the prepared direct testimony of DEF witness Matthew J. Jones which is being filed with and incorporated in this Petition.

WHEREFORE, DEF respectfully requests the Commission to approve this Petition and include the aforementioned amount in the calculation of the Fuel and Purchased Power Cost Recovery (“FCR”) Factor for the period beginning January 2016.

Respectfully submitted,



DIANNE M. TRIPLETT  
Associate General Counsel  
MATTHEW R. BERNIER  
Senior Counsel  
Duke Energy Florida, Inc.  
299 First Avenue North  
St. Petersburg, FL 33701

Attorneys for  
DUKE ENERGY FLORIDA, INC.

**DUKE ENERGY FLORIDA, INC.**

**DOCKET No. 150001-EI**

**GPIF Schedules for  
January through December 2014**

**DIRECT TESTIMONY OF  
MATTHEW J. JONES**

**March 17, 2015**

1 **Q. Please state your name and business address.**

2 **A. My name is Matthew J. Jones. My business address is 526 South Church**  
3 **Street, Charlotte, North Carolina 28202.**

4

5 **Q. By whom are you employed and in what capacity?**

6 **A. I am employed by Duke Energy as Managing Director of Analytics for Fuels**  
7 **and Systems Optimization.**

8

9 **Q. Describe your responsibilities as Director of Analytics.**

10 **A. As Managing Director of Analytics for Fuels and Systems Optimization, I**  
11 **oversee the analysis and modeling of energy portfolios for Duke Energy**  
12 **Florida, Inc. ("DEF" or "Company"), as well as Duke Energy Progress, Inc.,**  
13 **Duke Energy Carolinas, Inc., Duke Energy Indiana Inc., and Duke Energy**  
14 **Kentucky, Inc. My responsibilities include oversight of planning and**  
15 **coordination associated with economic system operations, including**

1 production cost modeling, outage coordination, dispatch pricing, fuel burn  
2 forecasting, position analysis, and commodities analytics.

3

4 **Q. What is the purpose of your testimony?**

5 A. The purpose of my testimony is to describe the calculation of DEF's GPIF  
6 reward/penalty amount for the period of January through December 2014.  
7 This calculation was based on a comparison of the actual performance of  
8 DEF's 7 GPIF generating units for this period against the approved targets set  
9 for these units prior to the actual performance period.

10

11 **Q. Do you have an exhibit to your testimony in this proceeding?**

12 A. Yes, I am sponsoring Exhibit No. \_\_\_\_\_ (MJJ-1T), which consists of the  
13 schedules required by the GPIF Implementation Manual to support the  
14 development of the incentive amount. This 24-page exhibit is attached to my  
15 prepared testimony and includes as its first page an index to the contents of  
16 the exhibit.

17

18 **Q. What GPIF incentive amount has been calculated for this period?**

19 A. DEF's calculated GPIF incentive amount is a penalty of \$8,613,797. This  
20 amount was developed in a manner consistent with the GPIF Implementation  
21 Manual. Page 2 of my exhibit shows the system GPIF points and the  
22 corresponding reward (penalty). The summary of weighted incentive points  
23 earned by each individual unit can be found on page 4 of my exhibit.

24

1 **Q. How were the incentive points for equivalent availability and heat rate**  
2 **calculated for the individual GPIF units?**

3 A. The calculation of incentive points was made by comparing the adjusted  
4 actual performance data for equivalent availability and heat rate to the target  
5 performance indicators for each unit. This comparison is shown on each  
6 unit's Generating Performance Incentive Points Table found on pages 9  
7 through 15 of my exhibit.

8

9 **Q. Why is it necessary to make adjustments to the actual performance data**  
10 **for comparison with the targets?**

11 A. Adjustments to the actual equivalent availability and heat rate data are  
12 necessary to allow their comparison with the "target" Point Tables exactly as  
13 approved by the Commission prior to the period. These adjustments are  
14 described in the Implementation Manual and are further explained by a Staff  
15 memorandum, dated October 23, 1981, directed to the GPIF utilities. The  
16 adjustments to actual equivalent availability concern primarily the differences  
17 between target and actual planned outage hours, and are shown on page 7 of  
18 my exhibit. The heat rate adjustments concern the differences between the  
19 target and actual Net Output Factor (NOF), and are shown on page 8. The  
20 methodology for both the equivalent availability and heat rate adjustments are  
21 explained in the Staff memorandum.

22

23 **Q. Have you provided the as-worked planned outage schedules for DEF's**  
24 **GPIF units to support your adjustments to actual equivalent availability?**

1 A. Yes. Page 23 of my exhibit summarizes the planned outages experienced by  
2 DEF's GPIF units during the period. Page 24 presents an as-worked  
3 schedule for each individual planned outage.

4

5 Q. Does this conclude your testimony?

6 A. Yes.



## **GPIF REWARD/PENALTY SCHEDULES**

<b><u>Description</u></b>	<b><u>Sheet</u></b>
Index	1
Reward/Penalty Table (Actual)	2
Calculation of Maximum Incentive Dollars (Actual)	3
Calculation of System Actual GPIF Points	4
GPIF Unit Performance Summary	5
Actual Unit Performance Data	6
Adjustments to EAF Actual	7
Adjustments to ANOHR Actual	8
Generating Performance Incentive Points Table	9-15
Actual Unit Performance Data	16-22
Planned Outage Schedules (Actual)	23-24

Original Sheet No. 6.101.1

GENERATING PERFORMANCE INCENTIVE FACTOR

REWARD/PENALTY TABLE

ACTUAL

Duke Energy Florida  
January 2014 - December 2014

Generating Performance Incentive Points (GPIF)	Fuel Savings/Loss (\$)	Generating Performance Incentive Factor (\$)
10	\$ 62,118,265	\$ 20,922,510
9	\$ 55,906,438	\$ 18,830,259
8	\$ 49,694,612	\$ 16,738,008
7	\$ 43,482,785	\$ 14,645,757
6	\$ 37,270,959	\$ 12,553,506
5	\$ 31,059,132	\$ 10,461,255
4	\$ 24,847,306	\$ 8,369,004
3	\$ 18,635,479	\$ 6,276,753
2	\$ 12,423,653	\$ 4,184,502
1	\$ 6,211,826	\$ 2,092,251
0	\$ -	\$ -
-1	\$ (7,226,206)	\$ (2,092,251)
-2	\$ (14,452,413)	\$ (4,184,502)
-3	\$ (21,678,619)	\$ (6,276,753)
-4	\$ (28,904,826)	\$ (8,369,004)
**** -4.117	\$ (29,750,292)	\$ (8,613,797)
-5	\$ (36,131,032)	\$ (10,461,255)
-6	\$ (43,357,239)	\$ (12,553,506)
-7	\$ (50,583,445)	\$ (14,645,757)
-8	\$ (57,809,652)	\$ (16,738,008)
-9	\$ (65,035,858)	\$ (18,830,259)
-10	\$ (72,262,065)	\$ (20,922,510)

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Docket No.:  
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Original Sheet No. 6 101.2

GENERATION PERFORMANCE INCENTIVE FACTOR

CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS

Duke Energy Florida  
January 2014 - December 2014

1	Beginning of period balance of common equity	\$	4,797,389,578
	END OF MONTH BALANCE OF COMMON EQUITY:		
2	Month of JANUARY 2014	\$	5,087,942,770
3	Month of FEBRUARY 2014	\$	5,119,239,873
4	Month of MARCH 2014	\$	5,023,794,006
5	Month of APRIL 2014	\$	5,054,301,033
6	Month of MAY 2014	\$	5,108,299,248
7	Month of JUNE 2014	\$	5,170,495,162
8	Month of JULY 2014	\$	5,229,331,081
9	Month of AUGUST 2014	\$	5,293,911,072
10	Month of SEPTEMBER 2014	\$	5,350,790,797
11	Month of OCTOBER 2014	\$	5,387,962,773
12	Month of NOVEMBER 2014	\$	5,414,173,222
13	Month of DECEMBER 2014	\$	5,451,505,259
14	Average common equity for the period	\$	5,191,471,990
15	25 Basis Points		0.0025
16	Revenue Expansion Factor		61.3808%
17	Maximum allowed incentive dollars	\$	21,144,527
18	Jurisdictional Sales *		37,240,099 MWH
19	Total Sales *		37,633,719 MWH
20	Jurisdictional Separation Factor		98.9500%
21	Maximum allowed jurisdictional incentive dollars	\$	20,922,510
22	Incentive Cap (50% of Projected Fuel Savings at 10 GPIF Point Level) From Sheet No. 6 101.1	\$	31,059,132
23	Maximum Allowed GPIF Reward (Lesser of Line 21 and Line 22)	\$	20,922,510
*	Net sales (Sales - Interruptible)		

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Original Sheet No. 6 101.3

GENERATION PERFORMANCE INCENTIVE FACTOR

CALCULATION OF SYSTEM ACTUAL GPIF POINTS

Duke Energy Florida  
January 2014 - December 2014

<u>Plant/Unit</u>	<u>Performance Indicator EAF or ANOHR</u>	<u>Weighting Factor %</u>	<u>Unit Points</u>	<u>Weighted Unit Points</u>
Bartow CC	EAF	5.09	-10.000	-0.509
	ANOHR	26.04	-10.000	-2.604
Crystal River 4	EAF	6.67	-7.893	-0.526
	ANOHR	13.00	0.000	0.000
Crystal River 5	EAF	5.32	-2.637	-0.140
	ANOHR	12.72	3.763	0.479
Hines 1	EAF	1.53	10.000	0.153
	ANOHR	6.91	-0.278	-0.019
Hines 2	EAF	0.99	-10.000	-0.099
	ANOHR	6.13	-10.000	-0.613
Hines 3	EAF	0.19	-10.000	-0.019
	ANOHR	6.80	0.000	0.000
Hines 4	EAF	1.68	-4.929	-0.083
	ANOHR	6.96	-1.964	-0.137
GPIF System		100.00		-4.117

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Original Sheet No. 6 101.4

GENERATION PERFORMANCE INCENTIVE FACTOR  
GPIF UNIT PERFORMANCE SUMMARY

Duke Energy Florida  
January 2014 - December 2014

Plant/Unit	Weighting Factor (%)	EAF Target (%)	EAF RANGE		Max. Fuel Savings (\$000)	Max. Fuel Loss (\$000)	EAF Adjusted Actual (%)	Estimated Fuel Savings/ Loss (\$000)
			Max. (%)	Min. (%)				
Bartow CC	5.09	92.11	93.76	88.70	\$3,164	(\$4,640)	87.28	(\$4,640)
Crystal River 4	6.67	87.77	90.92	81.46	\$4,141	(\$7,677)	82.79	(\$6,059)
Crystal River 5	5.32	89.40	91.68	84.76	\$3,302	(\$5,682)	88.18	(\$1,498)
Hines 1	1.53	82.65	84.43	79.03	\$948	(\$2,081)	85.58	\$948
Hines 2	0.99	87.29	88.70	84.38	\$812	(\$1,034)	46.02	(\$1,034)
Hines 3	0.19	90.91	91.13	90.46	\$117	(\$1,377)	83.85	(\$1,377)
Hines 4	1.68	90.39	91.18	88.74	\$1,043	(\$998)	89.58	(\$492)
<b>GPIF System</b>	<b>21.45</b>				<b>\$13,326</b>	<b>(\$23,469)</b>		<b>(\$14,152)</b>

Plant/Unit	Weighting Factor (%)	ANOHR Target (BTU/KWH)	NOF	ANOHR RANGE		Max. Fuel Savings (\$000)	Max. Fuel Loss (\$000)	ANOHR Adjusted Actual (Btu/kwh)	Estimated Fuel Savings/ Loss (\$000)
				Min. (Btu/kwh)	Max. (Btu/kwh)				
Bartow CC	26.04	7,317	87.8	6,872	7,762	\$16,174	(\$16,174)	7,810	(\$16,174)
Crystal River 4	13.00	10,267	78.1	9,750	10,783	\$8,073	(\$8,073)	10,320	\$0
Crystal River 5	12.72	10,279	76.8	9,754	10,804	\$7,899	(\$7,899)	10,035	\$2,973
Hines 1	6.91	7,387	84.7	7,028	7,747	\$4,293	(\$4,293)	7,470	(\$119)
Hines 2	6.13	7,212	77.1	6,919	7,504	\$3,805	(\$3,805)	7,541	(\$3,805)
Hines 3	6.80	7,315	83.4	7,019	7,610	\$4,224	(\$4,224)	7,312	\$0
Hines 4	6.96	6,921	89.9	6,646	7,186	\$4,325	(\$4,325)	7,035	(\$849)
<b>GPIF System</b>	<b>78.55</b>					<b>\$48,793</b>	<b>(\$48,793)</b>		<b>(\$17,975)</b>

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GENERATION PERFORMANCE INCENTIVE FACTOR  
ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida  
January 2014 - December 2014

Plant/Unit	ACTUAL EAF %	ADJUSTMENTS (1) TO EAF %	ADJUSTED ACTUAL EAF %
Bartow CC	82.10	5.18	87.28
Crystal River 4	83.79	-1.00	82.79
Crystal River 5	88.49	-0.31	88.18
Hines 1	98.97	-13.41	85.56
Hines 2	50.98	-4.86	46.02
Hines 3	86.37	-2.52	83.85
Hines 4	93.39	-3.61	89.78

Plant/Unit	ACTUAL ANQHR BTU/KWH	ADJUSTMENTS (2) TO ANQHR BTU/KWH	ADJUSTED ACTUAL ANQHR BTU/KWH
Bartow CC	7,799.5	10.7	7,810.3
Crystal River 4	10,322.8	-3.3	10,319.5
Crystal River 5	9,922.9	111.6	10,034.5
Hines 1	7,331.4	136.8	7,470.2
Hines 2	7,504.0	36.8	7,540.8
Hines 3	7,201.8	109.9	7,311.7
Hines 4	7,018.1	17.0	7,035.1

(1) For documentation of adjustments to actual EAF, see sheet 6  
(2) For documentation of adjustments to actual ANQHR, see sheet 7

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GENERATION PERFORMANCE INCENTIVE FACTOR  
ADJUSTMENTS TO EAF ACTUAL

Duke Energy Florida  
January 2014 - December 2014

EAF adjustments for Planned Outage Hours			Bartow CC	Crystal River 4	Crystal River 5	Hines 1	Hines 2	Hines 3	Hines 4
			BAA	CR4	CR5	H11	H22	H33	H44
1	Actual POH	Hrs	881.31	379.80	475.40	0.88	0.00	515.48	353.10
2	Target POH	Hrs	384.00	480.00	304.00	1,188.00	652.00	756.00	888.00
3	Adj. Factor (PH-POHT/PH-POHA)		1.08	0.88	1.00	0.96	0.90	0.97	0.98
4	Actual EUOH	Hrs	886.77	1,040.02	533.20	89.08	4,294.18	678.91	226.35
5	Adj. EUOH (3*4)	Hrs	730.12	1,027.58	531.36	77.01	3,878.51	658.72	217.12
6	Actual EAF	%	82.10	83.78	88.48	98.97	50.98	86.37	93.38
7	Adjusted EAF (Using 2 & 5)	%	87.28	82.78	88.18	85.58	46.02	83.85	88.58
8	Difference (7-6)	%	5.18	-1.00	-0.31	-13.41	-4.96	-2.52	-3.81
9	Total adj. to EAF	%	5.18	-1.00	-0.31	-13.41	-4.96	-2.52	-3.81

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GENERATION PERFORMANCE INCENTIVE FACTOR  
ADJUSTMENTS TO ANOHR ACTUAL

Duke Energy Florida  
January 2014 - December 2014

ANOHR adjustments for		Barlow CC	Crystal River 4	Crystal River 5	Hines 1	Hines 2	Hines 3	Hines 4	
Target NOF		BAI	CR4	CR5	H11	H12	H13	H14	
1	Target NOF	%	87.9	78.1	76.8	84.7	77.1	83.4	89.9
2	Target ANOHR	\$/kwh	7316.8	10286.5	10278.9	7387.3	7211.9	7314.6	8920.9
3	Actual NOF	%	89.9	77.8	81.7	84.8	84.5	93.2	84.3
4	Calc ANOHR (using 3)	\$/kwh	7,308.1	10,269.8	10,167.3	7,248.5	7,175.1	7,204.7	8,903.8
5	Total adj. to ANOHR (2-4)	\$/kwh	10.7	-3.3	111.6	138.8	36.8	109.9	17.0

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Effective  
Docket No  
Order No



Original Sheet No. 6.101.8

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida  
January 2014 - December 2014

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Unit		Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
		Equivalent Availability (%)	Average Heat Rate (Points)		
			Bartow CC		
10	\$3,163,900	93.76	10	\$16,173,774	6,871.5
9	\$2,847,510	93.60	9	\$14,556,396	6,908.5
8	\$2,531,120	93.43	8	\$12,939,019	6,945.6
7	\$2,214,730	93.27	7	\$11,321,642	6,982.6
6	\$1,898,340	93.10	6	\$9,704,264	7,019.6
5	\$1,581,950	92.93	5	\$8,086,887	7,056.7
4	\$1,265,560	92.77	4	\$6,469,509	7,093.7
3	\$949,170	92.60	3	\$4,852,132	7,130.7
2	\$632,780	92.44	2	\$3,234,755	7,167.8
1	\$316,390	92.27	1	\$1,617,377	7,204.8
	\$0	92.11	0	\$0	7,241.8
0	\$0	92.11	0	\$0	7,316.8
	\$0	92.11	0	\$0	7,391.8
-1	(\$463,990)	91.77	-1	(\$1,617,377)	7,428.8
-2	(\$927,980)	91.43	-2	(\$3,234,755)	7,465.9
-3	(\$1,391,970)	91.09	-3	(\$4,852,132)	7,502.9
-4	(\$1,855,960)	90.75	-4	(\$6,469,509)	7,539.9
-5	(\$2,319,950)	90.41	-5	(\$8,086,887)	7,577.0
-6	(\$2,783,940)	90.06	-6	(\$9,704,264)	7,614.0
-7	(\$3,247,930)	89.72	-7	(\$11,321,642)	7,651.0
-8	(\$3,711,920)	89.38	-8	(\$12,939,019)	7,688.1
-9	(\$4,175,910)	89.04	-9	(\$14,556,396)	7,725.1
-10	(\$4,639,900)	88.70	-10	(\$16,173,774)	7,762.1
****	(\$4,639,900)	88.70	-10	(\$16,173,774)	7,762.1 ****

Equivalent Availability  
Weighting Factor:

5.09%

Heat Rate  
Weighting Factor:

26.04%

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Filed:  
Suspended:  
Effective:  
Docket No.:  
Order No.:

Original Sheet No. 6 101.9

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida  
January 2014 - December 2014

Unit: Crystal River 4

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)	
10	\$4,140,600	90.92	10	\$8,072,985	9,749.8	
9	\$3,726,540	90.60	9	\$7,265,687	9,794.0	
8	\$3,312,480	90.29	8	\$6,458,388	9,838.2	
7	\$2,898,420	89.97	7	\$5,651,090	9,882.3	
6	\$2,484,360	89.66	6	\$4,843,791	9,926.5	
5	\$2,070,300	89.34	5	\$4,036,493	9,970.7	
4	\$1,656,240	89.03	4	\$3,229,194	10,014.8	
3	\$1,242,180	88.72	3	\$2,421,896	10,059.0	
2	\$828,120	88.40	2	\$1,614,597	10,103.2	
1	\$414,060	88.09	1	\$807,299	10,147.3	
	\$0	87.77	0	\$0	10,191.5	
0	\$0	87.77	0.000	\$0	10,319.5 ****	
	\$0	87.77	0	\$0	10,266.5	
-1	(\$767,700)	87.14	0	\$0	10,341.5	
-2	(\$1,535,400)	86.51	-1	(\$807,299)	10,385.7	
-3	(\$2,303,100)	85.88	-2	(\$1,614,597)	10,429.8	
-4	(\$3,070,800)	85.25	-3	(\$2,421,896)	10,474.0	
-5	(\$3,838,500)	84.62	-4	(\$3,229,194)	10,518.2	
-6	(\$4,606,200)	83.98	-5	(\$4,036,493)	10,562.3	
-7	(\$5,373,900)	83.35	-6	(\$4,843,791)	10,606.5	
****	-7.893	(\$6,059,456)	82.79	-7	(\$5,651,090)	10,650.7
	-8	(\$6,141,600)	82.72	-8	(\$6,458,388)	10,694.8
	-9	(\$6,909,300)	82.09	-9	(\$7,265,687)	10,739.0
	-10	(\$7,677,000)	81.46	-10	(\$8,072,985)	10,783.2

Equivalent Availability  
Weighting Factor:

6.67%

Heat Rate  
Weighting Factor:

13.00%

Issued by: Duke Energy Florida

Filed:  
Suspended:  
Effective:  
Docket No. :  
Order No. :

Original Sheet No. 6 101.10

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida  
January 2014 - December 2014

Unit: Crystal River 5

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$3,301,900	91.68	10	\$7,899,450	9,753.7
9	\$2,971,710	91.45	9	\$7,109,505	9,798.7
8	\$2,641,520	91.22	8	\$6,319,560	9,843.8
7	\$2,311,330	91.00	7	\$5,529,615	9,888.8
6	\$1,981,140	90.77	6	\$4,739,670	9,933.8
5	\$1,650,950	90.54	5	\$3,949,725	9,978.8
4	\$1,320,760	90.31	4	\$3,159,780	10,023.9
3	\$990,570	90.09	3.763	\$2,972,563	10,034.5 ****
2	\$660,380	89.86	3	\$2,369,835	10,068.9
1	\$330,190	89.63	2	\$1,579,890	10,113.9
	\$0	89.40	1	\$789,945	10,158.9
0	\$0	89.40	0	\$0	10,203.9
	\$0	89.40	0	\$0	10,276.9
-1	(\$568,230)	88.94	0	\$0	10,353.9
-2	(\$1,136,460)	88.48	-1	(\$789,945)	10,399.0
****	-2.637	(\$1,498,423)	88.18	(\$1,579,890)	10,444.0
	-3	(\$1,704,690)	88.01	(\$2,369,835)	10,489.0
	-4	(\$2,272,920)	87.55	(\$3,159,780)	10,534.0
	-5	(\$2,841,150)	87.08	(\$3,949,725)	10,579.1
	-6	(\$3,409,380)	86.62	(\$4,739,670)	10,624.1
	-7	(\$3,977,610)	86.16	(\$5,529,615)	10,669.1
	-8	(\$4,545,840)	85.69	(\$6,319,560)	10,714.1
	-9	(\$5,114,070)	85.23	(\$7,109,505)	10,759.2
	-10	(\$5,682,300)	84.76	(\$7,899,450)	10,804.2

Equivalent Availability  
Weighting Factor:

5.32%

Heat Rate  
Weighting Factor:

12.72%

Issued by: Duke Energy Florida

Filed:  
Suspended:  
Effective:  
Docket No.:  
Order No.:

Original Sheet No. 6 101.11

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida  
January 2014 - December 2014

		Unit: Hines 1			
Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
****					
10	\$948,100	84.43	10	\$4,292,766	7,028.0
10	\$948,100	84.43	9	\$3,863,490	7,056.4
9	\$853,290	84.25	8	\$3,434,213	7,084.9
8	\$758,480	84.08	7	\$3,004,936	7,113.3
7	\$663,670	83.90	6	\$2,575,660	7,141.7
6	\$568,860	83.72	5	\$2,146,383	7,170.2
5	\$474,050	83.54	4	\$1,717,106	7,198.6
4	\$379,240	83.36	3	\$1,287,830	7,227.0
3	\$284,430	83.19	2	\$858,553	7,255.5
2	\$189,620	83.01	1	\$429,277	7,283.9
1	\$94,810	82.83	0	\$0	7,312.3
	\$0	82.65	0	\$0	7,387.3
0	\$0	82.65	0	\$0	7,462.3
	\$0	82.65	-0.278	(\$119,339)	7,470.2 ****
-1	(\$206,130)	82.29	-1	(\$429,277)	7,490.8
-2	(\$412,260)	81.93	-2	(\$858,553)	7,519.2
-3	(\$618,390)	81.57	-3	(\$1,287,830)	7,547.6
-4	(\$824,520)	81.20	-4	(\$1,717,106)	7,576.1
-5	(\$1,030,650)	80.84	-5	(\$2,146,383)	7,604.5
-6	(\$1,236,780)	80.48	-6	(\$2,575,660)	7,632.9
-7	(\$1,442,910)	80.12	-7	(\$3,004,936)	7,661.4
-8	(\$1,649,040)	79.76	-8	(\$3,434,213)	7,689.8
-9	(\$1,855,170)	79.39	-9	(\$3,863,490)	7,718.2
-10	(\$2,061,300)	79.03	-10	(\$4,292,766)	7,746.7

Equivalent Availability  
Weighting Factor:

1.53%

Heat Rate  
Weighting Factor:

6.91%

Issued by Duke Energy Florida

Filed:  
Suspended:  
Effective:  
Docket No.:  
Order No.:

Original Sheet No. 6.101.12

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida  
January 2014 - December 2014

Unit: Hines 2

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$612,000	88.70	10	\$3,805,478	6,919.5
9	\$550,800	88.56	9	\$3,424,930	6,941.2
8	\$489,600	88.42	8	\$3,044,382	6,963.0
7	\$428,400	88.28	7	\$2,663,835	6,984.7
6	\$367,200	88.14	6	\$2,283,287	7,006.5
5	\$306,000	87.99	5	\$1,902,739	7,028.2
4	\$244,800	87.85	4	\$1,522,191	7,050.0
3	\$183,600	87.71	3	\$1,141,643	7,071.7
2	\$122,400	87.57	2	\$761,096	7,093.4
1	\$61,200	87.43	1	\$380,548	7,115.2
	\$0	87.29	0	\$0	7,136.9
0	\$0	87.29	0	\$0	7,211.9
	\$0	87.29	0	\$0	7,286.9
-1	(\$103,380)	87.00	-1	(\$380,548)	7,308.7
-2	(\$206,760)	86.71	-2	(\$761,096)	7,330.4
-3	(\$310,140)	86.42	-3	(\$1,141,643)	7,352.2
-4	(\$413,520)	86.13	-4	(\$1,522,191)	7,373.9
-5	(\$516,900)	85.83	-5	(\$1,902,739)	7,395.7
-6	(\$620,280)	85.54	-6	(\$2,283,287)	7,417.4
-7	(\$723,660)	85.25	-7	(\$2,663,835)	7,439.2
-8	(\$827,040)	84.96	-8	(\$3,044,382)	7,460.9
-9	(\$930,420)	84.67	-9	(\$3,424,930)	7,482.7
-10	(\$1,033,800)	84.38	-10	(\$3,805,478)	7,504.4
****	(\$1,033,800)	84.38	-10	(\$3,805,478)	7,504.4 ****

Equivalent Availability  
Weighting Factor:  
-----  
0.99%

Heat Rate  
Weighting Factor:  
-----  
6.13%

Issued by: Duke Energy Florida

Filed:  
Suspended:  
Effective:  
Docket No.:  
Order No.:

Original Sheet No. 6.101.13

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida  
January 2014 - December 2014

Unit: Hines 3

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$116,700	91.13	10	\$4,223,534	7,019.0
9	\$105,030	91.11	9	\$3,801,181	7,041.1
8	\$93,360	91.09	8	\$3,378,828	7,063.1
7	\$81,690	91.07	7	\$2,956,474	7,085.2
6	\$70,020	91.04	6	\$2,534,121	7,107.2
5	\$58,350	91.02	5	\$2,111,767	7,129.3
4	\$46,680	91.00	4	\$1,689,414	7,151.4
3	\$35,010	90.98	3	\$1,267,060	7,173.4
2	\$23,340	90.96	2	\$844,707	7,195.5
1	\$11,670	90.94	1	\$422,353	7,217.5
	\$0	90.91	0	\$0	7,239.6
0	\$0	90.91	0.000	\$0	7,311.7 ****
	\$0	90.91	0	\$0	7,314.6
-1	(\$137,680)	90.87	0	\$0	7,389.6
-2	(\$275,360)	90.82	-1	(\$422,353)	7,411.7
-3	(\$413,040)	90.78	-2	(\$844,707)	7,433.7
-4	(\$550,720)	90.73	-3	(\$1,267,060)	7,455.8
-5	(\$688,400)	90.69	-4	(\$1,689,414)	7,477.8
-6	(\$826,080)	90.64	-5	(\$2,111,767)	7,499.9
-7	(\$963,760)	90.60	-6	(\$2,534,121)	7,522.0
-8	(\$1,101,440)	90.55	-7	(\$2,956,474)	7,544.0
-9	(\$1,239,120)	90.51	-8	(\$3,378,828)	7,566.1
-10	(\$1,376,800)	90.46	-9	(\$3,801,181)	7,588.1
****					
-10	(\$1,376,800)	90.46	-10	(\$4,223,534)	7,610.2

Equivalent Availability  
Weighting Factor:

0.19%

Heat Rate  
Weighting Factor:

6.80%

Issued by: Duke Energy Florida

Filed:  
Suspended:  
Effective:  
Docket No.:  
Order No.:

Original Sheet No. 6.101.14

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida  
January 2014 - December 2014

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Unit. Hines 4		Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
		Equivalent Availability (%)	Average Heat Rate (Points)		
10	\$1,042,500	91.18	10	\$4,324,578	6,645.7
9	\$938,250	91.10	9	\$3,892,120	6,665.7
8	\$834,000	91.02	8	\$3,459,662	6,685.7
7	\$729,750	90.94	7	\$3,027,204	6,705.7
6	\$625,500	90.86	6	\$2,594,747	6,725.8
5	\$521,250	90.78	5	\$2,162,289	6,745.8
4	\$417,000	90.70	4	\$1,729,831	6,765.8
3	\$312,750	90.63	3	\$1,297,373	6,785.8
2	\$208,500	90.55	2	\$864,916	6,805.8
1	\$104,250	90.47	1	\$432,458	6,825.8
	\$0	90.39	0	\$0	6,845.8
0	\$0	90.39	0	\$0	6,920.8
	\$0	90.39	0	\$0	6,995.8
-1	(\$99,840)	90.22	-1	(\$432,458)	7,015.8
-2	(\$199,680)	90.06	-1.964	(\$849,347)	7,035.1 ****
-3	(\$299,520)	89.89	-2	(\$864,916)	7,035.8
-4	(\$399,360)	89.73	-3	(\$1,297,373)	7,055.9
****	-4.929	(\$492,111)	89.58	(\$1,729,831)	7,075.9
	-5	(\$499,200)	89.56	(\$2,162,289)	7,095.9
	-6	(\$599,040)	89.40	(\$2,594,747)	7,115.9
	-7	(\$698,880)	89.23	(\$3,027,204)	7,135.9
	-8	(\$798,720)	89.07	(\$3,459,662)	7,155.9
	-9	(\$898,560)	88.91	(\$3,892,120)	7,175.9
	-10	(\$998,400)	88.74	(\$4,324,578)	7,195.9

Equivalent Availability  
Weighting Factor:

1.68%

Heat Rate  
Weighting Factor:

6.96%

Issued by: Duke Energy Florida

Filed:  
Suspended:  
Effective:  
Docket No.:  
Order No.:

ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

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	98.38	98.11	99.15	69.06	51.32	82.10
2 PH	744	872	743	720	744	720	744	744	720	744	721	744	6,760
3 SH	742.2	880.1	647.9	358.5	308.7	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	381.5	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	678.9
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	589.8
8 MOH	0.0	0.0	52.8	0.0	0.0	6.6	0.0	2.9	5.5	0.0	6.3	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	20.6	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)	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074
16 OPER MBTU	5,364,255	4,662,369	4,443,220	3,075,879	3,285,340	4,892,499	5,343,338	4,644,965	5,094,942	5,271,137	3,923,207	2,855,700	53,038,659
17 NET GEN (MWH)	748,729	642,025	607,064	331,648	267,888	625,195	716,262	719,818	689,127	718,946	434,077	281,389	6,799,969
18 ANOHR (BTU/KWH)	7,164.5	7,282.0	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	90.58	87.24	86.13	87.34	88.64	89.64	91.30	90.40	91.51	89.94	91.80	89.94
20 NPC (MW)	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074
ANOHR EQUATION	ANOHR =	-5.036	x NOF +	7.759 06									

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Filed  
Suspended  
Effective  
Docket No  
Order No



Original Sheet No. 6 101 16

ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

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	78.49	91.28	83.80	89.88	78.35	91.98	100.00	97.29	47.10	89.67	83.79
2 PH	744	872	743	720	744	720	744	744	720	744	721	744	8,760
3 SH	414.9	401.8	589.8	858.0	627.0	847.0	617.0	688.6	720.0	738.7	339.8	476.8	7,087.2
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	82.0	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	82.0	0.0	73.0	57.0	57.4	0.0	5.3	1.4	67.4	851.4
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	8.0	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	178.0	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	2.8	20.2	160.6
14 LR PM (MW)	116.2	189.3	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	2,800,473	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	1,898,766	2,665,017	40,608,537
17 NET GEN (MWH)	250,698	225,525	335,143	397,938	375,615	380,256	326,445	409,328	415,583	394,889	159,917	262,832	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	9,874.1	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
ANOHR EQUATION	ANOHR=	-16.162	x NOF +	11,529.58									

Issued by Duke Energy Florida

Filed  
Suspended  
Effective  
Docket No  
Order No

Original Sheet No 6 101 17

ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

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	49.60	99.37	85.89	84.77	89.81	99.80	88.12	97.77	88.17	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	542.0	613.0	666.2	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	587.8	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	158.8	91.0	92.7
15 NSC (MW)	710	710	710	710	710	710	710	710	710	710	710	710	710
16 OPER MBTU	3,805,852	3,462,031	2,049,803	4,255,527	3,764,543	3,724,765	3,655,714	4,380,496	3,530,758	3,813,188	3,403,135	4,387,022	44,241,614
17 NET GEN (MWH)	389,220	358,201	208,286	433,804	388,498	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	9,648.6	9,794.7	9,922.9
19 NOF (%)	87.93	93.24	77.40	84.86	84.80	78.64	80.97	82.13	74.72	72.75	78.67	84.78	81.72
20 NPC (MW)	710	710	710	710	710	710	710	710	710	710	710	710	710
ANOHR EQUATION	ANOHR =	-22.841	x NOF +	12,017.48									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Lines 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 80	95 38	99 79	99 41	94 82	100 00	100 00	98 97
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 8
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 6	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	895,155	2,273,373	2,119,808	2,332,837	2,541,575	2,204,999	2,067,219	2,532,396	2,550,398	25,474,987
17 NET GEN (MWH)	288,843	292,073	276,429	81,914	303,488	284,883	308,916	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	6,882 8	7,025 6	7,508 8	7,320 9	7,331 4
19 NOF (%)	98 36	93 66	98 92	88 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
ANOHR EQUATION	ANOHR=	-13 720	= NOF *	8,549 81									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Lines 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	872	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	55.8	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	1,895,005	294,120	1,950,560	2,292,997	2,314,389	2,083,510	471,938	0	0	0	0	0	11,102,539
17 NET GEN (MWH)	221,804	37,816	261,867	313,969	300,792	279,209	64,295	0	0	0	0	0	1,479,552
18 ANOHR (BTU/KWH)	7,846.6	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	82.46	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
ANOHR EQUATION	ANOHR =	-4.998	x NOF +	7,597.40									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Lines 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	88.37
2 PH	744	672	743	720	744	720	744	744	720	744	721	744	8,780
3 SH	704.5	154.4	120.0	715.1	648.0	720.0	588.2	744.0	580.5	628.4	721.0	545.5	6,857.4
4 RSH	38.2	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	108.7	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	38.7
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	18.0
12 LR PF (MW)	0.0	0.0	0.0	0.0	88.0	0.0	0.0	0.0	0.0	88.0	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	2,281,854	401,229	351,207	2,223,381	1,778,020	2,279,277	1,924,516	2,371,146	2,134,463	2,228,638	2,529,980	1,078,313	22,460,021
17 NET GEN (MWH)	313,782	51,848	41,099	313,930	268,278	318,145	273,841	347,538	283,294	294,000	384,653	268,277	3,118,883
18 ANOHR (BTU/KWH)	7,208.4	7,738.6	8,545.4	7,082.4	8,620.1	7,164.3	7,027.8	8,822.7	8,106.8	7,580.4	8,938.0	7,374.1	7,201.6
19 NOF (%)	91.27	68.82	70.20	89.96	84.83	90.55	93.81	95.72	98.27	96.19	103.64	100.78	93.19
20 NPC (MW)	488	488	488	488	488	488	488	488	488	488	488	488	488
ANOHR EQUATION	ANOHR =	-11,200	x NOF +	8,248.46									

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Original Sheet No 610121

ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Units	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	872	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	894.1	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	16.0	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	48.6	0.0	0.0	0.0	0.0	48.6
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	2,390,761	2,277,278	2,381,343	2,245,128	2,385,068	2,519,588	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	348,878	311,602	247,666	46,001	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	6,808.1	7,082.2	7,287.6	6,882.4	7,018.1
19 NOF (%)	92.61	88.67	99.03	95.68	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
ANOHR EQUATION	ANOHR =	-3.914	x NOF =	7.27289									

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PLANNED OUTAGE SCHEDULES  
ACTUAL

Duke Energy Florida  
January 2014 - December 2014

<u>Plant/Unit</u>	<u>Planned Outage Dates</u>	<u>Reason for Outage</u>
Bartow CC	03/26 (2300) - 05/25 (1000)	Gas Turbine Inspection
Bartow CC	11/10 (2000) - 12/30 (2300)	Boroscope Inspection, Turbine Buckets, Distributive Control System
Crystal River 4	11/15 (0400) - 11/30 (2200)	Boiler Inspections
Crystal River 5	02/23 (1300) - 03/15 (0900)	Boiler Overhaul
Hines 3	03/08 (0000) - 03/29 (1400)	Gas Turbine Inspection
Hines 4	11/06 (2300) - 11/28 (2200)	Gas Turbine Inspection

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Docket No.  
Order No

Original Sheet No. 6.101.23

Planned Outage Schedule - Actual													
January 2014 - December 2014												Duke Energy Florida	
	January	February	March	April	May	June	July	August	September	October	November	December	
Bartow CC			3/28	Gas Turbine Inspection ██████████		5/25						11/10	12/30
				81 days								51 days	
Crystal River 4												11/15	11/30
												Boiler Inspections 16 days	
Crystal River 5		2/23	Boiler Overhaul ██████████		3/15								
			21 days										
Hines 3			3/28	Gas Turbine Inspection ██████████		3/29						11/26	12/11
				22 days								Combustion Inspections 15 days	
Hines 4											11/26	11/28	
											Gas Turbine Inspection 23 days		

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