

**PROGRESS ENERGY FLORIDA**

**DOCKET NO. 090001-EI**

**GPIF Reward/Penalty Amount for  
January through December 2008**

**DIRECT TESTIMONY OF  
ROBERT M. OLIVER**

**April 3, 2009**

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

2 A. My name is Robert M. Oliver. My business address is 410 South Wilmington  
3 Street, Raleigh, North Carolina, 27601.

4  
5 **Q. By whom are you employed and in what capacity?**

6 A. I am employed by Progress Energy Carolinas as Manager of Portfolio  
7 Management.

8  
9 **Q. Describe your responsibilities as Manager of Portfolio Management.**

10 A. As Manager of Portfolio Management, I am responsible for managing the  
11 development and application of the model, analysis and data used for the  
12 short term generation planning. As relates to this process, my duties include  
13 responsibility for the preparation of the information and material required by  
14 the Commission's GPIF True-Up and Targets mechanisms.

15

DOCUMENT NUMBER-DATE

02956 APR-3 8

FPSC-COMMISSION CLERK

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

2 A. The purpose of my testimony is to describe the calculation of PEF's GPIF  
3 reward/penalty amount for the period of January through December 2008.  
4 This calculation was based on a comparison of the actual performance of  
5 PEF's ten GPIF generating units for this period against the approved targets  
6 set for these units prior to the actual performance period.

7

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

9 A. Yes, I am sponsoring Exhibit No. \_\_\_\_\_ (RMO-1T), which consists of the  
10 schedules required by the GPIF Implementation Manual to support the  
11 development of the incentive amount. This 30-page exhibit is attached to my  
12 prepared testimony and includes as its first page an index to the contents of  
13 the exhibit.

14

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

16 A. PEF's calculated GPIF incentive amount is a penalty of \$531,150. This  
17 amount was developed in a manner consistent with the GPIF Implementation  
18 Manual. Page 2 of my exhibit shows the system GPIF points and the  
19 corresponding reward (penalty). The summary of weighted incentive points  
20 earned by each individual unit can be found on page 4 of my exhibit.

21

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

24 A. The calculation of incentive points was made by comparing the adjusted  
25 actual performance data for equivalent availability and heat rate to the target

1 performance indicators for each unit. This comparison is shown on each  
2 unit's Generating Performance Incentive Points Table found on pages 9  
3 through 18 of my exhibit.

4  
5 **Q. Why is it necessary to make adjustments to the actual performance data**  
6 **for comparison with the targets?**

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

18  
19 **Q. Have you provided the as-worked planned outage schedules for PEF's**  
20 **GPIF units to support your adjustments to actual equivalent availability?**

21 A. Yes. Page 29 of my exhibit summarizes the planned outages experienced by  
22 PEF's GPIF units during the period. Page 30 presents an as-worked  
23 schedule for each individual planned outage.

24

1 Q. Does this conclude your testimony?

2 A. Yes.

**GPIF REWARD/PENALTY SCHEDULES**

<b><u>Description</u></b>	<b><u>Sheet</u></b>
Index	1
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Calculation of System Actual GPIF Points	4
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## GENERATING PERFORMANCE INCENTIVE FACTOR

## REWARD/PENALTY TABLE

## ACTUAL

Progress Energy Florida  
January 2008 - December 2008

Generating Performance Incentive Points (GPIF)	Fuel Savings/Loss (\$)	Generating Performance Incentive Factor (\$)
10	\$ 102,814,332	\$ 12,497,638
9	\$ 92,532,898	\$ 11,247,874
8	\$ 82,251,465	\$ 9,998,110
7	\$ 71,970,032	\$ 8,748,347
6	\$ 61,688,599	\$ 7,498,583
5	\$ 51,407,166	\$ 6,248,819
4	\$ 41,125,733	\$ 4,999,055
3	\$ 30,844,299	\$ 3,749,291
2	\$ 20,562,866	\$ 2,499,528
1	\$ 10,281,433	\$ 1,249,764
0	\$ -	\$ -
**** -0.425	\$ (7,298,799)	\$ (531,150)
-1	\$ (17,173,645)	\$ (1,249,764)
-2	\$ (34,347,290)	\$ (2,499,528)
-3	\$ (51,520,935)	\$ (3,749,291)
-4	\$ (68,694,580)	\$ (4,999,055)
-5	\$ (85,868,225)	\$ (6,248,819)
-6	\$ (103,041,870)	\$ (7,498,583)
-7	\$ (120,215,515)	\$ (8,748,347)
-8	\$ (137,389,160)	\$ (9,998,110)
-9	\$ (154,562,805)	\$ (11,247,874)
-10	\$ (171,736,450)	\$ (12,497,638)

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## GENERATION PERFORMANCE INCENTIVE FACTOR

## CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS

Progress Energy Florida  
January 2008 - December 2008

1	Beginning of period balance of common equity	\$ 3,002,315,451	
	END OF MONTH BALANCE OF COMMON EQUITY:		
2	Month of JANUARY 2008	\$ 3,028,558,736	
3	Month of FEBRUARY 2008	\$ 3,048,948,376	
4	Month of MARCH 2008	\$ 3,065,011,242	
5	Month of APRIL 2008	\$ 3,097,170,793	
6	Month of MAY 2008	\$ 3,149,478,203	
7	Month of JUNE 2008	\$ 3,205,809,578	
8	Month of JULY 2008	\$ 3,252,458,626	
9	Month of AUGUST 2008	\$ 3,300,500,577	
10	Month of SEPTEMBER 2008	\$ 3,350,443,232	
11	Month of OCTOBER 2008	\$ 3,367,545,144	
12	Month of NOVEMBER 2008	\$ 3,382,882,159	
13	Month of DECEMBER 2008	\$ 3,400,732,594	
14	Average common equity for the period	\$ 3,203,988,824	
15	25 Basis Points		0.0025
16	Revenue Expansion Factor		61.3808%
17	Maximum allowed incentive dollars	\$ 13,049,638	
18	Jurisdictional Sales *	38,555,709	MWH
19	Total Sales *	40,257,475	MWH
20	Jurisdictional Separation Factor		95.7700%
21	Maximum allowed jurisdictional incentive dollars	\$ 12,497,638	
*	Net sales (Sales - Interruptible)		

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## GENERATION PERFORMANCE INCENTIVE FACTOR

## CALCULATION OF SYSTEM ACTUAL GPIF POINTS

Progress Energy Florida  
January 2008 - December 2008

<u>Plant/Unit</u>	<u>Performance Indicator EAF or ANOHR</u>	<u>Weighting Factor %</u>	<u>Unit Points</u>	<u>Weighted Unit Points</u>
Anclole 1	EAF	0.38	1.326	0.005
	ANOHR	6.14	-10.000	-0.614
Anclole 2	EAF	0.11	8.686	0.009
	ANOHR	3.79	-10.000	-0.379
Crystal River 1	EAF	5.39	-10.000	-0.539
	ANOHR	1.91	0.000	0.000
Crystal River 2	EAF	12.82	10.000	1.282
	ANOHR	2.63	0.000	0.000
Crystal River 3	EAF	6.93	3.181	0.220
	ANOHR	6.96	0.000	0.000
Crystal River 4	EAF	7.34	-7.027	-0.516
	ANOHR	3.02	-4.458	-0.135
Crystal River 5	EAF	10.32	-0.136	-0.014
	ANOHR	6.34	2.878	0.183
Hines 1	EAF	0.31	-10.000	-0.031
	ANOHR	11.32	0.000	0.000
Hines 2	EAF	0.03	-10.000	-0.003
	ANOHR	7.34	0.000	0.000
Tiger Bay	EAF	0.37	-10.000	-0.037
	ANOHR	6.56	2.193	0.144
GPIF System		100.00		-0.425

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**GENERATION PERFORMANCE INCENTIVE FACTOR  
GPIF UNIT PERFORMANCE SUMMARY**

Progress Energy Florida  
January 2008 - December 2008

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. (%)				
Andote 1	0.38	91.62	93.51	87.70	\$393.0	(\$2,528.2)	91.87	\$52.1
Andote 2	0.11	83.03	85.60	77.80	\$108.5	(\$3,912.5)	85.27	\$94.2
Crystal River 1	5.39	92.48	96.01	85.30	\$5,544.8	(\$14,744.5)	83.16	(\$14,744.5)
Crystal River 2	12.82	84.16	89.46	73.85	\$13,175.7	(\$27,080.4)	90.54	\$13,175.7
Crystal River 3	6.93	96.78	98.30	93.65	\$7,120.9	(\$17,380.9)	97.27	\$2,265.2
Crystal River 4	7.34	83.52	85.87	78.73	\$7,551.3	(\$19,991.3)	80.16	(\$14,047.9)
Crystal River 5	10.32	93.17	96.37	86.70	\$10,609.3	(\$23,673.4)	93.08	(\$322.0)
Hines 1	0.31	83.48	85.21	79.89	\$322.5	(\$2,307.6)	77.91	(\$2,307.6)
Hines 2	0.03	88.47	89.79	85.78	\$34.8	(\$1,746.2)	84.19	(\$1,746.2)
Tiger Bay	0.37	77.66	78.93	74.99	\$384.4	(\$802.3)	59.77	(\$802.3)

GPIF System	44.01				\$45,245.1	(\$114,167.2)		(\$18,383.2)
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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)				
Andote 1	6.14	10,212.6	47.4	9,845.3	10,579.8	\$6,308.2	(\$6,308.2)	10,828.8	(\$6,308.2)
Andote 2	3.79	10,298.5	41.1	10,016.4	10,580.6	\$3,898.7	(\$3,898.7)	10,826.5	(\$3,898.7)
Crystal River 1	1.91	10,279.4	76.0	10,019.0	10,539.8	\$1,960.3	(\$1,960.3)	10,259.2	\$0.0
Crystal River 2	2.83	9,823.9	78.1	9,539.9	10,107.8	\$2,702.2	(\$2,702.2)	9,875.4	\$0.0
Crystal River 3	6.96	10,320.6	98.0	10,159.0	10,482.2	\$7,154.6	(\$7,154.6)	10,311.2	\$0.0
Crystal River 4	3.02	9,480.0	89.3	9,271.7	9,688.4	\$3,103.5	(\$3,103.5)	9,614.5	(\$1,383.5)
Crystal River 5	6.34	9,592.6	88.9	9,200.9	9,984.2	\$6,523.4	(\$6,523.4)	9,426.4	\$1,877.4
Hines 1	11.32	7,348.6	80.9	6,788.5	7,908.8	\$11,634.8	(\$11,634.8)	7,330.1	\$0.0
Hines 2	7.34	7,016.8	80.1	6,607.9	7,425.6	\$7,542.6	(\$7,542.6)	7,050.8	\$0.0
Tiger Bay	6.56	7,973.1	87.5	7,144.2	8,802.0	\$6,741.1	(\$6,741.1)	7,732.8	\$1,478.3

GPIF System	55.99				\$57,569.3	(\$57,569.3)		(\$8,234.6)
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GENERATION PERFORMANCE INCENTIVE FACTOR  
ACTUAL UNIT PERFORMANCE DATA

Progress Energy Florida  
January 2008 - December 2008

Plant/Unit	ACTUAL EAF %	ADJUSTMENTS (1) TO EAF %	ADJUSTED ACTUAL EAF %
Anclole 1	85.86	6.01	91.87
Anclole 2	85.40	-0.13	85.27
Crystal River 1	79.63	3.53	83.16
Crystal River 2	90.50	0.04	90.54
Crystal River 3	94.68	2.59	97.27
Crystal River 4	77.85	2.31	80.16
Crystal River 5	93.08	0.00	93.08
Hines 1	84.45	-6.54	77.91
Hines 2	74.82	9.37	84.19
Tiger Bay	65.35	-5.58	59.77

Plant/Unit	ACTUAL ANOHR BTU/KWH	ADJUSTMENTS (2) TO ANOHR BTU/KWH	ADJUSTED ACTUAL ANOHR BTU/KWH
Anclole 1	10,984.0	-155.2	10,828.8
Anclole 2	10,888.2	-61.7	10,826.5
Crystal River 1	10,293.6	-34.4	10,259.2
Crystal River 2	9,972.3	-96.9	9,875.4
Crystal River 3	10,258.5	52.6	10,311.2
Crystal River 4	9,683.7	-69.3	9,614.5
Crystal River 5	9,599.3	-172.9	9,426.4
Hines 1	7,387.3	-57.2	7,330.1
Hines 2	7,049.3	1.5	7,050.8
Tiger Bay	7,722.9	9.9	7,732.8

(1) For documentation of adjustments to actual EAF, see sheet 6.

(2) For documentation of adjustments to actual ANOHR, see sheet 7.

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GENERATION PERFORMANCE INCENTIVE FACTOR  
ADJUSTMENTS TO EAF ACTUAL

Progress Energy Florida  
January 2006 - December 2006

EAF adjustments for Planned Outage Hours			Andote 1 <u>AN1</u>	Andote 2 <u>AN2</u>	Crystal River 1 <u>CR1</u>	Crystal River 2 <u>CR2</u>	Crystal River 3 <u>CR3</u>	Crystal River 4 <u>CR4</u>	Crystal River 5 <u>CR5</u>	Hines 1 <u>HN1</u>	Hines 2 <u>HN2</u>	Tiger Bay <u>TB</u>
1	Actual POH	Hrs.	933.50	995.90	373.10	387.68	233.55	1,231.74	0.00	485.45	1,860.35	1069.65
2	Target POH	Hrs.	384.00	1,008.00	0.00	384.00	0.00	1,008.00	0.00	1,128.00	768.00	1728.00
3	Adj. Factor (PH-POHT/PH-POHA)		1.07	1.00	1.04	1.00	1.03	1.03	1.00	0.92	1.13	0.91
4	Actual EUOH	Hrs.	308.34	286.76	1,416.53	447.03	233.64	714.02	807.52	880.70	551.58	1974.17
5	Adj. EUOH (3*4)	Hrs.	329.92	286.31	1,479.37	447.22	240.03	735.17	807.52	812.51	620.68	1805.69
6	Actual EAF	%	85.86	85.40	79.63	90.50	94.68	77.85	93.08	84.45	74.82	55.35
7	Adjusted EAF (using 2 & 5)	%	91.87	85.27	83.16	90.54	97.27	80.16	93.08	77.91	84.19	59.77
8	Difference (7-6)	%	6.01	-0.13	3.53	0.04	2.59	2.31	0.00	-6.54	9.37	-5.58
9	Total adj. to EAF	%	6.01	-0.13	3.53	0.04	2.59	2.31	0.00	-6.54	9.37	-5.58

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GENERATION PERFORMANCE INCENTIVE FACTOR  
ADJUSTMENTS TO ANOHR ACTUAL

Progress Energy Florida  
January 2008 - December 2008

ANOHR adjustments for <u>Target NOF</u>			Anclote 1 <u>AN1</u>	Anclote 2 <u>AN2</u>	Crystal River 1 <u>CR1</u>	Crystal River 2 <u>CR2</u>	Crystal River 3 <u>CR3</u>	Crystal River 4 <u>CR4</u>	Crystal River 5 <u>CR5</u>	Hines 1 <u>HN1</u>	Hines 2 <u>HN2</u>	Tiger Bay <u>TB</u>
1	Target NOF	%	47.4	41.1	76.0	78.1	98.0	88.3	88.9	80.9	80.1	87.5
2	Target ANOHR	Btu/kwh	10212.6	10298.5	10279.4	9923.9	10320.6	9480.0	9592.6	7348.9	7016.8	7973.1
3	Actual NOF	%	37.3	36.1	73.9	73.8	101.9	82.3	81.9	78.8	82.4	88.5
4	Calc. ANOHR (using 3)	Btu/kwh	10,367.7	10,360.2	10,313.9	9,920.7	10,269.0	9,549.3	9,765.4	7,405.9	7,015.3	7,963.2
5	Total adj. to ANOHR (2-4)	Btu/kwh	-155.2	-81.7	-34.4	-96.9	52.6	-69.3	-172.9	-57.2	1.5	9.9

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## GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Progress Energy Florida  
January 2008 - December 2008

Unit: Ancote 1

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$392,952	93.51	10	\$6,308,169	9,845.3
9	\$353,657	93.33	9	\$5,677,352	9,874.6
8	\$314,361	93.14	8	\$5,046,535	9,903.8
7	\$275,066	92.95	7	\$4,415,718	9,933.0
6	\$235,771	92.76	6	\$3,784,901	9,962.2
5	\$196,476	92.57	5	\$3,154,084	9,991.5
4	\$157,181	92.38	4	\$2,523,267	10,020.7
3	\$117,886	92.19	3	\$1,892,451	10,049.9
2	\$78,590	92.00	2	\$1,261,634	10,079.1
1.326	\$52,105	91.87	1	\$630,817	10,108.4
1	\$39,295	91.81	0	\$0	10,137.6
	\$0	91.62	0	\$0	10,212.6
0	\$0	91.62	0	\$0	10,287.6
	\$0	91.62	-1	(\$630,817)	10,316.8
-1	(\$252,822)	91.23	-2	(\$1,261,634)	10,346.0
-2	(\$505,645)	90.84	-3	(\$1,892,451)	10,375.3
-3	(\$758,467)	90.44	-4	(\$2,523,267)	10,404.5
-4	(\$1,011,290)	90.05	-5	(\$3,154,084)	10,433.7
-5	(\$1,264,112)	89.66	-6	(\$3,784,901)	10,462.9
-6	(\$1,516,935)	89.27	-7	(\$4,415,718)	10,492.2
-7	(\$1,769,757)	88.87	-8	(\$5,046,535)	10,521.4
-8	(\$2,022,579)	88.48	-9	(\$5,677,352)	10,550.6
-9	(\$2,275,402)	88.09	-10	(\$6,308,169)	10,579.8
-10	(\$2,528,224)	87.70	-10	(\$6,308,169)	10,579.8 ****

Equivalent Availability  
Weighting Factor:

0.38%

Heat Rate  
Weighting Factor:

6.14%

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## GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Progress Energy Florida  
January 2008 - December 2008

Unit: Ancote 2

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$108,456	85.60	10	\$3,898,679	10,016.4
9	\$97,610	85.35	9	\$3,508,811	10,037.1
8.686	\$94,205	85.27	8	\$3,118,943	10,057.8
8	\$86,764	85.09	7	\$2,729,075	10,078.5
7	\$75,919	84.83	6	\$2,339,207	10,099.2
6	\$65,073	84.57	5	\$1,949,340	10,119.9
5	\$54,228	84.32	4	\$1,559,472	10,140.6
4	\$43,382	84.06	3	\$1,169,604	10,161.3
3	\$32,537	83.80	2	\$779,736	10,182.0
2	\$21,691	83.54	1	\$389,868	10,202.8
1	\$10,846	83.28	0	\$0	10,223.5
	\$0	83.03	0	\$0	10,298.5
0	\$0	83.03	0	\$0	10,373.5
	\$0	83.03	-1	(\$389,868)	10,394.2
-1	(\$391,247)	82.50	-2	(\$779,736)	10,414.9
-2	(\$782,493)	81.98	-3	(\$1,169,604)	10,435.6
-3	(\$1,173,740)	81.46	-4	(\$1,559,472)	10,456.3
-4	(\$1,564,986)	80.94	-5	(\$1,949,340)	10,477.0
-5	(\$1,956,233)	80.41	-6	(\$2,339,207)	10,497.7
-6	(\$2,347,479)	79.89	-7	(\$2,729,075)	10,518.4
-7	(\$2,738,726)	79.37	-8	(\$3,118,943)	10,539.1
-8	(\$3,129,973)	78.85	-9	(\$3,508,811)	10,559.9
-9	(\$3,521,219)	78.32	-10	(\$3,898,679)	10,580.6
-10	(\$3,912,466)	77.80	-10	(\$3,898,679)	10,580.6

Equivalent Availability  
Weighting Factor:

0.11%

Heat Rate  
Weighting Factor:

3.79%

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## GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Progress Energy Florida  
January 2008 - December 2008

Unit: Crystal River 1

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$5,544,841	96.01	10	\$1,960,273	10,019.0
9	\$4,990,357	95.65	9	\$1,764,246	10,037.6
8	\$4,435,873	95.30	8	\$1,568,219	10,056.1
7	\$3,881,389	94.95	7	\$1,372,191	10,074.7
6	\$3,326,905	94.59	6	\$1,176,164	10,093.2
5	\$2,772,421	94.24	5	\$980,137	10,111.7
4	\$2,217,937	93.89	4	\$784,109	10,130.3
3	\$1,663,452	93.54	3	\$588,082	10,148.8
2	\$1,108,968	93.18	2	\$392,055	10,167.3
1	\$554,484	92.83	1	\$196,027	10,185.9
	\$0	92.48	0	\$0	10,204.4
0	\$0	92.48	0.000	\$0	10,259.2 ****
	\$0	92.48	0	\$0	10,279.4
-1	(\$1,474,451)	91.76	0	\$0	10,354.4
-2	(\$2,948,902)	91.04	-1	(\$196,027)	10,373.0
-3	(\$4,423,353)	90.32	-2	(\$392,055)	10,391.5
-4	(\$5,897,803)	89.61	-3	(\$588,082)	10,410.0
-5	(\$7,372,254)	88.89	-4	(\$784,109)	10,428.6
-6	(\$8,846,705)	88.17	-5	(\$980,137)	10,447.1
-7	(\$10,321,156)	87.45	-6	(\$1,176,164)	10,465.7
-8	(\$11,795,607)	86.73	-7	(\$1,372,191)	10,484.2
-9	(\$13,270,058)	86.02	-8	(\$1,568,219)	10,502.7
-10	(\$14,744,509)	85.30	-9	(\$1,764,246)	10,521.3
****			-10	(\$1,960,273)	10,539.8

Equivalent Availability  
Weighting Factor:

5.39%

Heat Rate  
Weighting Factor:

1.91%

Issued by: Progress Energy Florida

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

## GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Progress Energy Florida  
January 2008 - December 2008

Unit: Crystal River 2

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
****					
10	\$13,175,692	89.46	10	\$2,702,182	9,539.9
10	\$13,175,692	89.46	9	\$2,431,964	9,560.8
9	\$11,858,122	88.93	8	\$2,161,746	9,581.7
8	\$10,540,553	88.40	7	\$1,891,527	9,602.6
7	\$9,222,984	87.87	6	\$1,621,309	9,623.5
6	\$7,905,415	87.34	5	\$1,351,091	9,644.4
5	\$6,587,846	86.81	4	\$1,080,873	9,665.3
4	\$5,270,277	86.28	3	\$810,655	9,686.2
3	\$3,952,707	85.75	2	\$540,436	9,707.1
2	\$2,635,138	85.22	1	\$270,218	9,728.0
1	\$1,317,569	84.69	0	\$0	9,748.9
	\$0	84.16	0	\$0	9,823.9
0	\$0	84.16	0.000	\$0	9,875.4 ****
	\$0	84.16	0	\$0	9,898.9
-1	(\$2,708,039)	83.13	-1	(\$270,218)	9,919.8
-2	(\$5,416,079)	82.10	-2	(\$540,436)	9,940.7
-3	(\$8,124,118)	81.07	-3	(\$810,655)	9,961.6
-4	(\$10,832,158)	80.04	-4	(\$1,080,873)	9,982.4
-5	(\$13,540,197)	79.01	-5	(\$1,351,091)	10,003.3
-6	(\$16,248,237)	77.97	-6	(\$1,621,309)	10,024.2
-7	(\$18,956,276)	76.94	-7	(\$1,891,527)	10,045.1
-8	(\$21,664,316)	75.91	-8	(\$2,161,746)	10,066.0
-9	(\$24,372,355)	74.88	-9	(\$2,431,964)	10,086.9
-10	(\$27,080,395)	73.85	-10	(\$2,702,182)	10,107.8

Equivalent Availability  
Weighting Factor:

12.82%

Heat Rate  
Weighting Factor:

2.63%

Issued by: Progress Energy Florida

Filed:  
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Effective:  
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## GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Progress Energy Florida  
January 2008 - December 2008

Unit: Crystal River 3

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)	
10	\$7,120,913	98.30	10	\$7,154,633	10,159.0	
9	\$6,408,822	98.15	9	\$6,439,170	10,167.7	
8	\$5,696,731	98.00	8	\$5,723,707	10,176.3	
7	\$4,984,639	97.85	7	\$5,008,243	10,185.0	
6	\$4,272,548	97.70	6	\$4,292,780	10,193.7	
5	\$3,560,457	97.54	5	\$3,577,317	10,202.3	
4	\$2,848,365	97.39	4	\$2,861,853	10,211.0	
****	3.181	\$2,265,163	97.27	3	\$2,146,390	10,219.6
	3	\$2,136,274	97.24	2	\$1,430,927	10,228.3
	2	\$1,424,183	97.09	1	\$715,463	10,236.9
	1	\$712,091	96.94	0	\$0	10,245.6
		\$0	96.78	0.000	\$0	10,311.2 ****
	0	\$0	96.78	0	\$0	10,320.6
		\$0	96.78	0	\$0	10,395.6
	-1	(\$1,738,087)	96.47	-1	(\$715,463)	10,404.3
	-2	(\$3,476,173)	96.16	-2	(\$1,430,927)	10,412.9
	-3	(\$5,214,260)	95.84	-3	(\$2,146,390)	10,421.6
	-4	(\$6,952,347)	95.53	-4	(\$2,861,853)	10,430.2
	-5	(\$8,690,434)	95.22	-5	(\$3,577,317)	10,438.9
	-6	(\$10,428,520)	94.90	-6	(\$4,292,780)	10,447.5
	-7	(\$12,166,607)	94.59	-7	(\$5,008,243)	10,456.2
	-8	(\$13,904,694)	94.27	-8	(\$5,723,707)	10,464.9
	-9	(\$15,642,780)	93.96	-9	(\$6,439,170)	10,473.5
	-10	(\$17,380,867)	93.65	-10	(\$7,154,633)	10,482.2

Equivalent Availability  
Weighting Factor:

6.93%

Heat Rate  
Weighting Factor:

6.96%

Issued by: Progress Energy Florida

Filed:  
Suspended:  
Effective:  
Docket No.:  
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## GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Progress Energy Florida  
January 2008 - December 2008

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	\$7,551,276	85.87	10	\$3,103,486	9,271.7
9	\$6,796,149	85.64	9	\$2,793,137	9,285.0
8	\$6,041,021	85.40	8	\$2,482,788	9,298.4
7	\$5,285,893	85.17	7	\$2,172,440	9,311.7
6	\$4,530,766	84.93	6	\$1,862,091	9,325.0
5	\$3,775,638	84.70	5	\$1,551,743	9,338.4
4	\$3,020,511	84.46	4	\$1,241,394	9,351.7
3	\$2,265,383	84.23	3	\$931,046	9,365.0
2	\$1,510,255	83.99	2	\$620,697	9,378.4
1	\$755,128	83.76	1	\$310,349	9,391.7
	\$0	83.52	0	\$0	9,405.0
0	\$0	83.52	0	\$0	9,480.0
	\$0	83.52	0	\$0	9,555.0
-1	(\$1,999,133)	83.04	-1	(\$310,349)	9,568.4
-2	(\$3,998,266)	82.56	-2	(\$620,697)	9,581.7
-3	(\$5,997,400)	82.09	-3	(\$931,046)	9,595.0
-4	(\$7,996,533)	81.61	-4	(\$1,241,394)	9,608.4
-5	(\$9,995,666)	81.13	-4.458	(\$1,383,534)	9,614.5 ****
-6	(\$11,994,799)	80.65	-5	(\$1,551,743)	9,621.7
-7	(\$13,993,932)	80.17	-6	(\$1,862,091)	9,635.0
****	-7.027	80.16	-7	(\$2,172,440)	9,648.4
	-8	79.69	-8	(\$2,482,788)	9,661.7
	-9	79.21	-9	(\$2,793,137)	9,675.0
	-10	78.73	-10	(\$3,103,486)	9,688.4

Equivalent Availability  
Weighting Factor:

7.34%

Heat Rate  
Weighting Factor:

3.02%

Issued by: Progress Energy Florida

Filed:  
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Effective:  
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## GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Progress Energy Florida  
January 2008 - December 2008

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	\$10,609,252	96.37	10	\$6,523,432	9,200.9	
9	\$9,548,327	96.05	9	\$5,871,089	9,232.6	
8	\$8,487,402	95.73	8	\$5,218,746	9,264.3	
7	\$7,426,476	95.41	7	\$4,566,403	9,295.9	
6	\$6,365,551	95.09	6	\$3,914,059	9,327.6	
5	\$5,304,626	94.77	5	\$3,261,716	9,359.2	
4	\$4,243,701	94.45	4	\$2,609,373	9,390.9	
3	\$3,182,776	94.13	3	\$1,957,030	9,422.6	
2	\$2,121,850	93.81	2.878	\$1,877,444	9,426.4 ****	
1	\$1,060,925	93.49	2	\$1,304,686	9,454.2	
	\$0	93.17	1	\$652,343	9,485.9	
0	\$0	93.17	0	\$0	9,517.6	
	\$0	93.17	0	\$0	9,592.6	
****	-0.136	(\$321,958)	93.08	0	\$0	9,667.6
	-1	(\$2,367,338)	92.52	-1	(\$652,343)	9,699.2
	-2	(\$4,734,677)	91.88	-2	(\$1,304,686)	9,730.9
	-3	(\$7,102,015)	91.23	-3	(\$1,957,030)	9,762.5
	-4	(\$9,469,353)	90.58	-4	(\$2,609,373)	9,794.2
	-5	(\$11,836,691)	89.94	-5	(\$3,261,716)	9,825.9
	-6	(\$14,204,030)	89.29	-6	(\$3,914,059)	9,857.5
	-7	(\$16,571,368)	88.64	-7	(\$4,566,403)	9,889.2
	-8	(\$18,938,706)	87.99	-8	(\$5,218,746)	9,920.8
	-9	(\$21,306,044)	87.35	-9	(\$5,871,089)	9,952.5
	-10	(\$23,673,383)	86.70	-10	(\$6,523,432)	9,984.2

Equivalent Availability  
Weighting Factor:

10.32%

Heat Rate  
Weighting Factor:

6.34%

Issued by: Progress Energy Florida

Filed:  
Suspended:  
Effective:  
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## GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Progress Energy Florida  
January 2008 - December 2008

Unit: Hines 1

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$322,497	85.21	10	\$11,634,765	6,788.5
9	\$290,247	85.04	9	\$10,471,288	6,837.0
8	\$257,997	84.87	8	\$9,307,812	6,885.5
7	\$225,748	84.69	7	\$8,144,335	6,934.0
6	\$193,498	84.52	6	\$6,980,859	6,982.5
5	\$161,248	84.35	5	\$5,817,382	7,031.0
4	\$128,999	84.17	4	\$4,653,906	7,079.6
3	\$96,749	84.00	3	\$3,490,429	7,128.1
2	\$64,499	83.82	2	\$2,326,953	7,176.6
1	\$32,250	83.65	1	\$1,163,476	7,225.1
	\$0	83.48	0	\$0	7,273.6
0	\$0	83.48	0.000	\$0	7,330.1 ****
	\$0	83.48	0	\$0	7,348.6
-1	(\$230,756)	83.12	0	\$0	7,423.6
-2	(\$461,512)	82.76	-1	(\$1,163,476)	7,472.2
-3	(\$692,268)	82.40	-2	(\$2,326,953)	7,520.7
-4	(\$923,024)	82.04	-3	(\$3,490,429)	7,569.2
-5	(\$1,153,780)	81.68	-4	(\$4,653,906)	7,617.7
-6	(\$1,384,536)	81.32	-5	(\$5,817,382)	7,666.2
-7	(\$1,615,292)	80.96	-6	(\$6,980,859)	7,714.7
-8	(\$1,846,048)	80.61	-7	(\$8,144,335)	7,763.3
-9	(\$2,076,804)	80.25	-8	(\$9,307,812)	7,811.8
-10	(\$2,307,560)	79.89	-9	(\$10,471,288)	7,860.3
****	(\$2,307,560)	79.89	-10	(\$11,634,765)	7,908.8

Equivalent Availability  
Weighting Factor:

0.31%

Heat Rate  
Weighting Factor:

11.32%

Issued by: Progress Energy Florida

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

## GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Progress Energy Florida  
January 2008 - December 2008

Unit: Hines 2

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$34,759	89.79	10	\$7,542,562	6,607.9
9	\$31,284	89.65	9	\$6,788,306	6,641.3
8	\$27,808	89.52	8	\$6,034,049	6,674.7
7	\$24,332	89.39	7	\$5,279,793	6,708.1
6	\$20,856	89.26	6	\$4,525,537	6,741.5
5	\$17,380	89.13	5	\$3,771,281	6,774.9
4	\$13,904	89.00	4	\$3,017,025	6,808.3
3	\$10,428	88.87	3	\$2,262,769	6,841.6
2	\$6,952	88.74	2	\$1,508,512	6,875.0
1	\$3,476	88.61	1	\$754,256	6,908.4
	\$0	88.47	0	\$0	6,941.8
0	\$0	88.47	0	\$0	7,016.8
	\$0	88.47	0.000	\$0	7,050.8 ****
-1	(\$174,617)	88.20	0	\$0	7,091.8
-2	(\$349,233)	87.94	-1	(\$754,256)	7,125.2
-3	(\$523,850)	87.67	-2	(\$1,508,512)	7,158.6
-4	(\$698,466)	87.40	-3	(\$2,262,769)	7,192.0
-5	(\$873,083)	87.13	-4	(\$3,017,025)	7,225.3
-6	(\$1,047,699)	86.86	-5	(\$3,771,281)	7,258.7
-7	(\$1,222,316)	86.59	-6	(\$4,525,537)	7,292.1
-8	(\$1,396,932)	86.32	-7	(\$5,279,793)	7,325.5
-9	(\$1,571,549)	86.05	-8	(\$6,034,049)	7,358.9
-10	(\$1,746,165)	85.78	-9	(\$6,788,306)	7,392.3
****	(\$1,746,165)	85.78	-10	(\$7,542,562)	7,425.6

Equivalent Availability  
Weighting Factor:

0.03%

Heat Rate  
Weighting Factor:

7.34%

Issued by: Progress Energy Florida

Filed:  
Suspended:  
Effective:  
Docket No.:  
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## GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Progress Energy Florida  
January 2008 - December 2008

Unit: Tiger Bay

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$384,436	78.93	10	\$6,741,075	7,144.2
9	\$345,993	78.80	9	\$6,066,968	7,219.6
8	\$307,549	78.67	8	\$5,392,860	7,295.0
7	\$269,106	78.55	7	\$4,718,753	7,370.4
6	\$230,662	78.42	6	\$4,044,645	7,445.8
5	\$192,218	78.29	5	\$3,370,538	7,521.2
4	\$153,775	78.16	4	\$2,696,430	7,596.6
3	\$115,331	78.04	3	\$2,022,323	7,672.0
2	\$76,887	77.91	2.193	\$1,478,318	7,732.8 ****
1	\$38,444	77.78	2	\$1,348,215	7,747.4
	\$0	77.66	1	\$674,108	7,822.8
0	\$0	77.66	0	\$0	7,898.1
	\$0	77.66	0	\$0	7,973.1
-1	(\$80,229)	77.39	0	\$0	8,048.1
-2	(\$160,458)	77.12	-1	(\$674,108)	8,123.5
-3	(\$240,687)	76.86	-2	(\$1,348,215)	8,198.9
-4	(\$320,917)	76.59	-3	(\$2,022,323)	8,274.3
-5	(\$401,146)	76.32	-4	(\$2,696,430)	8,349.7
-6	(\$481,375)	76.05	-5	(\$3,370,538)	8,425.1
-7	(\$561,604)	75.79	-6	(\$4,044,645)	8,500.5
-8	(\$641,833)	75.52	-7	(\$4,718,753)	8,575.9
-9	(\$722,062)	75.25	-8	(\$5,392,860)	8,651.3
-10	(\$802,291)	74.99	-9	(\$6,066,968)	8,726.6
****			-10	(\$6,741,075)	8,802.0

Equivalent Availability  
Weighting Factor:

0.37%

Heat Rate  
Weighting Factor:

6.56%

Issued by: Progress Energy Florida

Filed:  
Suspended:  
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## ACTUAL UNIT PERFORMANCE DATA

## Progress Energy Florida

Anclote 1	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-Dec Period
1. EAF	99.63	98.28	92.80	95.91	95.64	94.65	94.94	96.89	93.76	74.91	0.00	91.96	85.86
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	88.3	0.0	713.8	720.0	744.0	720.0	744.0	744.0	696.4	525.4	0.0	698.5	6,394.3
4. RSH	655.7	684.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.6	0.0	0.0	1,391.3
5. UH	0.0	12.0	29.3	0.0	0.0	0.0	0.0	0.0	23.6	167.0	721.0	45.5	998.4
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	167.0	721.0	45.5	933.5
7. FOH	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0	23.6	0.0	0.0	0.0	37.9
8. MOH	0.0	12.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0
9. PFOH	0.0	0.0	13.3	0.0	23.7	12.9	1.5	7.2	0.0	0.0	0.0	28.3	86.8
10. LR PF (MW)	0.0	0.0	190.7	0.0	174.6	159.0	129.0	16.3	0.0	0.0	0.0	112.6	140.6
11. PMOH	8.6	0.0	55.7	86.0	74.8	106.1	115.2	64.6	67.2	59.6	0.0	23.0	660.7
12. LR PM (MW)	158.1	0.0	171.3	170.3	160.8	161.6	161.1	176.6	157.7	164.6	0.0	171.9	165.0
13. NSC (MW)	498	498	498	498	498	498	498	498	498	498	498	498	498
14. OPER MBTU	149,726	1,435	1,413,285	1,497,751	1,801,024	1,738,648	1,331,079	1,310,312	1,374,147	1,069,389	0	1,342,296	13,029,092
15. NET GEN (MWH)	13,554	0	130,534	138,593	172,896	159,649	113,792	112,577	122,907	97,215	0	123,472	1,186,189
16. ANOHR (BTU/KWH)	11,046.6	0.0	10,827.0	10,729.4	10,416.8	10,880.4	11,697.5	11,639.3	11,180.4	11,000.2	0.0	10,871.3	10,984.0
17. NOF (%)	30.82	0.00	36.72	38.93	46.66	44.53	30.71	30.38	35.44	37.15	0.00	35.50	37.25
18. NPC (MW)	498	498	498	498	498	498	498	498	498	498	498	498	498
ANOHR EQUATION:	ANOHR=	-15.269	x NOF +	10,936.50									

Issued by: Progress Energy Florida

Filed:  
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Effective:  
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## ACTUAL UNIT PERFORMANCE DATA

## Progress Energy Florida

Asset	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-Dec Period
1. EAF	98.46	100.00	21.04	39.04	86.55	96.51	96.11	97.01	95.09	97.13	98.26	100.00	85.40
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	740.8	696.0	167.1	199.9	643.3	720.0	744.0	744.0	720.0	744.0	721.0	110.8	6,950.8
4. RSH	3.2	0.0	0.0	97.0	24.4	0.0	0.0	0.0	0.0	0.0	0.0	633.2	757.8
5. UH	0.0	0.0	576.0	423.1	76.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,075.4
6. PCH	0.0	0.0	572.8	423.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	995.9
7. FOH	0.0	0.0	3.2	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7
8. MOH	0.0	0.0	0.0	0.0	73.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.8
9. PFOH	0.4	0.0	34.7	26.0	0.0	2.3	0.8	0.5	7.5	0.0	20.2	0.0	92.3
10. LR PF (MW)	117.9	0.0	70.7	288.9	0.0	489.3	498.0	119.0	119.0	0.0	76.6	0.0	151.9
11. PMOH	34.3	0.0	10.0	2.3	77.6	66.7	68.9	64.7	90.2	59.3	28.8	0.0	502.7
12. LR PM (MW)	168.0	0.0	298.0	215.7	155.5	174.2	207.1	173.3	188.9	182.4	168.0	0.0	181.2
13. NSC (MW)	507	507	507	507	507	507	507	507	507	507	507	507	507
14. OPER MBTU	1,225,531	1,079,228	340,518	555,251	1,731,250	1,716,577	1,392,993	1,360,334	1,420,416	1,426,465	1,373,630	222,312	13,844,504
15. NET GEN (MWH)	112,626	99,271	32,406	54,333	165,106	160,594	120,999	119,176	129,284	134,377	121,771	21,571	1,271,516
16. ANOHR (BTU/KWH)	10,881.4	10,871.5	10,507.9	10,219.4	10,485.7	10,688.9	11,512.4	11,414.3	10,986.8	10,615.4	11,280.4	10,306.1	10,888.2
17. NOF (%)	29.99	28.13	38.26	53.62	50.62	43.99	32.08	31.59	35.42	35.62	33.31	38.41	36.08
18. NPC (MW)	507	507	507	507	507	507	507	507	507	507	507	507	507
ANOHR EQUATION:	ANOHR=	-12.372	x NOF +	10,806.61									

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## ACTUAL UNIT PERFORMANCE DATA

## Progress Energy Florida

Crystal River 1	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Ju-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-Dec Period
1. EAF	97.67	97.90	78.40	54.87	94.44	99.08	98.02	96.92	31.33	29.40	86.56	90.59	79.63
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	744.0	696.0	595.0	419.8	737.3	720.0	744.0	744.0	225.6	244.0	655.6	684.3	7,209.5
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	0.0
5. UH	0.0	0.0	148.0	300.3	6.7	0.0	0.0	0.0	494.4	500.0	65.5	59.7	1,574.5
6. POH	0.0	0.0	72.9	300.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	373.1
7. FOH	0.0	0.0	75.2	0.0	6.7	0.0	0.0	0.0	494.4	461.3	65.5	59.7	1,162.8
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.7	0.0	0.0	38.7
9. PFOH	19.4	70.5	40.1	34.2	13.8	0.0	90.7	60.6	0.0	317.8	134.9	50.2	832.2
10. LR PF (MW)	145.5	31.2	104.4	127.5	235.3	0.0	61.5	75.4	0.0	30.2	82.0	46.7	60.0
11. PMOH	38.5	31.3	14.4	53.9	88.9	19.2	0.0	43.3	0.0	0.0	6.0	20.9	316.4
12. LR PM (MW)	97.1	106.8	37.6	92.6	111.3	131.1	0.0	95.0	0.0	0.0	140.9	75.0	99.7
13. NSC (MW)	379	379	379	379	379	379	379	379	379	379	379	379	379
14. OPER MBTU	2,277,285	2,258,835	1,977,489	1,280,107	2,127,062	2,037,201	2,087,835	1,810,938	654,649	456,526	1,698,216	2,113,403	20,779,546
15. NET GEN (MWH)	222,623	217,892	195,548	119,370	209,237	193,827	208,741	171,249	61,520	44,903	164,789	208,979	2,018,678
16. ANOHR (BTU/KWH)	10,229.3	10,366.8	10,112.6	10,723.9	10,165.8	10,510.4	10,002.0	10,574.9	10,641.2	10,166.9	10,305.4	10,113.0	10,293.6
17. NOF (%)	78.95	82.60	86.72	75.04	74.88	71.03	74.03	60.73	71.96	48.55	66.33	80.58	73.88
18. NPC (MW)	379	379	379	379	379	379	379	379	379	379	379	379	379
ANOHR EQUATION:	ANOHR=	-16.232	x NOF +	11,513.10									

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## ACTUAL UNIT PERFORMANCE DATA

## Progress Energy Florida

Crystal River 2	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-Dec Period
1. EAF	99.60	89.14	97.64	72.49	96.64	96.87	92.42	97.51	97.65	54.66	91.77	99.39	90.50
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	744.0	632.9	743.0	613.9	744.0	720.0	707.7	739.5	720.0	407.3	669.2	744.0	8,185.5
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	0.0
5. UH	0.0	63.2	0.0	106.1	0.0	0.0	36.3	4.5	0.0	336.7	51.8	0.0	598.5
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	336.7	51.0	0.0	387.7
7. FOH	0.0	52.2	0.0	0.0	0.0	0.0	36.3	0.0	0.0	0.0	0.8	0.0	89.3
8. MOH	0.0	10.9	0.0	106.1	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	121.5
9. PFOH	7.9	97.3	40.0	277.6	2.9	42.5	81.0	42.3	121.3	2.2	30.2	34.1	779.4
10. LR PF (MW)	107.0	56.5	188.5	96.2	155.1	129.1	71.8	94.0	44.8	128.2	123.5	65.8	87.3
11. PMOH	10.0	5.5	5.3	115.4	93.5	20.4	15.3	11.9	10.0	0.0	0.0	0.0	287.3
12. LR PM (MW)	60.0	107.0	201.9	159.9	126.3	272.8	265.9	247.5	285.6	0.0	0.0	0.0	166.9
13. NSC (MW)	491	491	491	491	491	491	491	491	491	491	491	491	491
14. OPER MBTU	2,638,777	2,200,770	2,849,793	2,328,005	2,783,517	2,754,596	2,568,620	2,503,929	2,608,929	1,148,422	2,320,467	2,884,744	29,590,589
15. NET GEN (MWH)	266,279	213,468	288,658	226,119	283,103	275,065	260,190	243,379	263,291	111,980	235,677	300,079	2,967,288
16. ANOHR (BTU/KWH)	9,909.8	10,309.6	9,872.6	10,295.5	9,832.2	10,014.3	9,872.1	10,288.2	9,908.9	10,255.6	9,846.0	9,613.3	9,972.3
17. NOF (%)	72.89	68.70	79.12	75.01	77.50	77.81	74.88	67.03	74.48	56.00	71.72	82.15	73.83
18. NPC (MW)	491	491	491	491	491	491	491	491	491	491	491	491	491
ANOHR EQUATION:	ANOHR=	-22.430	x NOF +	11,576.74									

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## ACTUAL UNIT PERFORMANCE DATA

## Progress Energy Florida

Crystal River 3	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-Dec Period
1. EAF	98.73	100.00	65.15	100.00	94.09	100.00	100.00	83.99	100.00	100.00	100.00	95.20	94.68
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	744.0	696.0	265.5	720.0	744.0	720.0	744.0	646.5	720.0	744.0	721.0	744.0	8,208.9
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	0.0
5. UH	0.0	0.0	477.6	0.0	0.0	0.0	0.0	97.5	0.0	0.0	0.0	0.0	575.1
6. POH	0.0	0.0	233.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	233.6
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.5	0.0	0.0	0.0	0.0	97.5
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	0.0
9. PFOH	13.8	0.0	18.9	0.0	92.2	0.0	0.0	50.2	0.0	0.0	0.0	0.0	175.0
10. LR PF (MW)	167.0	0.0	637.9	0.0	367.0	0.0	0.0	330.5	0.0	0.0	0.0	0.0	370.0
11. PMOH	27.9	0.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.0	127.6
12. LR PM (MW)	179.0	0.0	328.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	357.0	313.0
13. NSC (MW)	769	769	769	769	769	769	769	769	769	769	769	769	769
14. OPER MBTU	5,883,638	5,685,692	1,987,987	5,881,961	5,730,461	5,881,538	6,079,885	5,130,612	5,883,026	6,079,202	5,887,398	5,796,633	65,908,033
15. NET GEN (MWH)	578,358	557,257	192,280	576,946	557,329	569,034	586,465	494,946	572,001	595,533	577,989	566,575	6,424,715
16. ANOHR (BTU/KWH)	10,173.0	10,203.0	10,339.0	10,195.0	10,282.0	10,336.0	10,367.0	10,366.0	10,285.0	10,208.0	10,186.0	10,231.0	10,258.5
17. NOF (%)	101.09	104.12	94.19	104.20	97.41	102.77	102.50	99.56	103.31	104.09	104.25	99.03	101.78
18. NPC (MW)	769	769	769	769	769	769	769	769	769	769	769	769	769
ANOHR EQUATION:	ANOHR=	-14.054	x NOF +	11,698.36									

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## ACTUAL UNIT PERFORMANCE DATA

## Progress Energy Florida

Crystal River 4	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-Dec Period
1. EAF	87.08	84.50	92.24	95.00	94.14	98.61	96.45	85.39	88.76	92.97	2.52	16.24	77.85
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	666.6	616.5	743.0	707.4	734.8	718.0	741.7	655.3	659.0	744.0	19.9	132.2	7,138.6
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	0.0
5. UH	77.4	79.5	0.0	12.6	9.2	2.0	2.3	88.7	61.0	0.0	701.1	611.8	1,645.4
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	701.1	530.7	1,231.7
7. FOH	0.0	79.5	0.0	12.6	9.2	2.0	2.3	0.0	61.0	0.0	0.0	81.1	247.6
8. MOH	77.4	0.0	0.0	0.0	0.0	0.0	0.0	88.7	0.0	0.0	0.0	0.0	166.1
9. PFOH	3.0	20.5	11.5	0.0	18.5	20.9	120.0	88.4	25.7	1.0	8.6	20.0	339.0
10. LR PF (MW)	133.5	142.3	451.9	0.0	115.9	140.5	72.4	156.8	86.2	84.3	149.9	412.0	141.7
11. PMOH	66.2	174.7	124.1	54.8	197.2	32.6	33.5	5.4	40.7	267.4	0.0	0.0	996.6
12. LR PM (MW)	198.4	100.6	293.1	307.8	114.8	87.0	261.1	102.9	296.8	140.8	0.0	0.0	169.0
13. NSC (MW)	721	721	721	721	721	721	721	721	721	721	721	721	721
14. OPER MBTU	3,952,385	3,580,368	4,564,613	4,336,681	4,343,123	4,417,951	4,370,135	3,506,286	3,750,597	3,685,014	65,578	471,040	41,043,771
15. NET GEN (MWH)	425,929	380,367	469,847	438,054	448,026	456,001	443,768	357,075	396,643	377,816	6,323	38,576	4,238,425
16. ANOHR (BTU/KWH)	9,279.4	9,412.9	9,715.1	9,899.9	9,693.9	9,688.5	9,847.8	9,819.5	9,455.9	9,753.5	10,371.3	12,210.7	9,683.7
17. NOF (%)	88.62	85.57	87.71	85.89	84.57	88.08	82.98	75.57	83.48	70.43	44.00	40.47	82.35
18. NPC (MW)	721	721	721	721	721	721	721	721	721	721	721	721	721
ANOHR EQUATION:	ANOHR=	-10.032	x NOF +	10,375.43									

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## ACTUAL UNIT PERFORMANCE DATA

## Progress Energy Florida

Crystal River 5	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-Dec Period
1. EAF	98.84	99.62	98.67	88.22	73.91	85.26	98.84	97.02	93.22	93.60	92.99	96.82	93.08
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	744.0	696.0	743.0	720.0	589.7	621.5	744.0	744.0	717.9	744.0	721.0	744.0	8,529.1
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	0.0
5. UH	0.0	0.0	0.0	0.0	154.3	98.5	0.0	0.0	2.1	0.0	0.0	0.0	254.9
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	154.3	98.5	0.0	0.0	2.1	0.0	0.0	0.0	254.9
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	0.0
9. PFOH	11.6	3.8	18.8	0.0	60.5	4.1	40.3	82.1	71.0	10.6	230.4	88.8	622.0
10. LR PF (MW)	83.0	82.0	269.5	0.0	314.1	405.8	74.6	118.2	216.4	84.0	103.2	150.0	149.7
11. PMOH	20.4	15.8	21.4	187.3	135.5	50.5	18.5	31.6	50.7	199.9	41.2	15.2	788.0
12. LR PM (MW)	257.9	101.1	95.2	326.7	71.3	76.1	172.4	197.9	361.4	167.4	306.8	243.5	204.5
13. NSC (MW)	721	721	721	721	721	721	721	721	721	721	721	721	721
14. OPER MBTU	4,593,672	4,164,454	4,725,905	4,155,770	3,308,726	3,607,130	4,532,873	4,235,126	3,850,716	3,517,623	3,670,068	3,981,151	48,343,413
15. NET GEN (MWH)	481,156	441,539	497,836	428,055	342,080	373,991	462,092	436,456	403,528	364,576	394,777	410,048	5,036,134
16. ANOHR (BTU/KWH)	9,547.6	9,431.7	9,492.9	9,708.5	9,672.4	9,645.0	9,809.5	9,703.4	9,542.6	9,648.5	9,296.6	9,709.0	9,599.3
17. NOF (%)	89.70	87.99	92.93	82.46	80.46	83.46	86.14	81.36	77.96	67.96	75.94	76.44	81.89
18. NPC (MW)	721	721	721	721	721	721	721	721	721	721	721	721	721
ANOHR EQUATION:	ANOHR=	-24.828	x NOF +	11,798.72									

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## ACTUAL UNIT PERFORMANCE DATA

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Hines 1	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-Dec Period
1. EAF	100.00	76.40	36.33	49.12	99.19	91.59	100.00	99.80	100.00	98.68	97.97	63.71	84.45
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	451.9	683.6	269.9	315.8	744.0	659.5	744.0	742.8	720.0	744.0	721.0	474.0	7,270.5
4. RSH	292.2	0.0	0.0	59.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	351.3
5. UH	0.0	12.4	473.1	345.0	0.0	60.5	0.0	1.2	0.0	0.0	0.0	270.0	1,162.2
6. POH	0.0	12.4	473.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	485.5
7. FOH	0.0	0.0	0.0	34.1	0.0	60.5	0.0	1.2	0.0	0.0	0.0	0.0	95.9
8. MOH	0.0	0.0	0.0	310.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	270.0	580.9
9. PFOH	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.7	0.0	5.4	0.0	0.0	20.4
10. LR PF (MW)	0.0	0.0	0.0	0.0	197.0	0.0	0.0	186.2	0.0	217.1	0.0	0.0	201.3
11. PMOH	0.0	324.1	0.0	40.0	0.0	0.0	0.0	0.0	0.0	84.0	169.2	0.0	617.2
12. LR PM (MW)	0.0	217.0	0.0	247.0	0.0	0.0	0.0	0.0	0.0	40.0	40.0	0.0	146.3
13. NSC (MW)	463	463	463	463	463	463	463	463	463	463	463	463	463
14. OPER MBTU	1,240,257	1,347,240	686,516	881,657	2,088,203	1,822,086	2,116,976	2,276,879	1,994,737	1,974,034	2,038,891	1,136,282	19,603,757
15. NET GEN (MWH)	160,289	184,749	89,490	112,779	280,725	246,024	285,085	314,601	263,067	269,430	290,061	157,409	2,653,709
16. ANOHR (BTU/KWH)	7,737.6	7,292.3	7,671.4	7,817.6	7,438.6	7,406.1	7,425.8	7,237.4	7,582.6	7,326.7	7,029.2	7,218.7	7,387.3
17. NOF (%)	76.82	58.37	71.60	77.12	81.49	80.57	82.76	91.48	78.91	78.22	86.89	71.72	78.83
18. NPC (MW)	463	463	463	463	463	463	463	463	463	463	463	463	463
ANOHR EQUATION:	ANOHR=	-27.353	x NOF +	9,562.17									

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## ACTUAL UNIT PERFORMANCE DATA

## Progress Energy Florida

Hines 2	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-Dec Period
1. EAF	100.00	99.32	86.11	33.69	97.43	82.05	79.15	99.35	100.00	9.90	37.89	73.11	74.82
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	544.6	691.3	639.8	274.9	744.0	590.7	588.9	744.0	720.0	73.7	273.2	358.9	6,244.2
4. RSH	199.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	185.0	384.2
5. UH	0.0	4.7	103.2	445.1	0.0	129.3	155.1	0.0	0.0	670.4	447.8	200.1	2,155.7
6. POH	0.0	0.0	97.1	445.1	0.0	0.0	0.0	0.0	0.0	670.4	447.8	0.0	1,660.4
7. FOH	0.0	4.7	6.1	0.0	0.0	129.3	155.1	0.0	0.0	0.0	0.0	200.1	495.3
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	0.0
9. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	0.0	0.0	0.0	0.0	10.1
10. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	233.9	0.0	0.0	0.0	0.0	233.9
11. PMOH	0.0	0.0	0.0	67.7	41.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	109.5
12. LR PM (MW)	0.0	0.0	0.0	234.0	224.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	230.2
13. NSC (MW)	490	490	490	490	490	490	490	490	490	490	490	490	490
14. OPER MBTU	1,140,394	1,699,160	1,827,455	582,864	2,280,437	1,829,427	1,845,392	2,386,370	2,275,444	248,610	641,618	1,019,011	17,776,181
15. NET GEN (MWH)	171,404	243,242	259,044	80,008	322,770	261,868	261,650	341,147	319,249	34,821	86,960	139,531	2,521,694
16. ANOHR (BTU/KWH)	6,653.2	6,985.5	7,054.6	7,285.1	7,065.2	6,986.1	7,052.9	6,995.1	7,127.5	7,139.6	7,378.3	7,303.1	7,049.3
17. NOF (%)	64.21	71.81	82.63	59.40	88.54	90.47	90.68	93.58	90.49	96.49	64.96	79.34	82.42
18. NPC (MW)	490	490	490	490	490	490	490	490	490	490	490	490	490
ANOHR EQUATION:	ANOHR=	-0.620	x NOF +	7,066.39									

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## ACTUAL UNIT PERFORMANCE DATA

## Progress Energy Florida

Tiger Bay	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-Dec Period
1. EAF	100.00	100.00	0.00	54.63	61.74	13.62	0.00	61.12	96.90	98.40	100.00	100.00	65.35
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	155.5	109.2	0.0	346.1	322.8	98.0	0.0	454.7	700.1	466.0	516.3	0.0	3,168.7
4. RSH	588.5	586.8	0.0	47.3	137.2	0.0	0.0	0.0	0.0	266.1	204.7	744.0	2,574.6
5. UH	0.0	0.0	743.0	326.7	284.0	622.0	744.0	289.3	19.9	11.9	0.0	0.0	3,040.7
6. POH	0.0	0.0	743.0	326.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,069.7
7. FOH	0.0	0.0	0.0	0.0	284.0	622.0	744.0	289.3	19.9	0.0	0.0	0.0	1,959.2
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	0.0	0.0	11.9
9. PFOH	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	3.6	0.0	0.0	0.0	4.9
10. LR PF (MW)	0.0	0.0	0.0	0.0	103.3	0.0	0.0	0.0	136.1	0.0	0.0	0.0	127.2
11. PMOH	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
12. LR PM (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
13. NSC (MW)	203	203	203	203	203	203	203	203	203	203	203	203	203
14. OPER MBTU	202,532	154,150	0	476,979	421,388	118,512	71	640,322	976,699	642,153	761,799	0	4,394,604
15. NET GEN (MWH)	25,690	17,566	0	62,077	50,341	16,128	0	82,693	128,513	82,956	103,071	0	569,034
16. ANOHR (BTU/KWH)	7,683.7	8,775.5	0.0	7,683.7	8,370.7	7,348.2	0.0	7,743.4	7,600.0	7,741.0	7,391.0	0.0	7,722.9
17. NOF (%)	81.38	79.24	0.00	88.36	76.82	81.04	0.00	89.59	90.43	87.69	98.35	0.00	68.46
18. NPC (MW)	203	203	203	203	203	203	203	203	203	203	203	203	203
ANOHR EQUATION:	ANOHR=	-10.656	×	NOF	+	8,905.93							

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PLANNED OUTAGE SCHEDULES  
ACTUAL

Progress Energy Florida  
January 2008 - December 2008

<u>Plant/Unit</u>	<u>Planned Outage Dates</u>	<u>Reason for Outage</u>
Andote 1	10/25 (0100) - 11/30 (0001)	Boiler Inspection
Andote 2	03/08 (0300) - 04/18 (1500)	Turbine Project, Turbine Valve Replacement
Bartow 3	04/26 (0001) - 05/10 (0800)	Boiler Inspection
Crystal River 1	03/28 (2300) - 04/13 (1300)	Boiler Inspection
Crystal River 2	10/18 (0100) - 11/08 (0100)	Boiler Inspection
Crystal River 3	03/01 (0600) - 03/21 (0300)	Cooling Pump Seal Replacement
Crystal River 4	11/01 (2000) - 12/23 (0400)	Low-NOx Burners, Air Heater
Crystal River 5	09/30 (0001) - 10/17 (1600)	Boiler inspection and maintenance
Hines 1	02/15 (2300) - 03/21 (1300)	Combustion Inspection, BOP Maintenance
Tiger Bay	03/01 (0001) - 04/14 (0600)	Rotor Replacement, Maintenance Inspection

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Planned Outage Schedule - Actual												
January 2008 - December 2008											Progress Energy Florida	
	January	February	March	April	May	June	July	August	September	October	November	December
Anclote 1										Boiler Inspection 10/25	11/30 36 days	
Anclote 2			Turbine Project, TV Replace 3/6	4/18 42 days								
Bartow 3				Boiler Inspection 4/26	5/10 14 days							
Crystal River 1			Boiler Inspection 3/28	4/13 16 days								
Crystal River 2										Boiler Inspection 10/18	11/8 21 days	
Crystal River 3			Cooling Pump Seal 3/1	3/21 20 days								
Crystal River 4										Low-NOx Burners, Air Heater 11/1	12/23 51 days	
Crystal River 5									Boiler Inspection and Maintenance 9/30	10/17 19 days		
Hines 1		Combustion Inspection, BOP 2/15	3/21 34 days									
Tiger Bay			Rotor Replacement, Maintenance Inspection 3/1	4/14 44 days								