

Florida Power
CORPORATION

JAMES A. MCGEE
SENIOR COUNSEL

June 14, 1999

Ms. Blanca S. Bayó, Director
Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Docket No. 990001-EI; GPIF Reward/Penalty for
April - September 1998 and October - December 1998.

Dear Ms. Bayó:

Enclosed for filing in the subject docket are an original and ten copies of the direct testimony and exhibits of Rebecca J. McClintock for the GPIF reward/penalty periods of April - September, 1998 and October - December, 1998.

Please acknowledge your receipt of the above filing on the enclosed copy of this letter and return to the undersigned. Also enclosed is a 3.5 inch diskette containing the above-referenced document in WordPerfect format. Thank you for your assistance in this matter.

Very truly yours,

James A. McGee

- AFA Wardner
- APP _____
- CAF _____
- CMU _____
- CFR _____
- EAG Bolton
- LEG _____
- MAS 3/1/99
- OPC _____
- RRR _____
- SEC _____
- WAV _____
- OYH _____

JAM/ams
Enclosure

cc: Parties of record

RECEIVED

FINDS-BUREAU OF RECORDS

DOCUMENT NUMBER - DATE
07243 JUN 15 99
FBI - FT. WORTH

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and purchased power
cost recovery clause and
generating performance
incentive factor.

Docket No. 990001-EI

Submitted for filing:
June 14, 1999

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the direct testimony and exhibits of Rebecca J. McClintock for the GPIF reward/penalty periods of April - September, 1998 and October - December, 1998 has been furnished to the following individuals by regular U.S. Mail the 14th day of June, 1999:

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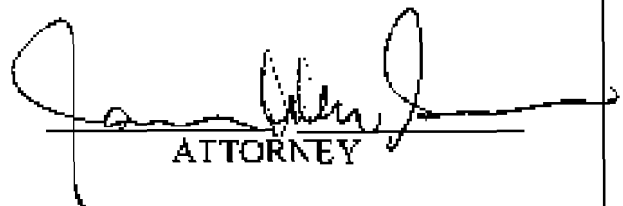
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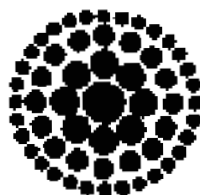
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ATTORNEY

ORIGINAL



**Florida
Power**
CORPORATION

**BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION**

DOCKET No. 990001-EI

**GPIF REWARD/PENALTY AMOUNT FOR
APRIL THROUGH SEPTEMBER 1998**

**DIRECT TESTIMONY
AND EXHIBITS OF
REBECCA J. MCCLINTOCK**

DOCUMENT NUMBER-DATE For Filing June 15, 1999

07243 JUN 15 99

FPSD-RECORDS/REGULATORY

FLORIDA POWER CORPORATION

Docket No. 990001-EI

**Re: GPIF Reward/Penalty Amount for
April through September 1998**

**DIRECT TESTIMONY OF
REBECCA J. MCCLINTOCK**

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

2 **A. My name is Rebecca J. McClintock. My business address is P. O. Box**
3 **14042, St. Petersburg, Florida 33733.**

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

6 **A. I am employed by Florida Power Corporation as a Principal Engineer in**
7 **Resource Planning, Financial Services.**

8
9 **Q. What are your responsibilities as Principal Engineer?**

10 **A. As a Principal Engineer, I am responsible for compiling and reporting**
11 **various operational statistics regarding the Company's generating system.**
12 **In particular, my duties include the preparation of the information and**
13 **material required by the Commission's GPIF mechanism.**

14
15 **Q. What is the purpose of your testimony?**

16 **A. The purpose of my testimony is to describe the calculation of the Company's**
17 **Generation Performance Incentive Factor (GPIF) reward/penalty amount for**
18 **the period of April through September 1998. This was developed by**

1 comparing the actual performance of the Company's seven GPIF generating
2 units to the approved targets set for these units prior to the period.
3

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

5 A. Yes, under my direction an exhibit (RJM-1) has been prepared consisting
6 of the numbered sheets which are attached to my prepared testimony. The
7 exhibit contains the schedules required by the GPIF Implementation
8 Manual, which support the development of the incentive amount. I have
9 also included other data forms to supplement the required schedules.
10

11 **Q. What GPIF incentive amount have you calculated for this period?**

12 A. I have calculated the Company's GPIF incentive amount to be a reward of
13 \$340,289. This amount was developed in a manner consistent with the
14 GPIF Implementation Manual. Sheet 1 of my exhibit shows the calculation
15 of system GPIF points and the corresponding reward. The summary of
16 weighted incentive points earned by each individual unit can be found on
17 Sheet 3.
18

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

21 A. The calculation of incentive points is made by comparing the adjusted
22 actual performance data for equivalent availability and heat rate to the
23 target performance indicators for each unit. This comparison is shown on

1 the Generating Performance Incentive Points Table found on Sheets 8
2 through 14 of my exhibit.

3
4 **Q. Why is it necessary to make adjustments to the actual performance**
5 **data for comparison with the targets?**

6 A. Adjustments to the actual equivalent availability and heat rate data are
7 necessary to allow their comparison with the "target" Point Tables exactly
8 as approved by the Commission prior to the period. These adjustments are
9 described in the Implementation Manual and are further explained by a Staff
10 memorandum, dated October 23, 1981, directed to the GPIF utilities. The
11 adjustments to actual equivalent availability concern primarily the
12 differences between target and actual planned outage hours, and are
13 shown on Sheet 6 of my exhibit. The heat rate adjustments concern the
14 differences between the target and actual Net Output Factor (NOF), and are
15 shown on Sheet 7. The methodology for both the equivalent availability and
16 heat rate adjustments are explained in the Staff memorandum.

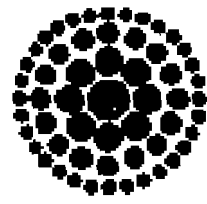
17
18 **Q. Have you provided the as-worked planned outage schedules for the**
19 **Company's GPIF units to support your adjustments to actual**
20 **equivalent availability?**

21 A. Yes. Sheet 22 of my exhibit summarizes every planned outage experienced
22 by the Company's GPIF units during the period. Sheets 23 and 24 present
23 an as-worked critical path chart for each individual planned outage.
24

1 Q. Does this conclude your testimony?

2 A. Yes.

EAG/Behrman



**Florida
Power**
CORPORATION

15

**BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION**

DOCKET NO. 990001-EI

**GPIF REWARD/PENALTY AMOUNT FOR
OCTOBER THROUGH DECEMBER 1998**

**DIRECT TESTIMONY
AND EXHIBITS OF
REBECCA J. MCCLINTOCK**

DOCUMENT NUMBER DATE
07243 JUN 15 89
REGISTRATION REPORTING

For Filing June 15, 1999

FLORIDA POWER CORPORATION

Docket No. 990001-EI

**Re: GPIF Reward/Penalty Amount for
October through December 1998**

**DIRECT TESTIMONY OF
REBECCA J. MCCLINTOCK**

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

2 A. My name is Rebecca J. McClintock. My business address is P. O. Box
3 14042, St. Petersburg, Florida 33733.
4

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

6 A. I am employed by Florida Power Corporation as a Principal Engineer in
7 Resource Planning, Financial Services.
8

9 **Q. What are your responsibilities as Principal Engineer?**

10 A. As a Principal Engineer, I am responsible for compiling and reporting
11 various operational statistics regarding the Company's generating system.
12 In particular, my duties include the preparation of the information and
13 material required by the Commission's GPIF mechanism.
14

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

16 A. The purpose of my testimony is to describe the calculation of the Company's
17 Generation Performance Incentive Factor (GPIF) reward/penalty amount for
18 the period of October through December 1998. This was developed by

1 comparing the actual performance of the Company's seven GPIF generating
2 units to the approved targets set for these units prior to the period.

3
4 **Q. Do you have an exhibit to your testimony in this proceeding?**

5 **A. Yes, under my direction an exhibit (RJM-1) has been prepared consisting**
6 **of the numbered sheets which are attached to my prepared testimony. The**
7 **exhibit contains the schedules required by the GPIF Implementation**
8 **Manual, which support the development of the incentive amount. I have**
9 **also included other data forms to supplement the required schedules.**

10
11 **Q. What GPIF incentive amount have you calculated for this period?**

12 **A. I have calculated the Company's GPIF incentive amount to be a reward of**
13 **\$706,851. This amount was developed in a manner consistent with the**
14 **GPIF Implementation Manual. Sheet 1 of my exhibit shows the calculation**
15 **of system GPIF points and the corresponding reward. The summary of**
16 **weighted incentive points earned by each individual unit can be found on**
17 **Sheet 3.**

18
19 **Q. How were the incentive points for equivalent availability and heat rate**
20 **calculated for the individual GPIF units?**

21 **A. The calculation of incentive points is made by comparing the adjusted**
22 **actual performance data for equivalent availability and heat rate to the**
23 **target performance indicators for each unit. This comparison is shown on**

1 the Generating Performance Incentive Points Table found on Sheets 8
2 through 14 of my exhibit.

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5 **data for comparison with the targets?**

6 A. Adjustments to the actual equivalent availability and heat rate data are
7 necessary to allow their comparison with the "target" Point Tables exactly
8 as approved by the Commission prior to the period. These adjustments are
9 described in the Implementation Manual and are further explained by a Staff
10 memorandum, dated October 23, 1981, directed to the GPIF utilities. The
11 adjustments to actual equivalent availability concern primarily the
12 differences between target and actual planned outage hours, and are
13 shown on Sheet 6 of my exhibit. The heat rate adjustments concern the
14 differences between the target and actual Net Output Factor (NOF), and are
15 shown on Sheet 7. The methodology for both the equivalent availability and
16 heat rate adjustments are explained in the Staff memorandum.

17
18 **Q. Have you provided the as-worked planned outage schedules for the**
19 **Company's GPIF units to support your adjustments to actual**
20 **equivalent availability?**

21 A. Yes. Sheet 22 of my exhibit summarizes every planned outage experienced
22 by the Company's GPIF units during the period. Sheets 23 and 24 present
23 an as-worked critical path chart for each individual planned outage.
24

1 Q. Does this conclude your testimony?

2 A. Yes.

GPIF REWARD/PENALTY SCHEDULES

<u>Descriptive Title</u>	<u>Sheet</u>
• Reward/Penalty Table (Actual)	1
• Calculation of Maximum Incentive Dollars (Actual)	2
• Calculation of System Actual GPIF Points	3
• GPIF Unit Performance Summary	4
• Actual Unit Performance Data	5
• Adjustments to EAF Actual	6
• Adjustments to ANOHR Actual	7
• Generating Performance Incentive Points Table	8-14
• Actual Unit Performance Data	15-21
• Planned Outage Schedules (Actual)	22-24

GENERATING PERFORMANCE INCENTIVE FACTOR

REWARD/PENALTY TABLE

ACTUAL

Company: Florida Power Corporation
 Period of: April, 1998 - September, 1999

Generating Performance Incentive Points (GPIF)	Fuel Saving/Loss (\$)	Generating Performance Incentive Factor (\$)
10	\$5,897,800	\$3,555,791
9	\$5,397,840	\$3,200,212
8	\$4,798,080	\$2,844,633
7	\$4,198,320	\$2,489,054
6	\$3,598,560	\$2,133,475
5	\$2,998,800	\$1,777,896
4	\$2,399,040	\$1,422,317
3	\$1,799,280	\$1,066,737
2	\$1,199,520	\$711,158
1	\$599,760	\$355,579
0	\$0	\$0
-1	(\$652,250)	(\$355,579)
-2	(\$1,304,500)	(\$711,158)
-3	(\$1,956,750)	(\$1,066,737)
-4	(\$2,609,000)	(\$1,422,317)
-5	(\$3,261,250)	(\$1,777,896)
-6	(\$3,913,500)	(\$2,133,475)
-7	(\$4,565,750)	(\$2,489,054)
-8	(\$5,218,000)	(\$2,844,633)
-9	(\$5,870,250)	(\$3,200,212)
-10	(\$6,522,500)	(\$3,555,791)

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GENERATION PERFORMANCE INCENTIVE FACTOR
 CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS

COMPANY: FLORIDA POWER CORPORATION
 FOR THE PERIOD OF
 Period of: April, 1998 - September, 1998

1	BEGINNING OF PERIOD BALANCE OF COMMON EQUITY	\$1,784,294,000
2	END OF MONTH BALANCE OF COMMON EQUITY MONTH OF APRIL 1998	\$1,777,378,000
3	MONTH OF MAY 1998	\$1,803,127,000
4	MONTH OF JUNE 1998	\$1,792,873,000
5	MONTH OF JULY 1998	\$1,813,958,000
6	MONTH OF AUGUST 1998	\$1,950,461,000
7	MONTH OF SEPTEMBER 1998	\$1,842,000,000
8	AVERAGE COMMON EQUITY FOR THE PERIOD (SUMMATION OF LINE 1 THROUGH LINE 7 DIVIDED BY 7)	\$1,806,553,957
9	25 BASIS POINTS	0.0025
10	REVENUE EXPANSION FACTOR	61.3738%
11	MAXIMUM ALLOWED INCENTIVE DOLLARS (LINE 8 TIMES LINE 9 DIVIDED BY LINE 10 TIMES 0.5)	\$3,678,420
12	JURISDICTIONAL SALES	18,074.895 MWH
13	TOTAL SALES	18,703.501 MWH
14	JURISDICTIONAL SEPARATION FACTOR (LINE 12 DIVIDED BY LINE 13)	98.84%
15	MAXIMUM ALLOWED JURISDICTIONAL INCENTIVE DOLLARS (LINE 11 TIMES LINE 14)	\$3,599,791

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 Docket No.
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CALCULATION OF SYSTEM ACTUAL GPIF POINTS

Company: Florida Power Corporation
 Period of: April 1998 - September, 1998

<u>Plant/Unit</u>	<u>Performance Indicator EAF or ANOHR</u>	<u>Weighting Factor %</u>	<u>Unit Points</u>	<u>Weighted Unit Points</u>
Crystal River 1	EAF	4.15	-10.000	-0.415
	ANOHR	3.13	0.000	0.000
Crystal River 2	EAF	15.51	-5.875	-0.911
	ANOHR	4.80	0.000	0.000
Crystal River 3	EAF	19.66	10.000	1.966
	ANOHR	8.03	0.000	0.000
Crystal River 4	EAF	8.95	10.000	0.895
	ANOHR	7.17	0.000	0.000
Crystal River 5	EAF	2.23	-3.460	-0.077
	ANOHR	8.78	-4.727	-0.482
Andote 1	EAF	0.68	3.166	0.022
	ANOHR	7.30	-0.29	-0.021
Andote 2	EAF	0.38	-10.000	-0.038
	ANOHR	8.25	0.000	0
GPIF System		100.00		0.959

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 Order No :

GPIF UNIT PERFORMANCE SUMMARY

Company: Florida Power Corporation
 Period of: April, 1998 - September, 1998

Plant/Unit	Weighting Factor (%)	EAF Target (%)	SAF RANGE		Max. Fuel Savings (\$000)	Max. Fuel Loss (\$000)	EAF Adjusted Actual (%)	Estimated Fuel Savings/ Loss (\$000)
			Max. (%)	Min. (%)				
CR 1	4.15	73.25	78.58	86.88	372.7	866.1	65.62	3886.1
CR 2	16.61	85.51	91.18	72.39	1394.3	781.9	77.89	3459.4
CR 3	19.86	92.85	98.21	84.00	1788.9	3821.1	97.89	\$1,766.8
CR 4	8.95	80.53	83.25	74.99	304.4	1280.2	83.55	\$604.1
CR 5	2.23	96.85	98.34	90.75	200.1	482.0	95.77	\$188.8
AN 1	0.88	95.51	97.81	91.26	81.4	277.1	96.17	\$19.4
AN 2	0.38	95.49	97.81	81.15	34.4	74.4	93.87	\$74.4
GPIF System	51.55				4633.8	7,602.8		\$4,177.2

Plant/Unit	Weighting Factor (%)	ANQHR Target (Btu/kwh)	NOF	ANQHR RANGE		Max. Fuel Savings (\$000)	Max. Fuel Loss (\$000)	ANQHR Adjusted Actual Btu/kwh	Estimated Fuel Savings/ Loss
				Min Btu/kwh	Max. Btu/kwh				
CR 1	3.13	9808	90.7	9695	9925	181.8	(281.6)	9308.2	\$0.0
CR 2	4.80	9773	94.4	9823	9923	431.3	(431.3)	9732.1	\$0.0
CR 3	8.03	10483	99.0	10313	10513	722.0	(722.0)	10401.1	\$0.0
CR 4	7.17	9438	84.9	9288	9588	644.3	(644.3)	9461.7	\$0.0
CR 5	9.78	9344	97.5	9194	9494	878.8	(878.8)	9454.2	(\$415.4)
AN 1	7.30	9788	77.2	9554	10018	455.8	(855.8)	9864.53	(318.3)
AN 2	8.25	9846	72.2	8573	10120	741.8	(741.8)	9992.02	\$0.0
GPIF System	48.45					4325.4	(4,325.4)		(\$434.7)

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ACTUAL UNIT PERFORMANCE DATA

Company: Florida Power Corporation
 Period of: April, 1958 - September, 1958

PLANT/UNIT	ACTUAL EAF %	ADJUSTMENTS (1) TO EAF %	EAF ADJUSTED ACTUAL %
CRYSTAL RIVER 1	68.15	-3.53	64.62
CRYSTAL RIVER 2	78.65	-1.95	76.70
CRYSTAL RIVER 3	97.84	-0.00	97.84
CRYSTAL RIVER 4	85.70	-2.15	83.55
CRYSTAL RIVER 5	85.80	0.00	85.80
ANCLOTE UNIT 1	95.19	-0.00	95.19
ANCLOTE UNIT 2	83.95	-0.00	83.95
PLANT/UNIT	ACTUAL ANQHR BTU/KWH	ADJUSTMENTS (2) TO ANQHR BTU/KWH	ANQHR ADJUSTED ACTUAL BTU/KWH
CRYSTAL RIVER 1	9879.8	-71.7	9808.1
CRYSTAL RIVER 2	9768.3	-26.2	9742.1
CRYSTAL RIVER 3	10329.0	72.1	10401.1
CRYSTAL RIVER 4	9412.1	-49.6	9362.5
CRYSTAL RIVER 5	9473.6	-19.4	9454.2
ANCLOTE UNIT 1	9984.3	-119.8	9864.5
ANCLOTE UNIT 2	9982.4	-90.40	9892.0

(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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ADJUSTMENTS TO EAF ACTUAL

Company: Florida Power Corporation
 Period of: April, 1998 - September, 1998

EAF ADJUSTMENTS FOR PLANNED OUTAGE HOURS		CR1	CR2	CR3	CR4	CR5	AN1	AN2
1. ACTUAL POH	HRS.	884.00	0.00	0.00	808.32	0.00	0.00	0.00
2. TARGET POH	HRS.	884.00	98.00	0.00	800.00	0.00	0.00	0.00
3. ADJ. FACTOR (PH-POHT/PH-POHA)		0.95	0.98	1.00	0.98	1.00	1.00	1.00
4. ACTUAL EUGH *	HRS.	870.80	893.47	84.84	121.89	184.83	157.22	704.82
5. ADJ. EUGH (3*4)	HRS.	838.03	873.84	84.84	118.74	184.83	157.22	704.82
6. ACTUAL EAF *	%	89.15	79.85	97.84	85.70	95.80	98.19	83.85
7. ADJUSTED EAF (Using 2 & 5)	%	65.82	77.80	97.84	83.55	95.80	98.19	83.85
8. DIFFERENCE	%	-3.53	-1.86	-0.00	-2.15	0.00	-0.00	-0.00
9. TOTAL ADJ TO EAF (8 + 3)	%	-0.50	-1.86	-0.00	-2.15	0.00	-0.00	-0.00

*Actual EUGH and actual EAF are the adjusted values in Nos. 3 and 5 above.

Issued by: Florida Power Corporation

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ADJUSTMENTS TO ANOHR ACTUAL

Company: Florida Power Corporation
 Period of: April, 1988 - September, 1988

		<u>CR 1</u>	<u>CR 2</u>	<u>CR 3</u>	<u>CR 4</u>	<u>CR 5</u>	<u>AN 1</u>	<u>AN 2</u>
ANOHR adj for Target NOF								
1. Target NOF	%	90.7	94.4	99.0	84.9	97.5	77.2	72.2
2. Target ANOHR	R Btu/kwh	9804.5	9773.4	10483.4	8436.4	9343.7	9788.0	9846.5
3. Actual NOF	%	85.0	89.8	101.4	85.1	91.4	62.5	63.4
4. Gas. ANOHR	Btu/kwh (using 3)	8676.2	8799.6	10391.2	9388.8	9383.1	9804.8	9938.9
5. Total adj. to ANOHR (2-4)	Btu/kwh	-71.7	-28.2	72.2	48.6	-19.4	-119.8	-90.4

Issued by: Florida Power Corporation

Filed:
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 Docket No.:
 Order No.:

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: April, 1998 - September, 1998
 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	\$372,700	76.58	10	\$281,600	9854.5
9	\$335,430	76.23	9	\$253,440	9662.0
8	\$296,160	75.90	8	\$225,280	9689.5
7	\$260,860	75.57	7	\$197,120	9677.0
6	\$223,620	75.24	6	\$168,960	9684.5
5	\$186,350	74.91	5	\$140,800	9692.0
4	\$149,080	74.58	4	\$112,640	9699.5
3	\$111,810	74.25	3	\$84,480	9707.0
2	\$74,540	73.92	2	\$56,320	9714.5
1	\$37,270	73.59	1	\$28,160	9722.0
	\$0	73.26	0	\$0	9729.5
0	\$0	72.93	0.000	\$0	9688.2
	\$0	72.60	0	\$0	9804.5
-1	(\$68,810)	72.26	0	\$0	9879.5
-2	(\$177,220)	71.94	-1	(\$28,160)	9867.0
-3	(\$285,630)	71.62	-2	(\$56,320)	9884.5
-4	(\$354,440)	70.62	-3	(\$84,480)	9902.0
-5	(\$443,060)	69.66	-4	(\$112,640)	9909.5
-6	(\$531,680)	69.30	-5	(\$140,800)	9917.0
-7	(\$620,270)	68.94	-6	(\$168,960)	9924.5
-8	(\$708,840)	67.98	-7	(\$197,120)	9932.0
-9	(\$797,490)	67.32	-8	(\$225,280)	9939.5
-10	(\$886,100)	66.66	-9	(\$253,440)	9947.0
***	-10.000	66.62	-10	(\$281,600)	9954.5

Equivalent Availability
 Weighting Factor:

4.15%

Heat Rate
 Weighting Factor:

3.13%

Issued by: FPC

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

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: April, 1988 - September, 1988
 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	\$1,334,300	91.18	10	\$431,300	9923.4
9	\$1,254,870	90.61	9	\$388,170	9930.8
8	\$1,115,440	90.05	8	\$345,040	9938.4
7	\$976,010	89.48	7	\$301,910	9945.9
6	\$836,580	88.91	6	\$258,780	9953.4
5	\$697,150	88.34	5	\$215,650	9960.9
4	\$557,720	87.78	4	\$172,520	9968.4
3	\$418,290	87.21	3	\$129,390	9975.9
2	\$278,860	86.65	2	\$86,260	9983.4
1	\$139,430	86.08	1	\$43,130	9990.9
	\$0	85.51	0	\$0	9998.4
0	\$0	85.51	0.000	\$0	9732.1
	\$0	85.51	0	\$0	9773.4
-1	(\$78,190)	84.20	0	\$0	9848.4
-2	(\$158,380)	82.89	-1	(\$43,130)	9855.9
-3	(\$234,570)	81.68	-2	(\$86,260)	9863.4
-4	(\$312,760)	80.26	-3	(\$129,390)	9870.9
-5	(\$390,950)	78.95	-4	(\$172,520)	9878.4
-5.876	(\$459,432)	77.80	-5	(\$215,650)	9886.9
-6	(\$499,140)	77.64	-6	(\$258,780)	9893.4
-7	(\$547,830)	76.33	-7	(\$301,910)	9900.9
-8	(\$625,520)	75.01	-8	(\$345,040)	9908.4
-9	(\$703,710)	73.70	-9	(\$388,170)	9915.9
-10	(\$781,900)	72.39	-10	(\$431,300)	9923.4

Equivalent Availability
 Weighting Factor:

15.51%

Heat Rate
 Weighting Factor:

4.80%

Issued by: FPC

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 Effective:
 Docket No.:
 Order No.:

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: April, 1998 - September, 1998
 Unit: Crystal River 3

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10,000	\$1,768,900	97.84	10	\$722,000	10313.4
10	\$1,768,900	96.21	9	\$849,800	10320.9
9	\$1,590,210	95.87	8	\$577,600	10328.4
8	\$1,413,520	95.54	7	\$505,400	10335.9
7	\$1,236,830	95.20	6	\$433,200	10343.4
6	\$1,060,140	94.87	5	\$361,000	10350.9
5	\$883,450	94.53	4	\$288,800	10358.4
4	\$706,760	94.20	3	\$216,600	10365.9
3	\$530,070	93.88	2	\$144,400	10373.4
2	\$353,380	93.52	1	\$72,200	10380.9
1	\$176,690	93.19	0	\$0	10388.4
0	\$0	92.85	0.000	\$0	10401.1
0	\$0	92.85	0	\$0	10459.4
0	\$0	92.85	0	\$0	10518.4
-1	(\$382,110)	92.17	-1	(\$72,200)	10545.9
-2	(\$764,220)	91.48	-2	(\$144,400)	10553.4
-3	(\$1,146,330)	90.80	-3	(\$216,600)	10560.9
-4	(\$1,528,440)	90.11	-4	(\$288,800)	10568.4
-5	(\$1,910,550)	89.43	-5	(\$361,000)	10575.9
-6	(\$2,292,660)	88.74	-6	(\$433,200)	10583.4
-7	(\$2,674,770)	88.06	-7	(\$505,400)	10590.9
-8	(\$3,056,880)	87.37	-8	(\$577,600)	10598.4
-9	(\$3,438,990)	86.69	-9	(\$649,800)	10605.9
-10	(\$3,821,100)	86.00	-10	(\$722,000)	10613.4

Equivalent Availability Weighting Factor:

19.68%

Heat Rate Weighting Factor:

8.03%

Issued by: FPC

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 Effective:
 Docket No.:
 Order No.:

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: April, 1998 - September 1998
 Unit: Crystal River 4

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10.000	\$804,100	83.55	10	\$644,300	9288.4
9	\$723,690	82.98	9	\$579,870	9295.9
8	\$643,280	82.41	8	\$515,440	9303.4
7	\$562,870	81.84	7	\$451,010	9310.9
6	\$482,460	81.27	6	\$386,580	9318.4
5	\$402,050	80.70	5	\$322,150	9325.9
4	\$321,640	80.13	4	\$257,720	9333.4
3	\$241,230	79.56	3	\$193,290	9340.9
2	\$160,820	78.99	2	\$128,860	9348.4
1	\$80,410	78.42	1	\$64,430	9355.9
0	\$0	77.85	0	\$0	9363.4
0	\$0	77.28	0.000	\$0	9370.9
0	\$0	76.71	0	\$0	9378.4
-1	(\$128,020)	76.14	-1	(\$64,430)	9385.9
-2	(\$256,040)	75.57	-2	(\$128,860)	9393.4
-3	(\$384,060)	75.00	-3	(\$193,290)	9400.9
-4	(\$512,080)	74.43	-4	(\$257,720)	9408.4
-5	(\$640,100)	73.86	-5	(\$322,150)	9415.9
-6	(\$768,120)	73.29	-6	(\$386,580)	9423.4
-7	(\$896,140)	72.72	-7	(\$451,010)	9430.9
-8	(\$1,024,160)	72.15	-8	(\$515,440)	9438.4
-9	(\$1,152,180)	71.58	-9	(\$579,870)	9445.9
-10	(\$1,280,200)	71.01	-10	(\$644,300)	9453.4

Equivalent Availability
 Weighting Factor:

8.85%

Heat Rate
 Weighting Factor:

7.17%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: April, 1998 - September, 1998
 Unit: Crystal River 5

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
	0.00				
10	\$200,100	98.34	10	\$878,800	9193.7
9	\$180,080	98.19	9	\$790,920	9201.2
8	\$160,060	98.04	8	\$703,040	9208.7
7	\$140,070	97.89	7	\$615,180	9216.2
6	\$120,060	97.74	6	\$527,280	9223.7
5	\$100,050	97.59	5	\$439,400	9231.2
4	\$80,040	97.44	4	\$351,520	9238.7
3	\$60,030	97.29	3	\$263,640	9246.2
2	\$40,020	97.14	2	\$175,760	9253.7
1	\$20,010	96.99	1	\$87,880	9261.2
0	\$0	96.85	0	\$0	9268.7
	\$0	96.85	0	\$0	9343.7
	\$0	96.85	0	\$0	9418.7
-1	(\$48,200)	96.54	-1	(\$587,880)	9426.2
-2	(\$96,400)	96.23	-2	(\$1175,760)	9433.7
-3	(\$144,600)	95.92	-3	(\$1763,640)	9441.2
-3.480	(\$168,781)	95.80	-4	(\$2351,520)	9448.7
-4	(\$192,800)	95.61	-4	(\$2939,400)	9456.2
-5	(\$241,000)	95.30	-4.727	(\$3527,280)	9463.7
-6	(\$289,200)	94.99	-5	(\$4115,160)	9471.2
-7	(\$337,400)	94.68	-6	(\$4703,040)	9478.7
-8	(\$385,600)	94.37	-7	(\$5290,920)	9486.2
-9	(\$433,800)	94.06	-8	(\$5878,800)	9493.7
-10	(\$482,000)	93.75	-10		

Equivalent Availability Weighting Factor:

2.23%

Heat Rate Weighting Factor:

0.78%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: April 1988 - September, 1988
 Unit: Anclote 1

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$51,400	97.61	10	\$655,800	9554.0
9	\$55,280	97.40	9	\$590,220	9569.8
8	\$48,120	97.19	8	\$524,640	9585.2
7	\$42,980	96.98	7	\$459,080	9600.8
6	\$36,840	96.77	6	\$393,480	9616.4
5	\$30,700	96.56	5	\$327,800	9632.0
4	\$24,580	96.35	4	\$262,320	9647.6
3.168	\$18,438	96.14	3	\$196,740	9663.2
3	\$18,420	96.14	2	\$131,160	9678.8
2	\$12,280	95.93	1	\$65,580	9694.4
1	\$6,140	95.72	0	\$0	9710.0
0	\$0	95.51	0	\$0	9725.6
0	\$0	95.51	0	\$0	9800.0
0	\$0	95.51	-0.284	(\$19,265)	9864.5
-1	(\$27,710)	95.08	-1	(\$65,580)	9875.6
-2	(\$55,420)	94.66	-2	(\$131,160)	9891.2
-3	(\$83,130)	94.23	-3	(\$196,740)	9906.8
-4	(\$110,840)	93.81	-4	(\$262,320)	9922.4
-5	(\$138,550)	93.38	-5	(\$327,900)	9938.0
-6	(\$166,260)	92.96	-6	(\$393,480)	9953.6
-7	(\$193,970)	92.53	-7	(\$459,080)	9969.2
-8	(\$221,680)	92.11	-8	(\$524,640)	9984.8
-9	(\$249,380)	91.68	-9	(\$590,220)	10000.4
-10	(\$277,100)	91.26	-10	(\$655,800)	10016.0

Equivalent Availability
 Weighting Factor:
 0.63%

Heat Rate
 Weighting Factor:
 7.30%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: April, 1998 - September, 1999
 Unit: Anclote 2

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$34,400	97.81	10	\$741,600	9572.7
9	\$30,960	97.40	9	\$667,440	9582.8
8	\$27,520	97.19	8	\$593,280	9612.5
7	\$24,080	96.98	7	\$519,120	9632.5
6	\$20,640	96.76	6	\$444,960	9652.2
5	\$17,200	96.55	5	\$370,800	9672.1
4	\$13,760	96.34	4	\$296,640	9692.0
3	\$10,320	96.13	3	\$222,480	9711.9
2	\$6,880	95.82	2	\$148,320	9731.7
1	\$3,440	95.70	1	\$74,160	9751.6
0	\$0	95.49	0	\$0	9771.5
	0.00	95.49	0	\$0	9846.5
	\$0	95.49	0.000	\$0	9892.0
-1	(\$7,440)	95.08	0	\$0	9921.5
-2	(\$14,880)	94.82	-1	(\$74,160)	9941.4
-3	(\$22,320)	94.19	-2	(\$148,320)	9961.3
-4	(\$29,760)	93.76	-3	(\$222,480)	9981.1
-5	(\$37,200)	93.32	-4	(\$296,640)	10001.0
-6	(\$44,640)	92.89	-5	(\$370,800)	10020.9
-7	(\$52,080)	92.45	-6	(\$444,960)	10040.8
-8	(\$59,520)	92.02	-7	(\$519,120)	10060.7
-9	(\$66,960)	91.58	-8	(\$593,280)	10080.5
-10	(\$74,400)	91.15	-9	(\$667,440)	10100.4
**** -10 000	(\$74,400)	89.95	-10	(\$741,600)	10120.3

Equivalent Availability
 Weighting Factor:

0.38%

Heat Rate
 Weighting Factor:

8.25%

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ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

CRYSTAL RIVER 1	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Apr-Sept Period
1. EAF	63.75	42.84	75.57	50.14	93.47	95.40	69.15
2. PH	719	744	720	744	744	720	4391
3. SH	457.0	320.3	562.0	389.9	712.5	720.0	3175.6
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	252.0	423.8	138.0	357.1	31.5	0.0	1212.2
6. POH	262.0	422.0	0.0	0.0	0.0	0.0	684.0
7. POH	0.0	1.7	0.0	182.3	31.5	0.0	165.4
8. MOH	0.0	0.0	138.0	194.8	0.0	0.0	332.8
9. PFOH	4.3	3.0	278.6	138.6	45.6	49.5	515.6
10. LR PF (MW)	40.5	186.0	97.3	37.4	108.1	121.2	84.5
11. PMOH	5.0	0.0	13.1	0.0	8.6	48.2	72.9
12. LR PM (MW)	188.0	0.0	65.8	0.0	155.7	137.0	169.8
13. NSC (MW)	372	372	372	372	372	372	372
14. OPER MBTU	1555383	984588	1776007	1065894	2352592	2175411	9830893
15. NET GEN (MWH)	199666	102938	177620	108095	237204	222615	1005168
16. ANOHR (BTU/KWH)	9802.3	9747.3	10004.5	10055.0	9918.0	9772.1	9879.8
17. NOF (%)	83.9	85.7	82.0	73.7	89.5	83.1	85.0
18. NPC (MW)	372	372	372	372	372	372	372

ANOHR EQUATION: ANOHR = -12.475 * NOF + 10635.6

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ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

CRYSTAL RIVER 2	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Apr-Sep Period
1. SAF	94.18	88.22	21.80	98.86	89.58	94.60	79.85
2. PH	719	744	720	744	744	720	4391
3. SH	593.5	530.0	157.0	744.0	744.0	718.8	3597.2
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. LH	25.5	214.1	580.0	0.0	0.0	1.2	803.8
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	1.2	214.1	534.6	0.0	0.0	1.2	751.0
8. MOH	24.3	0.0	28.5	0.0	0.0	0.0	52.8
9. PFOH	251.6	494.8	0.0	18.8	107.3	58.9	927.4
10. LR PF (MW)	8.9	13.7	0.0	29.5	20.0	120.5	19.4
11. PMOH	28.8	16.0	0.0	37.4	0.0	49.3	131.5
12. LR PM (MW)	205.9	234.0	0.0	93.6	0.0	219.0	182.5
13. NSC (MW)	468	468	468	468	468	468	468
14. OPER MBTU	2526673	1998910	829681	3324318	3348329	2886980	14713588
15. NET GEN (MWH)	251686	202759	83207	341576	341346	297255	1607808
16. ANCHR (BTU/KWH)	9995.1	9807.3	9980.6	9732.3	9809.2	9708.8	9758.3
17. NOF (%)	80.6	81.8	85.0	98.1	98.0	89.4	89.8
18. NPC (MW)	468	468	468	468	468	468	468

ANCHR EQUATION: ANCHR = -5.706 * NOF + 10312.0

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ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

CRYSTAL RIVER 3	Apr-88	May-88	Jun-88	Jul-88	Aug-88	Sep-88	Apr-Sept Period
1. EAF	95.50	89.51	86.99	88.26	93.83	100.00	97.84
2. PH	719	744	720	744	744	720	4391
3. SH	708.5	744.0	720.0	744.0	704.5	720.0	4339.8
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. LH	12.7	0.0	0.0	0.0	39.5	0.0	52.2
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	0.0	0.0	0.0	0.0	39.5	0.0	39.5
8. MOH	12.7	0.0	0.0	0.0	0.0	0.0	12.7
9. PFOH	0.0	30.2	0.0	78.6	0.0	0.0	109.8
10. LR PF (MW)	0.0	88.2	0.0	19.5	0.0	0.0	36.7
11. PMOH	72.4	0.0	3.0	71.2	20.9	0.0	167.5
12. LR PM (MW)	201.6	0.0	8.1	113.4	227.8	0.0	163.9
13. NSC (MW)	743	743	743	743	743	743	743
14. OPER MBTU	5439881	5311581	5548432	5733544	5491954	5650215	33776897
15. NET GEN (MWH)	529717	587837	544744	581012	527085	548801	3259896
16. ANOHR (BTU/KWH)	10269.8	10234.6	10369.0	10405.5	10419.5	10280.6	10329.0
17. NOF (%)	100.9	102.7	101.8	99.7	100.7	102.7	101.4
18. NPG (MW)	743	743	743	743	743	743	743

ANOHR EQUATION: ANOHR = -29.749 * NOF + 13408.8

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ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

CRYSTAL RIVER 4	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Apr-Sept Period
1. EAF	27.38	89.98	98.30	98.77	98.83	99.85	85.70
2. PH	719	744	720	744	744	720	4391
3. SH	198.7	669.8	720.0	744.0	737.7	720.0	3788.3
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	522.3	74.2	0.0	0.0	6.3	0.0	602.8
6. POH	508.3	0.0	0.0	0.0	0.0	0.0	508.3
7. FOH	0.0	0.0	0.0	0.0	6.3	0.0	6.3
8. MOH	16.0	74.2	0.0	0.0	0.0	0.0	90.2
9. PFOH	0.0	0.4	50.7	26.8	16.7	21.6	116.3
10. LR PF (MW)	0.0	687.0	688.8	236.7	100.1	34.8	151.7
11. PMOH	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
13. NSC (MW)	897	897	897	897	897	897	897
14. OPER (MBTU)	1048088	3991304	4898661	4790710	4789447	4406800	23638805
15. NET GEN (MWH)	108000	428877	485888	510424	503918	464640	2611548
16. ANQHR (BTU/KWH)	9858.2	9306.4	9358.1	9388.7	9484.7	9481.7	9412.1
17. NOF (%)	78.8	91.8	88.8	88.4	98.0	92.8	95.3
18. NPC (MW)	687.0	687.0	687.0	687.0	687.0	687.0	687

ANQHR EQUATION: ANQHR = -4.847 * NOF + 9848.8

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ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

CRYSTAL RIVER 5	Apr-88	May-88	Jun-88	Jul-88	Aug-88	Sep-88	Apr-Sept Period
1. EAF	95.88	68.82	88.45	87.37	88.88	95.32	95.80
2. PH	719	744	720	744	744	720	4381
3. SH	705.8	744.0	641.3	737.7	744.0	888.8	4261.4
4. RSH	11.5	0.0	0.0	0.0	0.0	0.0	11.5
5. UH	1.9	0.0	78.7	8.3	0.0	31.2	118.1
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	1.9	0.0	78.7	8.3	0.0	31.2	118.1
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PFOH	45.2	2.2	58.0	32.5	12.6	17.2	186.1
10. LR PF (MW)	449.1	124.0	55.2	284.2	487.6	100.0	244.1
11. PWOH	0.0	122.3	0.0	0.0	0.0	0.0	122.3
12. LR PM (MW)	0.0	47.7	0.0	0.0	0.0	0.0	47.7
13. NSC (MW)	697	697	697	697	697	697	697
14. OPER MBTU	3861393	4332471	4075899	4811484	4885781	4038297	25715125
15. NET GEN (MWH)	413393.0	460044.0	430279.0	486309.0	494835.0	428951.0	2714411.0
16. ANQHR (BTU/KWH)	9582.6	9417.5	9472.2	9482.8	9489.8	9401.2	9473.6
17. NOF (%)	84.1	88.7	86.3	84.8	85.4	89.5	81.4
18. NPC (MW)	687	697	697	697	697	697	687

ANQHR EQUATION: ANQHR = -3.188 * NOF + 9652.6

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ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

ANCLOTE 1	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Apr-Sept Period
1. EAF	87.19	87.97	96.82	91.20	95.88	97.82	96.19
2. PH	719	744	720	744	744	720	4391
3. SH	718.0	743.2	720.0	708.8	744.0	720.0	4349.5
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. QH	0.0	0.8	0.0	40.7	0.0	0.0	41.5
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	0.0	0.8	0.0	40.7	0.0	0.0	41.5
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PFOH	9.4	9.1	20.0	187.1	3.3	0.0	228.9
10. LR PF (MW)	227.8	68.4	249.8	18.0	156.9	0.0	50.6
11. PMQH	48.3	53.0	40.7	96.9	78.6	48.5	364.0
12. LR PM (MW)	169.7	169.7	164.2	95.8	149.3	165.5	144.5
13. NSC (MW)	511	511	511	511	511	511	511
14. OPER MBTU	1835486	2258191	2558070	2486823	2454750	2208722	13877841
15. NET GEN (MMWH)	194328	223068	254886	244395	251547	218018	1389980
16. ANQHR (BTU/KWH)	8959.9	10117.2	9881.7	10010.8	9758.6	10224.7	9984.3
17. NOF (%)	52.9	58.7	70.3	68.6	68.2	58.7	62.5
18. NPC (MW)	511.0	511.0	511.0	511.0	511.0	511.0	511

ANQHR EQUATION: ANQHR = -8.144 * NOF + 10414.1

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ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

ANCLOTE 2	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Apr-Sept Period
1. EAF	33.31	68.66	89.08	98.83	88.89	98.08	63.95
2. PH	719	744	720	744	744	720	4391
3. SH	255.5	744.0	890.2	744.0	889.3	720.0	3852.9
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	453.6	0.0	29.8	0.0	54.7	0.0	538.1
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	6.7	0.0	29.8	0.0	49.3	0.0	84.8
8. MOH	446.6	0.0	0.0	0.0	6.5	0.0	453.3
9. PFOH	102.0	25.2	109.9	24.1	24.4	0.0	375.9
10. LR PF (MW)	98.1	21.3	82.3	51.1	44.8	0.0	77.9
11. PMOH	26.3	61.7	51.2	70.3	80.1	43.0	332.7
12. LR PM (MW)	130.3	198.7	185.4	164.9	184.8	185.8	168.3
13. NSC (MW)	511	511	511	511	511	511	511
14. OPER MBTU	756203	2252711	2389057	2560388	2397091	2107778	12459164
16. NET GEN (MWH)	75734	227904	241190	259378	234383	210547	1248115
18. ANOHR (BTU/KWH)	10011.4	9884.6	9905.3	9609.5	10227.8	9882.6	9982.4
17. NOF (%)	55.8	59.8	68.4	88.0	65.8	67.2	63.4
18. NPC (MW)	511.0	511.0	511.0	511.0	511.0	511.0	511

ANOHR EQUATION: ANOHR = -10.213 * NOF + 10544.3

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**PLANNED OUTAGE SCHEDULES
ACTUAL**

Company: Florida Power Corporation
Period of: April 1998 - September 1998

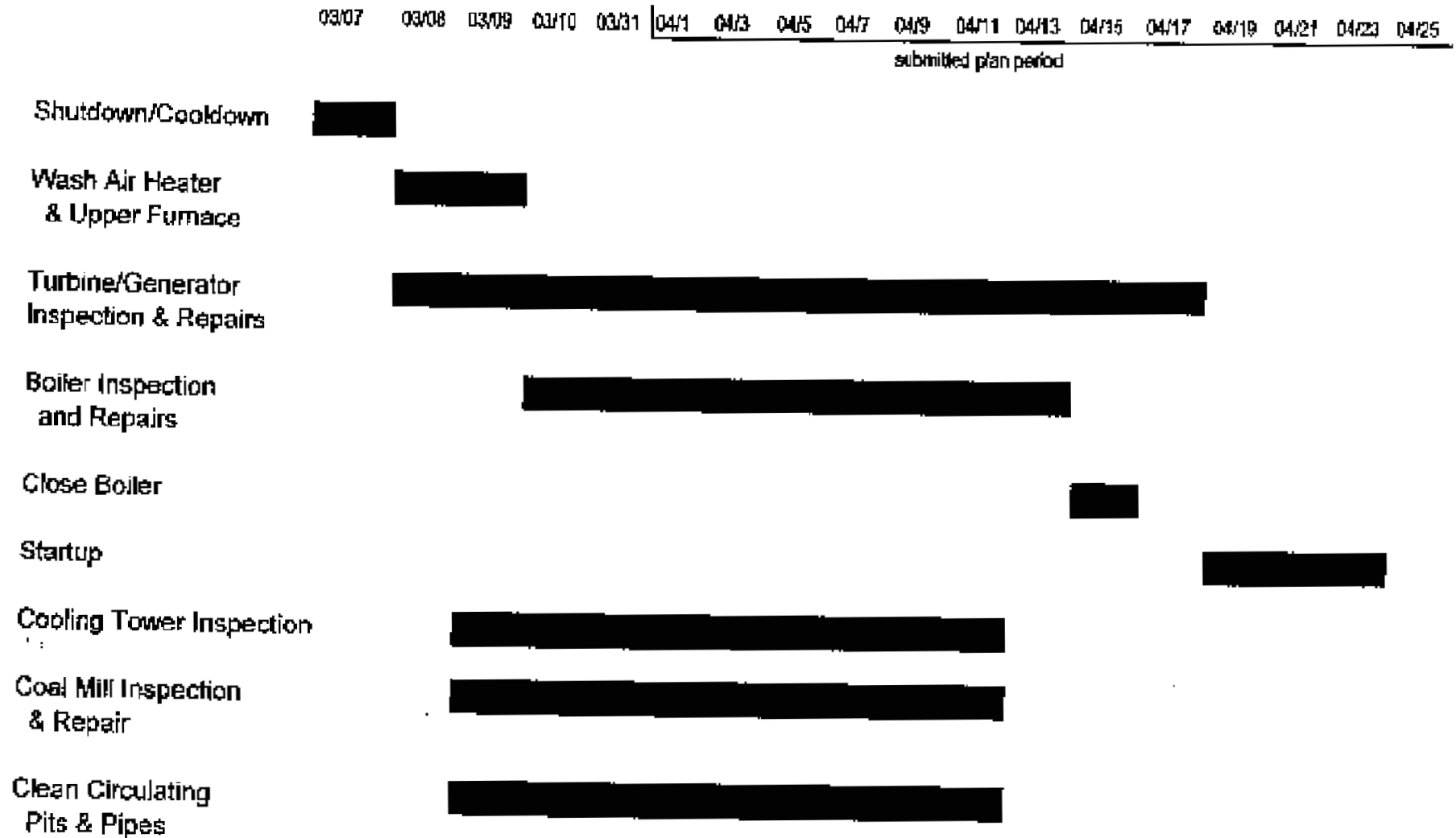
<u>Plant/Unit</u>	<u>Actual Outage Dates</u>	<u>Reason for Outage(1)</u>
Crystal River 1	04/20(0001) - 05/18(2400)	Boiler Inspection
Crystal River 4	03/07(0001) - 04/22(2400)	Turbine/Generator/Boiler

(1) To be accompanied by a critical path bar chart or milestone date chart of major activity to be performed during the outage.

FLORIDA POWER CORPORATION

ACTUAL FOR CRYSTAL RIVER #4 1998 TURBINE/GENERATOR/BOILER

(indicating dates ending midnight)



████████ = (DENOTES CRITICAL PATH)

FLORIDA POWER CORPORATION

ACTUAL FOR CRYSTAL RIVER #1 1998 BOILER INSPECTION

(indicating dates ending midnight)

04/20	04/21	04/22	04/24	04/26	04/28	04/30	05/01	05/03	05/05	05/07	05/09	05/11	05/13	05/15	05/17	05/18
submitted plan period																

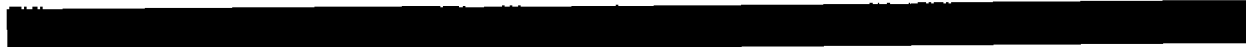
Shutdown/Cooldown



Wash Air Heater
& Upper Furnace



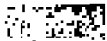
Turbine/Generator
Inspection



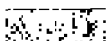
Boiler Inspection



Close Boiler



Startup



= (DENOTES CRITICAL PATH)

GPI98CR1.XLS

GPIF REWARD/PENALTY SCHEDULES

<u>Descriptive Title</u>	<u>Sheet</u>
• Reward/Penalty Table (Actual)	1
• Calculation of Maximum Incentive Dollars (Actual)	2
• Calculation of System Actual GPIF Points	3
• GPIF Unit Performance Summary	4
• Actual Unit Performance Data	5
• Adjustments to EAF Actual	6
• Adjustments to ANOHR Actual	7
• Generating Performance Incentive Points Table	8-14
• Actual Unit Performance Data	15-21
• Planned Outage Schedules (Actual)	22-24

GENERATING PERFORMANCE INCENTIVE FACTOR

REWARD/PENALTY TABLE

ACTUAL

Company: Florida Power Corporation
 Period of: October 1998 - December 1998

Generating Performance Incentive Points (GPIF)	Fuel Savings/Loss (\$)	Generating Performance Incentive Factor (\$)
10	\$5,887,600	\$1,823,945
9	\$5,367,840	\$1,641,551
8	\$4,798,080	\$1,459,156
7	\$4,198,320	\$1,276,762
6	\$3,588,560	\$1,094,367
5	\$2,968,800	\$911,973
4	\$2,369,040	\$729,578
3.875	\$2,324,308	\$706,861
3	\$1,789,280	\$547,184
2	\$1,189,520	\$384,789
1	\$589,760	\$182,395
0	\$0	\$0
-1	\$(52,250)	(\$182,395)
-2	\$1,304,500	(\$364,789)
-3	\$1,666,750	(\$547,184)
-4	\$2,029,000	(\$729,578)
-5	\$3,281,250	(\$911,973)
-6	\$3,913,500	(\$1,094,367)
-7	\$4,665,750	(\$1,276,762)
-8	\$5,218,000	(\$1,459,156)
-9	\$5,870,250	(\$1,641,551)
-10	\$(8,522,500)	(\$1,823,945)

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GENERATION PERFORMANCE INCENTIVE FACTOR

CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS

COMPANY: FLORIDA POWER CORPORATION
 FOR THE PERIOD OF
 October 1988 - December 1988

1 Beginning of period balance of common equity	\$1,842,890,000
2 END OF MONTH BALANCE OF COMMON EQUITY: Month of OCTOBER 1988	\$1,888,064,766
3 Month of NOVEMBER 1988	\$1,876,552,811
4 Month of DECEMBER 1988	\$1,820,087,885
5 Average common equity for the period (Summation of LINE 1 through LINE 4 divided by 4)	\$1,860,882,068
6 25 Basis Points	0.0025
7 Revenue Expansion Factor	61.9738%
8 Maximum allowed Incentive dollars (LINE 5 times LINE 6 divided by LINE 7 times 0.25)	\$1,884,825
9 Jurisdictional Sales *	8,390,433 MWH
10 Total Sales *	8,570,704 MWH
11 Jurisdictional Separation Factor (LINE 9 divided by LINE 10)	96.77%
12 Maximum allowed Jurisdictional Incentive dollars (LINE 8 times LINE 11)	\$1,823,948

Net sales (Sales - Interruptible)

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CALCULATION OF SYSTEM ACTUAL GPIF POINTS

Company: Florida Power Corporation
 Period of: Oct. 1998 - Dec. 1998

Plant/Unit	Performance Indicator EAF or ANOHR	Weighting Factor %	Unit Points	Weighted Unit Points
Anclote 1	EAF	0.84	7.115	0.060
	ANOHR	4.40	0.000	0.000
Anclote 2	EAF	0.23	10.000	0.023
	ANOHR	2.98	-0.431	-0.010
Crystal River 1	EAF	3.00	-5.192	-0.156
	ANOHR	5.96	0.000	0.000
Crystal River 2	EAF	5.56	8.549	0.475
	ANOHR	5.31	4.080	0.257
Crystal River 3	EAF	34.77	10.000	3.477
	ANOHR	10.00	4.721	0.472
Crystal River 4	EAF	4.17	-9.388	-0.392
	ANOHR	8.91	-0.715	-0.084
Crystal River 5	EAF	2.68	-10.000	-0.268
	ANOHR	10.80	0.000	0.000
GPIF System		100.00		3.875

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GPIF UNIT PERFORMANCE SUMMARY

Company: Florida Power Corporation
 Period of: October 1988 - December 1988

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. (%)				
ANC. 1	0.84	88.77	80.47	85.32	30.1	(52.0)	88.97	\$21.4
ANC. 2	0.23	46.07	46.87	43.44	8.2	(21.4)	48.94	\$9.2
C.R. 1	3.00	91.74	95.90	83.99	107.5	(34.1)	87.71	(\$13.0)
C.R. 2	5.68	88.50	94.38	77.82	199.5	(185.5)	93.88	\$170.8
C.R. 3	34.77	90.71	85.08	81.81	1247.3	(2413.1)	98.44	\$1,247.3
C.R. 4	4.17	81.89	86.88	84.30	149.7	(380.3)	84.76	(\$380.5)
C.R. 5	2.88	88.80	90.92	85.85	98.1	(127.3)	77.79	(\$127.3)
GPIF System	51.25				1438.4	(3216.6)		\$940.7

Plant/Unit	Weighting Factor (%)	ANQHR Target (Btu/kwh)	ANQHR RANGE			Max. Fuel Savings (\$000)	Max. Fuel Loss (\$000)	ANQHR Adjusted Actual (Btu/kwh)	Estimated Fuel Savings/ Loss (\$000)
			NOP	Max. (Btu/kwh)	Min. (Btu/kwh)				
ANC. 1	4.4	10192	40	9804	10478	157.9	(157.9)	10199.8	\$0.0
ANC. 2	2.38	10294	32.7	9855	10613	85.6	(85.6)	10370.0	(\$3.7)
C.R. 1	8.98	9825	91.3	9445	9895	213.8	(213.8)	9887.9	\$0.0
C.R. 2	8.31	9857	94.2	9507	9807	228.3	(228.3)	9851.4	\$82.3
C.R. 3	10	10427	98.8	10277	10577	358.7	(358.7)	10318.8	\$108.9
C.R. 4	8.91	9480	72.9	9310	9810	319.5	(319.5)	9540.4	(\$22.8)
C.R. 5	18.8	9301	82.8	9151	9461	387.4	(387.4)	9381.3	\$0.0
GPIF System	48.76					1748.1	(1748.1)		\$235.1

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ACTUAL UNIT PERFORMANCE DATA

Company: Florida Power Corporation
 Period of: October 1988 - December 1988

PLANT/UNIT	ACTUAL EAF %	ADJUSTMENTS (1) TO EAF %	EAF ADJUSTED ACTUAL %
CRYSTAL RIVER 1	87.71	0.00	87.71
CRYSTAL RIVER 2	88.88	0.00	88.88
CRYSTAL RIVER 3	88.44	0.00	88.44
CRYSTAL RIVER 4	84.78	0.00	84.78
CRYSTAL RIVER 5	84.21	-8.42	77.79
ANCLOTE UNIT 1	88.28	7.88	88.87
ANCLOTE UNIT 2	48.93	2.01	46.94

PLANT/UNIT	ACTUAL ANQHR BTU/KWH	ADJUSTMENTS (2) TO ANQHR BTU/KWH	ANQHR ADJUSTED ACTUAL BTU/KWH
CRYSTAL RIVER 1	9772.8	-176.8	9597.5
CRYSTAL RIVER 2	8787.9	-216.8	8561.4
CRYSTAL RIVER 3	10188.8	127.8	10316.6
CRYSTAL RIVER 4	9483.8	58.8	9540.4
CRYSTAL RIVER 5	8418.4	-52.1	8361.3
ANCLOTE UNIT 1	9734.0	488.8	10188.8
ANCLOTE UNIT 2	8706.8	884.4	10370.0

(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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ADJUSTMENTS TO EAF ACTUAL

Company: Florida Power Corporation
 Period of: October 1998 - December 1998

EAF ADJUSTMENTS FOR
PLANNED OUTAGE HOURS

		CR1	CR2	CR3	CR4	CR5	AN1	AN2
1. ACTUAL POH	HRS.	0.00	0.00	0.00	0.00	0.00	342.45	1221.83
2. TARGET POH	HRS.	0.00	0.00	0.00	0.00	168.00	148.00	1176.00
3. ADJ. FACTOR (PH-POHT/PH-POHA)		1.00	1.00	1.00	1.00	0.92	1.00	1.05
4. ACTUAL EUOH *	HRS.	271.47	140.16	34.66	336.68	348.88	48.79	18.91
5. ADJ. EUOH (3*4)	HRS.	271.47	140.16	34.66	336.58	322.33	53.36	17.69
6. ACTUAL EAF *	%	87.71	93.68	98.44	84.76	84.21	82.28	43.83
7. ADJUSTED EAF (using 2 & 5)	%	87.71	93.68	98.44	84.76	77.79	89.97	46.84
8. DIFFERENCE	%	0.00	0.00	0.00	0.00	-6.42	7.68	2.01
9. TOTAL ADJ TO EAF (6 + 8)	%	0.00	0.00	0.00	0.00	-6.42	7.68	2.01

* Actual EUOH and actual EAF are the adjusted values in Nos. 3 and 5 above.

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ADJUSTMENTS TO ANOHR ACTUAL

Company: Florida Power Corporation
 Period of: October 1988 - December 1988

ANOHR adj for
 Target NOF

		CR 1	CR 2	CR 3	CR 4	CR 5	AN 1	AN 2
1. Target NOF	%	81.3	84.2	88.8	72.9	82.8	40.0	32.7
2. Target ANOHR	\$/kwh	8826.0	9657.0	10427.0	9469.0	8301.0	10183.0	10284.0
3. Actual NOF	%	80.4	70.8	103.4	80.8	78.4	88.4	88.7
4. Calc. ANOHR (Using 3)	\$/kwh	8800.9	8873.5	10299.2	8405.2	8353.1	8728.2	8814.8
5. Total adj. to ANOHR (2-4)	\$/kwh	-178.3	-216.5	127.8	56.8	-52.4	-465.8	664.4

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: October 1988 - December 1988
 Unit: Crystal River Unit 1

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$107,500	95.89	10	\$213,800	9445.1
9	\$96,750	95.21	9	\$192,420	9455.8
8	\$86,000	94.53	8	\$171,040	9466.1
7	\$75,250	94.44	7	\$149,660	9476.6
6	\$64,500	94.05	6	\$128,280	9487.1
5	\$53,750	93.67	5	\$106,900	9497.6
4	\$43,000	93.28	4	\$85,520	9508.1
3	\$32,250	92.90	3	\$64,140	9518.8
2	\$21,500	92.61	2	\$42,760	9529.1
1	\$10,750	92.42	1	\$21,380	9539.6
	\$0	91.74	0	\$0	9550.1
0	\$0	91.74	0.000	\$0	9567.5
	\$0	91.74	0	\$0	9625.1
-1	(\$2,510)	90.96	0	\$0	9700.1
-2	(\$5,020)	90.19	-1	(\$21,380)	9710.8
-3	(\$7,530)	89.41	-2	(\$42,760)	9721.0
-4	(\$10,040)	88.63	-3	(\$64,140)	9731.5
-5	(\$12,550)	87.86	-4	(\$85,520)	9742.0
-6	(\$15,060)	87.71	-5	(\$106,900)	9752.5
-7	(\$17,570)	87.08	-6	(\$128,280)	9763.0
-8	(\$20,080)	86.31	-7	(\$149,660)	9773.5
-9	(\$22,590)	85.53	-8	(\$171,040)	9784.0
-10	(\$25,100)	84.75	-9	(\$192,420)	9794.5
		83.98	-10	(\$213,800)	9805.0

Equivalent Availability
 Weighting Factor:

3.00%

Heat Rate
 Weighting Factor:

6.95%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: October 1988 - December 1988
 Unit: Crystal River Unit 2

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$199,500	94.36	10	\$228,300	9508.7
9	\$179,560	93.86	9	\$203,670	9514.2
8.549	\$170,663	93.66	8	\$181,040	9521.7
8	\$158,800	93.39	7	\$158,410	9529.2
7	\$139,880	92.90	6	\$136,780	9536.7
6	\$118,700	92.42	5	\$113,150	9544.2
5	\$98,750	91.93	4.060	\$92,330	9551.4
4	\$79,800	91.45	4	\$90,520	9561.7
3	\$59,860	90.96	3	\$87,890	9568.2
2	\$39,900	90.47	2	\$45,280	9568.7
1	\$19,950	89.98	1	\$22,630	9574.2
0	\$0	89.50	0	\$0	9581.7
0	\$0	89.50	0	\$0	9586.7
0	\$0	89.50	0	\$0	9731.7
-1	(\$49,530)	89.31	-1	(\$22,830)	9739.2
-2	(\$37,080)	87.13	-2	(\$45,280)	9748.7
-3	(\$55,590)	85.94	-3	(\$67,890)	9754.2
-4	(\$74,120)	84.75	-4	(\$90,520)	9761.7
-5	(\$92,650)	83.56	-5	(\$113,150)	9769.2
-6	(\$111,180)	82.37	-6	(\$135,780)	9776.7
-7	(\$129,710)	81.19	-7	(\$158,410)	9784.2
-8	(\$148,240)	80.00	-8	(\$181,040)	9791.7
-9	(\$166,770)	78.81	-9	(\$203,670)	9799.2
-10	(\$185,300)	77.62	-10	(\$226,300)	9806.7

Equivalent Availability
 Weighting Factor:

6.68%

Heat Rate
 Weighting Factor:

6.31%

Issued by: FPC

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 Docket No.:
 Order No.:

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: October 1999 - December 1999
 Unit: Crystal River Unit 3

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10.000	\$1,247,300	99.44	10	\$358,700	10277.0
10	\$1,247,300	99.06	9	\$322,830	10284.5
9	\$1,122,570	94.62	8	\$288,660	10292.0
8	\$997,840	94.18	7	\$251,090	10299.5
7	\$873,110	93.75	6	\$215,220	10307.0
6	\$748,380	93.32	5	\$179,350	10314.5
5	\$623,650	92.88	4.721	\$169,342	10316.8
4	\$498,920	92.45	4	\$143,480	10322.0
3	\$374,190	92.01	3	\$107,610	10329.5
2	\$249,460	91.58	2	\$71,740	10337.0
1	\$124,730	91.14	1	\$35,870	10344.5
	\$0	90.71	0	\$0	10352.0
0	\$0	90.71	0	\$0	10427.0
	\$0	90.71	0	\$0	10502.0
-1	(\$241,310)	89.83	-1	(\$35,870)	10509.5
-2	(\$482,620)	88.95	-2	(\$71,740)	10517.0
-3	(\$723,930)	88.07	-3	(\$107,610)	10524.5
-4	(\$965,240)	87.19	-4	(\$143,480)	10532.0
-5	(\$1,206,550)	86.31	-5	(\$179,350)	10539.5
-6	(\$1,447,860)	85.43	-6	(\$215,220)	10547.0
-7	(\$1,689,170)	84.56	-7	(\$251,090)	10554.5
-8	(\$1,930,480)	83.67	-8	(\$288,660)	10562.0
-9	(\$2,171,790)	82.79	-9	(\$322,830)	10569.5
-10	(\$2,413,100)	81.91	-10	(\$358,700)	10577.0

Equivalent Availability
Weighting Factor:

34.77%

Heat Rate
Weighting Factor:

13.00%

Issued by: FPC

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

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: October 1993 - December 1998
 Unit: Crystal River Unit 4

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/kWh)
10	\$148,700	95.68	10	\$319,500	9310.4
9	\$134,730	96.30	9	\$287,550	9317.9
8	\$119,760	94.92	8	\$255,600	9325.4
7	\$104,790	94.54	7	\$223,650	9332.9
6	\$89,820	94.17	6	\$191,700	9340.4
5	\$74,850	93.79	5	\$159,750	9347.9
4	\$59,880	93.41	4	\$127,800	9355.4
3	\$44,910	93.03	3	\$95,850	9362.9
2	\$29,940	92.65	2	\$63,900	9370.4
1	\$14,970	92.27	1	\$31,950	9377.9
0	\$0	91.89	0	\$0	9385.4
0	\$0	91.89	0	\$0	9450.4
0	\$0	91.89	0	\$0	9515.4
-1	(\$39,030)	91.13	-0.715	(\$22,344)	9540.4
-2	(\$78,060)	90.37	-1	(\$31,950)	9542.9
-3	(\$117,090)	89.61	-2	(\$43,900)	9560.4
-4	(\$156,120)	88.86	-3	(\$55,850)	9567.9
-5	(\$195,150)	88.10	-4	(\$67,800)	9585.4
-6	(\$234,180)	87.34	-5	(\$79,750)	9572.9
-7	(\$273,210)	86.58	-6	(\$91,700)	9580.4
-8	(\$312,240)	85.82	-7	(\$103,650)	9587.9
-9	(\$351,270)	85.06	-8	(\$115,600)	9595.4
-9.389	(\$388,483)	84.78	-9	(\$127,550)	9602.9
-10	(\$426,300)	84.30	-10	(\$139,500)	9610.4

Equivalent Availability
 Weighting Factor:

4.17%

Heat Rate
 Weighting Factor:

8.91%

Issued by: FPC

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

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: October 1998 - December 1998
 Unit: Crystal River Unit 5

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (\$/TUKWH)
10	\$88,100	80.92	10	\$387,400	9151.1
9	\$88,490	80.79	9	\$348,860	9158.6
8	\$78,880	80.86	8	\$309,620	9166.1
7	\$87,270	80.53	7	\$271,180	9173.6
6	\$57,680	80.39	6	\$232,440	9181.1
5	\$48,080	80.26	5	\$193,700	9188.6
4	\$38,440	80.13	4	\$154,960	9196.1
3	\$28,830	80.00	3	\$116,220	9203.6
2	\$18,220	89.88	2	\$77,480	9211.1
1	\$8,610	89.73	1	\$38,740	9218.6
	\$0	89.60		\$0	9226.1
0	\$0	89.60	0	\$0	9231.1
	\$0	89.60	0.000	\$0	9261.3
-1	(\$12,730)	89.33		\$0	9275.1
-2	(\$26,460)	89.05	-1	(\$31,950)	9283.6
-3	(\$36,190)	88.78	-2	(\$63,900)	9291.1
-4	(\$50,920)	88.50	-3	(\$95,850)	9298.6
-5	(\$63,650)	88.23	-4	(\$127,800)	9306.1
-6	(\$76,380)	87.95	-5	(\$159,750)	9313.6
-7	(\$89,110)	87.68	-6	(\$191,700)	9321.1
-8	(\$101,840)	87.40	-7	(\$223,650)	9328.6
-9	(\$114,570)	87.13	-8	(\$255,600)	9336.1
-10	(\$127,300)	86.85	-9	(\$287,550)	9343.6

-10.000	(\$127,300)	77.79	-10	(\$387,400)	9451.1

Equivalent Availability
Weighting Factor:

2.68%

Heat Rate
Weighting Factor:

10.80%

Issued by: FPC

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

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: October 1998 - December 1998
 Unit: Anclote 1

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/kwh)
10	\$30,100	90.47	10	\$157,900	9904.1
9	\$27,080	90.30	9	\$142,110	9928.3
8	\$24,080	90.13	8	\$128,320	9946.6
7.115	\$21,418	89.97	7	\$110,530	9987.8
7	\$21,070	89.96	6	\$94,740	9989.1
6	\$18,080	89.79	5	\$78,950	10010.3
5	\$15,080	89.62	4	\$63,160	10031.5
4	\$12,040	89.45	3	\$47,370	10062.8
3	\$9,030	89.28	2	\$31,580	10074.0
2	\$6,020	89.11	1	\$16,790	10095.3
1	\$3,010	88.94	0	\$0	10116.5
	\$0	88.77	0	\$0	10191.5
0	\$0	88.77	0.000	\$0	10199.8
	\$0	88.77	0	\$0	10289.5
-1	(\$5,260)	88.42	-1	(\$16,790)	10287.7
-2	(\$10,520)	88.08	-2	(\$31,680)	10308.0
-3	(\$16,780)	87.73	-3	(\$47,370)	10330.2
-4	(\$21,040)	87.39	-4	(\$63,160)	10351.5
-5	(\$26,300)	87.04	-5	(\$78,950)	10372.7
-6	(\$31,560)	86.70	-6	(\$94,740)	10393.9
-7	(\$36,820)	86.35	-7	(\$110,530)	10415.2
-8	(\$42,080)	86.01	-8	(\$128,320)	10436.4
-9	(\$47,340)	85.66	-9	(\$142,110)	10457.7
-10	(\$52,600)	85.32	-10	(\$157,900)	10478.9

Equivalent Availability
Weighting Factor:

0.84%

Heat Rate
Weighting Factor:

4.40%

Issued by: FPC

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

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: October 1996 - December 1996
 Unit: Anclote 2

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10.000	\$6,200	45.84	10	\$85,500	9956.4
10	\$4,200	45.87	9	\$76,950	9980.8
9	\$7,380	45.78	8	\$68,400	10005.2
8	\$6,580	45.71	7	\$59,850	10031.6
7	\$5,740	45.63	6	\$51,300	10057.0
6	\$4,920	45.55	6	\$42,750	10082.4
5	\$4,100	45.47	4	\$34,200	10107.8
4	\$3,280	45.39	3	\$25,650	10133.2
3	\$2,460	45.31	2	\$17,100	10158.6
2	\$1,640	45.23	1	\$8,550	10184.0
1	\$820	45.16	0	\$0	10209.4
0	\$0	45.07	0	\$0	10234.8
0	\$0	45.07	0	\$0	10260.2
-1	(\$2,190)	44.91	-0.431	(\$3,636)	10270.0
-2	(\$4,380)	44.75	-1	(\$5,560)	10284.8
-3	(\$6,570)	44.58	-2	(\$7,100)	10410.2
-4	(\$8,760)	44.42	-3	(\$8,650)	10435.6
-5	(\$10,950)	44.26	-4	(\$10,200)	10461.0
-6	(\$13,140)	44.09	-5	(\$11,750)	10486.4
-7	(\$15,330)	43.93	-6	(\$13,300)	10511.8
-8	(\$17,520)	43.77	-7	(\$14,850)	10537.2
-8	(\$17,520)	43.77	-8	(\$16,400)	10562.6
-9	(\$19,710)	43.60	-9	(\$17,950)	10588.0
-10	(\$21,900)	43.44	-10	(\$19,500)	10613.4

Equivalent Availability
Weighting Factor:

0.23%

Heat Rate
Weighting Factor:

2.38%

Issued by: FPC

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

ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

CRYSTAL RIVER 1	Oct-88	Nov-88	Dec-88	Oct-Dec Period
1. EAF	100.00	87.81	75.31	87.71
2. PH	745	720	744	2209
3. SH	746.0	813.6	353.2	1712.0
4. RSH	0.0	106.2	224.7	330.8
5. UH	0.0	0.0	166.2	166.2
6. POH	0.0	0.0	0.0	0.0
7. FOH	0.0	0.0	72.9	72.9
8. MOH	0.0	0.0	93.4	93.4
9. PFOH	0.0	8.7	86.3	94.0
10. LR PF (MW)	0.0	371.9	78.3	103.7
11. PMOH	0.0	79.4	0.0	79.4
12. LR PM (MW)	0.0	372.0	0.0	372.0
13. NSO (MW)	372	372	372	372
14. OPER MBTU	2366574	1868719	847225	5002518
15. NET GEN (MWH)	244202	171322	86366	511882
16. ANOHR (BTU/KWH)	9772.9	8740.3	9830.3	9772.8
17. NOF (%)	88.12	75.03	73.35	80.4
18. NPC (MW)	372	372	372	372

ANOHR EQUATION: ANOHR= -15.984 x NOF + 11086

ISSUED BY: FLORIDA POWER CORPORATION

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ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

CRYSTAL RIVER 2	Oct-88	Nov-88	Dec-88	Oct-Dec Period
1. EAF	100.00	88.81	81.89	93.88
2. PH	748	720	744	2209
3. SH	745.0	720.0	695.2	2160.2
4. RSH	0.0	0.0	0.0	0.0
5. LH	0.0	0.0	48.8	48.8
6. POH	0.0	0.0	0.0	0.0
7. FOH	0.0	0.0	48.8	48.8
8. MOH	0.0	0.0	0.0	0.0
9. PPOH	0.0	81.3	7.5	88.8
10. LR PF (MW)	0.0	446.4	117.1	418.7
11. PMOH	0.0	3.0	52.8	55.8
12. LR FM (MW)	0.0	468.0	78.6	100.4
13. NSC (MW)	488	468	468	468
14. OPER MBTU	2445862	2409731	2132827	6988220
15. NET GEN (MWH)	250401	247683	217343	715427
16. ANCHR (BTU/KWH)	9767.8	9728.1	9912.3	9767.8
17. NOF (%)	71.82	73.61	66.80	70.8
18. NPC (MW)	468	468	468	468
ANCHR EQUATION:	ANCHR=	$-8.251 \times \text{NOF} +$	10529	

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DOCKET NO.:
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ACTUAL UNIT PERFORMANCE DATA

FLORIDA POWER CORPORATION

Oct-Dec
Period

CRYSTAL RIVER 3	Oct-88	Nov-88	Dec-88	
1. EAF	88.87	88.33	88.81	88.44
2. PH	746	720	744	2209
3. SH	745.0	720.0	744.0	2209.0
4. RSH	0.0	0.0	0.0	0.0
5. UH	0.0	0.0	0.0	0.0
6. POH	0.0	0.0	0.0	0.0
7. FOH	0.0	0.0	0.0	0.0
8. MOH	0.0	0.0	0.0	0.0
9. PFOH	0.0	28.3	0.0	28.3
10. LR PF (MW)	0.0	852.4	0.0	852.4
11. PMAOH	3.3	0.0	10.8	14.3
12. LR PM (MW)	48.8	0.0	47.5	47.8
13. NSC (MW)	743	743	743	743
14. OPER MBTU	5834752	5819615	5831844	17289211
15. NET GEN (MMWH)	371603	552170	673117	1696890
16. ANCHR (BTU/MWH)	40208.4	40177.3	40179.2	10188.8
17. NOF (95)	100.28	103.22	103.68	103.4
18. NFO (MW)	743	743	743	743
ANCHR EQUATION:	ANCHR	-28.08 * NOF +	13202.3	

ISSUED BY: FLORIDA POWER CORPORATION

FILED:

SUSPENDED:
EFFECTIVE:
DOCKET NO.:
ORDER NO.:

ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

CRYSTAL RIVER 4	Oct-88	Nov-88	Dec-88	Oct-Dec Period
1. EAF	58.96	58.38	58.87	54.78
2. PH	745	720	744	2208
3. SH	745.0	655.1	718.3	2120.4
4. RSH	0.0	0.0	0.0	0.0
5. LH	0.0	83.9	24.8	88.7
6. POH	0.0	0.0	0.0	0.0
7. FOH	0.0	83.8	24.8	88.7
8. MOH	0.0	0.0	0.0	0.0
9. PFOH	7.6	0.0	0.0	7.6
10. LR PF (MW)	111.2	0.0	0.0	111.2
11. PMOH	160.2	241.6	0.0	401.8
12. LR PM (MW)	47.7	680.0	0.0	427.8
13. NSC (MW)	697	697	697	697
14. OPER MBTU	4370626	3516691	3440492	11328110
15. NET GEN (MWH)	468789	358744	357998	1194493
16. ANOHR (BTU/KWH)	9363.2	9512.0	9511.2	9463.6
17. NOF (%)	89.89	80.85	71.41	80.6
18. NPC (MW)	697	697	697	697
ANCHR EQUATION:	ANCHR=	-7.219 x NOF +		9388.6

ISSUED BY: FLORIDA POWER CORPORATION

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EFFECTIVE:
DOCKET NO.:
ORDER NO.:

ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

CRYSTAL RIVER 6	Oct-88	Nov-88	Dec-88	Oct-Dec Period
1. EAF	89.27	82.80	89.84	84.21
2. PH	746	720	744	2209
3. SH	746.0	710.3	876.1	2131.6
4. RSH	0.0	0.0	0.0	0.0
5. UH	0.0	9.7	87.8	77.5
6. FOH	0.0	0.0	0.0	0.0
7. FOH	0.0	9.7	0.0	9.7
8. MOH	0.0	0.0	67.9	67.9
9. PFOH	16.3	69.9	0.0	100.3
10. LR PF (MW)	361.9	687.0	0.0	662.9
11. PMOH	0.0	166.2	113.2	281.4
12. LR PM (MW)	0.0	897.0	47.7	435.8
13. NSC (MW)	887	887	887	697
14. OPER MBTU	4308852	3807197	2994180	11110209
15. NET GEN (MWH)	462328	404772	313180	1180280
16. ANQHR (BTU/KWH)	8318.8	8405.8	9581.1	8413.4
17. NOF (%)	83.04	81.78	86.45	79.4
18. NPC (MW)	697	697	697	597
ANQHR EQUATION:	ANQHR=	-3.965 * NOF +	9667.3	

ISSUED BY: FLORIDA POWER CORPORATION

FILED:
SUSPENDED:
EFFECTIVE:
DOCKET NO.:
ORDER NO.:

ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

ANGLOTE 1	Oct-98	Nov-98	Dec-98	Oct-Dec Period
1. EAF	50.76	97.62	88.83	82.29
2. PH	745	720	744	2209
3. SH	385.5	720.0	744.0	1849.5
4. RSH	0.0	0.0	0.0	0.0
5. UH	358.5	0.0	0.0	358.5
6. POH	342.5	0.0	0.0	342.5
7. FOH	17.1	0.0	0.0	17.1
8. MOH	0.0	0.0	0.0	0.0
9. PFOH	745.0	24.7	14.0	185.4
10. LR PF (MW)	14.6	165.8	319.1	57.7
11. PMOH	10.2	24.1	0.0	34.3
12. LR PM (MW)	153.0	163.4	0.0	150.9
13. NSG (MW)	511	511	511	511
14. OPER MBTU	1018409	2309155	2780031	6107594
15. NET GEN (MWH)	100809	237979	288874	627462
16. ANOHR (BTU/KWH)	10103.3	9703.2	9680.3	9734.0
17. NOF (%)	51.18	64.68	75.93	68.4
18. NPC (MW)	511	511	511	511
ANOHR EQUATION:	ANOHR=	-17.598 x NOF +	10694.8	

ISSUED BY: FLORIDA POWER CORPORATION

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EFFECTIVE:
DOCKET NO.:
ORDER NO.:

ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

ANGCOTE 2	Oct-88	Nov-88	Dec-88	Oct-Dec Period
1. EAF	68.94	0.00	61.49	43.93
2. FH	745	720	744	2209
3. SH	529.6	0.0	459.8	987.4
4. RSH	0.0	0.0	0.0	0.0
5. UH	216.5	720.0	286.2	1221.8
6. FOH	216.5	720.0	286.2	1221.8
7. FOH	0.0	0.0	0.0	0.0
8. MOH	0.0	0.0	0.0	0.0
9. PFOH	0.0	0.0	2.4	2.4
10. LR PF (MW)	0.0	0.0	427.7	427.7
11. PMOH	44.8	0.0	0.0	44.8
12. LR PM (MW)	170.4	0.0	0.0	170.4
13. NSC (MW)	511	511	511	511
14. OPER MBTU	1628286	0	1793414	3412709
16. NET GEN (MWH)	164102	0	187621	351823
18. ANCHR (BTU/KWH)	9929.6	0.0	9610.6	8706.8
17. NOF (%)	50.78	0.00	78.88	89.7
18. NPC (MW)	511	511	511	511

ANCHR EQUATION: ANCHR* -17.968 x NOF + 10874.7

ISSUED BY: FLORIDA POWER CORPORATION

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EFFECTIVE:
DOCKET NO.:
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**PLANNED OUTAGE SCHEDULES
ACTUAL**

Company: Florida Power Corporation
Period of: October 1998 - December 1998

<u>Plant/Unit</u>	<u>Actual Outage Dates</u>	<u>Reason for Outage (1)</u>
1998		
Andale 1	10/07 (00:48) - 10/21 (07:15)	Inspection
Andale 2	10/23 (00:33) - 12/12 (21:11)	Gas Conversion/Boiler Controls

(1) To be accompanied by a critical path bar chart or milestone date chart of major activity to be performed during the outage.

Issued by: Florida Power Corporation

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

**FLORIDA POWER CORPORATION
ACTUAL FOR ANCLOTE #1 1998 INSPECTION**

(indicating dates ending midnight)

10/7	10/8	10/9	10/10	10/11	10/12	10/13	10/14	10/15	10/16	10/17	10/18	10/19	10/20	10/21
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Shutdown/Cooldown

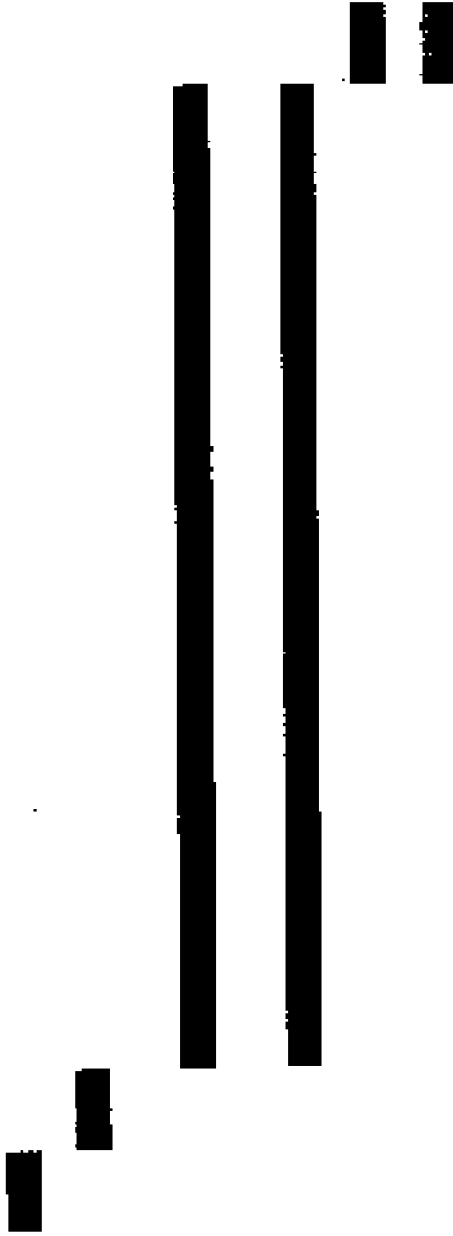
Wash Air Heater
& Upper Furnace

Turbine/Generator
Inspection

Boiler Inspection

Close Boiler

Startup



■ = (DENOTES CRITICAL PATH)

FLORIDA POWER CORPORATION ACTUAL FOR ANCLOTE #2 1998 GAS CONVERSION/BOILER CONTROLS

(indicating dates ending midnight)

10/23	10/24	10/25	10/27	10/29	10/30	10/31	11/2	11/4	11/8	11/30	12/1	12/3	12/5	12/7	12/8	12/10	12/11	12/12
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Shutdown/Cooldown



Gas Conversion



Boiler Controls



Boiler Inspection
and Repairs



Close Boiler



Startup



=(DENOTES CRITICAL PATH)