



Florida Power
CORPORATION

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JAMES A. MCGEE
SENIOR COUNSEL

November 16, 1995

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

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Re: Docket No. 950001-EI

Dear Ms. Bayo:

Enclosed for filing in the subject docket please find 15 copies of the Direct Testimony and Exhibits of David P. Develle and the Direct Testimony and Exhibits of Larry G. Turned filed on behalf of Florida Power Corporation.

Please acknowledge your receipt of the above filings on the enclosed copy of this letter and return to the undersigned. Thank you for your assistance in this matter.

Very truly yours,

James A. McGee

- ACK
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A Florida Progress Company

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CERTIFICATE OF SERVICE

Docket No. 950001-EI

I HEREBY CERTIFY that true and correct copies of the Direct Testimony and Exhibits of Larry G. Turner and the Direct Testimony and Exhibits of David P. Develle, filed on behalf of Florida Power Corporation, have been sent by regular U.S. mail to the following individuals this 16th day of November, 1995:

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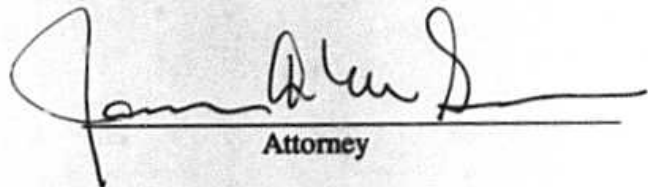
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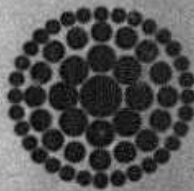
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**Florida
Power**
CORPORATION

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**BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION**

DOCKET No. 950001-EI

**GPIF REWARD/PENALTY AMOUNT FOR
APRIL THROUGH SEPTEMBER 1995**

**DIRECT TESTIMONY
AND EXHIBITS OF
LARRY G. TURNER**

For Filing November 17, 1995

DOCUMENT NUMBER-DATE

11481 NOV 17 85

FPSC-RECORDS/REPORTING

FLORIDA POWER CORPORATION

DOCKET NO. 950001-EI

**Re: GPIF Reward/Penalty Amount for
April through September 1995**

**DIRECT TESTIMONY OF
LARRY G. TURNER**

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

2 **A. My name is Larry G. Turner. My business address is P. O. Box 14042,**
3 **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 Senior Performance**
7 **Engineer in Energy Supply Services, Plant Performance.**

8

9 **Q. Have the duties and responsibilities of your position with the Company**
10 **remained the same since you last testified in this proceeding?**

11 **A. Yes, they have.**

12

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

14 **A. The purpose of my testimony is to describe the calculation of the**
15 **Company's Generation Performance Incentive Factor (GPIF) amount for**
16 **the period of April through September 1995. This was developed by**
17 **comparing the actual performance of the Company's seven GPIF**

1 generating units to the approved targets set for these units prior to the
2 period.

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

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

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

13 **A. I have calculated the Company's GPIF incentive amount to be a reward**
14 **of \$1,381,926. This amount was developed in a manner consistent**
15 **with the GPIF Implementation Manual. Sheet 1 of my exhibit shows the**
16 **calculation of system GPIF points and the corresponding reward. The**
17 **summary of weighted incentive points earned by each individual unit**
18 **can be found on Sheet 3.**

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

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

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

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

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

22 **A. Yes, Sheet 23 of my exhibit shows a comparison of target and actual**
23 **planned outage hours in bar-chart form. Sheets 24 through 26 present**

1
2
3
4
5

as-worked critical path charts for each unit which experienced a
planned outage during the period.

Q. Does this conclude your testimony?

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)	22-26

GENERATING PERFORMANCE INCENTIVE FACTOR

REWARD/PENALTY TABLE

ACTUAL

Company: Florida Power Corporation
 Period of: April, 1995 - September, 1995

Generating Performance Incentive Points (GPIF)	Fuel Saving/Loss (\$)	Generating Performance Incentive Factor (\$)
-----	-----	-----
10	\$9,836,930	\$3,359,080
9	\$8,853,237	\$3,023,172
8	\$7,869,544	\$2,687,264
7	\$6,885,851	\$2,351,356
6	\$5,902,158	\$2,015,448
5	\$4,918,465	\$1,679,540
**** 4.114	\$4,046,913	\$1,381,926
4	\$3,934,772	\$1,343,632
3	\$2,951,079	\$1,007,724
2	\$1,967,386	\$671,816
1	\$983,693	\$335,908
0	\$0	\$0
-1	\$1,380,920	(\$335,908)
-2	\$2,761,840	(\$671,816)
-3	\$4,142,760	(\$1,007,724)
-4	\$5,523,680	(\$1,343,632)
-5	\$6,904,600	(\$1,679,540)
-6	\$8,285,520	(\$2,015,448)
-7	\$9,666,440	(\$2,351,356)
-8	\$11,047,360	(\$2,687,264)
-9	\$12,428,280	(\$3,023,172)
-10	(\$13,809,200)	(\$3,359,080)

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GENERATION PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS

COMPANY: FLORIDA POWER CORPORATION
FOR THE PERIOD OF:
APRIL 1995 - SEPTEMBER 1995

1	BEGINNING OF PERIOD BALANCE OF COMMON EQUITY	\$1,676,495,353
2	END OF MONTH BALANCE OF COMMON EQUITY: MONTH OF APRIL 1995	\$1,682,463,369
3	MONTH OF MAY 1995	\$1,701,355,856
4	MONTH OF JUNE 1995	\$1,682,583,692
5	MONTH OF JULY 1995	\$1,722,919,249
6	MONTH OF AUGUST 1995	\$1,754,041,665
7	MONTH OF SEPTEMBER 1995	\$1,733,892,465
8	AVERAGE COMMON EQUITY FOR THE PERIOD (SUMMATION OF LINE 1 THROUGH LINE 7 DIVIDED BY 7)	\$1,707,678,807
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)	\$3,478,029
12	JURISDICTIONAL SALES	15,953,819 MWH
13	TOTAL SALES	16,518,060 MWH
14	JURISDICTIONAL SEPARATION FACTOR (LINE 12 DIVIDED BY LINE 13)	96.58%
15	MAXIMUM ALLOWED JURISDICTIONAL INCENTIVE DOLLARS (LINE 11 TIMES LINE 14)	\$3,359,080

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CALCULATION OF SYSTEM ACTUAL GPIF POINTS

Company: Florida Power Corporation
 Period of: April, 1995 - September, 1995

Plant/Unit -----	Performance Indicator EAF or ANOHR -----	Weighting Factor % -----	Unit Points -----	Weighted Unit Points -----
Crystal River 1	EAF	6.16	10.000	0.616
	ANOHR	2.55	8.973	0.229
Crystal River 2	EAF	12.99	10.000	1.299
	ANOHR	6.21	10.000	0.621
Crystal River 3	EAF	14.37	10.000	1.437
	ANOHR	15.77	0.000	0.000
Crystal River 4	EAF	8.34	1.546	0.129
	ANOHR	7.61	0.000	0.000
Crystal River 5	EAF	5.07	0.337	0.017
	ANOHR	8.24	0.000	0.000
Anclote 1	EAF	2.10	-10.000	-0.210
	ANOHR	6.06	2.15	0.131
Anclote 2	EAF	1.54	-10.000	-0.154
	ANOHR	2.98	0.000	0.000
GPIF System		100.00		4.114

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GPIF UNIT PERFORMANCE SUMMARY

Company: Florida Power Corporation
 Period of: April, 1995 - September, 1995

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. (%)				
CR 1	6.16	60.22	64.24	52.25	1931.7	(2,547.0)	61.31	\$1,931.7
CR 2	12.99	83.60	91.09	69.44	3154.7	(3,065.6)	92.01	\$3,154.7
CR 3	14.37	93.96	96.80	88.11	7877.3	(13,569.3)	98.97	\$7,877.3
CR 4	8.34	92.90	96.23	86.10	1248.9	(2,627.0)	95.87	\$193.1
CR 5	5.07	90.59	93.21	85.26	1176.1	(2,483.2)	90.93	\$39.6
AN 1	2.10	97.06	98.45	94.20	1089.3	(2,561.2)	92.60	(\$2,561.2)
AN 2	1.54	97.24	98.54	94.63	1006.8	(1,724.7)	89.11	(\$1,724.7)
GPIF System	46.94				17484.8	(28,578.0)		\$8,910.6

Plant/Unit	Weighting Factor (%)	ANOHR Target (Btu/kwh)	ANOHR RANGE		Max. Fuel Savings (\$000)	Max. Fuel Loss (\$000)	ANOHR Adjusted Actual Btu/kwh	Estimated Fuel Savings/ Loss	
			NOF	Min. Btu/kwh					Max. Btu/kwh
CR 1	2.55	10129.58	74.7	9958.0	10301.2	509.8	(509.8)	9962.1	\$457.4
CR 2	6.21	10052.62	79.9	9832.4	10272.9	494.1	(494.1)	9842.7	\$494.1
CR 3	15.77	10531.66	103.4	10330.6	10732.7	1021.8	(1,021.8)	10411.0	\$0.0
CR 4	7.61	9377.35	83.8	9227.4	9527.4	602.9	(602.9)	9407.9	\$0.0
CR 5	8.24	9273.76	94.7	9123.8	9423.8	672.2	(672.2)	9297.4	\$0.0
AN 1	6.06	9268.29	77.7	9016.4	9520.2	578.7	(578.7)	9189.54	\$124.6
AN 2	2.98	9565.36	69.7	9396.0	9734.7	530.7	(530.7)	9680.01	\$0.0
GPIF System	40.38					4410.2	(4,410.2)		\$1,076.2

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ACTUAL UNIT PERFORMANCE DATA

Company: Florida Power Corporation
 Period of: April, 1995 - September, 1995

PLANT/UNIT	ACTUAL EAF %	ADJUSTMENTS (1) TO EAF %	EAF ADJUSTED ACTUAL %
-----	-----	-----	-----
CRYSTAL RIVER 1	60.96	0.35	61.31
CRYSTAL RIVER 2	92.01	-0.00	92.01
CRYSTAL RIVER 3	98.97	-0.00	98.97
CRYSTAL RIVER 4	95.87	-0.00	95.87
CRYSTAL RIVER 5	91.89	-0.95	90.93
ANCLOTE UNIT 1	92.08	0.51	92.60
ANCLOTE UNIT 2	89.11	-0.00	89.11
PLANT/UNIT	ACTUAL ANOHR BTU/KWH	ADJUSTMENTS (2) TO ANOHR BTU/KWH	ANOHR ADJUSTED ACTUAL BTU/KWH
-----	-----	-----	-----
CRYSTAL RIVER 1	9884.2	77.9	9962.1
CRYSTAL RIVER 2	9846.1	-3.4	9842.7
CRYSTAL RIVER 3	10463.6	-52.5	10411.0
CRYSTAL RIVER 4	9388.6	19.3	9407.9
CRYSTAL RIVER 5	9352.6	-55.1	9297.4
ANCLOTE UNIT 1	10053.6	-864.0	9189.5
ANCLOTE UNIT 2	10077.7	-397.64	9680.0

(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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ADJUSTMENTS TO EAF ACTUAL

Company: Florida Power Corporation
 Period of: April, 1995 - September, 1995

EAF ADJUSTMENTS FOR PLANNED OUTAGE HOURS		CR1	CR2	CR3	CR4	CR5	AN1	AN2
		-----	-----	-----	-----	-----	-----	-----
7. ACTUAL POH	HRS.	1385.40	0.00	0.00	0.00	123.70	24.40	0.00
8. TARGET POH	HRS.	1368.00	0.00	0.00	0.00	168.00	0.00	0.00
9. ADJ. FACTOR (PH-POHT/PH-POHA)		1.01	1.00	1.00	1.00	0.99	1.01	1.00
10. ACTUAL EUOH *	HRS.	329.00	350.86	45.14	181.37	232.63	323.17	478.35
11. ADJ. EUOH (3*4)	HRS.	330.90	350.86	45.14	181.37	230.21	324.97	478.35
12. ACTUAL EAF *	%	60.96	92.01	98.97	95.87	91.89	92.08	89.11
13. ADJUSTED EAF (using 2 & 5)	%	61.31	92.01	98.97	95.87	90.93	92.60	89.11
14. DIFFERENCE	%	0.35	-0.00	-0.00	-0.00	-0.95	0.51	-0.00
15. TOTAL ADJ TO EAF (6 + 14)	%	0.35	-0.00	-0.00	-0.00	-0.95	0.51	-0.00

* 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: April, 1995 - September, 1995

	CR 1	CR 2	CR 3	CR 4	CR 5	AN 1	AN 2
	-----	-----	-----	-----	-----	-----	-----
ANOHR adj for Target NOF							
1. Target NOF %	74.7	79.9	103.4	83.8	94.7	77.7	69.7
2. Target ANOHR Btu/kwh	10123.8	10070.6	10481.3	9379.2	9278.6	9302.6	9624.5
3. Actual NOF %	81.8	79.6	99.9	86.3	87.1	48.9	51.0
4. Calc. ANOHR Btu/kwh (using 3)	10045.9	10074.0	10533.8	9359.9	9333.8	10166.7	10022.2
5. Total adj. Btu/kwh to ANOHR (2-4)	77.9	-3.4	-52.5	19.3	-55.1	-864.0	-397.6

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: April, 1995 - September, 1995
 Unit: Crystal River 1

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
**** 10.000	\$1,931,700	66.75	10	\$509,800	9958.0
10	\$1,931,700	64.24	9	\$458,820	9967.6
9	\$1,738,530	63.84	8.973	\$457,430	9967.9
8	\$1,545,360	63.43	8	\$407,840	9977.3
7	\$1,352,190	63.03	7	\$356,860	9986.9
6	\$1,159,020	62.63	6	\$305,880	9996.6
5	\$965,850	62.23	5	\$254,900	10006.3
4	\$772,680	61.83	4	\$203,920	10015.9
3	\$579,510	61.43	3	\$152,940	10025.6
2	\$386,340	61.03	2	\$101,960	10035.3
1	\$193,170	60.62	1	\$50,980	10044.9
	\$0	60.22	0	\$0	10054.6
0	\$0	60.22	0	\$0	10129.6
	\$0	60.22	0	\$0	10204.6
-1	(\$254,700)	59.43	-1	(\$50,980)	10214.2
-2	(\$509,400)	58.63	-2	(\$101,960)	10223.9
-3	(\$764,100)	57.83	-3	(\$152,940)	10233.6
-4	(\$1,018,800)	57.03	-4	(\$203,920)	10243.2
-5	(\$1,273,500)	56.24	-5	(\$254,900)	10252.9
-6	(\$1,528,200)	55.44	-6	(\$305,880)	10262.5
-7	(\$1,782,900)	54.64	-7	(\$356,860)	10272.2
-8	(\$2,037,600)	53.84	-8	(\$407,840)	10281.9
-9	(\$2,292,300)	53.05	-9	(\$458,820)	10291.5
-10	(\$2,547,000)	52.25	-10	(\$509,800)	10301.2

Equivalent Availability
Weighting Factor:

6.16%

Heat Rate
Weighting Factor:

2.55%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: April, 1995 - September, 1995
 Unit: Crystal River 2

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)	
**** 10.000	\$3,154,700	91.76	10.000	\$494,100	9824.7	****
10	\$3,154,700	91.09	10	\$494,100	9832.4	
9	\$2,839,230	90.34	9	\$444,690	9846.9	
8	\$2,523,760	89.59	8	\$395,280	9861.4	
7	\$2,208,290	88.84	7	\$345,870	9876.0	
6	\$1,892,820	88.09	6	\$296,460	9890.5	
5	\$1,577,350	87.34	5	\$247,050	9905.0	
4	\$1,261,880	86.59	4	\$197,640	9919.5	
3	\$946,410	85.85	3	\$148,230	9934.0	
2	\$630,940	85.10	2	\$98,820	9948.6	
1	\$315,470	84.35	1	\$49,410	9963.1	
	\$0	83.60	0	\$0	9977.6	
0	\$0	83.60	0	\$0	10052.6	
	\$0	83.60	0	\$0	10127.6	
-1	\$306,560	82.18	-1	(\$49,410)	10142.1	
-2	\$613,120	80.77	-2	(\$98,820)	10156.7	
-3	\$919,680	79.35	-3	(\$148,230)	10171.2	
-4	\$1,226,240	77.94	-4	(\$197,640)	10185.7	
-5	\$1,532,800	76.52	-5	(\$247,050)	10200.2	
-6	\$1,839,360	75.11	-6	(\$296,460)	10214.8	
-7	\$2,145,920	73.69	-7	(\$345,870)	10229.3	
-8	\$2,452,480	72.27	-8	(\$395,280)	10243.8	
-9	\$2,759,040	70.86	-9	(\$444,690)	10258.3	
-10	(\$3,065,600)	69.44	-10	(\$494,100)	10272.9	

Equivalent Availability
Weighting Factor:

12.99%

Heat Rate
Weighting Factor:

6.21%

Issued by: FPC

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

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: April, 1995 - September, 1995
 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	\$7,877,300	99.76	10	\$1,021,800	10330.6
	10	\$7,877,300	96.80	9	\$919,620	10343.2
	9	\$7,087,570	96.52	8	\$817,440	10355.8
	8	\$6,301,840	96.24	7	\$715,260	10368.4
	7	\$5,514,110	95.95	6	\$613,080	10381.0
	6	\$4,726,380	95.67	5	\$510,900	10393.6
	5	\$3,938,650	95.38	4	\$408,720	10406.2
	4	\$3,150,920	95.10	3	\$306,540	10418.8
	3	\$2,363,190	94.81	2	\$204,360	10431.4
	2	\$1,575,460	94.53	1	\$102,180	10444.1
	1	\$787,730	94.24	0	\$0	10456.7
		\$0	93.96	0.000	\$0	10461.4
	0	\$0	93.96	0	\$0	10531.7
		\$0	93.96	0	\$0	10606.7
	-1	(\$1,356,930)	93.38	-1	(\$102,180)	10619.3
	-2	(\$2,713,860)	92.79	-2	(\$204,360)	10631.9
	-3	(\$4,070,790)	92.21	-3	(\$306,540)	10644.5
	-4	(\$5,427,720)	91.62	-4	(\$408,720)	10657.1
	-5	(\$6,784,650)	91.04	-5	(\$510,900)	10669.7
	-6	(\$8,141,580)	90.45	-6	(\$613,080)	10682.3
	-7	(\$9,498,510)	89.87	-7	(\$715,260)	10694.9
	-8	(\$10,855,440)	89.28	-8	(\$817,440)	10707.5
	-9	(\$12,212,370)	88.70	-9	(\$919,620)	10720.1
	-10	(\$13,569,300)	88.11	-10	(\$1,021,800)	10732.7

Equivalent Availability
 Weighting Factor:

 14.37%

Heat Rate
 Weighting Factor:

 15.77%

Issued by: FPC

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

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: April, 1995 - September, 1995
 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	\$1,248,900	96.23	10	\$602,900	9227.4
9	\$1,124,010	95.90	9	\$542,610	9234.9
8	\$999,120	95.57	8	\$482,320	9242.4
7	\$874,230	95.23	7	\$422,030	9249.9
6	\$749,340	94.90	6	\$361,740	9257.4
5	\$624,450	94.56	5	\$301,450	9264.9
4	\$499,560	94.23	4	\$241,160	9272.4
3	\$374,670	93.90	3	\$180,870	9279.9
2	\$249,780	93.56	2	\$120,580	9287.4
**** 1.546	\$406,254	93.41	1	\$60,290	9294.9
1	\$124,890	93.23	0	\$0	9302.4
	\$0	92.90	0	\$0	9377.4
0	\$0	92.90	0.000	\$0	9406.0
	\$0	92.90	0	\$0	9452.4
-1	(\$262,700)	92.22	-1	(\$60,290)	9459.9
-2	(\$525,400)	91.54	-2	(\$120,580)	9467.4
-3	(\$788,100)	90.86	-3	(\$180,870)	9474.9
-4	(\$1,050,800)	90.18	-4	(\$241,160)	9482.4
-5	(\$1,313,500)	89.50	-5	(\$301,450)	9489.9
-6	(\$1,576,200)	88.82	-6	(\$361,740)	9497.4
-7	(\$1,838,900)	88.14	-7	(\$422,030)	9504.9
-8	(\$2,101,600)	87.46	-8	(\$482,320)	9512.4
-9	(\$2,364,300)	86.78	-9	(\$542,610)	9519.9
-10	(\$2,627,000)	86.10	-10	(\$602,900)	9527.4

Equivalent Availability
 Weighting Factor:

 8.34%

Heat Rate
 Weighting Factor:

 7.61%

Issued by: FPC

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

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: April, 1995 - September, 1995
 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	\$1,176,100	93.21	10	\$672,200	9123.8
9	\$1,058,490	92.95	9	\$604,980	9131.3
8	\$940,080	92.68	8	\$537,760	9138.8
7	\$823,270	92.42	7	\$470,540	9146.3
6	\$705,660	92.16	6	\$403,320	9153.8
5	\$588,050	91.90	5	\$336,100	9161.3
4	\$470,440	91.63	4	\$268,880	9168.8
3	\$352,830	91.37	3	\$201,660	9176.3
2	\$235,220	91.11	2	\$134,440	9183.8
1	\$117,610	90.85	1	\$67,220	9191.3
**** 0.337	\$39,644	90.67	0	\$0	9198.8
	\$0	90.59	0	\$0	9273.8
0	\$0	90.59	0.000	\$0	9292.6
	\$0	90.59	0	\$0	9348.8
-1	(\$248,320)	90.05	-1	(\$67,220)	9356.3
-2	(\$496,640)	89.52	-2	(\$134,440)	9363.8
-3	(\$744,960)	88.99	-3	(\$201,660)	9371.3
-4	(\$993,280)	88.46	-4	(\$268,880)	9378.8
-5	(\$1,241,600)	87.92	-5	(\$336,100)	9386.3
-6	(\$1,489,920)	87.39	-6	(\$403,320)	9393.8
-7	(\$1,738,240)	86.86	-7	(\$470,540)	9401.3
-8	(\$1,986,560)	86.33	-8	(\$537,760)	9408.8
-9	(\$2,234,880)	85.79	-9	(\$604,980)	9416.3
-10	(\$2,483,200)	85.26	-10	(\$672,200)	9423.8

Equivalent Availability
Weighting Factor:

5.07%

Heat Rate
Weighting Factor:

8.24%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: April, 1995 - September, 1995
 Unit: Anclote 1

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$1,089,300	98.45	10	\$578,700	9016.4
9	(\$980,370)	98.31	9	\$520,830	9034.1
8	(\$871,400)	98.17	8	\$462,960	9051.8
7	(\$762,510)	98.03	7	\$405,090	9069.5
6	(\$653,580)	97.89	6	\$347,220	9087.2
5	(\$544,650)	97.76	5	\$289,350	9104.9
4	(\$435,720)	97.62	4	\$231,480	9122.5
3	(\$326,790)	97.48	3	\$173,610	9140.2
2	(\$217,860)	97.34	2.154	\$124,631	9155.2
1	(\$108,930)	97.20	2	\$115,740	9157.9
0	\$0	97.06	1	\$57,870	9175.6
0	\$0	97.06	0	\$0	9193.3
0	\$0	97.06	0	\$0	9268.3
-1	(\$256,120)	96.78	0	\$0	9343.3
-2	(\$512,240)	96.49	-1	(\$49,410)	9361.0
-3	(\$768,360)	96.20	-2	(\$98,820)	9378.7
-4	(\$1,024,480)	95.92	-3	(\$148,230)	9396.3
-5	(\$1,280,600)	95.63	-4	(\$197,640)	9414.0
-6	(\$1,536,720)	95.34	-5	(\$247,050)	9431.7
-7	(\$1,792,840)	95.06	-6	(\$296,460)	9449.4
-8	(\$2,048,960)	94.77	-7	(\$345,870)	9467.1
-9	(\$2,305,080)	94.48	-8	(\$395,280)	9484.8
-10	(\$2,561,200)	94.20	-9	(\$444,690)	9502.5
****	-10.000 (\$1,089,300)	93.22	-10	(\$494,100)	9520.2

Equivalent Availability
 Weighting Factor:

 2.10%

Heat Rate
 Weighting Factor:

 6.06%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Company: Florida Power Corporation
 Period of: April, 1995 - September, 1995
 Unit: Anclote 2

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)	
10	\$1,006,800	98.54	10	\$530,700	9396.0	
9	\$906,120	98.41	9	\$477,630	9405.5	
8	\$805,440	98.28	8	\$424,560	9414.9	
7	\$704,760	98.15	7	\$371,490	9424.3	
6	\$604,080	98.02	6	\$318,420	9433.8	
5	\$503,400	97.89	5	\$265,350	9443.2	
4	\$402,720	97.76	4	\$212,280	9452.6	
3	\$302,040	97.63	3	\$159,210	9462.1	
2	\$201,360	97.50	2	\$106,140	9471.5	
1	\$100,680	97.37	1	\$53,070	9480.9	
0	\$0	97.24	0	\$0	9490.4	
	0.00	97.24	0	\$0	9565.4	
	\$0	97.24	0.000	\$0	9620.8	
-1	(\$172,470)	96.98	0	\$0	9640.4	
-2	(\$344,940)	96.72	-1	(\$53,070)	9649.8	
-3	(\$517,410)	96.46	-2	(\$106,140)	9659.2	
-4	(\$689,880)	96.20	-3	(\$159,210)	9668.7	
-5	(\$862,350)	95.94	-4	(\$212,280)	9678.1	
-6	(\$1,034,820)	95.68	-5	(\$265,350)	9687.5	
-7	(\$1,207,290)	95.41	-6	(\$318,420)	9696.9	
-8	(\$1,379,760)	95.15	-7	(\$371,490)	9706.4	
-9	(\$1,552,230)	94.89	-8	(\$424,560)	9715.8	
-10	(\$1,724,700)	94.63	-9	(\$477,630)	9725.2	
****	-10.000	(\$1,006,800)	89.33	-10	(\$530,700)	9734.7

Equivalent Availability
 Weighting Factor:

 1.54%

Heat Rate
 Weighting Factor:

 2.98%

Issued by: FPC

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ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

CRYSTAL RIVER 1	Apr-95	May-95	Jun-95	Jul-95	Aug-95	Sep-95	Apr-Sep Period
1. EAF	0.00	6.73	89.14	82.68	91.61	95.56	60.96
2. PH	719	744	720	744	744	720	4391
3. SH	0.0	50.1	683.7	633.5	725.6	719.4	2812.3
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	719.0	693.9	36.3	110.5	18.4	0.6	1578.7
6. POH	719.0	666.4	0.0	0.0	0.0	0.0	1385.4
7. FOH	0.0	0.0	0.0	110.5	18.4	0.6	129.5
8. MOH	0.0	27.5	36.3	0.0	0.0	0.0	63.8
9. PFOH	0.0	0.0	139.2	41.2	117.2	93.8	391.4
10. LR PF (MW)	0.0	0.0	112.0	165.7	139.8	124.5	129.0
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)	372	372	372	372	372	372	372
14. OPER MBTU	0	15131	1934330	2059303	2229491	2221247	8459502
15. NET GEN (MWH)	0	1393	193761	209346	226945	224417	855861
16. ANOHR (BTU/KWH)	0.0	10863.7	9983.1	9836.8	9823.9	9897.9	9884.2
17. NOF (%)	0.0	7.5	76.2	88.8	84.1	83.9	81.8
18. NPC (MW)	372	372	372	372	372	372	372

ANOHR EQUATION: ANOHR = -10.959 * NOF + 10942.4

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ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

CRYSTAL RIVER 2	Apr-95	May-95	Jun-95	Jul-95	Aug-95	Sep-95	Apr-Sep Period
1. EAF	95.28	95.16	79.35	97.84	93.04	91.06	92.01
2. PH	719	744	720	744	744	720	4391
3. SH	565.6	728.2	609.3	744.0	744.0	655.6	4046.7
4. RSH	128.8	0.0	0.0	0.0	0.0	0.0	128.8
5. UH	24.6 24.6	15.8	110.7	0.0	0.0	64.4	215.5
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	24.6	15.8	66.4	0.0	0.0	64.4	171.2
8. MOH	0.0	0.0	44.3	0.0	0.0	0.0	44.3
9. PFOH	25.5	57.8	287.7	32.5	117.9	0.0	521.4
10. LR PF (MW)	170.7	163.8	61.8	231.4	205.5	0.0	121.5
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)	468	468	468	468	468	468	468
14. OPER MBTU	1894560	2748041	2043933	2932769	2820278	2399767	14839348
15. NET GEN (MWH)	194077	261012	207186	294807	285516	244535	1507133
16. ANOHR (BTU/KWH)	9761.9	9779.1	9865.2	9948.1	9877.8	9813.6	9846.1
17. NOF (%)	73.3	82.5	72.7	84.7	82.0	79.7	79.6
18. NPC (MW)	468	468	468	468	468	468	468

ANOHR EQUATION: ANOHR = -11.212 * NOF + 10966.3

ISSUED BY: FLORIDA POWER CORPORATION

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ACTUAL UNIT PERFORMANCE DATA

FLORIDA POWER CORPORATION

CRYSTAL RIVER 3	Apr-95	May-95	Jun-95	Jul-95	Aug-95	Sep-95	Apr-Sep Period
1. EAF	100.00	100.00	99.18	99.11	97.37	98.19	98.97
2. PH	719	744	720	744	744	720	4391
3. SH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PFOH	0.0	0.0	25.0	54.2	110.6	729.1	918.9
10. LR PF (MW)	0.0	0.0	174.7	91.2	131.2	13.3	36.5
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)	742.6	742.6	742.6	742.6	742.6	742.6	742.6
14. OPER MBTU	5648313	5844689	5612752	5751539	5750347	5478420	34086061
15. NET GEN (MWH)	546383	560787	538170	547138	542058	523055	3257591
16. ANOHR (BTU/KWH)	10337.6	10422.3	10429.3	10512.0	10608.4	10473.9	10463.6
17. NOF (%)	102.3	101.5	100.7	99.0	98.1	97.8	99.9
18. NPC (MW)	742.6	742.6	742.6	742.6	742.6	742.6	742.6

ANOHR EQUATION: ANOHR = -14.940 * NOF + 12026.4

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ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

CRYSTAL RIVER 4	Apr-95	May-95	Jun-95	Jul-95	Aug-95	Sep-95	Apr-Sep Period
1. EAF	89.44	97.24	96.60	94.15	97.94	99.78	95.87
2. PH	719	744	720	744	744	720	4391
3. SH	652.3	734.7	720.0	715.1	744.0	720.0	4286.1
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	66.7	9.3	0.0	28.9	0.0	0.0	104.9
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	66.7	9.3	0.0	28.9	0.0	0.0	104.9
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PFOH	43.1	113.7	149.2	34.1	136.2	9.2	485.5
10. LR PF (MW)	148.9	68.9	114.2	299.2	78.4	122.5	109.8
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)	697	697	697	697	697	697	697
14. OPER MBTU	3384263	4137437	3810607	4073902	4541702	4262576	24210487
15. NET GEN (MWH)	361133	444346	403630	434355	483469	451772	2578705
16. ANOHR (BTU/KWH)	9371.2	9311.3	9440.8	9379.2	9394.0	9435.2	9388.6
17. NOF (%)	79.4	86.8	80.4	87.1	93.2	90.0	86.3
18. NPC (MW)	697	697	697	697	697	697	697

ANOHR EQUATION: ANOHR = -7.775 * NOF + 10031.1

ISSUED BY: FLORIDA POWER CORPORATION

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ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

CRYSTAL RIVER 5	Apr-95	May-95	Jun-95	Jul-95	Aug-95	Sep-95	Apr-Sep Period
1. EAF	65.59	99.13	97.73	99.26	89.32	99.83	91.89
2. PH	719	744	720	744	744	720	4301
3. SH	595.3	739.3	709.3	744.0	676.4	720.0	4184.3
4. RSH	0.0 0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	123.7	4.7	10.7	0.0	67.6	0.0	206.7
6. POH	123.7	0.0	0.0	0.0	0.0	0.0	123.7
7. FOH	0.0	4.7	10.7	0.0	67.6	0.0	83.0
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PFOH	123.7	7.4	22.8	22.8	26.3	2.9	205.9
10. LR PF (MW)	697.0	165.4	171.9	167.5	313.4	298.6	506.5
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)	697	697	697	697	697	697	697
14. OPER MBTU	3088387	4175636	3819021	4365904	3980760	4324679	23754387
15. NET GEN (MWH)	330516	449964	407201	466144	426083	459966	2539874
16. ANOHR (BTU/KWH)	9344.2	9279.9	9378.7	9366.0	9342.7	9402.2	9352.6
17. NOF (%)	79.7	87.3	82.4	89.9	90.4	91.7	87.1
18. NPC (MW)	697	697	697	697	697	697	697

ANOHR EQUATION: ANOHR = -7.264 * NOF + 9966.4

ISSUED BY: FLORIDA POWER CORPORATION

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ACTUAL UNIT PERFORMANCE DATA

FLORIDA POWER CORPORATION

ANCLOTE 1	Apr-95	May-95	Jun-95	Jul-95	Aug-95	Sep-95	Apr-Sep Period
1. EAF	93.61	89.14	83.91	96.64	95.40	93.65	92.08
2. PH	719	744	720	744	744	720	4391
3. SH	323.7	706.9	632.1	744.0	744.0	695.6	3846.3
4. RSH	357.4	0.0	2.0	0.0	0.0	0.0	359.4
5. UH	37.9	37.1	85.9	0.0	0.0	24.4	185.3
6. POH	0.0	0.0	0.0	0.0	0.0	24.4	24.4
7. FOH	0.0	37.1	40.8	0.0	0.0	0.0	77.9
8. MOH	37.9	0.0	45.1	0.0	0.0	0.0	83.0
9. PFOH	77.5	105.8	80.8	76.0	111.0	65.6	516.7
10. LR PF (MW)	52.9	211.0	189.6	168.0	157.7	166.2	160.5
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)	511	511	511	511	511	511	511
14. OPER MBTU	606273	1611621	1414023	1923428	2273378	1827940	9656663
15. NET GEN (MWH)	61629	160615	142505	192043	225292	178437	960521
16. ANOHR (BTU/KWH)	9837.5	10034.1	9922.6	10015.6	10090.8	10244.2	10053.6
17. NOF (%)	37.3	44.5	44.1	50.5	59.3	50.2	48.9
18. NPC (MW)	511	511	511	511	511	511	511

ANOHR EQUATION: ANOHR = -29.937 * NOF + 11629.7

ISSUED BY: FLORIDA POWER CORPORATION

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

ACTUAL UNIT PERFORMANCE DATA
FLORIDA POWER CORPORATION

ANCLOTE 2	Apr-95	May-95	Jun-95	Jul-95	Aug-95	Sep-95	Apr-Sep Period
1. EAF	77.05	95.90	88.25	90.72	86.71	95.80	89.11
2. PH	719	744	720	744	744	720	4391
3. SH	193.0	723.3	691.6	743.0	744.0	720.0	3814.9
4. RSH	361.0	5.4	0.0	0.0	0.0	0.0	366.4
	165.0						
5. UH	165.0	15.3	28.4	1.0	0.0	0.0	209.7
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	0.0	15.3	28.4	1.0	0.0	0.0	44.7
8. MOH	165.0	0.0	0.0	0.0	0.0	0.0	165.0
9. PFOH	0.0	44.4	116.1	314.4	262.6	104.6	842.1
10. LR PF (MW)	0.0	175.4	247.5	110.6	192.4	147.8	163.0
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)	511	511	511	511	511	511	511
14. OPER MBTU	675608	1735768	1554502	1966448	2229972	1859484	10021782
15. NET GEN (MWH)	66406	171857	152548	196954	224397	182294	994456
16. ANOHR (BTU/KWH)	10173.9	10100.1	10190.2	9984.3	9937.6	10200.5	10077.7
17. NOF (%)	67.3	46.5	43.2	51.9	59.0	49.5	51.0
18. NPC (MW)	511	511	511	511	511	511	511

ANOHR EQUATION: ANOHR = -21.312 * NOF + 11109.4

ISSUED BY: FLORIDA POWER CORPORATION

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

PLANNED OUTAGE SCHEDULES

Company: **Florida Power Corporation**
 Period of: **April 1995 - September 1995**

<u>Plant/Unit</u>	<u>Planned Outage Dates</u>	<u>Reason for Outage⁽¹⁾</u>
1995		
Crystal River 1	03/18(0001) - 05/17(2400)	Turbine/Gen./Boiler
Crystal River 5	02/18(0001) - 04/07(2400)	Boiler
Anclote 1	09/30(0001) - 10/13(2400)	Boiler

⁽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: FPC

FILED:
 SUSPENDED:
 EFFECTIVE:
 DOCKET NO.:

FLORIDA POWER CORPORATION

SUBMITTED SCHEDULED OUTAGE PLAN VS ACTUAL SCHEDULED OUTAGES WORKED DURING
 FUEL ADJUSTMENT PLAN PERIOD APRIL, 1995 THRU SEPTEMBER, 1995

UNIT	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL SCHEDULED OUTAGE HRS. WITHIN PLAN PERIOD	
								SUBMITTED	ACTUAL
CRYSTAL RIVER 1									
SUBMITTED								1,368.0	
ACTUAL									1,385.4
CRYSTAL RIVER 2									
SUBMITTED								0.0	
ACTUAL									0.0
CRYSTAL RIVER 3									
SUBMITTED								0.0	
ACTUAL									0.0
CRYSTAL RIVER 4									
SUBMITTED								0.0	
ACTUAL									0.0
CRYSTAL RIVER 5									
SUBMITTED								168.0	
ACTUAL									123.7
ANCLOTE 1									
SUBMITTED								0.0	
ACTUAL									24.4
ANCLOTE 2									
SUBMITTED								0.0	
ACTUAL									0.0
FUEL ADJUSTMENT PLAN PERIOD								1,536.0	1,533.5

TOTAL HOURS

23

FLORIDA POWER CORPORATION
PLAN FOR CRYSTAL RIVER #1 1995 TURBINE/GENERATOR/BOILER INSPECTION
AS-BUILT
(indicating dates ending midnight)

03/19 03/21 03/23 03/26 03/29 04/03 04/05 04/07 04/09 04/11 04/14 04/17 04/23 05/01 05/08 05/23 05/25 05/27



submitted plan period

Shutdown/Cooldown



Wash Air Heater
& Upper Furnace



Turbine/Generator
Inspection & Repairs



Boiler Tube Inspection



Boiler Inspection
and Repairs



Close Boiler



Startup



Coal Mill Inspection
& Repair



Clean Circulating
Pits & Pipes



 - (DENOTES CRITICAL PATH)

FLORIDA POWER CORPORATION
PLAN FOR CRYSTAL RIVER #5 1995 BOILER INSPECTION
AS-BUILT
(indicating dates ending midnight)

02/18 02/19 02/20 02/21 03/25 03/01 03/05 03/09 03/13 03/17 03/21 03/25 03/31 04/03 04/04 04/05 04/06 04/07

submitted plan period

Shutdown/Cooldown



Wash Air Heater
& Upper Furnace



Boiler Inspection
and Repairs



Close Boiler



Startup



Cooling Tower Inspection



Coal Mill Inspection
& Repair



Clean Circulating
Pits & Pipes



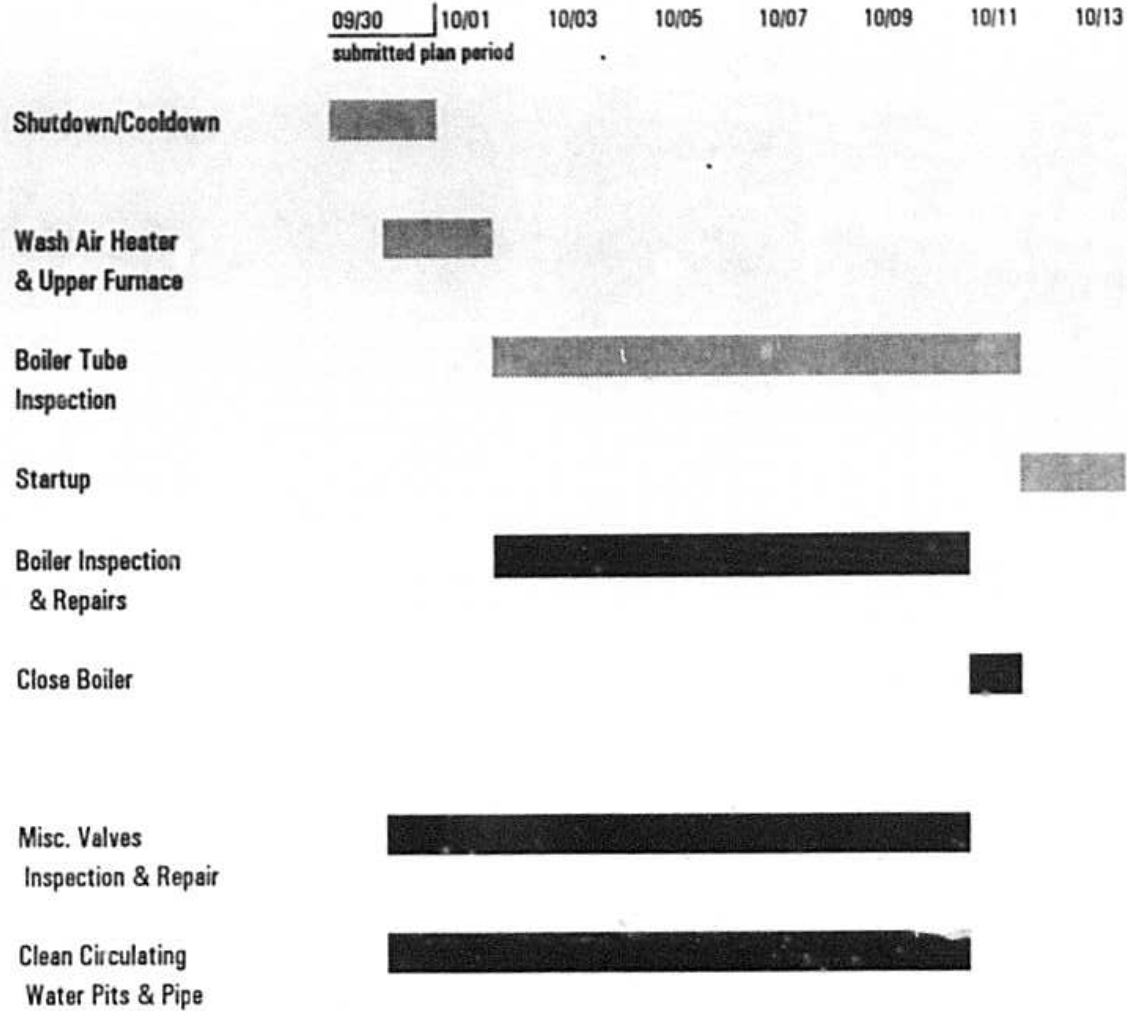
 - (DENOTES CRITICAL PATH)

FLORIDA POWER CORPORATION

PLAN FOR ANCLOTE #1 1995 BOILER INSPECTION

AS-BUILT

(indicating dates ending midnight)



█ - (DENOTES CRITICAL PATH)

CPI95AN1.XLS