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the southern electric system

May 19, 1994

Ms. Blanca S. Bayo, Director
Division of Records and Reporting
Florida Public Service Commission
101 East Gaines Street
Tallahassee, FL 32399-0870

Dear Ms. Bayo:

RE: Docket No. **940001-EI**

Enclosed for official filing in Docket No. 940001-EI are an original and fifteen (15) copies of the following:

1. Prepared direct testimony and exhibit of S. D. Cranmer. 04942-94
2. Schedules A1 through A12 previously filed for the months of October 1993 - March 1994. 04943-94
3. Prepared direct testimony and exhibit of M. L. Gilchrist. 04944-94
4. Prepared direct testimony and exhibit of G. D. Fontaine. 04945-94
5. Prepared direct testimony of M. W. Howell. 04946-94

ACK

AFA

APP

CAF

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ROH

SEL

WAS

OTH

Sincerely,

Jack L. Haskins

lw

Enclosures

3 long tabs

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[Signature]
EPSC-BUREAU OF RECORDS

"Our business is customer satisfaction"

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: Fuel and Purchased Power Cost)
Recovery Clause with Generating) Docket No. 940001-EI
Performance Incentive Factor)
_____)

Certificate of Service

I HEREBY CERTIFY that a true copy of the foregoing was furnished by hand delivery or the U. S. Mail the 19th day of May, 1994 on the following:

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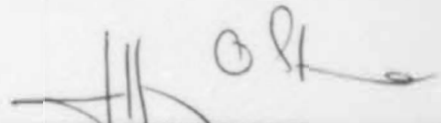
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GULF POWER COMPANY
TESTIMONY AND EXHIBITS OF
G. D. FONTAINE

GENERATING PERFORMANCE INCENTIVE FACTOR

RESULTS FOR

OCTOBER 1993 - MARCH 1994

Before

THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 940001-EI

DOCUMENT NUMBER-DATE

04945 MAY 20 1994

FPSC-RECORDS/REPORTING

1 GULF POWER COMPANY
2 Before the Florida Public Service Commission
3 Direct Testimony of
4 G. D. Fontaine
5 Docket No. 940001-EI
6 Date of Filing May 20, 1994

6 Q. Please state your name, address and occupation.

7 A. My name is George D. Fontaine, my business address is
8 Post Office Box 1151, Pensacola, Florida 32520, and my
9 position is Performance Test Specialist for Gulf Power
10 Company.

11

12 Q. Please describe your educational and business
13 background.

14 A. I received my Bachelor of Mechanical Engineering Degree
15 from Auburn University in 1980. Following graduation,
16 I joined Gulf Power Company as an Associate Engineer at
17 the Scholz Electric Generating Plant, and as I
18 previously stated, my current position is Performance
19 Test Specialist. I am also a registered Professional
20 Engineer in the State of Florida.

21

22 Q. Mr. Fontaine, have you previously testified in this
23 Docket?

24 A. Yes, sir.

25

1 Q. Mr. Fontaine, what is the purpose of your testimony in
2 this proceeding?

3 A. The purpose of my testimony is to present GPIF results
4 for Gulf Power Company for the period of October 1,
5 1993, through March 31, 1994.

6
7 Q. Mr. Fontaine, have you prepared an exhibit that
8 contains information to which you will refer in your
9 testimony?

10 A. Yes, Sir, I have prepared an exhibit consisting of five
11 schedules.

12
13 Q. Mr. Fontaine, was this exhibit prepared by you or under
14 your direction and supervision?

15 A. Yes, it was.

16

17 Counsel: We ask that Mr. Fontaine's exhibit be
18 marked for identification as exhibit _____(GDF-1).

19

20 Q. Mr. Fontaine, before reviewing the GPIF Results for
21 Gulf's units, is there any information which has been
22 supplied to the Commission pertaining to this GPIF
23 period which requires amendment?

24 A. Yes, some corrections need to be made to the actual
25 unit performance data which was submitted monthly to

1 the Commission during this period. These corrections
2 are based on discoveries made during our final review
3 to determine the accuracy of this information prior to
4 this proceeding. The Actual Unit Performance Data
5 tables on pages 14 to 19 of Schedule 5 incorporate
6 these changes. The data contained on these tables is
7 the data upon which the GPIF calculation was made.
8

9 Q. Mr. Fontaine, would you now review the Company's
10 equivalent availability results for the period?

11 A. Actual equivalent availability and adjusted actual
12 equivalent availability figures for each of the
13 Company's GPIF units are shown on page 13 of Schedule
14 5. Pages 4 through 9 of Schedule 2 contain the
15 calculations for the adjusted actual equivalent
16 availabilities.

17 A calculation of GPIF availability points based on
18 these availabilities and the targets established by
19 Commission Order PSC-93-1331-FOF-EI is on page 10 of
20 Schedule 2. The results are: Crist 6, +10.00 points;
21 Crist 7, -9.36 points; Smith 1, +10.00 points; Smith 2,
22 +10.00 points; Daniel 1, +10.00 points, and Daniel 2,
23 +10.00 points.
24
25

1 Q. Mr. Fontaine, what were the heat rate results for the
2 period?

3 A. The detailed calculation of the actual average net
4 operating heat rates for the Company's GPIF units is on
5 pages 2 through 7 of Schedule 3. These heat rate
6 figures have not at this point been adjusted in
7 accordance with GPIF procedures for load and other
8 factors to the bases of their targets.

9 As was done for the prior GPIF periods, and as
10 indicated on pages 8 through 13 of Schedule 3, the
11 target setting equations were used to adjust actual
12 results to the target bases. These equations,
13 submitted in July 1993, are shown on page 15 of
14 Schedule 3.

15
16 As calculated on page 16 of Schedule 3, the
17 adjusted actual average net operating heat rates
18 correspond to GPIF unit heat rate points of: +2.04 for
19 Crist 6, -0.27 for Crist 7; -1.93 for Smith 1, -5.18
20 for Smith 2; +10.00 for Daniel 1; and +1.05 for Daniel
21 2.

22
23
24
25

1 Q. Mr. Fontaine, what number of Company points were
2 achieved during the period, and what reward or penalty
3 is indicated by these points according to the GPIF
4 procedure?

5 A. Using the unit equivalent availability and heat rate
6 points previously mentioned, along with the appropriate
7 weighting factors, the Company points would be -1.04 as
8 indicated on page 2 of Schedule 4. This calculated to
9 a penalty in the amount of \$84,941.
10

11 Q. Mr. Fontaine, would you please summarize your
12 testimony?

13 A. Yes, Sir. In view of the adjusted actual equivalent
14 availabilities, as shown on page 10 of Schedule 2, and
15 the adjusted actual average net operating heat rates
16 achieved, as shown on page 16 of Schedule 3, evidencing
17 the Company's performance for the period, Gulf
18 calculates a penalty in the amount of \$84,941 as
19 provided for by the GPIF plan.

20 Q. Mr. Fontaine, does this conclude your testimony?
21 A. Yes, Sir.
22
23
24
25

Florida Public Service Commission
Docket No. 940001-E1
Gulf Breeze Company
Witness: G. D. Fontaine
Exhibit No. ___ (GF-1)

EXHIBIT TO THE TESTIMONY OF

G. D. FONTAINE

IN FPSC DOCKET 940001-E1

I. CORRECTIONS TO REPORTED OUTAGES FOR THE OCTOBER 1993 - MARCH 1994 PERIOD

Additions and Corrections to Outages Previously Reported
 for the October 1993 - March 1994 Period

Date	Unit	Change	Outage Type	Hours	MWH	Description
10/93	Crist 7	Generation	-	1	+321	One Hour Generation For Daylight Savings Time
10/93	Smith 1	Generation	-	1	+156	One Hour Generation For Daylight Savings Time
10/93	Smith 2	Generation	-	1	+156	One Hour Generation For Daylight Savings Time
10/93	Daniel 1	Generation	-	1	+152	One Hour Generation For Daylight Savings Time
10/93	Daniel 2	Generation	-	1	+150	One Hour Generation For Daylight Savings Time

II. CALCULATIONS OF EQUIVALENT AVAILABILITY POINTS

Comparison of Forecast and Actual Planned Outages
 for October 1993 - March 1994

Unit	Note	Forecast Planned Outage Schedule	Forecast Hours*	Actual Planned Outage Schedule	Actual Hours*
Crist 6	1	11/04/93-11/14/93	216.0	None	0.0
Crist 6	2	02/26/94-05/08/94	816.0	03/02/94-Present	696.7
Crist 7	3	10/23/93-10/31/93	216.0	10/22/93-10/26/93	93.8
Crist 7	4	02/05/94-02/20/94	384.0	02/04/94-02/20/94	379.3
Smith 1	5	11/20/94-11/28/94	216.0	11/12/93-11/20/93	184.3
Smith 1	6	02/12/94-04/24/94	1152.0	02/11/94-Present	1157.0
Smith 2	7	10/09/93-10/17/93	216.0	None	0.0
Smith 2	8	02/05/94-02/20/94	384.0	03/04/94-03/19/94	354.2
Daniel 1	9	02/26/94-04/10/94	816.0	02/18/94-04/04/94	984.9
Daniel 2	10	01/08/94-02/20/94	1056.0	01/21/94-03/11/94	1153.8

* Planned outage hours in the October 1993 - March 1994 period only.

- Notes:
1. This outage was not taken because the necessary work was completed during forced outages and reserve shutdowns.
 2. This outage was shifted because of construction delays on the cold side precipitator retrofit.
 3. This outage was completed early because the scope of work was limited and no unusual problems were encountered.
 4. This outage proceeded as scheduled.
 5. This outage was shifted to lower the outage cost because the forecast outage included work over the Thanksgiving holiday.
 6. This outage was extended because of worse than anticipated equipment conditions.
 7. This outage was not required due to work performed during forced outages.
 8. This outage was shifted to accommodate a common outage with unit 1 which required the inlet water tunnel to be drained.

Comparison of Forecast and Actual Planned Outages (Continued)
for October 1993 - March 1994

9. This outage was shifted to begin early because the unit was not needed by the load control center.

10. This outage began late because the unit was needed by the system. The outage was extended due to problems with new equipment.

Calculation of Actual Equivalent Availability
 for October 1993 - March 1994
 Based on Target Planned Outage Hours
 Cris 6

Results of Operations

	Oct	Nov	Dec	Jan	Feb	Mar	Total
FOH	75.6	0.3	0.0	0.0	19.7	0.0	95.6
EFOH	13.1	1.4	0.8	2.4	0.0	0.0	17.7
NOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
POH	0.0	0.0	0.0	0.0	0.0	696.7	696.7
RSH	126.0	0.0	0.0	144.0	0.0	0.0	270.0

$$1. \text{ EUOR} = \frac{(\text{FOH} + \text{EFOH} + \text{NOH} + \text{ENOH})}{(\text{PH} - \text{POH} - \text{RSH})} = \frac{(95.6 + 17.7 + 0.0 + 0.0)}{(4369.0 - 696.7 - 270.0)}$$

$$\text{EUOR} = 0.0333$$

$$2. \text{ EA} = \left[1 - \frac{(\text{POH}^* + \text{EUOR} (\text{PH} - \text{POH}^* - \text{RSH}^*))}{\text{PH}} \right] \times 100$$

$$\text{Target POH}^* = 1032.0$$

$$\text{Target RSH}^* = 0.0$$

$$\text{EA} = \left[1 - \frac{(1032.0 + 0.0333 (4369.0 - 1032.0 - 0.0))}{4369.0} \right] \times 100 = 73.8 \%$$

Note: Please refer to page 11 of this schedule for an explanation of symbols.

Calculation of Actual Equivalent Availability
for October 1993 - March 1994
Based on Target Planned Outage Hours
Crist 7

Results of Operations

	Oct	Nov	Dec	Jan	Feb	Mar	Total
FOH	14.8	44.2	663.6	131.0	0.0	22.4	876.0
EFOH	8.1	8.8	0.0	22.0	1.7	61.5	102.1
MOH	0.0	0.0	0.0	0.0	37.1	0.0	37.1
EMOH	0.0	64.7	0.0	0.0	0.0	27.8	92.5
PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
POH	93.8	0.0	0.0	0.0	379.3	0.0	473.1
RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$$1. \text{ EUOR} = \frac{(\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH})}{(\text{PH} - \text{POH} - \text{RSH})} = \frac{(876.0 + 102.1 + 37.1 + 92.5)}{(4369.0 - 473.1 - 0.0)}$$

$$\text{EUOR} = 0.2843$$

$$2. \text{ EA} = \left[1 - \frac{(\text{POH}^* + \text{EUOR} (\text{PH} - \text{POH}^* - \text{RSH}^*))}{\text{PH}} \right] \times 100$$

$$\text{Target POH}^* = 600.0$$

$$\text{Target RSH}^* = 0.0$$

$$\text{EA} = \left[1 - \frac{(600.0 + 0.2843 (4369.0 - 600.0 - 0.0))}{4369.0} \right] \times 100 = 61.7 \%$$

Note: Please refer to page 11 of this schedule for an explanation of symbols.

Calculation of Actual Equivalent Availability
for October 1993 - March 1994
Based on Target Planned Outage Hours
Smith 1

Results of Operations

	Oct	Nov	Dec	Jan	Feb	Mar	Total
FOH	8.7	2.0	0.0	0.0	0.0	0.0	10.7
EFOH	0.6	3.0	2.2	4.5	1.8	0.0	12.1
MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PH	745.0	720.0	746.0	744.0	672.0	744.0	4369.0
POH	0.0	184.3	0.0	0.0	413.0	744.0	1341.3
RSH	0.0	0.0	455.9	71.0	0.0	0.0	526.9

$$1. \text{ EUOR} = \frac{(\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH})}{(\text{PH} - \text{POH} - \text{RSH})} = \frac{(10.7 + 12.1 + 0.0 + 0.0)}{(4369.0 - 1341.3 - 526.9)}$$

$$\text{EUOR} = 0.0091$$

$$2. \text{ EA} = \left[1 - \frac{(\text{POH}^* + \text{EUOR} (\text{PH} - \text{POH}^* - \text{RSH}^*))}{\text{PH}} \right] \times 100$$

$$\text{Target POH}^* = 1368.0$$

$$\text{Target RSH}^* = 0.0$$

$$\text{EA} = \left[1 - \frac{(1368.0 + 0.0091 (4369.0 - 1368.0 - 0.0))}{4369.0} \right] \times 100 = 68.1 \%$$

Note: Please refer to page 11 of this schedule for an explanation of symbols.

Calculation of Actual Equivalent Availability
 for October 1993 - March 1994
 Based on Target Planned Outage Hours
 Smith 2

Results of Operations

	Oct	Nov	Dec	Jan	Feb	Mar	Total
FOH	1.9	0.0	0.0	0.0	0.0	0.0	1.9
EFOH	0.6	0.3	0.0	3.6	5.0	2.5	12.0
NOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENOH	0.0	0.1	0.0	2.4	0.0	0.0	2.5
PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
POH	0.0	0.0	0.0	0.0	0.0	354.2	354.2
RSH	0.0	0.0	247.1	0.0	0.0	0.0	247.1

$$1. \text{ EUOR} = \frac{(\text{FOH} + \text{EFOH} + \text{NOH} + \text{ENOH})}{(\text{PH} - \text{POH} - \text{RSH})} = \frac{(1.9 + 12.0 + 0.0 + 2.5)}{(4369.0 - 354.2 - 247.1)}$$

$$\text{EUOR} = 0.0044$$

$$2. \text{ EA} = \left[1 - \frac{(\text{POH}^* + \text{EUOR} (\text{PH} - \text{POH}^* - \text{RSH}^*))}{\text{PH}} \right] \times 100$$

$$\text{Target POH}^* = 600.0$$

$$\text{Target RSH}^* = 0.0$$

$$\text{EA} = \left[1 - \frac{(600.0 + 0.0044 (4369.0 - 600.0 - 0.0))}{4369.0} \right] \times 100 = 85.9 \%$$

Note: Please refer to page 11 of this schedule for an explanation of symbols.

Calculation of Actual Equivalent Availability
for October 1993 - March 1994
Based on Target Planned Outage Hours
Detail 1

Results of Operations

	Oct	Nov	Dec	Jan	Feb	Mar	Total
FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EFOH	0.4	0.0	0.0	10.6	0.7	0.0	11.7
MOH	129.0	0.0	0.0	0.0	0.0	0.0	129.0
EMOH	0.0	0.0	0.0	2.2	0.8	0.0	3.0
PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
POH	0.0	0.0	0.0	0.0	240.9	744.0	984.9
RSH	563.6	367.4	744.0	125.0	0.0	0.0	1800.0

$$1. \text{EUOR} = \frac{(\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH})}{(\text{PH} - \text{POH} - \text{RSH})} = \frac{(0.0 + 11.7 + 129.0 + 3.0)}{(4369.0 - 984.9 - 1800.0)}$$

EUOR = 0.0907

$$2. \text{EA} = \left[1 - \frac{(\text{POH}^* + \text{EUOR} (\text{PH} - \text{POH}^* - \text{RSH}^*))}{\text{PH}} \right] \times 100$$

Target POH* = 816.0

Target RSH* = 1969.0

$$\text{EA} = \left[1 - \frac{(816.0 + 0.0907 (4369.0 - 816.0 - 1969.0))}{4369.0} \right] \times 100 = 78.0 \%$$

Note: Please refer to page 11 of this schedule for an explanation of symbols.

Calculation of Actual Equivalent Availability
 for October 1993 - March 1996
 Based on Target Planned Outage Hours
 Daniel Z

Results of Operations

	Oct	Nov	Dec	Jan	Feb	Mar	Total
FOH	0.0	0.0	0.0	13.1	0.0	0.0	13.1
EFOH	1.5	4.2	0.0	2.3	0.0	19.1	27.1
MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMOH	6.3	0.0	0.0	1.6	0.0	0.0	7.9
PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
POH	0.0	0.0	0.0	241.6	672.0	240.3	1153.9
RSH	152.6	660.6	744.0	394.8	0.0	0.0	1952.0

$$1. \text{ EUOR} = \frac{(\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH})}{(\text{PH} - \text{POH} - \text{RSH})} = \frac{(13.1 + 27.1 + 0.0 + 7.9)}{(4369.0 - 1153.9 - 1952.0)}$$

$$\text{EUOR} = 0.0381$$

$$2. \text{ EA} = \left[1 - \frac{(\text{POH}^* + \text{EUOR} (\text{PH} - \text{POH}^* - \text{RSH}^*))}{\text{PH}} \right] \times 100$$

$$\text{Target POH}^* = 1056.0$$

$$\text{Target RSH}^* = 1969.0$$

$$\text{EA} = \left[1 - \frac{(1056.0 + 0.0381 (4369.0 - 1056.0 - 1969.0))}{4369.0} \right] \times 100 = 74.7 \%$$

Note: Please refer to page 11 of this schedule for an explanation of symbols.

Calculation of Equivalent Availability Points
for October 1993 - March 1994

(1) Unit	(2) Equivalent Availability Target*	(3) Actual Equivalent Availability Adjusted to Target Planned Outage Basis**	(4) Minimum or Maximum Attainable Equivalent Availability*	(5) Availability Points***
Crist 6	68.8	73.8	71.1	10.00
Crist 7	69.0	61.7	61.2	-9.36
Smith 1	64.4	68.1	65.7	10.00
Smith 2	82.6	85.9	83.7	10.00
Daniel 1	76.4	78.0	77.9	10.00
Daniel 2	74.1	74.7	74.6	10.00

* As appropriate from page 5, Schedule 3 of Exhibit to G. D. Fontaine's July 7, 1993 GPIF testimony in Docket 940001-EI.

** Refer to pages 4 through 9 of this schedule for calculations.

*** If (3) > (2)

$$\text{Availability Points} = \frac{(3) - (2)}{(4) - (2)} \times 10$$

If (3) < (2)

$$\text{Availability Points} = \frac{(3) - (2)}{(4) - (2)} \times -10$$

Summary of Equivalent Availability Symbols

- EA - Equivalent Availability
- POH - Planned Outage Hours
- EUOR - Equivalent Unplanned Outage Rate
- PH - Period Hours
- FOH - Forced Outage Hours
- EFOH - Equivalent Forced Outage Hours
- MOH - Maintenance Outage Hours
- EMOH - Equivalent Maintenance Outage Hours
- RSH - Reserve Shutdown Hours

III. CALCULATION OF GP1F UNIT HEAT RATE POINTS

Summary of Equivalent Availability Symbols

- EA - Equivalent Availability
- POH - Planned Outage Hours
- EUCR - Equivalent Unplanned Outage Rate
- PH - Period Hours
- FOH - Forced Outage Hours
- EFOR - Equivalent Forced Outage Hours
- MOR - Maintenance Outage Hours
- EMOR - Equivalent Maintenance Outage Hours
- RSH - Reserve Shutdown Hours

III. CALCULATION OF GP&F UNIT HEAT RATE POINTS

Calculation of Average Net Operating Heat Rate Points
for October 1993 - March 1994

Sheet 6

	Oct	Nov	Dec	Jan	Feb	Mar	Total
Pounds Coal (000's)	103596.9	146435.5	99526.1	121017.3	128658.4	10706.1	609942.3
BTU/Lb*	11850.3	11911.2	12125.3	12123.4	11807.1	11631.6	11951.0
Coal, MMBTU	1227678.0	1744222.5	1206783.8	1467141.1	1519082.6	124529.1	7289437.1
Oil, MMBTU	1208.2	946.0	2599.4	1034.1	3928.0	312.1	10027.8
Gas, MMBTU	4967.0	909.0	0.0	2625.0	464.0	0.0	9025.0
Startup, MMBTU **	-4040.0	0.0	0.0	-5040.0	0.0	0.0	-8080.0
Total Fuel Consumption, MMBTU	1229813.2	1746137.5	1209383.2	1466760.2	1523474.6	124841.2	7300409.9
Net MWh Generation***	120107	171169	110781	138970	145661	12282	698970
Average Net Operating Heat Rate	10239	10201	10917	10555	10459	10165	10445

* Weighted average of daily as-burned BTU/Lb values.

** Based on number of unit starts after unit off-line 24 hours or more.

*** Not reduced by off-line station service.

Calculation of Average Net Operating Heat Rate Points
for October 1993 - March 1994

Crist 7

	Oct	Nov	Dec	Jan	Feb	Mar	Total
Pounds Coal (000's)	225463.7	217344.9	23820.6	199630.5	84824.7	227480.3	978564.7
BTU/Lb*	11592.7	11895.2	12631.9	12021.6	11773.6	11824.4	11842.2
Coal, MMBTU	2613733.0	2585361.1	300899.4	2399878.0	998692.1	2689818.1	11588381.7
Oil, MMBTU	3039.1	3149.1	1775.6	5534.2	534.0	3285.5	17319.4
Gas, MMBTU	2415.0	2149.0	22669.0	27896.0	0.0	1207.0	56336.0
Startup, MMBTU **	-2256.0	-2256.0	-11280.0	-13536.0	-4512.0	0.0	-33840.0
Total Fuel Consumption, MMBTU	2616931.1	2585403.2	314064.0	2419772.2	994715.0	2696311.6	11628197.1
Net MM Generation***	255603	250762	28681	230454	95597	260406	1121503
Average Net Operating Heat Rate	10238	10322	10950	10500	10405	10347	10368

* Weighted average of daily as-burned BTU/Lb values.

** Based on number of unit starts after unit off-line 24 hours or more.

*** Not reduced by off-line station service.

Calculation of Average Net Operating Heat Rate Points
for October 1993 - March 1994

Smith 1

	Oct	Nov	Dec	Jan	Feb	Mar	Total
Pounds Coal (000's)	95217.7	69291.6	25959.6	89151.9	33866.0	0.0	313486.8
BTU/Lb ^a	11961.2	11919.4	12095.0	11828.2	11719.6	0.0	11899.1
Coal, MMBTU	1138918.0	825916.3	313981.4	1054506.5	396896.0	0.0	3730216.2
Oil, MMBTU	608.4	1962.4	233.8	2010.0	511.8	0.0	5326.4
Gas, MMBTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Startup, MMBTU ^{**}	0.0	-964.0	0.0	-964.0	0.0	0.0	-1928.0
Total Fuel Consumption, MMBTU	1139526.4	826912.7	314215.2	1055552.5	397407.8	0.0	3733614.6
Net MMB Generation ^{***}	112163	79907	30532	101470	37863	0	361935
Average Net Operating Heat Rate	10160	10348	10291	10403	10496	---	10316

^a Weighted average of daily on-burned BTU/Lb values.
^{**} Based on number of unit starts after unit off-line 24 hours or more.
^{***} Not reduced by off-line station service.

Calculation of Average Net Operating Heat Rate Points
for October 1993 - March 1994

Smith 2

	Oct	Nov	Dec	Jan	Feb	Mar	Total
Pounds Coal (000's)	110738.2	111105.2	47416.5	113226.4	103253.7	57397.1	543137.1
BTU/Lb [*]	11950.7	11905.2	11855.8	11839.3	11608.3	11752.2	11823.8
Coal, MBTU	1323399.0	1322729.6	562160.5	1340521.3	1198599.9	674542.2	6421952.5
Oil, MBTU	574.8	451.1	2221.3	1361.6	1456.3	2259.9	8325.0
Gas, MBTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Startup, MBTU **	0.0	0.0	-1190.0	0.0	0.0	-1190.0	-2380.0
Total Fuel Consumption, MBTU	1323973.8	1323180.7	563191.8	1341882.9	1200056.2	675612.1	6427897.5
Net MWh Generation***	128870	126961	52772	129553	116137	64781	619074
Average Net Operating Heat Rate	10274	10422	10672	10358	10333	10429	10383

* Weighted average of daily as-burned BTU/Lb values.
** Based on number of unit starts after unit off-line 24 hours or more.
*** Not reduced by off-line station service.

Calculation of Average Net Operating Heat Rate Points
for October 1993 - March 1994

Daniel 1

	Oct	Nov	Dec	Jan	Feb	Mar	Total
Pounds Coal (000's)	9439.3	60909.2	0.0	178732.0	193034.7	0.0	442115.2
BTU/Lb*	12795.5	12545.4	0.0	10895.9	9374.2	0.0	10497.4
Coal, MMBTU	119940.5	764130.3	0.0	1967446.0	1809545.9	0.0	4641962.7
Oil, MMBTU	3661.4	4877.6	0.0	4476.2	206.1	0.0	15221.3
Gas, MMBTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Startup, MMBTU **	-2388.7	-4717.4	0.0	-2388.7	0.0	0.0	-9554.8
Total Fuel Consumption, MMBTU	121213.2	766230.5	0.0	1969533.5	1809752.0	0.0	4646729.2
Net MWh Generation***	11466	72748	0	199528	179670	0	463412
Average Net Operating Heat Rate	10572	10533	---	9771	10073	---	10027

* Weighted average of daily as-burned BTU/Lb values.
** Based on number of unit starts after unit off-line 24 hours or more.
*** Not reduced by off-line station service.

Calculation of Average Net Operating Heat Rate Points
for October 1993 - March 1994

Daniel 2

	Oct	Nov	Dec	Jan	Feb	Mar	Total
Pounds Coal (000's)	152344.9	10881.8	0.0	26219.2	0.0	213314.5	402760.4
BTU/Lb*	12016.4	12500.1	0.0	12373.9	0.0	9302.1	10611.9
Coal, MMBTU	1830637.3	136023.6	0.0	323122.8	0.0	1984272.8	4274056.5
Oil, MMBTU	2847.8	419.5	0.0	7694.1	0.0	5415.0	16376.4
Gas, MMBTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Startup, MMBTU **	-2388.7	0.0	0.0	-2388.7	0.0	-2388.7	-7166.1
Total Fuel Consumption, MMBTU	1831096.4	136443.1	0.0	328428.2	0.0	1987299.1	4283266.8
Net MWh Generation***	181862	13272	0	32912	0	200085	428131
Average Net Operating Heat Rate	10069	10281	---	9979	---	9932	10005

* Weighted average of daily as-burned BTU/Lb values.

** Based on number of unit starts after unit off-line 24 hours or more.

*** Not reduced by off-line station service.

Calculation of Average Net Operating Heat Rate
for October 1993 - March 1994
Adjusted to Target Basis Using Heat Rate
Equations Filed July 7, 1993

Crist 6

	Oct	Nov	Dec	Jan	Feb	Mar	Oct - Mar
1. Target Heat Rate*	10024	10148	10152	10332	10163	0	
2. Target Heat Rate at Actual Conditions**	10348	10391	11156	10640	10474	10283	
3. Adjustment to Actual Heat Rate (1-2)	-324	-243	-1004	-308	-311	-119	
4. Actual Heat Rate (Page 2 of Sched. 3)	10239	10201	10917	10555	10459	10165	
5. Adjusted Actual Heat Rate (4+3)	9915	9958	9913	10247	10148	10046	
6. Net MM Generation	120107	171169	110781	138970	145661	12282	
7. Adjusted Actual Heat Rate for October 1993 - March 1994 $= (\Sigma(5+6) / \Sigma 6)$							10042

* From page 18, schedule 3 of Exhibit to G. D. Fontaine's July 7, 1993
GPIF testimony in Docket 940001-E1.

** Based on target heat rate equation from page 2, Schedule 1 of above mentioned
filing using actual rather than forecast variable values. The equations are
also shown for convenience on page 15 of this schedule.

Calculation of Average Net Operating Heat Rate
for October 1993 - March 1994
Adjusted to Target Basis Using Heat Rate
Equations Filed July 7, 1993

Crist 7

	Oct	Nov	Dec	Jan	Feb	Mar	Oct - Mar
1. Target Heat Rate*	9899	10032	9955	9958	9950	9870	
2. Target Heat Rate at Actual Conditions**	10191	10385	10329	10266	10363	10251	
3. Adjustment to Actual Heat Rate (1-2)	-292	-353	-374	-308	-413	-381	
4. Actual Heat Rate (Page 3 of Sched. 3)	10238	10322	10950	10500	10405	10347	
5. Adjusted Actual Heat Rate (4+3)	9946	9969	10576	10192	9992	9966	
6. Net MWH Generation	255603	250762	28681	230454	95597	260406	
7. Adjusted Actual Heat Rate for October 1993 - March 1994 = $(\Sigma(5+6)/\Sigma 6)$							10026

* From page 19, schedule 3 of Exhibit to G. D. Fontaine's July 7, 1993 GPIF testimony in Docket 940001-EI.

** Based on target heat rate equation from page 2, Schedule 1 of above mentioned filing using actual rather than forecast variable values. The equations are also shown for convenience on page 15 of this schedule.

Calculation of Average Net Operating Heat Rate
for October 1993 - March 1994
Adjusted to Target Basis Using Heat Rate
Equations Filed July 7, 1993

Sheet 1

	Oct	Nov	Dec	Jan	Feb	Mar	Oct - Mar
1. Target Heat Rate*	10053	10050	10150	10146	10146	0	
2. Target Heat Rate at Actual Conditions**	10099	10109	10579	10207	10234	0	
3. Adjustment to Actual Heat Rate (1-2)	-46	-59	-429	-61	-88	0	
4. Actual Heat Rate (Page 4 of Sched. 3)	10160	10348	10291	10403	10496	0	
5. Adjusted Actual Heat Rate (4+3)	10114	10289	9862	10342	10408	0	
6. Net kWh Generation	112163	79907	30532	101470	37863	0	
7. Adjusted Actual Heat Rate for October 1993 - March 1994 $= (\Sigma(5+6) / \Sigma 6)$							10226

* From page 20, schedule 3 of Exhibit to G. D. Fontaine's July 7, 1993
GPIF testimony in Docket 940001-E1.

** Based on target heat rate equation from page 2, Schedule 1 of above mentioned
filing using actual rather than forecast variable values. The equations are
also shown for convenience on page 19 of this schedule.

Calculation of Average Net Operating Heat Rate
for October 1993 - March 1994
Adjusted to Target Basis Using Heat Rate
Equations Fitted July 7, 1993

Switch 2

	Oct	Nov	Dec	Jan	Feb	Mar	Oct - Mar
1. Target Heat Rate*	10083	10082	10085	10082	10083	10214	
2. Target Heat Rate at Actual Conditions**	10124	10124	10578	10118	10119	10292	
3. Adjustment to Actual Heat Rate (1-2)	-41	-42	-493	-36	-36	-78	
4. Actual Heat Rate (Page 5 of Sched. 3)	10274	10422	10672	10358	10333	10429	
5. Adjusted Actual Heat Rate (4+3)	10233	10380	10179	10322	10297	10351	
6. Net MWh Generation	128870	126961	52772	129553	116137	64781	
7. Adjusted Actual Heat Rate for October 1993 - March 1994 $= (2(5+6)/2.6)$							10302

* From page 21, schedule 3 of Exhibit to G. D. Fontaine's July 7, 1993
GPIF testimony in Docket 940001-EI.

** Based on target heat rate equation from page 2, Schedule 1 of above mentioned
filing using actual rather than forecast variable values. The equations are
also shown for convenience on pages 15 of this schedule.

Calculation of Average Net Operating Heat Rate
 for October 1993 - March 1994
 Adjusted to Target Basis Using Heat Rate
 Equations Filed July 7, 1993

Daniel 1

	Oct	Nov	Dec	Jan	Feb	Mar	Oct - Mar
1. Target Heat Rate*	0	0	11004	10527	10487	0	
2. Target Heat Rate at Actual Conditions**	10703	10755	11004	10533	10414	0	
3. Adjustment to Actual Heat Rate (1-2)	-176	-228	0	-6	73	0	
4. Actual Heat Rate (Page 6 of Sched. 3)	10572	10533	0	9771	10073	0	
5. Adjusted Actual Heat Rate (4+3)	10396	10305	0	9765	10146	0	
6. Net MWH Generation	11466	72748	0	199528	179670	0	
7. Adjusted Actual Heat Rate for October 1993 - March 1994 $= (5+6) / (26)$							10013

* From page 22, schedule 3 of Exhibit to G. D. Fontaine's July 7, 1993
 GP&F testimony in Docket 960001-EI.

** Based on target heat rate equation from page 2, Schedule 1 of above mentioned
 filing using actual rather than forecast variable values. The equations are
 also shown for convenience on page 15 of this schedule.

Calculation of Average Net Operating Heat Rate
 for October 1993 - March 1994
 Adjusted to Target Basis Using Heat Rate
 Equations Filed July 7, 1993

Daniel 2

	Oct	Nov	Dec	Jan	Feb	Mar	Oct - Mar
1. Target Heat Rate*	0	0	11100	10359	10292	9910	
2. Target Heat Rate at Actual Conditions**	10224	10592	11100	10108	10292	9775	
3. Adjustment to Actual Heat Rate (1-2)	-90	-458	0	251	0	135	
4. Actual Heat Rate (Page 7 of Sched. 3)	10069	10281	0	9979	0	9932	
5. Adjusted Actual Heat Rate (4+3)	9979	9823	0	10230	0	10067	
6. Net MWh Generation	181862	13272	0	32912	0	200085	
7. Adjusted Actual Heat Rate for October 1993 - March 1994 $= (\Sigma (5 \times 6) / \Sigma 6)$							10035

* From page 23, schedule 3 of Exhibit to G. D. Fontaine's July 7, 1993
 GPP testimony in Docket 940001-EI.

** Based on target heat rate equation from page 2, Schedule 1 of above mentioned
 filing using actual rather than forecast variable values. The equations are
 also shown for convenience on page 15 of this schedule.

Actual Values of
Target Heat Rate Equation Parameters
for October 1993 - March 1994

	Oct	Nov	Dec	Jan	Feb	Mar
Crist 6						
AKM * 10 ⁺³	221.0	237.8	148.9	231.6	223.3	259.7
LSRF * 10 ⁺⁶	54578.6	60716.4	24748.1	57513.1	54286.2	71839.0
Crist 7						
AKM * 10 ⁺³	401.6	371.1	356.7	375.9	376.0	360.9
LSRF * 10 ⁺⁶	174273.8	154067.1	143963.2	156956.0	151675.4	143518.6
Smith 1						
AKM * 10 ⁺³	152.3	149.7	106.0	150.8	146.2	0.0
LSRF * 10 ⁺⁶	23375.1	22879.3	12687.0	23007.2	21758.0	0.0
Smith 2						
AKM * 10 ⁺³	173.4	176.3	106.2	176.1	172.6	166.2
LSRF * 10 ⁺⁶	30795.5	31772.6	13177.6	30920.4	30512.5	28642.5
Daniel 1						
AKM * 10 ⁺³	218.8	206.3	0.0	322.3	416.8	0.0
LSRF * 10 ⁺⁶	61224.5	53226.9	0.0	118435.2	174861.3	0.0
Daniel 2						
AKM * 10 ⁺³	307.0	223.4	0.0	348.3	0.0	397.2
LSRF * 10 ⁺⁶	117787.3	63152.9	0.0	149960.4	0.0	161531.6

Target Heat Rate Equations

$$\begin{aligned} \text{Crist 6 ANOHR} &= 10^6 / \text{AKW} * [304.45 + 49.59 * \text{JAN} + 67.34 * \text{JUN} - 31.01 * \text{OCT}] \\ &+ 9,111 \\ \text{Crist 7 ANOHR} &= 10^6 / \text{AKW} * [-387.31 - 51.10 * \text{MAR} - 63.19 * \text{APR} + 89.56 * \text{JUL} + 41.72 * \text{NOV}] \\ &+ 14,866 - 0.00855 * \text{LSRF} / \text{AKW} \\ \text{Smith 1 ANOHR} &= 10^6 / \text{AKW} * [132.66 - 14.45 * \text{MAY} - 15.15 * \text{OCT} - 15.57 * \text{NOV}] \\ &+ 9,327 \\ \text{Smith 2 ANOHR} &= 10^6 / \text{AKW} * [266.00 + 25.29 * \text{MAR} + 20.37 * \text{AUG} + 19.24 * \text{SEP}] \\ &+ 6,876 + 0.00965 * \text{LSRF} / \text{AKW} \\ \text{Daniel 1 ANOHR} &= 10^6 / \text{AKW} * [-126.63] \\ &+ 12,409 - 0.00403 * \text{LSRF} / \text{AKW} \\ \text{Daniel 2 ANOHR} &= 10^6 / \text{AKW} * [301.59 - 89.75 * \text{MAR} + 35.00 * \text{SEP}] \\ &+ 9,242 \end{aligned}$$

Where:

ANOHR	Average Net Operating Heat Rate, BTU/KWH
AKW	Average Kilowatt Load, KW
LSRF	Load Square Range Factor, KW ²
JAN	January, 0 if not January, 1 if January
FEB	February, 0 if not February, 1 if February
MAR	March, 0 if not March, 1 if March
APR	April, 0 if not April, 1 if April
MAY	May, 0 if not May, 1 if May
JUN	June, 0 if not June, 1 if June
JUL	July, 0 if not July, 1 if July
AUG	August, 0 if not August, 1 if August
SEP	September, 0 if not September, 1 if September
OCT	October, 0 if not October, 1 if October
NOV	November, 0 if not November, 1 if November

Calculation of Heat Rate Points
for October 1993 - March 1994

(1) Unit	(2) Average Net Operating Heat Rate Target*	(3) Actual Average Net Operating Heat Rate ^{to Target} to Target ^{points}	(4) Minimum Attainable Heat Rate ^b	(5) Heat Rate Points ^{***}
Crist 6	10166	10042	9859	2.04
Crist 7	9945	10026	9647	-0.27
Smith 1	10107	10226	9804	-1.93
Smith 2	10109	10302	9806	-5.18
Daniel 1	10527	10013	10211	10.00
Daniel 2	10134	10035	9830	1.05

* From page 5, schedule 3 of Exhibit to G. D. Fontaine's July 7, 1993 GPF testimony in Docket 940001-E1.

** Refer to pages 8 through 13 of this schedule for calculation.

*** If $[(2) - 75] \leq (3) \leq [(2) + 75]$ then points = 0

If $[(2) - (3) - 75] > 0$ then points = $\frac{(2) - (3) - 75}{(2) - (4) - 75} * 10$

If $[(2) - (3) + 75] < 0$ then points = $\frac{(2) - (3) + 75}{(2) - (4) - 75} * 10$

Florida Public Service Commission
Docket No. 940001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. ___ (GDF-1)
Schedule 4
Page 1 of 2

IV. CALCULATION OF COMPANY GPIF POINTS AND REWARD/PENALTY

Calculation of Heat Rate Points
 GPIF Points and Reward or Penalty
 for October 1993 - March 1994

Unit	Availability Points	Availability* Weighting Factor	Heat Rate Points	Heat Rate* Weighting Factor
Crist 6	10.00	0.035	2.04	0.142
Crist 7	-9.36	0.081	-0.27	0.288
Smith 1	10.00	0.015	-1.93	0.130
Smith 2	10.00	0.015	-5.18	0.234
Daniel 1	10.00	0.002	10.00	0.025
Daniel 2	10.00	0.002	1.05	0.031

$$\begin{aligned}
 \text{Company GPIF Points} = & + 10.00 * 0.035 + 2.04 * 0.142 \\
 & - 9.36 * 0.081 - 0.27 * 0.288 \\
 & + 10.00 * 0.015 - 1.93 * 0.130 \\
 & + 10.00 * 0.015 - 5.18 * 0.234 \\
 & + 10.00 * 0.002 + 10.00 * 0.025 \\
 & + 10.00 * 0.002 + 1.05 * 0.031 \\
 & - 1.04
 \end{aligned}$$

$$\begin{aligned}
 \text{Company reward/penalty} = & -1.04 \text{ points} * \$81675 \text{ per point} \\
 = & (\$84,941)
 \end{aligned}$$

* From page 5, Schedule 3 of Exhibit to G. D. Fontaine's July 7, 1993 GPIF testimony in Docket 940001-EI.

V. GPIF MINIMUM FILING REQUIREMENTS FOR THE OCTOBER 1993 - MARCH 1994 PERIOD

CONTENTS	SCHEDULE 5
	PAGE
GPIF Reward/Penalty Table (Actual)	3
GPIF Calculation of Maximum Allowed Incentive Dollars (Actual)	4
Calculation of System Actual GPIF Points	5
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GPIF Unit Performance Summary	12
Actual Unit Performance Data	13
Historic Unit Performance Data	16 - 19
Planned Outage Schedules (Actual)	20

Generating Performance Incentive Factor

Actual Reward/Penalty Table

Gulf Power Company

Period of: October 1993 - March 1994

Generating Performance Incentive Factor Points	Fuel Saving/Loss (\$000)	Generating Performance Incentive Factor (\$000)
	Maximum Attainable Fuel Savings	Maximum Incentive Dollars Allowed by Commission During Period (Reward)
+ 10	1948	817
+ 9	1753	735
+ 8	1558	653
+ 7	1364	572
+ 6	1169	490
+ 5	974	408
+ 4	779	327
+ 3	584	245
+ 2	390	163
+ 1	195	82
0	0	0
- 1	-211	-82
- 2	-422	-163
- 3	-632	-245
- 4	-843	-327
- 5	-1054	-408
- 6	-1265	-490
- 7	-1476	-572
- 8	-1686	-653
- 9	-1897	-735
- 10	-2108	-817
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

Issued by: T. J. Bowden

Page 3 of 20
Schedule 5Filed: May 20, 1994
Suspended:
Effective: May 20, 1994
Docket No.: 960001-EI
Order No.:

Generating Performance Incentive Factor
Calculation of Maximum Allowed Incentive Dollars

Actual

Gulf Power Company

Period of: October 1993 - March 1994

Line 1	Beginning of Period Balance of Common Equity	\$411,414,600
	End of Month Balance of Common Equity:	
Line 2	Month of Oct '93	\$404,375,220
Line 3	Month of Nov '93	\$407,648,529
Line 4	Month of Dec '93	\$414,195,653
Line 5	Month of Jan '94	\$407,922,762
Line 6	Month of Feb '94	\$411,498,241
Line 7	Month of Mar '94	\$413,367,328
Line 8	Average Common Equity for the Period (sum of line 1 through line 7 divided by 7)	\$410,060,333
Line 9	25 Basis Points	0.0025
Line 10	Revenue Expansion Factor	60.4524%
Line 11	Maximum Allowed Incentive Dollars (line 8 multiplied by line 9 divided by line 10 multiplied by 0.5)	\$847,899
Line 12	Jurisdictional Sales (KWH)	3,696,744,169
Line 13	Total Territorial Sales (KWH)	3,837,750,188
Line 14	Jurisdictional Separation Factor (line 12 divided by line 13)	96.3258%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (line 11 multiplied by line 14)	\$816,745

Issued by: T. J. Bouden

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Schedule 5

Filed: May 20, 1994
Suspended:
Effective: May 20, 1994
Docket No.: 940001-EI
Order No.:

Calculation of System Actual GPIF Points

Gulf Power Company

Period of: October 1993 - March 1994

Plant & Unit	Performance Indicator (EAF or AMOHR)	Weighting Factor	Unit Points	Weighted Unit Points
Crist 6	EAF1	3.5%	10.00	0.350
Crist 6	AMOHR1	14.2%	2.04	0.290
Crist 7	EAF2	8.1%	-9.36	-0.758
Crist 7	AMOHR2	28.8%	-0.27	-0.078
Smith 1	EAF3	1.5%	10.00	0.150
Smith 1	AMOHR3	13.0%	-1.93	-0.251
Smith 2	EAF4	1.5%	10.00	0.150
Smith 2	AMOHR4	23.4%	-5.18	-1.212
Daniel 1	EAF5	0.2%	10.00	0.020
Daniel 1	AMOHR5	2.5%	10.00	0.250
Daniel 2	EAF6	0.2%	10.00	0.020
Daniel 2	AMOHR6	3.1%	1.05	0.033
Gulf Power GPIF Total		100.0%		-1.04

Issued by: T. J. Bowden

Page 5 of 20
Schedule 5Filed: May 20, 1994
Suspended:
Effective: May 20, 1994
Docket No.: 940001-E1
Order No.:

Generating Performance Incentive Points Table

Sulf Power Company

Period of: October 1993 - March 1994

Crist 6

Equivalent Availability Points	Fuel Savings/Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/Loss (\$000)	Adjusted Actual Heat Rate
+ 10	68	71.10	+ 10	277	9,859
+ 9	61	70.87	+ 9	249	9,882
+ 8	54	70.64	+ 8	222	9,905
+ 7	48	70.41	+ 7	194	9,928
+ 6	41	70.18	+ 6	166	9,951
+ 5	34	69.95	+ 5	139	9,974
+ 4	27	69.72	+ 4	111	9,997
+ 3	20	69.49	+ 3	83	10,020
+ 2	14	69.26	+ 2	55	10,043
+ 1	7	69.03	+ 1	28	10,066
0	0	68.80	0	0	10,089
- 1	(12)	68.45	- 1	(28)	10,166
- 2	(23)	68.10	- 2	(55)	10,239
- 3	(35)	67.75	- 3	(83)	10,262
- 4	(46)	67.40	- 4	(111)	10,285
- 5	(58)	67.05	- 5	(139)	10,308
- 6	(69)	66.70	- 6	(166)	10,331
- 7	(81)	66.35	- 7	(194)	10,354
- 8	(92)	66.00	- 8	(222)	10,377
- 9	(104)	65.65	- 9	(249)	10,400
- 10	(115)	65.30	- 10	(277)	10,423
Weighting Factor:		0.035	Weighting Factor:		0.142

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Generating Performance Incentive Points Table

Duke Energy Company

Period of: October 1993 - March 1994

Crist 7

Equivalent Availability Points	Fuel Savings/Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/Loss (\$000)	Adjusted Actual Heat Rate
+ 10	150	74.20	+ 10	561	9,647
+ 9	142	73.68	+ 9	505	9,669
+ 8	126	73.16	+ 8	449	9,692
+ 7	111	72.64	+ 7	393	9,714
+ 6	95	72.12	+ 6	337	9,736
+ 5	79	71.60	+ 5	281	9,759
+ 4	63	71.08	+ 4	224	9,781
+ 3	47	70.56	+ 3	168	9,803
+ 2	32	70.04	+ 2	112	9,825
+ 1	16	69.52	+ 1	56	9,848
0	0	69.00	0	0	9,870
- 1	(23)	68.22	- 1	(56)	9,945
- 2	(47)	67.44	- 2	(112)	10,020
- 3	(70)	66.66	- 3	(168)	10,042
- 4	(93)	65.88	- 4	(224)	10,065
- 5	(117)	65.10	- 5	(281)	10,087
- 6	(140)	64.32	- 6	(337)	10,109
- 7	(163)	63.54	- 7	(393)	10,132
- 8	(186)	62.76	- 8	(449)	10,154
- 9	(210)	61.98	- 9	(505)	10,176
- 10	(233)	61.20	- 10	(561)	10,198
Weighting Factor:		0.081	Weighting Factor:		0.288

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: October 1993 - March 1994

Smith 1

Equivalent Availability Points	Fuel Savings/Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/Loss (\$000)	Adjusted Actual Heat Rate
+ 10	30	65.70	+ 10	254	9,804
+ 9	27	65.57	+ 9	229	9,827
+ 8	24	65.44	+ 8	203	9,850
+ 7	21	65.31	+ 7	178	9,872
+ 6	18	65.18	+ 6	152	9,895
+ 5	15	65.05	+ 5	127	9,918
+ 4	12	64.92	+ 4	102	9,941
+ 3	9	64.79	+ 3	76	9,964
+ 2	6	64.66	+ 2	51	9,986
+ 1	3	64.53	+ 1	25	10,009
0	0	64.40	0	0	10,032
- 1	(3)	64.20	- 1	0	10,054
- 2	(7)	64.00	- 2	(25)	10,077
- 3	(10)	63.80	- 3	(51)	10,100
- 4	(13)	63.60	- 4	(76)	10,122
- 5	(17)	63.40	- 5	(102)	10,145
- 6	(20)	63.20	- 6	(127)	10,168
- 7	(23)	63.00	- 7	(152)	10,190
- 8	(26)	62.80	- 8	(178)	10,213
- 9	(30)	62.60	- 9	(203)	10,236
- 10	(33)	62.40	- 10	(229)	10,258
				(254)	10,281
Weighting Factor:		0.015	Weighting Factor:		0.150

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: October 1993 - March 1994

Smith 2

Equivalent Availability Points	Fuel Savings/Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/Loss (\$000)	Adjusted Actual Heat Rate
+ 10	30	83.70	+ 10	455	9,806
+ 9	27	83.59	+ 9	410	9,829
+ 8	24	83.48	+ 8	364	9,852
+ 7	21	83.37	+ 7	319	9,874
+ 6	18	83.26	+ 6	273	9,897
+ 5	15	83.15	+ 5	228	9,920
+ 4	12	83.04	+ 4	182	9,943
+ 3	9	82.93	+ 3	137	9,966
+ 2	6	82.82	+ 2	91	9,988
+ 1	3	82.71	+ 1	46	10,011
0	0	82.60	0	0	10,034
- 1	(6)	82.43	- 1	(46)	10,106
- 2	(12)	82.26	- 2	(91)	10,207
- 3	(18)	82.09	- 3	(137)	10,230
- 4	(24)	81.92	- 4	(182)	10,252
- 5	(30)	81.75	- 5	(228)	10,275
- 6	(35)	81.58	- 6	(273)	10,298
- 7	(41)	81.41	- 7	(319)	10,321
- 8	(47)	81.24	- 8	(364)	10,344
- 9	(53)	81.07	- 9	(410)	10,366
- 10	(59)	80.90	- 10	(455)	10,389
Weighting Factor:		0.015	Weighting Factor:		0.254

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: October 1993 - March 1994

Daniel 1

Equivalent Availability Points	Fuel Savings/ Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/ Loss (\$000)	Adjusted Actual Heat Rate
+ 10	4	77.90	+ 10	48	10,211
+ 9	4	77.75	+ 9	43	10,255
+ 8	3	77.60	+ 8	38	10,299
+ 7	3	77.45	+ 7	34	10,253
+ 6	2	77.30	+ 6	29	10,307
+ 5	2	77.15	+ 5	24	10,352
+ 4	2	77.00	+ 4	19	10,356
+ 3	1	76.85	+ 3	14	10,390
+ 2	1	76.70	+ 2	10	10,404
+ 1	0	76.55	+ 1	5	10,438
0	0	76.40	0	0	10,452
- 1	(1)	76.19	- 1	(5)	10,527
- 2	(2)	75.98	- 2	(10)	10,602
- 3	(3)	75.77	- 3	(14)	10,626
- 4	(4)	75.56	- 4	(19)	10,650
- 5	(6)	75.35	- 5	(24)	10,674
- 6	(7)	75.14	- 6	(29)	10,698
- 7	(8)	74.93	- 7	(34)	10,723
- 8	(9)	74.72	- 8	(38)	10,747
- 9	(10)	74.51	- 9	(43)	10,771
- 10	(11)	74.30	- 10	(48)	10,795

Weighting Factor:

0.002

Weighting Factor:

0.025

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: October 1993 - March 1994

Panel 2

Equivalent Availability Points	Fuel Savings/Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/Loss (\$000)	Adjusted Actual Heat Rate
+ 10	3	74.60	+ 10	60	9,830
+ 9	3	74.55	+ 9	54	9,853
+ 8	2	74.50	+ 8	48	9,876
+ 7	2	74.45	+ 7	42	9,899
+ 6	2	74.40	+ 6	36	9,922
+ 5	2	74.35	+ 5	30	9,945
+ 4	1	74.30	+ 4	24	9,967
+ 3	1	74.25	+ 3	18	9,990
+ 2	1	74.20	+ 2	12	10,013
+ 1	0	74.15	+ 1	6	10,036
				0	10,059
0	0	74.10	0	0	10,134
				0	10,209
- 1	(0)	74.03	- 1	(6)	10,232
- 2	(0)	73.96	- 2	(12)	10,255
- 3	(1)	73.89	- 3	(18)	10,278
- 4	(1)	73.82	- 4	(24)	10,301
- 5	(1)	73.75	- 5	(30)	10,324
- 6	(1)	73.68	- 6	(36)	10,346
- 7	(1)	73.61	- 7	(42)	10,369
- 8	(2)	73.54	- 8	(48)	10,392
- 9	(2)	73.47	- 9	(54)	10,415
- 10	(2)	73.40	- 10	(60)	10,438
Weighting Factor:		0.002	Weighting Factor:		0.031

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GPIF Unit Performance Summary

Gulf Power Company

Period of: October 1993 - March 1994

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range		Max Fuel Savings (\$000)	Max Fuel Loss (\$000)	EAF Adjusted Actual %	Actual Fuel Savings/Loss (\$000)
			Max %	Min %				
Crist 6	3.5	68.8	71.1	65.3	68	-115	73.8	868
Crist 7	8.1	69.0	74.2	61.2	158	-233	61.7	(\$218)
Smith 1	1.5	64.4	65.7	62.4	30	-33	68.1	830
Smith 2	1.5	82.6	83.7	80.9	30	-59	85.9	830
Daniel 1	0.2	76.4	77.9	74.3	4	-11	78.0	84
Daniel 2	0.2	74.1	74.6	73.4	3	-2	74.7	83
Total:	15							

Plant & Unit	Weighting Factor %	ANOH Target BTU/KWH	Target MAF	ANOH Range		Max Fuel Savings (\$000)	Max Fuel Loss (\$000)	ANOH Adjusted Actual BTU/KWH	Actual Fuel Savings/Loss (\$000)
				Max BTU/KWH	Min BTU/KWH				
Crist 6	14.2	10,166	91.6	10,469	9,859	\$277	(\$277)	10,042	857
Crist 7	28.8	9,945	93.6	10,243	9,647	\$561	(\$561)	10,026	(\$15)
Smith 1	13.0	10,107	99.8	10,410	9,804	\$254	(\$254)	10,226	(\$49)
Smith 2	23.4	10,109	99.8	10,412	9,806	\$455	(\$455)	10,302	(\$236)
Daniel 1	2.5	10,527	57.5	10,843	10,211	\$48	(\$48)	10,013	848
Daniel 2	3.1	10,134	105.2	10,438	9,830	\$60	(\$60)	10,035	86
Total:	85								

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Actual Unit Performance Data

Gulf Power Company

Period of: October 1993 - March 1994

Plant & Unit	Actual EAF %	Adjustments* to EAF %	Adjusted Actual %
Crist 6	81.5	-7.7	73.8
Crist 7	63.8	-2.1	61.7
Smith 1	68.8	-0.7	68.1
Smith 2	91.5	-5.6	85.9
Daniel 1	74.2	3.8	78.0
Daniel 2	72.5	2.2	74.7

Plant & Unit	Actual ANOHR BTU/KWH	Adjustments** to ANOHR BTU/KWH	ANOHR Adjusted Actual BTU/KWH
Crist 6	10,445	-403	10,042
Crist 7	10,368	-342	10,026
Smith 1	10,316	-90	10,226
Smith 2	10,383	-81	10,302
Daniel 1	10,027	-14	10,013
Daniel 2	10,605	30	10,635

* Refer to pages 4 through 9, Schedule 2.

** Refer to pages 8 through 13, Schedule 3.

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ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: October 1993 - March 1994

CRIST 6	Oct '93	Nov '93	Dec '93	Jan '94	Feb '94	Mar '94	Total
1. EAF (%)	88.1	99.8	99.9	99.7	97.1	6.4	81.5
2. PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
3. SH	543.4	719.7	744.0	600.0	652.3	47.3	3306.7
4. RSN	126.0	0.0	0.0	144.0	0.0	0.0	270.0
5. UN	75.6	0.3	0.0	0.0	19.7	696.7	792.3
6. PON	0.0	0.0	0.0	0.0	0.0	696.7	696.7
7. FOM	75.6	0.3	0.0	0.0	19.7	0.0	95.6
8. FDM	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PFOH	60.2	8.9	4.2	16.5	0.0	0.0	89.8
10. LR pf (MW)	69.9	52.0	57.2	45.5	0.0	0.0	63.0
11. PFDH	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. BSC (MW)	320.0	320.0	320.0	317.0	317.0	317.0	318.5
14. Oper MBtu	1229813	1746138	1209383	1466760	1523475	124841	7300410
15. Net Gen (MBtu)	120107	171169	110781	138970	145661	12282	698970
16. AMOEB (Btu/KWh)	10239	10201	10917	10555	10459	10165	10445
17. MOF %	69.1	74.3	46.5	73.1	70.4	81.9	66.4
18. MPC (MW)	320.0	320.0	320.0	317.0	317.0	317.0	318.5
19. AMOEB Equation	$10^{-6} / AKW * [304.45 * JAN + 49.59 * JUN - 31.01 * OCT] + 9,111$						

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GULF POWER COMPANY

PERIOD OF: October 1993 - March 1994

CRIST 7	Oct '93	Nov '93	Dec '93	Jan '94	Feb '94	Mar '94	Total
1. EAF (%)	84.3	83.6	10.8	79.4	37.8	85.0	68.8
2. PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
3. SH	636.4	675.8	80.4	613.0	255.6	721.6	2982.8
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UN	108.6	44.2	663.6	131.0	416.4	22.4	1386.2
6. PCH	93.8	0.0	0.0	0.0	379.3	0.0	473.1
7. FCH	14.8	44.2	663.6	131.0	0.0	22.4	876.0
8. MCH	0.0	0.0	0.0	0.0	37.1	0.0	37.1
9. PFCM	36.8	68.2	0.0	105.2	14.7	123.6	346.5
10. LR pf (MW)	118.3	65.4	0.0	105.2	57.3	250.7	148.6
11. PFCM	0.0	100.8	0.0	0.0	0.0	159.0	259.8
12. LR pm (MW)	0.0	326.3	0.0	0.0	0.0	88.0	180.5
13. NSC (MW)	508.0	508.0	508.0	504.0	504.0	504.0	506.0
14. Oper MBtu	2616931	2588403	314064	2419772	994715	2694312	11628197
15. Net Gen (MWH)	255603	250762	28681	230454	95597	260406	1121503
16. AMCR (Btu/MBtu)	10238	10322	10950	10500	10605	10347	10368
17. MOF %	79.1	73.0	70.2	74.6	74.2	71.6	74.3
18. MPC (MW)	508.0	508.0	508.0	504.0	504.0	504.0	506.0
19. AMCR Equation	$10^{-6} / \text{AKW} * [-387.31 - 51.10 * \text{MAR} - 63.19 * \text{APR} + 89.56 * \text{JUL} + 41.72 * \text{NOV}]$ $+ 14,846 - 0.00855 * \text{LSRF} / \text{AKW}$						

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ACTUAL UNIT PERFORMANCE DATA

GALF POWER COMPANY

PERIOD OF: October 1993 - March 1994

SMITH 1	Oct '93	Nov '93	Dec '93	Jan '94	Feb '94	Mar '94	Total
1. EAF (%)	98.7	73.7	99.7	99.4	38.3	0.0	68.8
2. PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
3. SH	736.3	533.7	288.1	673.0	259.0	0.0	2490.1
4. RSH	0.0	0.0	455.9	71.0	0.0	0.0	526.9
5. UR	8.7	186.3	0.0	0.0	413.0	744.0	1352.0
6. PON	0.0	184.3	0.0	0.0	413.0	744.0	1341.3
7. PCH	8.7	2.0	0.0	0.0	0.0	0.0	10.7
8. MON	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PFOH	2.3	13.7	9.0	21.6	29.8	0.0	76.4
10. LR pf (MW)	63.4	35.0	39.0	33.9	9.6	0.0	25.5
11. PFOH	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. HSC (MW)	162.0	162.0	162.0	161.0	161.0	161.0	161.5
14. Oper MBtu	1139526	826913	314215	1055552	397408	0	3733614
15. Net Gen (MMW)	112163	79907	30532	101470	37863	0	361935
16. AMOER (Btu/KWH)	10160	10348	10291	10403	10496	0	10316
17. MOF %	96.0	92.4	65.4	93.6	90.8	0.0	90.0
18. MPC (MW)	162.0	162.0	162.0	161.0	161.0	161.0	161.5
19. AMOER Equation	$10^{-6} / \text{MW} * [132.66 - 14.65 * \text{MAY} - 15.15 * \text{OCT} - 15.57 * \text{NOV}]$ $\diamond 9,327$						

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ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: October 1993 - March 1994

UNIT 2	Oct '93	Nov '93	Dec '93	Jan '94	Feb '94	Mar '94	Total
1. EAF (%)	99.7	99.9	100.0	99.2	99.3	52.1	91.5
2. PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
3. SH	743.1	720.0	696.9	744.0	672.0	389.8	3765.8
4. RSH	0.0	0.0	247.1	0.0	0.0	0.0	247.1
5. LH	1.9	0.0	0.0	0.0	0.0	354.2	356.1
6. PCH	0.0	0.0	0.0	0.0	0.0	354.2	354.2
7. FCH	1.9	0.0	0.0	0.0	0.0	0.0	1.9
8. MCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PFOH	5.3	3.2	0.0	24.9	30.9	15.3	79.6
10. LR pf (MW)	21.0	16.9	0.0	27.9	31.1	30.6	28.8
11. PFOH	0.0	0.8	0.0	15.9	0.0	0.0	16.7
12. LR pm (MW)	0.0	24.0	0.0	29.1	0.0	0.0	28.9
13. HSC (MW)	191.0	191.0	191.0	191.0	191.0	191.0	191.0
14. Oper MBtu	1323974	1323181	563192	1341883	1200056	675612	6627890
15. Net Gen (MM)	128870	126961	52772	129553	116137	64781	619074
16. AMCR (Btu/MM)	10274	10422	10672	10358	10333	10429	10383
17. HOF %	90.8	92.3	55.6	91.2	90.5	87.0	86.1
18. HPC (MW)	191.0	191.0	191.0	191.0	191.0	191.0	191.0
19. AMCR Equation	$10^6 / ACW * (266.00 + 25.29 * MAR + 20.37 * AUG + 19.24 * SEP)$ $+ 6,876 + 0.00965 * LSRF / ACW$						

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ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: October 1993 - March 1994

DANIEL 1	Oct '93	Nov '93	Dec '93	Jan '94	Feb '94	Mar '94	Total
1. EAF (X)	82.6	100.0	100.0	98.3	63.9	0.0	76.2
2. PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
3. SH	52.4	352.6	0.0	619.0	431.1	0.0	1455.1
4. RSH	563.6	367.4	744.0	125.0	0.0	0.0	1800.0
5. LH	129.0	0.0	0.0	0.0	240.9	744.0	1113.9
6. PSH	0.0	0.0	0.0	0.0	240.9	744.0	984.9
7. FSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. HSH	129.0	0.0	0.0	0.0	0.0	0.0	129.0
9. PFSH	1.2	0.0	0.0	43.0	9.1	0.0	53.3
10. LR pf (MW)	180.0	0.0	0.0	121.0	33.9	0.0	107.5
11. PFSH	0.0	0.0	0.0	9.8	2.4	0.0	12.2
12. LR pm (MW)	0.0	0.0	0.0	109.2	148.0	0.0	116.8
13. HSC (MW)	510.0	510.0	510.0	492.0	430.0	430.0	480.3
14. Oper MBtu	121213	766230	0	1949533	1809752	0	4646728
15. Net Gen (MWH)	11466	72748	0	199528	179670	0	463412
16. AMOR (Btu/KWH)	10572	10533	0	9771	10073	0	10027
17. NOF %	62.9	60.5	0.0	65.5	96.9	0.0	66.3
18. MPC (MW)	510.0	510.0	510.0	492.0	430.0	430.0	480.3
19. AMOR Equation	$10^{-6} / AKW * [-126.63]$ $+ 12,409 - 0.00403 * LSRF / AKW$						

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Suspended:
Effective: May 20, 1994
Docket No.: 940001-E1
Order No.:

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: October 1993 - March 1994

DANIEL 2	Oct '93	Nov '93	Dec '93	Jan '94	Feb '94	Mar '94	Total
1. EAF (%)	98.9	99.4	100.0	65.2	0.0	65.1	72.5
2. PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
3. SH	592.4	59.4	0.0	94.5	0.0	503.7	1250.0
4. RSH	152.6	660.6	744.0	394.8	0.0	0.0	1952.0
5. UN	0.0	0.0	0.0	254.7	672.0	240.3	1167.0
6. PON	0.0	0.0	0.0	241.6	672.0	240.3	1153.9
7. FOM	0.0	0.0	0.0	13.1	0.0	0.0	13.1
8. MDM	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PPOH	19.7	10.3	0.0	3.3	0.0	184.3	217.6
10. LR pf (MW)	39.6	207.0	0.0	303.3	0.0	44.6	55.8
11. PPOH	30.3	0.0	0.0	4.5	0.0	0.0	34.8
12. LR pm (MW)	106.8	0.0	0.0	149.0	0.0	0.0	112.3
13. MSC (MW)	510.0	510.0	510.0	430.0	430.0	430.0	470.0
14. Oper MBtu	1831096	136443	0	328428	0	1987299	4283266
15. Net Gen (MMBtu)	181862	13272	0	32912	0	200085	428131
16. ANOHR (Btu/MMBtu)	10069	10281	0	9979	0	9932	10005
17. BOF %	60.2	43.8	0.0	81.0	0.0	92.4	72.9
18. MPC (MW)	510.0	510.0	510.0	430.0	430.0	430.0	470.0
19. ANOHR Equation	$10^{-6} / \text{MW} * [301.59 - 89.75 * \text{MAR} + 35.00 * \text{SEP}]$ $+ 9,242$						

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Planned Outage Schedules (Actual)

Period of: October 1993 - March 1994

Critical path bar charts of actual work activity performed during major planned outages are not shown here since corresponding bar charts of forecast work activity were not provided earlier in conformance with agreement with Staff to avoid the premature production of charts prior to their normal course of development. Forecast and actual critical path bar charts are developed for each planned outage and, per agreement with Staff, these charts will be provided on request.

Issued by: T. J. Bouden

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Schedule 5

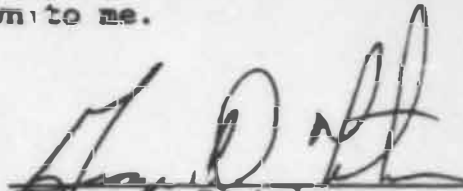
Filed: May 20, 1994
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Docket No.: 940001-E1
Order No.:

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 940001-EI

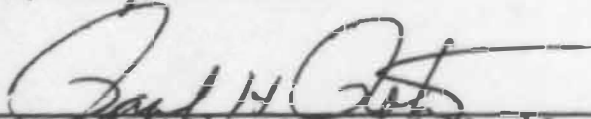
Before me the undersigned authority, personally appeared George D. Fontaine, who being first duly sworn, deposes, and says that he is the Performance Test Specialist of Gulf Power Company, a Maine Corporation, and that the foregoing is true and correct to the best of his knowledge, information, and belief. He is personally known to me.



George D. Fontaine
Performance Test Specialist

Sworn to and subscribed before me this 18 day of

May, 1994.



Notary Public, State of Florida at Large
PAUL H. ROBERTS
Commission Number: CC 036537
Commission Expires: 9/12/1994