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

GENERATING PERFORMANCE INCENTIVE FACTOR

RESULTS FOR

APRIL 1996 - SEPTEMBER 1996

Before

THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 960001-EI

GULF POWER COMPANY
Before the Florida Public Service Commission
Direct Testimony of
G. D. Fontaine
Docket No. 960001-EI
Date of Filing November 19, 1996

Q. Please state your name, address and occupation.

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

Q. Please describe your educational and business background.

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

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

A. Yes, sir.

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

A. The purpose of my testimony is to present GPIF results for Gulf Power Company for the period of April 1, 1996, through September 30, 1996.

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

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

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

A. Yes, it was.

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

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

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

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

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

A. Actual equivalent availability and adjusted actual equivalent availability figures for each of the Company's GPIF units are shown on page 13 of Schedule 5. Pages 3 through 8 of Schedule 2 contain the calculations for the adjusted actual equivalent availabilities.

A calculation of GPIF availability points based on these availabilities and the targets established by Commission Order PSC-96-0353-FOF-EI is on page 9 of Schedule 2. The results are: Crist 6, +10.00 points; Crist 7, +10.00 points; Smith 1, +10.00 points; Smith 2, +10.00 points; Daniel 1, +10.00 points, and Daniel 2, -10.00 points.

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

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

As was done for the prior GPIF periods, and as indicated on pages 8 through 13 of Schedule 3, the target setting equations were used to adjust actual results to the target bases. These equations, submitted in January 1996, are shown on page 15 of Schedule 3.

As calculated on page 16 of Schedule 3, the adjusted actual average net operating heat rates correspond to GPIF unit heat rate points of: +10.00 for Crist 6, +10.00 for Crist 7; 0.00 for Smith 1, 0.00 for Smith 2; -6.13 for Daniel 1; and -10.00 for Daniel 2.

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

A. Using the unit equivalent availability and heat rate points previously mentioned, along with the appropriate weighting factors, the Company points would be +0.95 as indicated on page 2 of Schedule 4. This calculated to a reward in the amount of $82,198.

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

A. Yes, Sir. In view of the adjusted actual equivalent availabilities, as shown on page 9 of Schedule 2, and the adjusted actual average net operating heat rates achieved, as shown on page 16 of Schedule 3, evidencing the Company's performance for the period, Gulf calculates a reward in the amount of $82,198 as provided for by the GPIF plan.

Q. Mr. Fontaine, does this conclude your testimony?

A. Yes, Sir.

Florida Public Service Commission
Docket No. 960001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. ___ (GDF-1)

EXHIBIT TO THE TESTIMONY OF

G. D. FONTAINE

IN FPSC DOCKET 960001-EI

I. CORRECTIONS TO REPORTED DATA FOR THE APRIL 1996 - SEPTEMBER 1996 PERIOD

Additions and Corrections to Outages Previously Reported
for the April 1996 - September 1996 Period

Date	Unit	Change	Outage Type	Hours	MW	Description
05/96	Daniel 1	LR pf	PFOH	116.9	41.3	Incorrectly Reported

Additions and Corrections to Heat Rate Previously Reported
for the April 1996 - September 1996 Period

Date	Unit	Change	Description
07/96	Daniel 1	Oper MBtu	Incorrectly Reported
04/96	Daniel 2	Oper MBtu	Incorrectly Reported

II. CALCULATIONS OF EQUIVALENT AVAILABILITY POINTS

Comparison of Forecast and Actual Planned Outages
for April 1996 - September 1996

Unit	Note	Forecast Planned Outage Schedule	Forecast Hours*	Actual Planned Outage Schedule	Actual Hours*
Crist 6	1	05/11/96 - 05/26/96	384.0	05/13/96 - 05/30/96	420.0
Crist 7	2	02/03/96 - 04/28/96	671.0	02/06/96 - 05/13/96	1028.0
Smith 1	3	04/06/96 - 04/21/96	383.0	04/05/96 - 04/20/96	354.5
Daniel 1	4	None	0.0	09/27/96 - 10/07/96	84.4

* Planned outage hours in the April 1996 - September 1996 period only.

Notes:

1. This outage proceeded as scheduled with some work requiring more time to complete than originally scheduled.
2. This outage proceeded as scheduled and was extended to complete work not anticipated prior to the beginning of the outage.
3. This outage proceeded as scheduled.
4. This outage was brought forward and was extended because of worse than anticipated equipment condition.

Calculation of Actual Equivalent Availability
for April 1996 - September 1996
Based on Target Planned Outage Hours
Crist 6

Results of Operations

	Apr	May	Jun	Jul	Aug	Sep	Total
FOH	0.0	0.0	14.1	0.0	0.0	0.0	14.1
EFOH	19.6	4.2	7.7	0.0	1.9	0.4	33.8
MOH	10.1	0.0	0.0	0.0	0.0	0.0	10.1
EMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
POH	0.0	420.0	0.0	0.0	0.0	0.0	420.0
RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$$1.\ EUOR = \frac{(FOH + EFOH + MOH + EMOH)}{(PH - POH - RSH)} = \frac{(14.1 + 33.8 + 10.1 + 0.0)}{(4391.0 - 420.0 - 0.0)}$$

EUOR = 0.0146

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

Target POH* = 384.0

Target RSH* = 0.0

$$EA = \left[1 - \frac{(384.0 + 0.0146\ (4391.0 - 384.0 - 0.0))}{4391.0} \right] \times 100 = 89.9\ \%$$

Note: Please refer to page 10 of this schedule for an explanation of symbols.

Calculation of Actual Equivalent Availability
for April 1996 - September 1996
Based on Target Planned Outage Hours
Crist 7

Results of Operations

	Apr	May	Jun	Jul	Aug	Sep	Total
FOH	0.0	3.1	49.0	118.5	8.8	33.0	212.4
EFOH	0.0	10.7	1.4	1.5	6.7	0.2	20.5
MOH	0.0	77.5	0.0	0.0	0.0	19.0	96.5
EMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
POH	719.0	309.0	0.0	0.0	0.0	0.0	1028.0
RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$$1.\ EUOR = \frac{(FOH + EFOH + MOH + EMOH)}{(PH - POH - RSH)} = \frac{(212.4 + 20.5 + 96.5 + 0.0)}{(4391.0 - 1028.0 - 0.0)}$$

EUOR = 0.0979

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

Target POH* = 671.0

Target RSH* = 0.0

$$EA = \left[1 - \frac{(671.0 + 0.0979\ (4391.0 - 671.0 - 0.0))}{4391.0} \right] \times 100 = 76.4\ \%$$

Note: Please refer to page 10 of this schedule for an explanation of symbols.

Calculation of Actual Equivalent Availability
for April 1996 - September 1996
Based on Target Planned Outage Hours
Smith 1

Results of Operations

	Apr	May	Jun	Jul	Aug	Sep	Total
FOH	0.0	0.0	8.2	0.0	0.0	0.0	8.2
EFOH	1.6	0.0	0.2	0.0	1.3	0.4	3.5
MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMOH	0.0	0.0	0.0	0.0	1.4	0.0	1.4
PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
POH	354.5	0.0	0.0	0.0	0.0	0.0	354.5
RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$$1.\ EUOR = \frac{(FOH + EFOH + MOH + EMOH)}{(PH - POH - RSH)} = \frac{(8.2 + 3.5 + 0.0 + 1.4)}{(4391.0 - 354.5 - 0.0)}$$

EUOR = 0.0032

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

Target POH* = 383.0

Target RSH* = 0.0

$$EA = \left[1 - \frac{(383.0 + 0.0032\ (4391.0 - 383.0 - 0.0))}{4391.0} \right] \times 100 = 91.0\ \%$$

Note: Please refer to page 10 of this schedule for an explanation of symbols.

Calculation of Actual Equivalent Availability
for April 1996 - September 1996
Based on Target Planned Outage Hours
Smith 2

Results of Operations

	Apr	May	Jun	Jul	Aug	Sep	Total
FOH	28.4	0.0	39.4	34.3	0.0	25.1	127.2
EFOH	2.7	0.0	0.0	0.0	0.0	0.0	2.7
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	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$$1.\ EUOR = \frac{(FOH + EFOH + MOH + EMOH)}{(PH - POH - RSH)} = \frac{(127.2 + 2.7 + 0.0 + 0.0)}{(4391.0 - 0.0 - 0.0)}$$

EUOR = 0.0296

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

Target POH* = 0.0

Target RSH* = 0.0

$$EA = \left[1 - \frac{(0.0 + 0.0296\ (4391.0 - 0.0 - 0.0))}{4391.0} \right] \times 100 = 97.0\ \%$$

Note: Please refer to page 10 of this schedule for an explanation of symbols.

Calculation of Actual Equivalent Availability
for April 1996 - September 1996
Based on Target Planned Outage Hours
Daniel 1

Results of Operations

	Apr	May	Jun	Jul	Aug	Sep	Total
FOH	0.0	0.0	0.0	30.7	0.0	0.0	30.7
EFOH	30.9	11.2	8.5	0.5	0.1	56.6	107.8
MOH	25.2	0.0	36.4	14.9	0.0	0.0	76.5
EMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
POH	0.0	0.0	0.0	0.0	0.0	84.4	84.4
RSH	117.7	0.0	0.0	0.0	0.0	0.0	117.7

$$1.\ EUOR = \frac{(FOH + EFOH + MOH + EMOH)}{(PH - POH - RSH)} = \frac{(30.7 + 107.8 + 76.5 + 0.0)}{(4391.0 - 84.4 - 117.7)}$$

EUOR = 0.0513

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

Target POH* = 0.0

Target RSH* = 0.0

$$EA = \left[1 - \frac{(0.0 + 0.0513\ (4391.0 - 0.0 - 0.0))}{4391.0} \right] \times 100 = 94.9\ \%$$

Note: Please refer to page 10 of this schedule for an explanation of symbols.

Calculation of Actual Equivalent Availability
for April 1996 - September 1996
Based on Target Planned Outage Hours
Daniel 2

Results of Operations

	Apr	May	Jun	Jul	Aug	Sep	Total
FOH	0.0	0.0	1.7	15.2	30.6	0.0	47.5
EFOH	25.4	0.7	8.7	3.2	0.2	8.4	46.6
MOH	137.1	104.3	0.0	0.0	0.0	0.0	241.4
EMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$$1.\ EUOR = \frac{(FOH + EFOH + MOH + EMOH)}{(PH - POH - RSH)} = \frac{(47.5 + 46.6 + 241.4 + 0.0)}{(4391.0 - 0.0 - 0.0)}$$

EUOR = 0.0764

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

Target POH* = 0.0

Target RSH* = 0.0

$$EA = \left[1 - \frac{(0.0 + 0.0764\ (4391.0 - 0.0 - 0.0))}{4391.0} \right] \times 100 = 92.4\ \%$$

Note: Please refer to page 10 of this schedule for an explanation of symbols.

Calculation of Equivalent Availability Points
for April 1996 - September 1996

(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	82.2	89.9	84.9	10.00
Crist 7	71.6	76.4	75.5	10.00
Smith 1	87.3	91.0	88.5	10.00
Smith 2	91.7	97.0	94.2	10.00
Daniel 1	92.8	94.9	94.9	10.00
Daniel 2	96.7	92.4	95.2	-10.00

* As appropriate from page 5, Schedule 3 of Exhibit to G. D. Fontaine's January 22, 1996 GPIF testimony in Docket 960001-EI.

** Refer to pages 3 through 8 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 GPIF UNIT HEAT RATE POINTS

Calculation of Average Net Operating Heat Rate Points
for April 1996 - September 1996

Crist 6

	Apr	May	Jun	Jul	Aug	Sep	Total
Pounds Coal (000's)	99907.3	45604.3	103935.9	121043.8	112721.7	110486.6	593699.6
BTU/Lb*	12089.2	12215.7	12069.0	11944.4	11961.5	11978.6	12021.0
Coal, MMBTU	1207799.3	557088.4	1254402.4	1445795.6	1348320.6	1323474.8	7136881.1
Oil, MMBTU	1065.0	371.8	1498.8	792.3	1526.3	1944.4	7198.6
Gas, MMBTU	1121.0	2146.0	1080.0	0.0	0.0	0.0	4347.0
Startup, MMBTU **	0.0	-4040.0	0.0	0.0	0.0	0.0	-4040.0
Total Fuel Consumption, MMBTU	1209985.3	555566.2	1256981.2	1446587.9	1349846.9	1325419.2	7144386.7
Net MWH Generation***	111026	51752	118762	137421	126993	125063	671017
Average Net Operating Heat Rate	10898	10735	10584	10527	10629	10598	10647

* 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 April 1996 - September 1996

Crist 7

	Apr	May	Jun	Jul	Aug	Sep	Total
Pounds Coal (000's)	0.0	80606.4	171077.5	179314.0	200257.5	177225.9	808481.3
BTU/Lb*	0.0	12301.1	12008.7	11979.0	11973.4	11976.5	12015.4
Coal, MMBTU	0.0	991547.4	2054332.8	2148002.4	2397763.2	2122546.0	9714191.8
Oil, MMBTU	0.0	2779.7	1207.6	845.6	558.6	1382.5	6774.0
Gas, MMBTU	0.0	17180.0	4167.0	3217.0	1647.0	2603.0	28814.0
Startup, MMBTU **	0.0	-4512.0	-2256.0	-2256.0	0.0	-2256.0	-11280.0
Total Fuel Consumption, MMBTU	0.0	1006995.1	2057451.4	2149809.0	2399968.8	2124275.5	9738499.8
Net MWH Generation***	0	95968	199082	206763	230728	203282	935823
Average Net Operating Heat Rate	---	10493	10335	10397	10402	10450	10406

* 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 April 1996 - September 1996

Smith 1

	Apr	May	Jun	Jul	Aug	Sep	Total
Pounds Coal (000's)	47324.6	99027.7	95104.0	102779.8	97864.2	88588.2	530688.5
BTU/Lb*	11635.0	11447.7	11503.0	11534.5	11777.0	11899.3	11627.2
Coal, MMBTU	550621.7	1133639.4	1093981.3	1185513.6	1152546.7	1054137.6	6170440.3
Oil, MMBTU	1522.5	295.8	847.5	103.0	311.1	298.1	3378.0
Gas, MMBTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Startup, MMBTU **	-964.0	0.0	0.0	0.0	0.0	0.0	-964.0
Total Fuel Consumption, MMBTU	551180.2	1133935.2	1094828.8	1185616.6	1152857.8	1054435.7	6172854.3
Net MWH Generation***	53346	111049	106893	116223	112275	103062	602848
Average Net Operating Heat Rate	10332	10211	10242	10201	10268	10231	10239

* 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 April 1996 - September 1996

Smith 2

	Apr	May	Jun	Jul	Aug	Sep	Total
Pounds Coal (000's)	108415.5	113383.7	103976.5	114604.5	115389.7	97503.6	653273.5
BTU/Lb*	11499.5	11385.0	11398.3	11454.9	11649.0	11794.1	11526.1
Coal, MMBTU	1246724.0	1290873.4	1185155.3	1312783.1	1344174.6	1149967.2	7529677.6
Oil, MMBTU	1199.0	377.4	1125.8	1924.3	372.2	1435.1	6433.8
Gas, MMBTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Startup, MMBTU **	-1190.0	0.0	-1190.0	0.0	0.0	-1190.0	-3570.0
Total Fuel Consumption, MMBTU	1246733.0	1291250.8	1185091.1	1314707.4	1344546.8	1150212.3	7532541.4
Net MWH Generation***	120132	126132	115362	126350	128001	110608	726585
Average Net Operating Heat Rate	10378	10237	10273	10405	10504	10399	10367

* 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 Point
for April 1996 - September 1996

Daniel 1

	Apr	May	Jun	Jul	Aug	Sep	Total
Pounds Coal (000's)	238480.3	318111.5	262824.0	232323.3	237073.2	238434.6	1527246.9
BTU/Lb*	9306.3	9309.4	9822.6	11232.5	11250.2	9901.4	10083.5
Coal, MMBTU	2219369.2	2961427.2	2581615.0	2609571.5	2667120.9	2360836.3	15399940.1
Oil, MMBTU	3803.6	14.2	457.9	4658.0	4.4	156.4	9094.5
Gas, MMBTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Startup, MMBTU **	-2388.7	0.0	0.0	-4777.4	0.0	0.0	-7166.1
Total Fuel Consumption, MMBTU	2220784.1	2961441.4	2582072.9	2609452.1	2667125.3	2360992.7	15401868.5
Net MWH Generation***	212538	282306	246307	257177	256653	221119	1476100
Average Net Operating Heat Rate	10449	10490	10483	10147	10392	10677	10434

* 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 April 1996 - September 1996

Daniel 2

	Apr	May	Jun	Jul	Aug	Sep	Total
Pounds Coal (000's)	240979.6	265982.0	248534.7	227852.0	207560.5	285403.1	1176311.9
BTU/Lb*	9314.1	9309.3	9838.4	11233.6	11212.8	9685.5	10036.5
Coal, MMBTU	2244508.1	2476106.2	2445183.8	2559598.2	2327334.4	2764271.7	14817002.4
Oil, MMBTU	12520.9	11764.2	1575.4	5889.9	1391.8	3.5	33145.7
Gas, MMBTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Startup, MMBTU **	-2388.7	-4777.4	0.0	0.0	-2388.7	0.0	-9554.8
Total Fuel Consumption, MMBTU	2254640.3	2483093.0	2446759.2	2565488.1	2326337.5	2764275.2	14840593.3
Net MWH Generation***	213411	236237	232659	247472	222964	258132	1410875
Average Net Operating Heat Rate	10565	10511	10517	10367	10434	10709	10519

* 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 April 1996 - September 1996
Adjusted to Target Basis Using Heat Rate
Equations Filed January 22, 1996

Crist 6

		Apr	May	Jun	Jul	Aug	Sep	Apr - Sep
1.	Target Heat Rate*	10511	10845	10507	10670	10640	10535	
2.	Target Heat Rate at Actual Conditions**	10905	11108	11039	10991	11139	11008	
3.	Adjustment to Actual Heat Rate (1-2)	-394	-263	-532	-321	-499	-473	
4.	Actual Heat Rate (Page 2 of Sched. 3)	10898	10735	10584	10527	10629	10598	
5.	Adjusted Actual Heat Rate (4+3)	10504	10472	10052	10206	10130	10125	
6.	Net MWH Generation	111026	51752	118762	137421	126993	125063	
7.	Adjusted Actual Heat Rate for April 1996 - September 1996 $=(\Sigma(5*6)/\Sigma 6)$							10219

* From page 18, schedule 3 of Exhibit to G. D. Fontaine's January 22, 1996 GPIF 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 April 1996 - September 1996
Adjusted to Target Basis Using Heat Rate
Equations Filed January 22, 1996

Crist 7

		Apr	May	Jun	Jul	Aug	Sep	Apr - Sep
1.	Target Heat Rate*	10523	10745	10376	10619	10577	10285	
2.	Target Heat Rate at Actual Conditions**	10523	10969	10722	10738	10795	10578	
3.	Adjustment to Actual Heat Rate (1-2)	0	-224	-346	-119	-218	-293	
4.	Actual Heat Rate (Page 3 of Sched. 3)	0	10493	10335	10397	10402	10450	
5.	Adjusted Actual Heat Rate (4+3)	0	10269	9989	10278	10184	10157	
6.	Net MWH Generation	0	95968	199082	206763	230728	203282	
7.	Adjusted Actual Heat Rate for April 1996 - September 1996 $=(\Sigma(5*6)/\Sigma 6)$							10166

* From page 19, schedule 3 of Exhibit to G. D. Fontaine's January 22, 1996 GPIF 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 April 1996 - September 1996
Adjusted to Target Basis Using Heat Rate
Equations Filed January 22, 1996

Smith 1

		Apr	May	Jun	Jul	Aug	Sep	Apr - Sep
1.	Target Heat Rate*	10253	10272	10202	10199	10189	10228	
2.	Target Heat Rate at Actual Conditions**	10202	10190	10187	10165	10184	10215	
3.	Adjustment to Actual Heat Rate (1-2)	51	82	15	34	5	13	
4.	Actual Heat Rate (Page 4 of Sched. 3)	10332	10211	10242	10201	10268	10231	
5.	Adjusted Actual Heat Rate (4+3)	10383	10293	10257	10235	10273	10244	
6.	Net MWH Generation	53346	111049	106893	116223	112275	103062	
7.	Adjusted Actual Heat Rate for April 1996 - September 1996 $=(\Sigma(5*6)/\Sigma 6)$							10271

* From page 20, schedule 3 of Exhibit to G. D. Fontaine's January 22, 1996 GPIF 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 April 1996 - September 1996
Adjusted to Target Basis Using Heat Rate
Equations Filed January 22, 1996

Smith 2

		Apr	May	Jun	Jul	Aug	Sep	Apr - Sep
1.	Target Heat Rate*	10587	10415	10598	10314	10301	10361	
2.	Target Heat Rate at Actual Conditions**	10425	10283	10535	10254	10274	10322	
3.	Adjustment to Actual Heat Rate (1-2)	162	132	63	60	27	39	
4.	Actual Heat Rate (Page 5 of Sched. 3)	10378	10237	10273	10405	10504	10399	
5.	Adjusted Actual Heat Rate (4+3)	10540	10369	10336	10465	10531	10438	
6.	Net MWH Generation	120132	126132	115362	126350	128001	110608	
7.	Adjusted Actual Heat Rate for April 1996 - September 1996 =(Σ(5*6)/Σ6)							10448

* From page 21, schedule 3 of Exhibit to G. D. Fontaine's January 22, 1996 GPIF 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 April 1996 - September 1996
Adjusted to Target Basis Using Heat Rate
Equations Filed January 22, 1996

Daniel 1

		Apr	May	Jun	Jul	Aug	Sep	Apr - Sep
1.	Target Heat Rate*	10216	10991	10658	10416	10447	10670	
2.	Target Heat Rate at Actual Conditions**	10390	10296	10316	10135	10163	10553	
3.	Adjustment to Actual Heat Rate (1-2)	-174	695	342	281	284	117	
4.	Actual Heat Rate (Page 6 of Sched. 3)	10449	10490	10483	10147	10392	10677	
5.	Adjusted Actual Heat Rate (4+3)	10275	11185	10825	10428	10676	10794	
6.	Net MWH Generation	212538	282306	246307	257177	256653	221119	
7.	Adjusted Actual Heat Rate for April 1996 - September 1996 $=(\Sigma(5*6)/\Sigma 6)$							10715

* From page 22, schedule 3 of Exhibit to G. D. Fontaine's January 22, 1996 GPIF 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 April 1996 - September 1996
Adjusted to Target Basis Using Heat Rate
Equations Filed January 22, 1996

Daniel 2

	Apr	May	Jun	Jul	Aug	Sep	Apr - Sep
1. Target Heat Rate*	9942	10592	10272	10276	10352	10565	
2. Target Heat Rate at Actual Conditions**	10016	9937	10080	10143	10295	10183	
3. Adjustment to Actual Heat Rate (1-2)	-74	655	192	133	57	382	
4. Actual Heat Rate (Page 7 of Sched. 3)	10565	10511	10517	10367	10434	10709	
5. Adjusted Actual Heat Rate (4+3)	10491	11166	10709	10500	10491	11091	
6. Net MWH Generation	213411	236237	232659	247472	222964	258132	
7. Adjusted Actual Heat Rate for April 1996 - September 1996 $=(\Sigma(5*6)/\Sigma 6)$							10751

* From page 23, schedule 3 of Exhibit to G. D. Fontaine's January 22, 1996 GPIF 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.

Actual Values of
Target Heat Rate Equation Parameters
for April 1996 - September 1996

	Apr	May	Jun	Jul	Aug	Sep
Crist 6						
AKW * 10^{+3}	156.6	159.7	168.2	184.7	170.7	173.7
LSRF * 10^{+6}	27866.3	29019.1	32111.9	39127.8	33527.2	36372.0
Crist 7						
AKW * 10^{+3}	0.0	270.8	296.7	330.6	313.8	304.3
LSRF * 10^{+6}	0.0	85344.3	101510.0	125003.9	114627.3	110237.4
Smith 1						
AKW * 10^{+3}	146.4	149.2	150.2	156.2	150.9	143.1
LSRF * 10^{+6}	22171.4	22771.1	23048.5	24526.5	23123.7	21348.7
Smith 2						
AKW * 10^{+3}	174.0	169.5	169.5	178.0	172.0	159.2
LSRF * 10^{+6}	31130.2	29838.7	29861.4	32219.6	30511.0	27217.0
Daniel 1						
AKW * 10^{+3}	368.9	379.4	360.3	368.2	345.0	347.9
LSRF * 10^{+6}	144093.6	154596.3	144161.9	158417.1	145003.5	125273.0
Daniel 2						
AKW * 10^{+3}	366.7	369.3	323.9	339.6	312.5	358.5
LSRF * 10^{+6}	149731.4	155349.3	125865.4	140316.2	122699.8	145614.9

Target Heat Rate Equations

Crist 6 ANOHR = 10^6 / AKW * [290.50 + 38.19 * MAY + 44.09 * JUN + 67.96 * JUL + 66.17 * AUG + 49.61 * SEP - 32.60 * OCT]

+ 9,050

Crist 7 ANOHR = 10^6 / AKW * [412.46 + 60.48 * MAY + 32.35 * JUN + 88.25 * JUL + 80.78 * AUG - 35.01 * OCT]

+ 9,223

Smith 1 ANOHR = 10^6 / AKW * [85.72 + 13.65 * JAN]

+ 9,616

Smith 2 ANOHR = 10^6 / AKW * [101.34 + 27.35 * APR + 42.71 * JUN]

+ 9,685

Daniel 1 ANOHR = 10^6 / AKW * [-195.70 - 65.61 * JAN]

+ 13,416 - 0.00639 * LSRF / AKW

Daniel 2 ANOHR = 10^6 / AKW * [-192.43 + 68.36 * JUL + 82.43 * AUG + 58.95 * SEP - 48.31 * OCT]

+ 13,293 - 0.00674 * LSRF / AKW

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 April 1996 - September 1996

(1)	(2)	(3)	(4)	(5)
Unit	Actual Average Average Net Operating Heat Rate Target*	Net Operating Heat Rate Adjusted to Target Basis**	Minimum Attainable Heat Rate*	Heat Rate Points***
Crist 6	10597	10219	10279	10.00
Crist 7	10500	10166	10185	10.00
Smith 1	10219	10271	9912	0.00
Smith 2	10422	10448	10109	0.00
Daniel 1	10493	10715	10178	-6.13
Daniel 2	10280	10751	9972	-10.00

* From page 5, Schedule 3 of Exhibit to G. D. Fontaine's January 22, 1996 GPIF testimony in Docket 960001-EI.

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

*** If [(2) - 75] <= (3) <= [(2) + 75] then points = 0

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

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

IV. CALCULATION OF COMPANY GPIF POINTS AND REWARD/PENALTY

Calculation of Heat Rate Points

GPIF Points and Reward or Penalty

for April 1996 - September 1996

Unit	Availability Points	Availability* Weighting Factor	Heat Rate Points	Heat Rate* Weighting Factor
Crist 6	10.00	0.007	10.00	0.145
Crist 7	10.00	0.012	10.00	0.227
Smith 1	10.00	0.007	0.00	0.085
Smith 2	10.00	0.008	0.00	0.097
Daniel 1	10.00	0.015	-6.13	0.180
Daniel 2	-10.00	0.017	-10.00	0.199

Company GPIF Points = + 10.00 * 0.007 + 10.00 * 0.145
+ 10.00 * 0.012 + 10.00 * 0.227
+ 10.00 * 0.007 + 0.00 * 0.085
+ 10.00 * 0.008 + 0.00 * 0.097
+ 10.00 * 0.015 - 6.13 * 0.180
- 10.00 * 0.017 - 10.00 * 0.199

0.95

Company reward/penalty = 0.95 points * $86525 per point

= $82,198

* From page 5, Schedule 3 of Exhibit to G. D. Fontaine's January 22, 1996 GPIF testimony in Docket 960001-EI.

V. GPIF MINIMUM FILING REQUIREMENTS FOR THE APRIL 1996 - SEPTEMBER 1996 PERIOD

Generating Performance Incentive Factor

Actual Reward/Penalty Table

Gulf Power Company

Period of: April 1996 - September 1996

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	3246	865
+ 9	2921	779
+ 8	2597	692
+ 7	2272	606
+ 6	1948	519
+ 5	1623	433
+ 4	1298	346
+ 3	974	260
+ 2	649	173
+ 1	325	87
0	0	0
- 1	-339	-87
- 2	-677	-173
- 3	-1016	-260
- 4	-1354	-346
- 5	-1693	-433
- 6	-2031	-519
- 7	-2370	-606
- 8	-2708	-692
- 9	-3047	-779
- 10	-3385	-865
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

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Generating Performance Incentive Factor

Calculation of Maximum Allowed Incentive Dollars

Actual

Gulf Power Company

Period of: April 1996 - September 1996

Line 1	Beginning of Period Balance of Common Equity	$435,199,552
	End of Month Balance of Common Equity:	
Line 2	Month of Apr '96	$422,219,943
Line 3	Month of May '96	$429,290,526
Line 4	Month of Jun '96	$435,350,705
Line 5	Month of Jul '96	$430,429,125
Line 6	Month of Aug '96	$440,291,768
Line 7	Month of Sep '96	$446,672,332
Line 8	Average Common Equity for the Period (sum of line 1 through line 7 divided by 7)	$434,207,707
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)	$897,830
Line 12	Jurisdictional Sales (KWH)	4,765,989,890
Line 13	Total Territorial Sales (KWH)	4,945,466,890
Line 14	Jurisdictional Separation Factor (line 12 divided by line 13)	96.3709%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (line 11 multiplied by line 14)	$865,247

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Order No.:

Calculation of System Actual GPIF Points

Gulf Power Company

Period of: April 1996 - September 1996

Plant & Unit	Performance Indicator (EAF or ANOHR)	Weighting Factor	Unit Points	Weighted Unit Points
Crist 6	EAF1	0.7%	10.00	0.070
Crist 6	ANOHR1	14.5%	10.00	1.450
Crist 7	EAF2	1.2%	10.00	0.120
Crist 7	ANOHR2	22.7%	10.00	2.270
Smith 1	EAF3	0.7%	10.00	0.070
Smith 1	ANOHR3	8.5%	0.00	0.000
Smith 2	EAF4	0.8%	10.00	0.080
Smith 2	ANOHR4	9.7%	0.00	0.000
Daniel 1	EAF5	1.5%	10.00	0.150
Daniel 1	ANOHR5	18.0%	-6.13	-1.103
Daniel 2	EAF6	1.7%	-10.00	-0.170
Daniel 2	ANOHR6	19.9%	-10.00	-1.990
Gulf Power GPIF Total		99.9%		0.95

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Suspended:
Effective: November 19, 1996
Docket No.: 960001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1996 - September 1996

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	22	84.90	+ 10	471	10,279
+ 9	20	84.63	+ 9	424	10,303
+ 8	18	84.36	+ 8	377	10,328
+ 7	15	84.09	+ 7	330	10,352
+ 6	13	83.82	+ 6	283	10,376
+ 5	11	83.55	+ 5	236	10,401
+ 4	9	83.28	+ 4	188	10,425
+ 3	7	83.01	+ 3	141	10,449
+ 2	4	82.74	+ 2	94	10,473
+ 1	2	82.47	+ 1	47	10,498
				0	10,522
0	0	82.20	0	0	10,597
				0	10,672
- 1	(3)	81.80	- 1	(47)	10,696
- 2	(6)	81.40	- 2	(94)	10,721
- 3	(9)	81.00	- 3	(141)	10,745
- 4	(12)	80.60	- 4	(188)	10,769
- 5	(16)	80.20	- 5	(236)	10,794
- 6	(19)	79.80	- 6	(283)	10,818
- 7	(22)	79.40	- 7	(330)	10,842
- 8	(25)	79.00	- 8	(377)	10,866
- 9	(28)	78.60	- 9	(424)	10,891
- 10	(31)	78.20	- 10	(471)	10,915
Weighting Factor:		0.007	Weighting Factor:		0.145

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Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1996 - September 1996

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	38	75.50	+ 10	736	10,185
+ 9	34	75.11	+ 9	662	10,209
+ 8	30	74.72	+ 8	589	10,233
+ 7	27	74.33	+ 7	515	10,257
+ 6	23	73.94	+ 6	442	10,281
+ 5	19	73.55	+ 5	368	10,305
+ 4	15	73.16	+ 4	294	10,329
+ 3	11	72.77	+ 3	221	10,353
+ 2	8	72.38	+ 2	147	10,377
+ 1	4	71.99	+ 1	74	10,401
				0	10,425
0	0	71.60	0	0	10,500
				0	10,575
- 1	(6)	71.00	- 1	(74)	10,599
- 2	(12)	70.40	- 2	(147)	10,623
- 3	(18)	69.80	- 3	(221)	10,647
- 4	(24)	69.20	- 4	(294)	10,671
- 5	(30)	68.60	- 5	(368)	10,695
- 6	(35)	68.00	- 6	(442)	10,719
- 7	(41)	67.40	- 7	(515)	10,743
- 8	(47)	66.80	- 8	(589)	10,767
- 9	(53)	66.20	- 9	(662)	10,791
- 10	(59)	65.60	- 10	(736)	10,815
Weighting Factor:		0.012	Weighting Factor:		0.227

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Docket No.: 960001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1996 - September 1996

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	24	88.50	+ 10	277	9,912
+ 9	22	88.38	+ 9	249	9,935
+ 8	19	88.26	+ 8	222	9,958
+ 7	17	88.14	+ 7	194	9,982
+ 6	14	88.02	+ 6	166	10,005
+ 5	12	87.90	+ 5	139	10,028
+ 4	10	87.78	+ 4	111	10,051
+ 3	7	87.66	+ 3	83	10,074
+ 2	5	87.54	+ 2	55	10,098
+ 1	2	87.42	+ 1	28	10,121
				0	10,144
0	0	87.30	0	0	10,219
				0	10,294
- 1	(3)	87.12	- 1	(28)	10,317
- 2	(5)	86.94	- 2	(55)	10,340
- 3	(8)	86.76	- 3	(83)	10,364
- 4	(10)	86.58	- 4	(111)	10,387
- 5	(13)	86.40	- 5	(139)	10,410
- 6	(15)	86.22	- 6	(166)	10,433
- 7	(18)	86.04	- 7	(194)	10,456
- 8	(20)	85.86	- 8	(222)	10,480
- 9	(23)	85.68	- 9	(249)	10,503
- 10	(25)	85.50	- 10	(277)	10,526
Weighting Factor:		0.007	Weighting Factor:		0.085

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Suspended:
Effective: November 19, 1996
Docket No.: 960001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1996 - September 1996

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	26	94.20	+ 10	316	10,109
+ 9	23	93.95	+ 9	284	10,133
+ 8	21	93.70	+ 8	253	10,157
+ 7	18	93.45	+ 7	221	10,180
+ 6	16	93.20	+ 6	190	10,204
+ 5	13	92.95	+ 5	158	10,228
+ 4	10	92.70	+ 4	126	10,252
+ 3	8	92.45	+ 3	95	10,276
+ 2	5	92.20	+ 2	63	10,299
+ 1	3	91.95	+ 1	32	10,323
				0	10,347
0	0	91.70	0	0	10,422
				0	10,497
- 1	(4)	91.33	- 1	(32)	10,521
- 2	(9)	90.96	- 2	(63)	10,545
- 3	(13)	90.59	- 3	(95)	10,568
- 4	(17)	90.22	- 4	(126)	10,592
- 5	(22)	89.85	- 5	(158)	10,616
- 6	(26)	89.48	- 6	(190)	10,640
- 7	(30)	89.11	- 7	(221)	10,664
- 8	(34)	88.74	- 8	(253)	10,687
- 9	(39)	88.37	- 9	(284)	10,711
- 10	(43)	88.00	- 10	(316)	10,735
Weighting Factor:		0.008	Weighting Factor:		0.097

Issued by: T. J. Bowden

Filed: November 19, 1996
Suspended:
Effective: November 19, 1996
Docket No.: 960001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1996 - September 1996

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	50	94.90	+ 10	583	10,178
+ 9	45	94.69	+ 9	525	10,202
+ 8	40	94.48	+ 8	466	10,226
+ 7	35	94.27	+ 7	408	10,250
+ 6	30	94.06	+ 6	350	10,274
+ 5	25	93.85	+ 5	292	10,298
+ 4	20	93.64	+ 4	233	10,322
+ 3	15	93.43	+ 3	175	10,346
+ 2	10	93.22	+ 2	117	10,370
+ 1	5	93.01	+ 1	58	10,394
				0	10,418
0	0	92.80	0	0	10,493
				0	10,568
- 1	(8)	92.47	- 1	(58)	10,592
- 2	(15)	92.14	- 2	(117)	10,616
- 3	(23)	91.81	- 3	(175)	10,640
- 4	(31)	91.48	- 4	(233)	10,664
- 5	(39)	91.15	- 5	(292)	10,688
- 6	(46)	90.82	- 6	(350)	10,712
- 7	(54)	90.49	- 7	(408)	10,736
- 8	(62)	90.16	- 8	(466)	10,760
- 9	(69)	89.83	- 9	(525)	10,784
- 10	(77)	89.50	- 10	(583)	10,808
Weighting Factor:		0.015	Weighting Factor:		0.180

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Filed: November 19, 1996
Suspended:
Effective: November 19, 1996
Docket No.: 960001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1996 - September 1996

Daniel 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	56	97.70	+ 10	647	9,972
+ 9	50	97.60	+ 9	582	9,995
+ 8	45	97.50	+ 8	518	10,019
+ 7	39	97.40	+ 7	453	10,042
+ 6	34	97.30	+ 6	388	10,065
+ 5	28	97.20	+ 5	324	10,089
+ 4	22	97.10	+ 4	259	10,112
+ 3	17	97.00	+ 3	194	10,135
+ 2	11	96.90	+ 2	129	10,158
+ 1	6	96.80	+ 1	65	10,182
				0	10,205
0	0	96.70	0	0	10,280
				0	10,355
- 1	(12)	96.55	- 1	(65)	10,378
- 2	(24)	96.40	- 2	(129)	10,402
- 3	(36)	96.25	- 3	(194)	10,425
- 4	(48)	96.10	- 4	(259)	10,448
- 5	(60)	95.95	- 5	(324)	10,472
- 6	(72)	95.80	- 6	(388)	10,495
- 7	(84)	95.65	- 7	(453)	10,518
- 8	(96)	95.50	- 8	(518)	10,541
- 9	(108)	95.35	- 9	(582)	10,565
- 10	(120)	95.20	- 10	(647)	10,588
Weighting Factor:		0.017	Weighting Factor:		0.199

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Filed: November 19, 1996
Suspended:
Effective: November 19, 1996
Docket No.: 960001-EI
Order No.:

GPIF Unit Performance Summary .

Gulf Power Company

Period of: April 1996 - September 1996

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range Max %	EAF Range Min %	Max Fuel Savings ($000)	Max Fuel Loss ($000)	EAF Adjusted Actual %	Actual Fuel Savings/ Loss ($000)
Crist 6	0.7	82.2	84.9	78.2	22	-31	89.9	$22
Crist 7	1.2	71.6	75.5	65.6	38	-59	76.4	$38
Smith 1	0.7	87.3	88.5	85.5	24	-25	91.0	$24
Smith 2	0.8	91.7	94.2	88.0	26	-43	97.0	$26
Daniel 1	1.5	92.8	94.9	89.5	50	-77	94.9	$50
Daniel 2	1.7	96.7	97.7	95.2	56	-120	92.4	($120)
Total:	6.6							

Plant & Unit	Weighting Factor %	ANOHR Target BTU/KWH	Target NOF	ANOHR Range Max BTU/KWH	ANOHR Range Min BTU/KWH	Max Fuel Savings ($000)	Max Fuel Loss ($000)	ANOHR Adjusted Actual BTU/KWH	Actual Fuel Savings/ Loss ($000)
Crist 6	14.5	10,597	68.7	10,915	10,279	$471	($471)	10,219	$471
Crist 7	22.7	10,500	72.1	10,815	10,185	$736	($736)	10,166	$736
Smith 1	8.5	10,219	88.2	10,526	9,912	$277	($277)	10,271	$0
Smith 2	9.7	10,422	79.9	10,735	10,109	$316	($316)	10,448	$0
Daniel 1	18.0	10,493	57.8	10,808	10,178	$583	($583)	10,715	($357)
Daniel 2	19.9	10,280	62.0	10,588	9,972	$647	($647)	10,751	($647)
Total:	93.3								

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Filed: November 19, 1996
Suspended:
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Docket No.: 960001-EI
Order No.:

Actual Unit Performance Data

Gulf Power Company

Period of: April 1996 - September 1996

Plant & Unit	Actual EAF %	Adjustments* to EAF %	Adjusted Actual %
Crist 6	89.1	0.8	89.9
Crist 7	69.1	7.3	76.4
Smith 1	91.6	-0.6	91.0
Smith 2	97.0	0.0	97.0
Daniel 1	93.3	1.6	94.9
Daniel 2	92.4	0.0	92.4

Plant & Unit	Actual ANOHR BTU/KWH	Adjustments** to ANOHR BTU/KWH	ANOHR Adjusted Actual BTU/KWH
Crist 6	10,647	-428	10,219
Crist 7	10,406	-240	10,166
Smith 1	10,239	32	10,271
Smith 2	10,367	81	10,448
Daniel 1	10,434	281	10,715
Daniel 2	10,519	232	10,751

* Refer to pages 3 through 8, Schedule 2.

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

Issued by: T. J. Bowden

Filed: November 19, 1996
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Order No.:

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1996 - September 1996

	CRIST 6	Apr '96	May '96	Jun '96	Jul '96	Aug '96	Sep '96	Total
1.	EAF (%)	95.9	43.0	97.0	100.0	99.7	99.9	89.1
2.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3.	SH	708.9	324.0	705.9	744.0	744.0	720.0	3946.8
4.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	UH	10.1	420.0	14.1	0.0	0.0	0.0	444.2
6.	POH	0.0	420.0	0.0	0.0	0.0	0.0	420.0
7.	FOH	0.0	0.0	14.1	0.0	0.0	0.0	14.1
8.	MOH	10.1	0.0	0.0	0.0	0.0	0.0	10.1
9.	PFOH	71.2	10.1	25.7	0.0	6.2	1.5	114.7
10.	LR pf (MW)	87.4	132.0	95.4	0.0	97.0	80.7	93.6
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)	317.0	317.0	317.0	317.0	317.0	317.0	317.0
14.	Oper MBtu	1209985	555566	1256981	1446588	1349847	1325419	7144386
15.	Net Gen (MWH)	111026	51752	118762	137421	126993	125063	671017
16.	ANOHR (Btu/KWH)	10898	10735	10584	10527	10629	10598	10647
17.	NOF %	49.4	50.4	53.1	58.3	53.8	54.8	53.6
18.	NPC (MW)	317.0	317.0	317.0	317.0	317.0	317.0	317.0

19.	ANOHR Equation	10^6 / AKW * [290.50 + 38.19 * MAY + 44.09 * JUN + 67.96 * JUL + 66.17 * AUG + 49.61 * SEP - 32.60 * OCT] + 9,050

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Docket No.: 960001-EI
Order No.:

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD Of: April 1996 - September 1996

	CRIST 7	Apr '96	May '96	Jun '96	Jul '96	Aug '96	Sep '96	Total
1.	EAF (%)	0.0	46.2	93.0	83.9	97.9	92.8	69.1
2.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3.	SH	0.0	354.4	671.0	625.5	735.2	668.0	3054.1
4.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	UH	719.0	389.6	49.0	118.5	8.8	52.0	1336.9
6.	POH	719.0	309.0	0.0	0.0	0.0	0.0	1028.0
7.	FOH	0.0	3.1	49.0	118.5	8.8	33.0	212.4
8.	MOH	0.0	77.5	0.0	0.0	0.0	19.0	96.5
9.	PFOH	0.0	50.3	8.1	6.9	28.9	1.2	95.4
10.	LR pf (MW)	0.0	107.7	85.5	107.0	117.5	81.6	108.4
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)	504.0	504.0	504.0	504.0	504.0	504.0	504.0
14.	Oper MBtu	0	1006995	2057451	2149809	2399969	2124275	9738499
15.	Net Gen (MWH)	0	95968	199082	206763	230728	203282	935823
16.	ANOHR (Btu/KWH)	0	10493	10335	10397	10402	10450	10406
17.	NOF %	0.0	53.7	58.9	65.6	62.3	60.4	60.8
18.	NPC (MW)	504.0	504.0	504.0	504.0	504.0	504.0	504.0

19.	ANOHR Equation	10^6 / AKW * [412.46 + 60.48 * MAY + 32.35 * JUN + 88.25 * JUL + 80.78 * AUG - 35.01 * OCT] + 9,223

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Docket No.: 960001-EI
Order No.:

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1996 - September 1996

	SMITH 1	Apr '96	May '96	Jun '96	Jul '96	Aug '96	Sep '96	Total
1.	EAF (%)	50.5	100.0	98.8	100.0	99.6	100.0	91.6
2.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3.	SH	364.5	744.0	711.8	744.0	744.0	720.0	4028.3
4.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	UH	354.5	0.0	8.2	0.0	0.0	0.0	362.7
6.	POH	354.5	0.0	0.0	0.0	0.0	0.0	354.5
7.	FOH	0.0	0.0	8.2	0.0	0.0	0.0	8.2
8.	MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	PFOH	4.9	4.2	1.0	0.0	5.3	7.5	22.9
10.	LR pf (MW)	51.8	1.0	26.0	0.0	39.2	7.6	24.0
11.	PMOH	0.0	0.0	0.0	0.0	6.2	0.0	6.2
12.	LR pm (MW)	0.0	0.0	0.0	0.0	36.0	0.0	36.0
13.	NSC (MW)	161.0	161.0	161.0	161.0	161.0	161.0	161.0
14.	Oper MBtu	551180	1133935	1094829	1185617	1152858	1054436	6172855
15.	Net Gen (MWH)	53346	111049	106893	116223	112275	103062	602848
16.	ANOHR (Btu/KWH)	10332	10211	10242	10201	10268	10231	10239
17.	NOF %	90.9	92.7	93.3	97.0	93.7	88.9	93.0
18.	NPC (MW)	161.0	161.0	161.0	161.0	161.0	161.0	161.0

19.	ANOHR Equation	10^6 / AKW * [85.72 + 13.65 * JAN] + 9,616

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Docket No.: 960001-EI
Order No.:

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1996 - September 1996

	SMITH 2	Apr '96	May '96	Jun '96	Jul '96	Aug '96	Sep '96	Total
1.	EAF (%)	95.7	100.0	94.5	95.4	100.0	96.5	97.0
2.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3.	SH	690.6	744.0	680.6	709.7	744.0	694.9	4263.8
4.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	UH	28.4	0.0	39.4	34.3	0.0	25.1	127.2
6.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	FOH	28.4	0.0	39.4	34.3	0.0	25.1	127.2
8.	MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	PFOH	12.7	0.0	0.0	0.0	0.0	0.0	12.7
10.	LR pf (MW)	40.3	0.0	0.0	0.0	0.0	0.0	40.3
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)	191.0	191.0	191.0	191.0	191.0	191.0	191.0
14.	Oper MBtu	1246733	1291251	1185091	1314707	1344547	1150212	7532541
15.	Net Gen (MWH)	120132	126132	115362	126350	128001	110608	726585
16.	ANOHR (Btu/KWH)	10378	10237	10273	10405	10504	10399	10367
17.	NOF %	91.1	88.8	88.7	93.2	90.1	83.3	89.2
18.	NPC (MW)	191.0	191.0	191.0	191.0	191.0	191.0	191.0

19.	ANOHR Equation	10^6 / AKW * [101.34 + 27.35 * APR + 42.71 * JUN] + 9,685

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Docket No.: 960001-EI
Order No.:

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1996 - September 1996

	DANIEL 1	Apr '96	May '96	Jun '96	Jul '96	Aug '96	Sep '96	Total
1.	EAF (%)	92.2	98.5	93.8	93.8	100.0	80.4	93.3
2.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3.	SH	576.1	744.0	683.6	698.4	744.0	635.6	4081.7
4.	RSH	117.7	0.0	0.0	0.0	0.0	0.0	117.7
5.	UH	25.2	0.0	36.4	45.6	0.0	84.4	191.6
6.	POH	0.0	0.0	0.0	0.0	0.0	84.4	84.4
7.	FOH	0.0	0.0	0.0	30.7	0.0	0.0	30.7
8.	MOH	25.2	0.0	36.4	14.9	0.0	0.0	76.5
9.	PFOH	239.5	116.9	41.4	9.8	3.4	366.6	777.6
10.	LR pf (MW)	55.5	41.3	88.2	23.8	20.0	66.4	59.7
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)	430.0	430.0	430.0	510.0	510.0	430.0	456.7
14.	Oper MBtu	2220784	2961441	2582073	2609452	2667125	2360993	15401868
15.	Net Gen (MWH)	212538	282306	246307	257177	256653	221119	1476100
16.	ANOHR (Btu/KWH)	10449	10490	10483	10147	10392	10677	10434
17.	NOF %	85.8	88.2	83.8	72.2	67.6	80.9	79.2
18.	NPC (MW)	430.0	430.0	430.0	510.0	510.0	430.0	456.7

19.	ANOHR Equation	10^6 / AKW * [-195.70 - 65.61 * JAN] + 13,416 - 0.00639 * LSRF / AKW

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ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1996 - September 1996

	DANIEL 2	Apr '96	May '96	Jun '96	Jul '96	Aug '96	Sep '96	Total
1.	EAF (%)	77.4	85.9	98.6	97.5	95.9	98.8	92.4
2.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3.	SH	581.9	639.7	718.3	728.8	713.4	720.0	4102.1
4.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	UH	137.1	104.3	1.7	15.2	30.6	0.0	288.9
6.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	FOH	0.0	0.0	1.7	15.2	30.6	0.0	47.5
8.	MOH	137.1	104.3	0.0	0.0	0.0	0.0	241.4
9.	PFOH	128.7	2.7	29.0	6.5	1.9	49.0	217.8
10.	LR pf (MW)	84.9	105.4	128.3	253.0	55.0	74.1	93.3
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)	430.0	430.0	430.0	510.0	510.0	430.0	456.7
14.	Oper MBtu	2254640	2483093	2446759	2565488	2326337	2764275	14840592
15.	Net Gen (MWH)	213411	236237	232659	247472	222964	258132	1410875
16.	ANOHR (Btu/KWH)	10565	10511	10517	10367	10434	10709	10519
17.	NOF %	85.3	85.9	75.3	66.6	61.3	83.4	75.3
18.	NPC (MW)	430.0	430.0	430.0	510.0	510.0	430.0	456.7

19.	ANOHR Equation	$10^6 / AKW * [-192.43 + 68.36 * JUL + 82.43 * AUG + 58.95 * SEP - 48.31 * OCT] + 13,293 - 0.00674 * LSRF / AKW$

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Order No.:

Planned Outage Schedules (Actual)

Period of: April 1996 - September 1996

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.

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 960001-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 14th day of November, 1996.

Rollanda R. Cothran
Notary Public, State of Florida at Large