Florida Public Service Commission
Docket No. 950001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. ___ (GDF-1)

EXHIBIT TO THE TESTIMONY OF

G. D. FONTAINE

IN FPSC DOCKET 950001-EI

FLOBIDA PUBLIC SERVICE COMMISSION
DOCKET NO. 960001-EI EXHIBIT NO 21
COMPANY/ WITNESS: GPC/Fontaine
DATE: 2/21/96

I. CORRECTIONS TO REPORTED OUTAGES FOR THE APRIL 1995 - SEPTEMBER 1995 PERIOD

Additions and Corrections to Outages Previously Reported
for the April 1995 - September 1995 Period

Date	Unit	Change	Outage Type	Hours	MW	Description
05/95	Crist 7	MOH	FMO	160.7	504.0	Incorrectly Reported
06/95	Smith 1	MOH	FMO	56.7	161.0	Incorrectly Reported

II. CALCULATIONS OF EQUIVALENT AVAILABILITY POINTS

Comparison of Forecast and Actual Planned Outages for April 1995 - September 1995

Unit	Note	Forecast Planned Outage Schedule	Forecast Hours*	Actual Planned Outage Schedule	Actual Hours*
Crist 6	1	05/13/95 - 05/28/95	384.0	None	0.0
Crist 6	2	09/23/95 - 10/01/95	192.0	09/20/95 - 10/16/95	247.0
Crist 7	3	04/15/95 - 04/30/95	384.0	None	0.0
Smith 1	4	04/15/95 - 04/30/95	384.0	04/14/95 - 04/29/95	359.7
Smith 1	5	09/23/95 - 10/01/95	192.0	None	0.0
Smith 2	6	03/25/95 - 04/09/95	215.0	03/24/95 - 04/09/95	194.8
Smith 2	7	None	0.0	09/22/95 - 10/01/95	192.6
Daniel 1	8	09/23/95 - 12/17/95	192.0	09/21/95 - Present	216.7
Daniel 2	9	None	0.0	09/29/95 - 10/12/95	48.0

* Planned outage hours in the April 1995 - September 1995 period only.

Notes:

1. This outage was canceled because necessary work was completed during reserve shutdowns or deferred to the fall outage.
2. This outage proceeded as scheduled and was extended to perform work deferred from the planned spring outage.
3. This outage was canceled because necessary work was completed during reserve shutdowns.
4. This outage proceeded as scheduled.
5. This outage was swapped with Smith Unit 2 because mill parts for Smith Unit 1 were not available.
6. This outage proceeded as scheduled.
7. This outage was brought forward and swapped with Smith Unit 1.
8. This outage proceeded as scheduled.
9. This outage was necessary to perform maintenance on the stack liner.

Calculation of Actual Equivalent Availability
for April 1995 - September 1995
Based on Target Planned Outage Hours
Crist 6

Results of Operations

	Apr	May	Jun	Jul	Aug	Sep	Total
FOH	39.2	0.0	0.0	0.0	0.0	0.0	39.2
EFOH	0.0	0.0	2.5	8.7	4.1	55.0	70.3
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	247.0	247.0
RSH	205.7	12.8	156.5	60.0	0.0	149.8	584.8

$$1.\ EUOR = \frac{(FOH + EFOH + MOH + EMOH)}{(PH - POH - RSH)} = \frac{(39.2 + 70.3 + 0.0 + 0.0)}{(4391.0 - 247.0 - 584.8)}$$

$$EUOR = 0.0308$$

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

Target POH* = 576.0

Target RSH* = 0.0

$$EA = \left[1 - \frac{(576.0 + 0.0308\ (4391.0 - 576.0 - 0.0))}{4391.0} \right] \times 100 = 84.2\ \%$$

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

Calculation of Actual Equivalent Availability
for April 1995 - September 1995
Based on Target Planned Outage Hours
Crist 7

Results of Operations

	Apr	May	Jun	Jul	Aug	Sep	Total
FOH	0.0	0.0	0.0	0.0	73.0	23.8	96.8
EFOH	0.8	6.1	8.7	0.5	72.0	1.6	89.7
MOH	0.0	160.7	0.0	0.0	0.0	0.0	160.7
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	52.0	123.7	0.0	0.0	175.7

$$1.\ EUOR = \frac{(FOH + EFOH + MOH + EMOH)}{(PH - POH - RSH)} = \frac{(96.8 + 89.7 + 160.7 + 0.0)}{(4391.0 - 0.0 - 175.7)}$$

EUOR = 0.0824

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

Target POH* = 384.0

Target RSH* = 0.0

$$EA = \left[1 - \frac{(384.0 + 0.0824\ (4391.0 - 384.0 - 0.0))}{4391.0} \right] \times 100 = 83.7\ \%$$

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

Calculation of Actual Equivalent Availability
for April 1995 - September 1995
Based on Target Planned Outage Hours
Smith 1

Results of Operations

	Apr	May	Jun	Jul	Aug	Sep	Total
FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EFOH	0.1	0.1	0.0	0.0	1.2	1.3	2.7
MOH	0.0	0.0	56.7	0.0	0.0	0.0	56.7
EMOH	0.0	0.0	0.0	1.0	1.8	0.0	2.8
PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
POH	359.7	0.0	0.0	0.0	0.0	0.0	359.7
RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$$1.\ EUOR = \frac{(FOH + EFOH + MOH + EMOH)}{(PH - POH - RSH)} = \frac{(0.0 + 2.7 + 56.7 + 2.8)}{(4391.0 - 359.7 - 0.0)}$$

EUOR = 0.0154

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

Target POH* = 576.0

Target RSH* = 0.0

$$EA = \left[1 - \frac{(576.0 + 0.0154\ (4391.0 - 576.0 - 0.0))}{4391.0} \right] \times 100 = 85.5\ \%$$

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

Calculation of Actual Equivalent Availability
for April 1995 - September 1995
Based on Target Planned Outage Hours
Smith 2

Results of Operations

	Apr	May	Jun	Jul	Aug	Sep	Total
FOH	0.0	0.0	0.0	0.0	87.9	30.1	118.0
EFOH	1.9	0.0	0.7	0.2	7.6	0.0	10.4
MOH	0.0	0.0	0.0	55.0	0.0	0.0	55.0
EMOH	0.0	4.4	0.0	0.0	0.0	0.0	4.4
PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
POH	194.8	0.0	0.0	0.0	0.0	192.6	387.4
RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$$1.\ EUOR = \frac{(FOH + EFOH + MOH + EMOH)}{(PH - POH - RSH)} = \frac{(118.0 + 10.4 + 55.0 + 4.4)}{(4391.0 - 387.4 - 0.0)}$$

EUOR = 0.0469

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

Target POH* = 215.0

Target RSH* = 0.0

$$EA = \left[1 - \frac{(215.0 + 0.0469\ (4391.0 - 215.0 - 0.0))}{4391.0} \right] \times 100 = 90.6\ \%$$

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

Calculation of Actual Equivalent Availability
for April 1995 - September 1995
Based on Target Planned Outage Hours
Daniel 1

Results of Operations

	Apr	May	Jun	Jul	Aug	Sep	Total
FOH	44.2	0.0	0.0	0.0	26.4	63.2	133.8
EFOH	7.4	51.5	8.0	3.5	4.7	8.1	83.2
MOH	0.0	152.0	0.0	0.0	62.8	0.0	214.8
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	216.7	216.7
RSH	0.0	0.0	87.7	63.4	0.0	0.0	151.1

$$1.\ EUOR = \frac{(FOH + EFOH + MOH + EMOH)}{(PH - POH - RSH)} = \frac{(133.8 + 83.2 + 214.8 + 0.0)}{(4391.0 - 216.7 - 151.1)}$$

EUOR = 0.1073

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

Target POH* = 192.0

Target RSH* = 0.0

$$EA = \left[1 - \frac{(192.0 + 0.1073\ (4391.0 - 192.0 - 0.0))}{4391.0} \right] \times 100 = 85.4\ \%$$

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

Calculation of Actual Equivalent Availability
for April 1995 - September 1995
Based on Target Planned Outage Hours
Daniel 2

Results of Operations

	Apr	May	Jun	Jul	Aug	Sep	Total
FOH	0.0	54.4	0.0	0.0	0.0	15.3	69.7
EFOH	17.7	44.2	12.1	0.0	24.6	8.4	107.0
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	48.0	48.0
RSH	0.0	0.0	154.2	63.1	0.0	0.0	217.3

$$1.\ EUOR = \frac{(FOH + EFOH + MOH + EMOH)}{(PH - POH - RSH)} = \frac{(69.7 + 107.0 + 0.0 + 0.0)}{(4391.0 - 48.0 - 217.3)}$$

EUOR = 0.0428

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

Target POH* = 0.0

Target RSH* = 0.0

$$EA = \left[1 - \frac{(0.0 + 0.0428\ (4391.0 - 0.0 - 0.0))}{4391.0} \right] \times 100 = 95.7\ \%$$

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

Calculation of Equivalent Availability Points
for April 1995 - September 1995

(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	76.6	84.2	79.7	10.00
Crist 7	76.4	83.7	80.9	10.00
Smith 1	81.4	85.5	83.1	10.00
Smith 2	87.7	90.6	90.0	10.00
Daniel 1	90.5	85.4	88.2	-10.00
Daniel 2	97.5	95.7	96.4	-10.00

* As appropriate from page 5, Schedule 3 of Exhibit to G. D. Fontaine's January 17, 1995 GPIF testimony in Docket 950001-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 1995 - September 1995

Crist 6

	Apr	May	Jun	Jul	Aug	Sep	Total
Pounds Coal (000's)	67937.9	105319.2	92541.6	108339.8	135744.6	46399.1	556282.2
BTU/Lb*	12245.7	12391.7	12206.0	12494.1	12162.1	12205.6	12291.4
Coal, MMBTU	831947.1	1305083.9	1129562.8	1353608.3	1650939.4	566328.9	6837470.4
Oil, MMBTU	1223.3	1169.3	519.2	609.2	700.1	361.8	4582.9
Gas, MMBTU	0.0	2395.0	3081.0	1636.0	0.0	6698.0	13808.0
Startup, MMBTU **	-4040.0	-4040.0	-8080.0	-4040.0	0.0	-8080.0	-28280.0
Total Fuel Consumption, MMBTU	829130.4	1304606.2	1125083.0	1351813.5	1651639.5	565308.7	6827581.3
Net MWH Generation***	74579	116080	103307	122712	148628	47922	613228
Average Net Operating Heat Rate	11117	11239	10891	11016	11113	11796	11134

* 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 1995 - September 1995

Crist 7

	Apr	May	Jun	Jul	Aug	Sep	Total
Pounds Coal (000's)	153349.3	157980.8	192108.4	188232.2	198087.9	185881.3	1075639.9
BTU/Lb*	12227.2	12237.1	12199.2	12302.0	12140.4	12164.9	12210.0
Coal, MMBTU	1875032.6	1933226.8	2343568.8	2315632.5	2404866.3	2261227.4	13133554.4
Oil, MMBTU	3271.5	1822.2	2350.0	1168.3	1812.4	1901.4	12325.8
Gas, MMBTU	0.0	3170.0	6227.0	2580.0	1527.0	0.0	13504.0
Startup, MMBTU **	0.0	-2256.0	-2256.0	-2256.0	-2256.0	0.0	-9024.0
Total Fuel Consumption, MMBTU	1878304.1	1935963.0	2349889.8	2317124.8	2405949.7	2263128.8	13150360.2
Net MWH Generation***	171022	178594	220591	213830	222287	211094	1217418
Average Net Operating Heat Rate	10983	10840	10653	10836	10824	10721	10802

* 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 1995 - September 1995

Smith 1

	Apr	May	Jun	Jul	Aug	Sep	Total
Pounds Coal (000's)	48901.2	99903.8	91312.6	97357.7	99158.2	91432.4	528065.9
BTU/Lb*	11535.9	11590.1	11637.7	11755.5	11728.8	11810.4	11688.0
Coal, MMBTU	564119.4	1157895.0	1062668.6	1144488.4	1163006.7	1079853.2	6172031.3
Oil, MMBTU	2489.2	152.3	1206.9	228.9	237.9	246.3	4561.5
Gas, MMBTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Startup, MMBTU **	-964.0	0.0	-964.0	0.0	0.0	0.0	-1928.0
Total Fuel Consumption, MMBTU	565644.6	1158047.3	1062911.5	1144717.3	1163244.6	1080099.5	6174664.8
Net MWH Generation***	54324	114734	104771	111257	113981	106021	605088
Average Net Operating Heat Rate	10412	10093	10145	10289	10206	10188	10205

* 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 1995 - September 1995

Smith 2

	Apr	May	Jun	Jul	Aug	Sep	Total
Pounds Coal (000's)	79773.0	113119.1	119051.1	106338.6	99870.1	70682.5	588834.4
BTU/Lb*	11481.7	11592.8	11662.2	11697.7	11754.8	11792.1	11662.1
Coal, MMBTU	915929.7	1311367.1	1388397.7	1243917.0	1173953.1	833495.1	6867059.7
Oil, MMBTU	2376.0	228.6	157.5	1034.8	2953.0	1182.6	7932.5
Gas, MMBTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Startup, MMBTU **	-1190.0	0.0	0.0	-1190.0	-2380.0	-1190.0	-5950.0
Total Fuel Consumption, MMBTU	917115.7	1311595.7	1388555.2	1243761.8	1174526.1	833487.7	6869042.2
Net MWH Generation***	88275	126903	134492	118818	112952	81634	663074
Average Net Operating Heat Rate	10389	10335	10324	10468	10398	10210	10359

* 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 1995 - September 1995

Daniel 1

	Apr	May	Jun	Jul	Aug	Sep	Total
Pounds Coal (000's)	270988.6	163891.3	163533.4	213333.6	212145.5	116483.3	1140375.7
BTU/Lb*	9472.9	10424.8	10689.7	10864.4	11006.1	11128.9	10498.9
Coal, MMBTU	2567047.9	1708534.0	1748123.0	2317741.6	2334894.6	1296331.0	11972672.1
Oil, MMBTU	4178.8	3016.7	858.9	5630.0	4203.6	3075.0	20963.0
Gas, MMRTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Startup, MMBTU **	-2388.7	-2388.7	-2388.7	-2388.7	-4777.4	-2388.7	-16720.9
Total Fuel Consumption, MMBTU	2568838.0	1709162.0	1746593.2	2320982.9	2334320.8	1297017.3	11976914.2
Net MWH Generation***	242285	159496	161194	219593	223044	122244	1127856
Average Net Operating Heat Rate	10603	10716	10835	10569	10466	10610	10619

* 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 1995 - September 1995

Daniel 2

	Apr	May	Jun	Jul	Aug	Sep	Total
Pounds Coal (000's)	285386.1	212681.1	156834.9	210462.5	234805.6	165809.2	1265979.4
BTU/Lb*	9484.0	10508.0	10685.4	10857.9	10978.7	11109.7	10523.4
Coal, MMBTU	2706601.8	2234893.0	1675843.6	2285180.8	2577860.2	1842090.5	13322429.9
Oil, MMBTU	3.0	2769.1	1517.7	5808.4	1083.3	723.2	11904.7
Gas, MMBTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Startup, MMBTU **	0.0	-2388.7	-4777.4	-2388.7	0.0	0.0	-9554.8
Total Fuel Consumption, MMBTU	2706604.8	2235233.4	1672583.9	2288600.5	2578943.5	1842813.7	13324779.8
Net MWH Generation***	264508	214541	159395	222299	249408	175135	1285286
Average Net Operating Heat Rate	10233	10419	10493	10295	10340	10522	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
for April 1995 - September 1995
Adjusted to Target Basis Using Heat Rate
Equations Filed January 17, 1995

Crist 6

		Apr	May	Jun	Jul	Aug	Sep	Apr - Sep
1.	Target Heat Rate*	10797	11072	11049	10715	10613	10807	
2.	Target Heat Rate at Actual Conditions**	10960	10949	10918	11004	10716	11123	
3.	Adjustment to Actual Heat Rate (1-2)	-163	123	131	-289	-103	-316	
4.	Actual Heat Rate (Page 2 of Sched. 3)	11117	11239	10891	11016	11113	11796	
5.	Adjusted Actual Heat Rate (4+3)	10954	11362	11022	10727	11010	11480	
6.	Net MWH Generation	74579	116080	103307	122712	148628	47922	
7.	Adjusted Actual Heat Rate for April 1995 - September 1995 $=(\Sigma(5*6)/\Sigma 6)$							11052

* From page 18, schedule 3 of Exhibit to G. D. Fontaine's January 17, 1995 GPIF testimony in Docket 950001-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 1995 - September 1995
Adjusted to Target Basis Using Heat Rate
Equations Filed January 17, 1995

Crist 7

		Apr	May	Jun	Jul	Aug	Sep	Apr - Sep
1.	Target Heat Rate*	10704	11063	10686	10518	10560	10650	
2.	Target Heat Rate at Actual Conditions**	11020	10529	10409	10528	10609	10512	
3.	Adjustment to Actual Heat Rate (1-2)	-316	534	277	-10	-49	138	
4.	Actual Heat Rate (Page 3 of Sched. 3)	10983	10840	10653	10836	10824	10721	
5.	Adjusted Actual Heat Rate (4+3)	10667	11374	10930	10826	10775	10859	
6.	Net MWH Generation	171022	178594	220591	213830	222287	211094	
7.	Adjusted Actual Heat Rate for April 1995 - September 1995 $=(\Sigma(5*6)/\Sigma 6)$							10899

* From page 19, schedule 3 of Exhibit to G. D. Fontaine's January 17, 1995 GPIF testimony in Docket 950001-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 1995 - September 1995
Adjusted to Target Basis Using Heat Rate
Equations Filed January 17, 1995

Smith 1

		Apr	May	Jun	Jul	Aug	Sep	Apr - Sep
1.	Target Heat Rate*	10186	10213	10127	10124	10111	10155	
2.	Target Heat Rate at Actual Conditions**	10133	10119	10101	10142	10123	10153	
3.	Adjustment to Actual Heat Rate (1-2)	53	94	26	-18	-12	2	
4.	Actual Heat Rate (Page 4 of Sched. 3)	10412	10093	10145	10289	10206	10188	
5.	Adjusted Actual Heat Rate (4+3)	10465	10187	10171	10271	10194	10190	
6.	Net MWH Generation	54324	114734	104771	111257	113981	106021	
7.	Adjusted Actual Heat Rate for April 1995 - September 1995 $=(\Sigma(5*6)/\Sigma 6)$							10226

* From page 20, schedule 3 of Exhibit to G. D. Fontaine's January 17, 1995 GPIF testimony in Docket 950001-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 1995 - September 1995
Adjusted to Target Basis Using Heat Rate
Equations Filed January 17, 1995

Smith 2

		Apr	May	Jun	Jul	Aug	Sep	Apr - Sep
1.	Target Heat Rate*	10437	10269	10406	10186	10173	10217	
2.	Target Heat Rate at Actual Conditions**	10375	10199	10349	10193	10194	10222	
3.	Adjustment to Actual Heat Rate (1-2)	62	70	57	-7	-21	-5	
4.	Actual Heat Rate (Page 5 of Sched. 3)	10389	10335	10324	10468	10398	10210	
5.	Adjusted Actual Heat Rate (4+3)	10451	10405	10381	10461	10377	10205	
6.	Net MWH Generation	88275	126903	134492	118818	112952	81634	
7.	Adjusted Actual Heat Rate for April 1995 - September 1995 =(Σ(5*6)/Σ6)							10387

* From page 21, schedule 3 of Exhibit to G. D. Fontaine's January 17, 1995 GPIF testimony in Docket 950001-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 1995 - September 1995
Adjusted to Target Basis Using Heat Rate
Equations Filed January 17, 1995

Daniel 1

	Apr	May	Jun	Jul	Aug	Sep	Apr - Sep
1. Target Heat Rate*	10206	10601	10333	10203	10216	10333	
2. Target Heat Rate at Actual Conditions**	10163	10425	10485	10252	10205	10393	
3. Adjustment to Actual Heat Rate (1-2)	43	176	-152	-49	11	-60	
4. Actual Heat Rate (Page 6 of Sched. 3)	10603	10716	10835	10569	10466	10610	
5. Adjusted Actual Heat Rate (4+3)	10646	10892	10683	10520	10477	10550	
6. Net MWH Generation	242285	159496	161194	219593	223044	122244	
7. Adjusted Actual Heat Rate for April 1995 - September 1995 =(Σ(5*6)/Σ6)							10618

* From page 22, schedule 3 of Exhibit to G. D. Fontaine's January 17, 1995 GPIF testimony in Docket 950001-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 1995 - September 1995
Adjusted to Target Basis Using Heat Rate
Equations Filed January 17, 1995

Daniel 2

		Apr	May	Jun	Jul	Aug	Sep	Apr - Sep
1.	Target Heat Rate*	10003	10155	10134	10041	10055	10302	
2.	Target Heat Rate at Actual Conditions**	10004	9975	10252	10107	10083	10495	
3.	Adjustment to Actual Heat Rate (1-2)	-1	180	-118	-66	-28	-193	
4.	Actual Heat Rate (Page 7 of Sched. 3)	10233	10419	10493	10295	10340	10522	
5.	Adjusted Actual Heat Rate (4+3)	10232	10599	10375	10229	10312	10329	
6.	Net MWH Generation	264508	214541	159395	222299	249408	175135	
7.	Adjusted Actual Heat Rate for April 1995 - September 1995 $=(\Sigma(5*6)/\Sigma 6)$							10339

* From page 23, schedule 3 of Exhibit to G. D. Fontaine's January 17, 1995 GPIF testimony in Docket 950001-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 1995 - September 1995

	Apr	May	Jun	Jul	Aug	Sep
Crist 6						
AKW * 10^{+3}	157.3	158.8	183.3	179.4	199.8	148.3
LSRF * 10^{+6}	29824.4	30188.7	39871.3	38001.0	46281.6	24864.3
Crist 7						
AKW * 10^{+3}	237.9	306.2	330.2	344.7	331.3	303.2
LSRF * 10^{+6}	65227.2	108967.0	124610.3	135233.7	124354.3	104787.8
Smith 1						
AKW * 10^{+3}	151.2	154.2	158.0	149.5	153.2	147.3
LSRF * 10^{+6}	23202.2	24027.1	25074.8	22746.7	23653.5	22312.1
Smith 2						
AKW * 10^{+3}	168.4	170.6	186.8	172.4	172.2	164.2
LSRF * 10^{+6}	29524.0	30244.1	34992.3	30722.1	30478.5	28581.0
Daniel 1						
AKW * 10^{+3}	359.0	269.4	254.9	322.6	340.6	277.8
LSRF * 10^{+6}	139270.5	87935.2	81599.5	125467.9	144616.9	95387.2
Daniel 2						
AKW * 10^{+3}	367.9	311.1	281.7	326.5	335.2	266.7
LSRF * 10^{+6}	142254.2	114656.8	98323.3	132317.8	137258.6	89324.8

Target Heat Rate Equations

Crist 6 ANOHR = 10^6 / AKW * [146.52 + 40.84 * JAN + 41.36 * JUN + 47.91 * JUL + 31.63 * AUG - 33.35 * OCT]

+ 10,948 - 0.00485 * LSRF / AKW

Crist 7 ANOHR = 10^6 / AKW * [916.48 + 42.72 * JAN + 58.10 * JUL + 72.40 * AUG + 65.36 * NOV]

+ 5,931 + 0.00451 * LSRF / AKW

Smith 1 ANOHR = 10^6 / AKW * [113.43 + 11.45 * JAN + 16.51 * FEB + 20.38 * MAR]

+ 9,383

Smith 2 ANOHR = 10^6 / AKW * [98.48 + 20.28 * MAR + 28.32 * APR + 37.25 * JUN + 19.27 * NOV]

+ 9,622

Daniel 1 ANOHR = 10^6 / AKW * [283.49 - 52.71 * JAN + 158.68 * MAR]

+ 9,373

Daniel 2 ANOHR = 10^6 / AKW * [297.36 - 55.04 * MAY + 49.04 * SEP]

+ 9,196

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 1995 - September 1995

(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	10804	11052	10480	-6.95
Crist 7	10675	10899	10355	-6.08
Smith 1	10147	10226	9843	-0.17
Smith 2	10270	10387	9962	-1.80
Daniel 1	10291	10618	9982	-10.00
Daniel 2	10107	10339	9804	-6.89

* From page 5, Schedule 3 of Exhibit to G. D. Fontaine's January 17, 1995 GPIF testimony in Docket 950001-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 1995 - September 1995

Unit	Availability Points	Availability* Weighting Factor	Heat Rate Points	Heat Rate* Weighting Factor
Crist 6	10.00	0.010	-6.95	0.110
Crist 7	10.00	0.017	-6.08	0.174
Smith 1	10.00	0.008	-0.17	0.085
Smith 2	10.00	0.010	-1.80	0.104
Daniel 1	-10.00	0.025	-10.00	0.202
Daniel 2	-10.00	0.027	-6.89	0.228

Company GPIF Points = + 10.00 * 0.010 - 6.95 * 0.110
+ 10.00 * 0.017 - 6.08 * 0.174
+ 10.00 * 0.008 - 0.17 * 0.085
+ 10.00 * 0.010 - 1.80 * 0.104
- 10.00 * 0.025 - 10.00 * 0.202
- 10.00 * 0.027 - 6.89 * 0.228
-5.68

Company reward/penalty = -5.68 points * $85049 per point

= ($483,077)

* From page 5, Schedule 3 of Exhibit to G. D. Fontaine's January 17, 1995 GPIF testimony in Docket 950001-EI.

V. GPIF MINIMUM FILING REQUIREMENTS FOR THE APRIL 1995 - SEPTEMBER 1995 PERIOD

CONTENTS	SCHEDULE 5 PAGE

Generating Performance Incentive Factor

Actual Reward/Penalty Table

Gulf Power Company

Period of: April 1995 - September 1995

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	3551	850
+ 9	3196	765
+ 8	2841	680
+ 7	2486	595
+ 6	2131	510
+ 5	1776	425
+ 4	1420	340
+ 3	1065	255
+ 2	710	170
+ 1	355	85
0	0	0
- 1	-412	-85
- 2	-824	-170
- 3	-1237	-255
- 4	-1649	-340
- 5	-2061	-425
- 6	-2473	-510
- 7	-2885	-595
- 8	-3298	-680
- 9	-3710	-765
- 10	-4122	-850
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

Generating Performance Incentive Factor

Calculation of Maximum Allowed Incentive Dollars

Actual

Gulf Power Company

Period of: April 1995 - September 1995

Line 1	Beginning of Period Balance of Common Equity	$424,650,999
	End of Month Balance of Common Equity:	
Line 2	Month of Apr '95	$413,500,486
Line 3	Month of May '95	$420,364,214
Line 4	Month of Jun '95	$427,447,608
Line 5	Month of Jul '95	$422,837,383
Line 6	Month of Aug '95	$433,476,848
Line 7	Month of Sep '95	$442,693,026
Line 8	Average Common Equity for the Period (sum of line 1 through line 7 divided by 7)	$426,424,366
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)	$881,736
Line 12	Jurisdictional Sales (KWH)	$4,801,877,279
Line 13	Total Territorial Sales (KWH)	$4,978,302,479
Line 14	Jurisdictional Separation Factor (line 12 divided by line 13)	96.4561%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (line 11 multiplied by line 14)	$850,488

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

Calculation of System Actual GPIF Points

Gulf Power Company

Period of: April 1995 - September 1995

Plant & Unit	Performance Indicator (EAF or ANOHR)	Weighting Factor	Unit Points	Weighted Unit Points
Crist 6	EAF1	1.0%	10.00	0.100
Crist 6	ANOHR1	11.0%	-6.95	-0.765
Crist 7	EAF2	1.7%	10.00	0.170
Crist 7	ANOHR2	17.4%	-6.08	-1.058
Smith 1	EAF3	0.8%	10.00	0.000
Smith 1	ANOHR3	8.5%	-0.17	-0.014
Smith 2	EAF4	1.0%	10.00	0.100
Smith 2	ANOHR4	10.4%	-1.80	-0.187
Daniel 1	EAF5	2.5%	-10.00	-0.250
Daniel 1	ANOHR5	20.2%	-10.00	-2.020
Daniel 2	EAF6	2.7%	-10.00	-0.270
Daniel 2	ANOHR6	22.8%	-6.89	-1.571
Gulf Power GPIF Total		100.0%		-5.68

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1995 - September 1995

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	36	79.70	+ 10	390	10,480
+ 9	32	79.39	+ 9	351	10,505
+ 8	29	79.08	+ 8	312	10,530
+ 7	25	78.77	+ 7	273	10,555
+ 6	22	78.46	+ 6	234	10,580
+ 5	18	78.15	+ 5	195	10,605
+ 4	14	77.84	+ 4	156	10,629
+ 3	11	77.53	+ 3	117	10,654
+ 2	7	77.22	+ 2	78	10,679
+ 1	4	76.91	+ 1	39	10,704
				0	10,729
0	0	76.60	0	0	10,804
				0	10,879
- 1	(4)	76.14	- 1	(39)	10,904
- 2	(9)	75.68	- 2	(78)	10,929
- 3	(13)	75.22	- 3	(117)	10,954
- 4	(18)	74.76	- 4	(156)	10,979
- 5	(22)	74.30	- 5	(195)	11,004
- 6	(26)	73.84	- 6	(234)	11,028
- 7	(31)	73.38	- 7	(273)	11,053
- 8	(35)	72.92	- 8	(312)	11,078
- 9	(40)	72.46	- 9	(351)	11,103
- 10	(44)	72.00	- 10	(390)	11,128
Weighting Factor:		0.010	Weighting Factor:		0.110

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1995 - September 1995

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	60	80.90	+ 10	619	10,355
+ 9	54	80.45	+ 9	557	10,380
+ 8	48	80.00	+ 8	495	10,404
+ 7	42	79.55	+ 7	433	10,429
+ 6	36	79.10	+ 6	371	10,453
+ 5	30	78.65	+ 5	310	10,478
+ 4	24	78.20	+ 4	248	10,502
+ 3	18	77.75	+ 3	186	10,527
+ 2	12	77.30	+ 2	124	10,551
+ 1	6	76.85	+ 1	62	10,576
				0	10,600
0	0	76.40	0	0	10,675
				0	10,750
- 1	(9)	75.73	- 1	(62)	10,775
- 2	(19)	75.06	- 2	(124)	10,799
- 3	(28)	74.39	- 3	(186)	10,824
- 4	(37)	73.72	- 4	(248)	10,848
- 5	(47)	73.05	- 5	(310)	10,875
- 6	(56)	72.38	- 6	(371)	10,897
- 7	(65)	71.71	- 7	(433)	10,922
- 8	(74)	71.04	- 8	(495)	10,946
- 9	(84)	70.37	- 9	(557)	10,971
- 10	(93)	69.70	- 10	(619)	10,995
Weighting Factor:		0.017	Weighting Factor:		0.174

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1995 - September 1995

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	83.10	+ 10	301	9,843
+ 9	27	82.93	+ 9	271	9,866
+ 8	24	82.76	+ 8	241	9,889
+ 7	21	82.59	+ 7	211	9,912
+ 6	18	82.42	+ 6	181	9,935
+ 5	15	82.25	+ 5	151	9,958
+ 4	12	82.08	+ 4	120	9,980
+ 3	9	81.91	+ 3	90	10,003
+ 2	6	81.74	+ 2	60	10,026
+ 1	3	81.57	+ 1	30	10,049
				0	10,072
0	0	81.40	0	0	10,147
				0	10,222
- 1	(4)	81.15	- 1	(30)	10,245
- 2	(7)	80.90	- 2	(60)	10,268
- 3	(11)	80.65	- 3	(90)	10,291
- 4	(14)	80.40	- 4	(120)	10,314
- 5	(18)	80.15	- 5	(151)	10,337
- 6	(22)	79.90	- 6	(181)	10,359
- 7	(25)	79.65	- 7	(211)	10,382
- 8	(29)	79.40	- 8	(241)	10,405
- 9	(32)	79.15	- 9	(271)	10,428
- 10	(36)	78.90	- 10	(301)	10,451
Weighting Factor:		0.008	Weighting Factor:		0.085

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1995 - September 1995

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	36	90.00	+ 10	369	9,962
+ 9	32	89.77	+ 9	332	9,985
+ 8	29	89.54	+ 8	295	10,009
+ 7	25	89.31	+ 7	258	10,032
+ 6	22	89.08	+ 6	221	10,055
+ 5	18	88.85	+ 5	185	10,079
+ 4	14	88.62	+ 4	148	10,102
+ 3	11	88.39	+ 3	111	10,125
+ 2	7	88.16	+ 2	74	10,148
+ 1	4	87.93	+ 1	37	10,172
				0	10,195
0	0	87.70	0	0	10,270
				0	10,345
- 1	(7)	87.37	- 1	(37)	10,368
- 2	(14)	87.04	- 2	(74)	10,392
- 3	(21)	86.71	- 3	(111)	10,415
- 4	(28)	86.38	- 4	(148)	10,438
- 5	(36)	86.05	- 5	(185)	10,462
- 6	(43)	85.72	- 6	(221)	10,485
- 7	(50)	85.39	- 7	(258)	10,508
- 8	(57)	85.06	- 8	(295)	10,531
- 9	(64)	84.73	- 9	(332)	10,555
- 10	(71)	84.40	- 10	(369)	10,578
Weighting Factor:		0.010	Weighting Factor:		0.104

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1995 - September 1995

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	88	92.10	+ 10	716	9,982
+ 9	79	91.94	+ 9	644	10,005
+ 8	70	91.78	+ 8	573	10,029
+ 7	62	91.62	+ 7	501	10,052
+ 6	53	91.46	+ 6	430	10,076
+ 5	44	91.30	+ 5	358	10,099
+ 4	35	91.14	+ 4	286	10,122
+ 3	26	90.98	+ 3	215	10,146
+ 2	18	90.82	+ 2	143	10,169
+ 1	9	90.66	+ 1	72	10,193
				0	10,216
0	0	90.50	0	0	10,291
				0	10,366
- 1	(15)	90.27	- 1	(72)	10,389
- 2	(30)	90.04	- 2	(143)	10,413
- 3	(46)	89.81	- 3	(215)	10,436
- 4	(61)	89.58	- 4	(286)	10,460
- 5	(76)	89.35	- 5	(358)	10,483
- 6	(91)	89.12	- 6	(430)	10,506
- 7	(106)	88.89	- 7	(501)	10,530
- 8	(122)	88.66	- 8	(573)	10,553
- 9	(137)	88.43	- 9	(644)	10,577
- 10	(152)	88.20	- 10	(716)	10,600
Weighting Factor:		0.025	Weighting Factor:		0.202

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1995 - September 1995

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	97	98.30	+ 10	809	9,804
+ 9	87	98.22	+ 9	728	9,827
+ 8	78	98.14	+ 8	647	9,850
+ 7	68	98.06	+ 7	566	9,872
+ 6	58	97.98	+ 6	485	9,895
+ 5	49	97.90	+ 5	405	9,918
+ 4	39	97.82	+ 4	324	9,941
+ 3	29	97.74	+ 3	243	9,964
+ 2	19	97.66	+ 2	162	9,986
+ 1	10	97.58	+ 1	81	10,009
				0	10,032
0	0	97.50	0	0	10,107
				0	10,182
- 1	(52)	97.39	- 1	(81)	10,205
- 2	(104)	97.28	- 2	(162)	10,228
- 3	(157)	97.17	- 3	(243)	10,250
- 4	(209)	97.06	- 4	(324)	10,273
- 5	(261)	96.95	- 5	(405)	10,296
- 6	(313)	96.84	- 6	(485)	10,319
- 7	(365)	96.73	- 7	(566)	10,342
- 8	(418)	96.62	- 8	(647)	10,364
- 9	(470)	96.51	- 9	(728)	10,387
- 10	(522)	96.40	- 10	(809)	10,410
Weighting Factor:		0.027	Weighting Factor:		0.228

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

GPIF Unit Performance Summary

Gulf Power Company

Period of: April 1995 - September 1995

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	1.0	76.6	79.7	72.0	36	-44	84.2	$36
Crist 7	1.7	76.4	80.9	69.7	60	-93	83.7	$60
Smith 1	0.8	81.4	83.1	78.9	30	-36	85.5	$30
Smith 2	1.0	87.7	90.0	84.4	36	-71	90.6	$36
Daniel 1	2.5	90.5	92.1	88.2	88	-152	85.4	($152)
Daniel 2	2.7	97.5	98.3	96.4	97	-522	95.7	($522)
Total:	9.7							

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	11.0	10,804	59.3	11,128	10,480	$390	($390)	11,052	($271)
Crist 7	17.4	10,675	59.3	10,995	10,355	$619	($619)	10,899	($376)
Smith 1	8.5	10,147	92.2	10,451	9,843	$301	($301)	10,226	($5)
Smith 2	10.4	10,270	87.6	10,578	9,962	$369	($369)	10,387	($66)
Daniel 1	20.2	10,291	62.2	10,600	9,982	$716	($716)	10,618	($716)
Daniel 2	22.8	10,107	65.5	10,410	9,804	$809	($809)	10,339	($557)
Total:	90.3								

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

Actual Unit Performance Data

Gulf Power Company

Period of: April 1995 - September 1995

Plant & Unit	Actual EAF %	Adjustments* to EAF %	Adjusted Actual %
Crist 6	91.9	-7.7	84.2
Crist 7	92.1	-8.4	83.7
Smith 1	90.4	-4.9	85.5
Smith 2	86.9	3.7	90.6
Daniel 1	85.2	0.2	85.4
Daniel 2	94.9	0.8	95.7

Plant & Unit	Actual ANOHR BTU/KWH	Adjustments** to ANOHR BTU/KWH	ANOHR Adjusted Actual BTU/KWH
Crist 6	11,134	-82	11,052
Crist 7	10,802	97	10,899
Smith 1	10,205	21	10,226
Smith 2	10,359	28	10,387
Daniel 1	10,619	-1	10,618
Daniel 2	10,367	-28	10,339

* Refer to pages 3 through 8, Schedule 2.

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

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1995 - September 1995

	CRIST 6	Apr '95	May '95	Jun '95	Jul '95	Aug '95	Sep '95	Total
1.	EAF (%)	94.5	100.0	99.7	98.8	99.5	58.1	91.9
2.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3.	SH	474.1	731.2	563.5	684.0	744.0	323.2	3520.0
4.	RSH	205.7	12.8	156.5	60.0	0.0	149.8	584.8
5.	UN	39.2	0.0	0.0	0.0	0.0	247.0	286.2
6.	POH	0.0	0.0	0.0	0.0	0.0	247.0	247.0
7.	FOH	39.2	0.0	0.0	0.0	0.0	0.0	39.2
8.	MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	PFOH	0.0	0.0	7.9	14.8	13.6	209.4	245.7
10.	LR pf (MW)	0.0	0.0	99.7	185.5	94.6	83.3	90.6
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	829130	1304606	1125083	1351813	1651640	565309	6827581
15.	Net Gen (MWH)	74579	116080	103307	122712	148628	47922	613228
16.	ANOHR (Btu/KWH)	11117	11239	10891	11016	11113	11796	11134
17.	NOF %	49.6	50.1	57.8	56.6	63.0	46.8	55.0
18.	NPC (MW)	317.0	317.0	317.0	317.0	317.0	317.0	317.0
19.	ANOHR Equation	10^6 / AKW * [146.52 + 40.84 * JAN + 41.36 * JUN + 47.91 * JUL + 31.63 * AUG - 33.35 * OCT] + 10,948 - 0.00485 * LSRF / AKW						

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1995 - September 1995

	CRIST 7	Apr '95	May '95	Jun '95	Jul '95	Aug '95	Sep '95	Total
1.	EAF (%)	99.9	77.6	98.8	99.9	80.5	96.5	92.1
2.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3.	SH	719.0	583.3	668.0	620.3	671.0	696.2	3957.8
4.	RSH	0.0	0.0	52.0	123.7	0.0	0.0	175.7
5.	UH	0.0	160.7	0.0	0.0	73.0	23.8	257.5
6.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	FOH	0.0	0.0	0.0	0.0	73.0	23.8	96.8
8.	MOH	0.0	160.7	0.0	0.0	0.0	0.0	160.7
9.	PFOH	5.0	36.2	36.4	9.8	276.8	18.6	382.8
10.	LR pf (MW)	84.9	84.3	121.1	27.9	131.1	43.7	118.2
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	1878304	1935963	2349890	2317125	2405950	2263129	13150361
15.	Net Gen (MWH)	171022	178594	220591	213830	222387	211094	1217418
16.	ANOHR (Btu/KWH)	10983	10840	10653	10836	10824	10721	10802
17.	NOF %	47.2	60.7	65.5	68.4	65.7	60.2	61.0
18.	NPC (MW)	504.0	504.0	504.0	504.0	504.0	504.0	504.0
19.	ANOHR Equation	10^6 / AKW * [916.48 + 42.72 * JAN + 58.10 * JUL + 72.40 * AUG + 65.36 * NOV] + 5,931 + 0.00451 * LSRF / AKW						

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1995 - September 1995

	SMITH 1	Apr '95	May '95	Jun '95	Jul '95	Aug '95	Sep '95	Total
1.	EAF (%)	50.0	100.0	92.1	99.9	99.6	99.8	90.4
2.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3.	SH	359.3	744.0	663.3	744.0	744.0	720.0	3974.6
4.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	UH	359.7	0.0	56.7	0.0	0.0	0.0	416.4
6.	POH	359.7	0.0	0.0	0.0	0.0	0.0	359.7
7.	FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	MOH	0.0	0.0	56.7	0.0	0.0	0.0	56.7
9.	PFOH	2.5	0.2	0.0	0.0	9.2	5.1	17.0
10.	LR pf (MW)	6.0	50.0	0.0	0.0	21.5	41.0	25.4
11.	PMOH	0.0	0.0	0.0	9.4	7.9	0.0	17.3
12.	LR pm (MW)	0.0	0.0	0.0	16.7	36.0	0.0	25.5
13.	NSC (MW)	161.0	161.0	161.0	161.0	161.0	161.0	161.0
14.	Oper MBtu	565645	1158047	1062912	1144717	1163245	1080100	6174666
15.	Net Gen (MWH)	54324	114734	104771	111257	113981	106021	605088
16.	ANOHR (Btu/KWH)	10412	10093	10145	10289	10206	10188	10205
17.	NOF %	93.9	95.8	98.1	92.9	95.2	91.5	94.6
18.	NPC (MW)	161.0	161.0	161.0	161.0	161.0	161.0	161.0
19.	ANOHR Equation	10^6 / AKW * [113.43 + 11.45 * JAN + 16.51 * FEB + 20.36 * MAR] + 9,383						

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1995 - September 1995

	SMITH 2	Apr '95	May '95	Jun '95	Jul '95	Aug '95	Sep '95	Total
1.	EAF (%)	72.6	99.4	99.9	92.6	87.2	69.1	86.9
2.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3.	SH	524.2	744.0	720.0	689.0	656.1	497.3	3830.6
4.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.	UH	194.8	0.0	0.0	55.0	87.9	222.7	560.4
6.	POH	194.8	0.0	0.0	0.0	0.0	192.6	387.4
7.	FOH	0.0	0.0	0.0	0.0	87.9	30.1	118.0
8.	MOH	0.0	0.0	0.0	55.0	0.0	0.0	55.0
9.	PFOH	2.9	0.0	5.3	1.5	29.3	0.0	39.0
10.	LR pf (MW)	126.0	0.0	23.5	26.0	49.4	0.0	50.7
11.	PMOH	0.0	6.2	0.0	0.0	0.0	0.0	6.2
12.	LR pm (MW)	0.0	137.0	0.0	0.0	0.0	0.0	137.0
13.	NSC (MW)	191.0	191.0	191.0	191.0	191.0	191.0	191.0
14.	Oper MBtu	917116	1311596	1388555	1243762	1174526	833488	6869043
15.	Net Gen (MWH)	88275	126903	134492	118818	112952	81634	663074
16.	ANOHR (Btu/KWH)	10389	10335	10324	10468	10398	10210	10359
17.	NOF %	88.2	89.3	97.8	90.3	90.1	85.9	90.6
18.	NPC (MW)	191.0	191.0	191.0	191.0	191.0	191.0	191.0
19.	ANOHR Equation	10^6 / AKW * [98.48 + 20.28 * MAR + 28.32 * APR + 37.25 * JUN + 19.27 * NOV] + 9,622						

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1995 - September 1995

	DANIEL 1	Apr '95	May '95	Jun '95	Jul '95	Aug '95	Sep '95	Total
1.	EAF (%)	92.8	72.7	98.9	99.5	87.4	60.0	85.2
2.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3.	SH	674.8	592.0	632.3	680.6	654.8	440.1	3674.6
4.	RSH	0.0	0.0	87.7	63.4	0.0	0.0	151.1
5.	UH	44.2	152.0	0.0	0.0	89.2	279.9	565.3
6.	POH	0.0	0.0	0.0	0.0	0.0	216.7	216.7
7.	FOH	44.2	0.0	0.0	0.0	26.4	63.2	133.8
8.	MOH	0.0	152.0	0.0	0.0	62.8	0.0	214.8
9.	PFOH	34.9	273.9	176.0	70.8	36.0	31.8	623.4
10.	LR pf (MW)	91.5	95.8	23.2	25.3	66.1	130.0	67.1
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	510.0	510.0	510.0	510.0	510.0	496.7
14.	Oper MBtu	2568838	1709162	1746593	2320983	2334321	1297017	11976914
15.	Net Gen (MWH)	242285	159496	161194	219593	223044	122244	1127856
16.	ANOHR (Btu/KWH)	10603	10716	10835	10569	10466	10610	10619
17.	NOF %	83.5	52.8	50.0	63.3	66.8	54.5	61.8
18.	NPC (MW)	430.0	510.0	510.0	510.0	510.0	510.0	496.7

19.	ANOHR Equation	$10^6 / AKW * [283.49 - 52.71 * JAN + 158.68 * MAR] + 9,373$

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1995 - September 1995

	DANIEL 2	Apr '95	May '95	Jun '95	Jul '95	Aug '95	Sep '95	Total
1.	EAF (%)	97.5	86.7	98.3	100.0	96.7	90.0	94.9
2.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
3.	SH	719.0	689.6	565.8	680.9	744.0	656.7	4056.0
4.	RSH	0.0	0.0	154.2	63.1	0.0	0.0	217.3
5.	UH	0.0	54.4	0.0	0.0	0.0	63.3	117.7
6.	POH	0.0	0.0	0.0	0.0	0.0	48.0	48.0
7.	FOH	0.0	54.4	0.0	0.0	0.0	15.3	69.7
8.	MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.	PFOH	80.8	258.9	87.4	0.0	134.8	23.1	585.0
10.	LR pf (MW)	94.1	87.1	70.4	0.0	93.1	185.1	90.8
11.	PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	LR pm (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	NSC (MW)	430.0	510.0	510.0	510.0	510.0	510.0	496.7
14.	Oper MBtu	2706605	2235233	1672584	2288600	2578943	1842814	13324779
15.	Net Gen (MWH)	264508	214541	159395	222299	249408	175135	1285286
16.	ANOHR (Btu/KWH)	10233	10419	10493	10295	10340	10522	10367
17.	NOF %	85.6	61.0	55.2	64.0	65.7	52.3	63.8
18.	NPC (MW)	430.0	510.0	510.0	510.0	510.0	510.0	496.7
19.	ANOHR Equation	10^6 / AKW * [297.36 - 55.04 * MAY + 49.04 * SEP] + 9,196						

Issued by: T. J. Bowden

Filed: November 17, 1995
Suspended:
Effective: November 17, 1995
Docket No.: 950001-EI
Order No.:

Planned Outage Schedules (Actual)

Period of: April 1995 - September 1995

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.

Public Service Commission

Docket #: _____

Contents: _____

DOCKET NO. 960001-EI
EXHIBITS FOR TRANSCRIPT DATED: 2/21/96
Beginning Exhibit # 22
Ending Exhibit # 30

Florida Public Service Commission
Docket No. 960001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. ___ (GDF-2)

EXHIBIT TO THE TESTIMONY OF

G. D. FONTAINE

IN FPSC DOCKET 960001-EI

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET NO. 960001-EI EXHIBIT NO 22
COMPANY/ WITNESS: Gpc / Fontaine
DATE: 9/21/96

I. DETERMINATION OF HEAT RATE TARGETS

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 - 36.01 * 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 - 40.31 * 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

WEEKLY UNIT OPERATING

DATA USED TO DEVELOP

TARGET HEAT RATE EQUATIONS

Data Base for CRIST 6 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
9884	168	274.8	76628	0	0	0	0	0	0	0	0	0	1	0	0	1992
10059	168	277.2	78939	0	0	0	0	0	0	0	0	0	1	0	0	1992
10078	126	265.9	73859	0	0	0	0	0	0	0	0	0	1	0	1	1992
10041	120	276.8	78576	0	0	0	0	0	0	0	0	0	1	0	0	1992
10161	133	271.8	76502	0	0	0	0	0	0	0	0	0	0	1	1	1992
10216	168	258.1	69975	0	0	0	0	0	0	0	0	0	0	1	0	1992
10313	168	237.4	58284	0	0	0	0	0	0	0	0	0	0	1	0	1992
10235	73	263.9	72063	0	0	0	0	0	0	0	0	0	0	1	1	1992
10130	168	266.4	72375	0	0	0	0	0	0	0	0	0	0	1	0	1992
10200	153	262.7	72166	0	0	0	0	0	0	0	0	0	0	0	0	1992
10335	168	264.2	72932	0	0	0	0	0	0	0	0	0	0	0	0	1992
10239	165	234.1	60952	0	0	0	0	0	0	0	0	0	0	0	0	1992
10562	41	244.0	65437	0	0	0	0	0	0	0	0	0	0	0	1	1992
10380	168	223.4	55689	1	0	0	0	0	0	0	0	0	0	0	0	1993
10315	168	235.7	60940	1	0	0	0	0	0	0	0	0	0	0	0	1993
10315	168	251.1	66555	1	0	0	0	0	0	0	0	0	0	0	0	1993
10488	168	223.8	55685	1	0	0	0	0	0	0	0	0	0	0	0	1993
10393	168	196.5	42827	1	0	0	0	0	0	0	0	0	0	0	0	1993
10058	168	233.1	57659	0	1	0	0	0	0	0	0	0	0	0	0	1993
10229	168	228.6	55908	0	1	0	0	0	0	0	0	0	0	0	0	1993
9931	44	259.1	70197	0	1	0	0	0	0	0	0	0	0	0	0	1993
13642	19	110.6	12939	0	0	1	0	0	0	0	0	0	0	0	1	1993
10648	146	193.1	38772	0	0	1	0	0	0	0	0	0	0	0	0	1993
10975	168	170.9	31736	0	0	1	0	0	0	0	0	0	0	0	0	1993
10185	168	268.0	74198	0	0	1	0	0	0	0	0	0	0	0	0	1993
10299	143	267.6	74041	0	0	0	1	0	0	0	0	0	0	0	1	1993
10142	168	258.1	70372	0	0	0	1	0	0	0	0	0	0	0	0	1993
10063	168	272.5	76444	0	0	0	1	0	0	0	0	0	0	0	0	1993
10093	168	267.5	74623	0	0	0	1	0	0	0	0	0	0	0	0	1993
10280	168	250.3	67175	0	0	0	0	1	0	0	0	0	0	0	0	1993
10453	168	249.9	67560	0	0	0	0	1	0	0	0	0	0	0	0	1993
10286	109	250.8	68088	0	0	0	0	1	0	0	0	0	0	0	1	1993
10430	168	237.8	61806	0	0	0	0	1	0	0	0	0	0	0	0	1993
10242	168	244.4	64331	0	0	0	0	1	0	0	0	0	0	0	0	1993
10187	168	266.5	74143	0	0	0	0	0	1	0	0	0	0	0	0	1993
10263	168	259.5	72857	0	0	0	0	0	1	0	0	0	0	0	0	1993
10476	168	249.5	67030	0	0	0	0	0	1	0	0	0	0	0	0	1993
10554	97	173.6	36292	0	0	0	0	0	1	0	0	0	0	0	1	1993
10832	140	184.4	41323	0	0	0	0	0	0	1	0	0	0	0	1	1993
10729	168	229.2	59481	0	0	0	0	0	0	1	0	0	0	0	0	1993
10210	168	266.0	75116	0	0	0	0	0	0	1	0	0	0	0	0	1993
10240	168	273.2	77881	0	0	0	0	0	0	1	0	0	0	0	0	1993
10546	168	244.0	65528	0	0	0	0	0	0	0	1	0	0	0	0	1993
10748	168	224.0	55916	0	0	0	0	0	0	0	1	0	0	0	0	1993
10348	168	250.8	67753	0	0	0	0	0	0	0	1	0	0	0	0	1993
10267	168	246.9	65043	0	0	0	0	0	0	0	1	0	0	0	0	1993
10210	168	260.1	70839	0	0	0	0	0	0	0	1	0	0	0	0	1993

Data Base for CRIST 6 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10366	168	238.7	62037	0	0	0	0	0	0	0	0	1	0	0	0	1993
10602	98	188.1	39906	0	0	0	0	0	0	0	0	1	0	0	1	1993
10246	168	216.1	52650	0	0	0	0	0	0	0	0	1	0	0	0	1993
11068	106	194.2	44146	0	0	0	0	0	0	0	0	1	0	0	1	1993
12677	27	88.5	8112	0	0	0	0	0	0	0	0	0	1	0	1	1993
10151	168	224.3	55553	0	0	0	0	0	0	0	0	0	1	0	0	1993
10113	152	240.4	62357	0	0	0	0	0	0	0	0	0	1	0	0	1993
10376	162	216.8	53008	0	0	0	0	0	0	0	0	0	1	0	0	1993
10165	132	242.7	63340	0	0	0	0	0	0	0	0	0	0	1	0	1993
9995	168	237.0	60256	0	0	0	0	0	0	0	0	0	0	1	0	1993
10468	168	253.3	68126	0	0	0	0	0	0	0	0	0	0	1	0	1993
10158	168	224.7	54695	0	0	0	0	0	0	0	0	0	0	1	0	1993
10564	168	207.1	47420	0	0	0	0	0	0	0	0	0	0	1	0	1993
10887	168	152.4	26490	0	0	0	0	0	0	0	0	0	0	0	0	1993
10704	168	154.4	27074	0	0	0	0	0	0	0	0	0	0	0	0	1993
10856	168	153.6	25973	0	0	0	0	0	0	0	0	0	0	0	0	1993
10958	168	134.9	19733	0	0	0	0	0	0	0	0	0	0	0	0	1993
10425	168	217.4	51898	1	0	0	0	0	0	0	0	0	0	0	0	1994
10808	168	221.2	53016	1	0	0	0	0	0	0	0	0	0	0	0	1994
10474	168	256.5	68482	1	0	0	0	0	0	0	0	0	0	0	0	1994
10754	82	210.3	47431	1	0	0	0	0	0	0	0	0	0	0	0	1994
10408	110	237.4	59828	1	0	0	0	0	0	0	0	0	0	0	1	1994
10528	149	199.6	44018	0	1	0	0	0	0	0	0	0	0	0	0	1994
10313	168	239.4	61692	0	1	0	0	0	0	0	0	0	0	0	0	1994
10516	168	224.6	56000	0	1	0	0	0	0	0	0	0	0	0	0	1994
10504	144	225.4	55333	0	1	0	0	0	0	0	0	0	0	0	0	1994
11580	105	152.2	27037	0	0	0	0	1	0	0	0	0	0	0	1	1994
10959	168	196.9	42456	0	0	0	0	0	1	0	0	0	0	0	0	1994
10713	110	222.4	56334	0	0	0	0	0	1	0	0	0	0	0	1	1994
10973	158	198.7	45361	0	0	0	0	0	1	0	0	0	0	0	0	1994
11121	168	208.1	49456	0	0	0	0	0	1	0	0	0	0	0	0	1994
11159	97	186.2	40420	0	0	0	0	0	0	1	0	0	0	0	1	1994
11195	168	194.4	45262	0	0	0	0	0	0	1	0	0	0	0	0	1994
11489	117	197.2	45572	0	0	0	0	0	0	1	0	0	0	0	0	1994
11343	159	164.5	32085	0	0	0	0	0	0	1	0	0	0	0	1	1994
10675	168	213.4	52943	0	0	0	0	0	0	0	1	0	0	0	0	1994
10646	142	211.7	51601	0	0	0	0	0	0	0	1	0	0	0	1	1994
10632	168	207.0	50118	0	0	0	0	0	0	0	1	0	0	0	0	1994
10793	168	181.8	38971	0	0	0	0	0	0	0	1	0	0	0	0	1994
10736	168	195.8	44957	0	0	0	0	0	0	0	1	0	0	0	0	1994
12130	16	114.8	13927	0	0	0	0	0	0	0	0	1	0	0	0	1994
10757	67	218.9	56460	0	0	0	0	0	0	0	0	1	0	0	1	1994
10798	168	190.3	44971	0	0	0	0	0	0	0	0	1	0	0	0	1994
11145	168	170.0	35440	0	0	0	0	0	0	0	0	1	0	0	0	1994
11359	24	153.1	26177	0	0	0	0	0	0	0	0	1	0	0	0	1994
10892	168	161.9	30394	0	0	0	0	0	0	0	0	0	1	0	0	1994
10723	168	170.3	32759	0	0	0	0	0	0	0	0	0	1	0	0	1994

Data Base for CRIST 6 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10729	168	162.7	30658	0	0	0	0	0	0	0	0	0	1	0	0	1994
10935	35	134.7	20990	0	0	0	0	0	0	0	0	0	1	0	0	1994
10465	118	200.1	44824	0	0	0	0	0	0	0	0	0	0	1	1	1994
10693	168	160.2	28516	0	0	0	0	0	0	0	0	0	0	1	0	1994
10719	167	164.7	33123	0	0	0	0	0	0	0	0	0	0	1	0	1994
10667	168	165.4	32855	0	0	0	0	0	0	0	0	0	0	1	0	1994
11130	156	139.5	21148	0	0	0	0	0	0	0	0	0	0	0	1	1994
11224	168	126.8	16962	0	0	0	0	0	0	0	0	0	0	0	0	1994
10911	155	135.9	19918	1	0	0	0	0	0	0	0	0	0	0	0	1995
12476	43	122.3	15915	1	0	0	0	0	0	0	0	0	0	0	2	1995
11037	161	146.8	23697	0	1	0	0	0	0	0	0	0	0	0	0	1995
11265	134	127.7	17434	0	1	0	0	0	0	0	0	0	0	0	1	1995
11471	168	126.8	16967	0	1	0	0	0	0	0	0	0	0	0	0	1995
11212	19	126.0	16086	0	1	0	0	0	0	0	0	0	0	0	0	1995
11661	28	145.5	22787	0	0	1	0	0	0	0	0	0	0	0	1	1995
11506	106	124.9	16409	0	0	1	0	0	0	0	0	0	0	0	0	1995
* 12227	16	121.2	15206	0	0	1	0	0	0	0	0	0	0	0	1	1995
11168	168	132.1	18696	0	0	1	0	0	0	0	0	0	0	0	0	1995
11023	167	160.6	31249	0	0	0	1	0	0	0	0	0	0	0	0	1995
11259	143	139.9	22998	0	0	0	1	0	0	0	0	0	0	0	0	1995
11199	154	172.5	35840	0	0	0	1	0	0	0	0	0	0	0	1	1995
12451	11	107.4	12726	0	0	0	1	0	0	0	0	0	0	0	0	1995
11490	107	138.7	22485	0	0	0	0	1	0	0	0	0	0	0	1	1995
11286	168	148.2	25839	0	0	0	0	1	0	0	0	0	0	0	0	1995
11169	168	180.9	38194	0	0	0	0	1	0	0	0	0	0	0	0	1995
11121	168	176.0	38226	0	0	0	0	1	0	0	0	0	0	0	0	1995
11501	168	138.4	21466	0	0	0	0	1	0	0	0	0	0	0	0	1995
10949	168	195.4	44859	0	0	0	0	0	1	0	0	0	0	0	0	1995
11345	104	155.7	29441	0	0	0	0	0	1	0	0	0	0	0	0	1995
11218	76	159.0	29713	0	0	0	0	0	1	0	0	0	0	0	2	1995
10640	168	210.3	50639	0	0	0	0	0	1	0	0	0	0	0	0	1995
11418	108	150.1	26757	0	0	0	0	0	0	1	0	0	0	0	1	1995
11025	168	184.4	40441	0	0	0	0	0	0	1	0	0	0	0	0	1995
10903	168	192.9	43860	0	0	0	0	0	0	1	0	0	0	0	0	1995
10916	168	184.3	38638	0	0	0	0	0	0	1	0	0	0	0	0	1995
11159	168	176.6	36791	0	0	0	0	0	0	0	1	0	0	0	0	1995
11188	168	178.2	36748	0	0	0	0	0	0	0	1	0	0	0	0	1995
11109	168	230.1	60291	0	0	0	0	0	0	0	1	0	0	0	0	1995
10928	168	210.7	50719	0	0	0	0	0	0	0	1	0	0	0	0	1995
11305	168	188.4	40732	0	0	0	0	0	0	0	1	0	0	0	0	1995
12225	108	119.8	15657	0	0	0	0	0	0	0	0	1	0	0	0	1995
11991	116	155.8	26778	0	0	0	0	0	0	0	0	1	0	0	1	1995
11784	76	162.9	30184	0	0	0	0	0	0	0	0	1	0	0	1	1995

Data Base for CRIST 6 Target Heat Rate Equation

HR	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.
HOUR	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
JAN to NOV	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of unit start ups during the week after being shut down for 24 hours or more.
YEAR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for CRIST 7 Target Heat Rate Equation

HR	HOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10052	168	448.7	204074	0	0	0	0	0	0	0	0	0	1	0	0	1992
10130	168	417.5	190100	0	0	0	0	0	0	0	0	0	1	0	0	1992
9907	154	457.6	215447	0	0	0	0	0	0	0	0	0	1	0	0	1992
10174	168	401.8	176941	0	0	0	0	0	0	0	0	0	1	0	0	1992
10213	168	475.1	227655	0	0	0	0	0	0	0	0	0	0	1	0	1992
10295	141	452.0	207902	0	0	0	0	0	0	0	0	0	0	1	0	1992
10255	166	426.6	187530	0	0	0	0	0	0	0	0	0	0	1	1	1992
10259	168	445.1	200366	0	0	0	0	0	0	0	0	0	0	1	0	1992
10119	168	430.9	196930	0	0	0	0	0	0	0	0	0	0	0	0	1992
10134	168	456.2	212471	0	0	0	0	0	0	0	0	0	0	0	0	1992
10198	124	379.8	160198	0	0	0	0	0	0	0	0	0	0	0	0	1992
10081	134	362.4	147506	0	0	0	0	0	0	0	0	0	0	0	1	1992
10093	168	385.7	164639	1	0	0	0	0	0	0	0	0	0	0	0	1993
10178	168	406.0	178616	1	0	0	0	0	0	0	0	0	0	0	0	1993
10230	168	423.7	187429	1	0	0	0	0	0	0	0	0	0	0	0	1993
10197	168	439.9	202936	1	0	0	0	0	0	0	0	0	0	0	0	1993
10062	168	449.0	210879	1	0	0	0	0	0	0	0	0	0	0	0	1993
10151	168	434.1	195273	0	1	0	0	0	0	0	0	0	0	0	0	1993
10021	168	406.2	175088	0	1	0	0	0	0	0	0	0	0	0	0	1993
10082	168	429.3	193698	0	1	0	0	0	0	0	0	0	0	0	0	1993
9951	105	417.6	184000	0	1	0	0	0	0	0	0	0	0	0	1	1993
10037	168	441.7	201464	0	0	1	0	0	0	0	0	0	0	0	0	1993
10091	168	456.1	213530	0	0	1	0	0	0	0	0	0	0	0	0	1993
9954	37	448.2	208346	0	0	1	0	0	0	0	0	0	0	0	0	1993
13941	23	159.2	26204	0	0	0	0	1	0	0	0	0	0	0	1	1993
11725	38	202.9	46155	0	0	0	0	1	0	0	0	0	0	0	1	1993
10902	49	240.6	62949	0	0	0	0	0	1	0	0	0	0	0	1	1993
10179	153	394.1	167217	0	0	0	0	0	1	0	0	0	0	0	1	1993
10078	168	411.8	182239	0	0	0	0	0	1	0	0	0	0	0	0	1993
10385	168	412.5	184478	0	0	0	0	0	1	0	0	0	0	0	0	1993
10260	168	419.3	187347	0	0	0	0	0	0	1	0	0	0	0	0	1993
10341	168	411.0	183457	0	0	0	0	0	0	1	0	0	0	0	0	1993
10300	168	432.0	195415	0	0	0	0	0	0	1	0	0	0	0	0	1993
10421	168	444.3	203094	0	0	0	0	0	0	1	0	0	0	0	0	1993
10503	168	400.8	174476	0	0	0	0	0	0	0	1	0	0	0	0	1993
10452	168	424.9	192743	0	0	0	0	0	0	0	1	0	0	0	0	1993
10424	168	424.8	192017	0	0	0	0	0	0	0	1	0	0	0	0	1993
10240	168	430.1	195149	0	0	0	0	0	0	0	1	0	0	0	0	1993
10213	136	423.3	189708	0	0	0	0	0	0	0	1	0	0	0	1	1993
10354	168	403.5	176250	0	0	0	0	0	0	0	0	1	0	0	0	1993
10303	168	424.7	190679	0	0	0	0	0	0	0	0	1	0	0	0	1993
10108	168	417.5	185641	0	0	0	0	0	0	0	0	1	0	0	0	1993
10264	69	372.6	153638	0	0	0	0	0	0	0	0	1	0	0	0	1993
10751	22	292.7	99252	0	0	0	0	0	0	0	0	1	0	0	1	1993
10306	168	401.2	176698	0	0	0	0	0	0	0	0	0	1	0	0	1993
10368	153	379.2	157635	0	0	0	0	0	0	0	0	0	1	0	0	1993
10165	168	417.4	183508	0	0	0	0	0	0	0	0	0	1	0	0	1993

Data Base for CRIST 7 Target Heat Rate Equation

HR	HOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10074	75	382.5	163620	0	0	0	0	0	0	0	0	0	1	0	1	1993
10212	169	428.8	190111	0	0	0	0	0	0	0	0	0	0	1	0	1993
10216	168	402.4	174229	0	0	0	0	0	0	0	0	0	0	1	0	1993
10489	168	306.2	114117	0	0	0	0	0	0	0	0	0	0	1	0	1993
10482	125	341.3	135571	0	0	0	0	0	0	0	0	0	0	1	1	1993
10309	168	404.7	177745	0	0	0	0	0	0	0	0	0	0	1	0	1993
10649	17	373.5	159055	0	0	0	0	0	0	0	0	0	0	0	0	1993
* 31418	11	106.4	15525	0	0	0	0	0	0	0	0	0	0	0	4	1993
* 12823	8	140.9	22529	0	0	0	0	0	0	0	0	0	0	0	1	1993
12136	56	271.9	97925	1	0	0	0	0	0	0	0	0	0	0	4	1994
10505	138	384.2	165997	1	0	0	0	0	0	0	0	0	0	0	2	1994
10355	166	450.5	210371	1	0	0	0	0	0	0	0	0	0	0	0	1994
10466	157	347.0	132003	1	0	0	0	0	0	0	0	0	0	0	0	1994
10373	168	392.6	163074	1	0	0	0	0	0	0	0	0	0	0	0	1994
10665	21	399.5	168986	0	1	0	0	0	0	0	0	0	0	0	0	1994
10839	68	273.6	90231	0	1	0	0	0	0	0	0	0	0	0	2	1994
10366	168	359.9	139946	0	1	0	0	0	0	0	0	0	0	0	0	1994
10342	168	388.0	162970	0	0	1	0	0	0	0	0	0	0	0	0	1994
10450	146	361.3	145378	0	0	1	0	0	0	0	0	0	0	0	0	1994
10351	168	358.5	147439	0	0	1	0	0	0	0	0	0	0	0	0	1994
10280	168	341.4	123881	0	0	1	0	0	0	0	0	0	0	0	0	1994
10562	99	338.1	124070	0	0	0	1	0	0	0	0	0	0	0	3	1994
10285	156	402.3	174872	0	0	0	1	0	0	0	0	0	0	0	0	1994
10407	168	333.1	128129	0	0	0	1	0	0	0	0	0	0	0	0	1994
10251	168	440.8	202555	0	0	0	1	0	0	0	0	0	0	0	0	1994
10264	168	428.6	194867	0	0	0	0	1	0	0	0	0	0	0	0	1994
10279	107	411.3	182552	0	0	0	0	1	0	0	0	0	0	0	1	1994
10297	168	406.4	175655	0	0	0	0	1	0	0	0	0	0	0	0	1994
10260	112	400.6	175790	0	0	0	0	1	0	0	0	0	0	0	1	1994
10425	168	387.7	164374	0	0	0	0	1	0	0	0	0	0	0	0	1994
10474	118	368.7	150458	0	0	0	0	0	1	0	0	0	0	0	1	1994
10403	168	390.1	167774	0	0	0	0	0	1	0	0	0	0	0	0	1994
10492	168	369.0	152376	0	0	0	0	0	1	0	0	0	0	0	0	1994
10629	168	362.0	144879	0	0	0	0	0	1	0	0	0	0	0	0	1994
10638	168	324.1	121933	0	0	0	0	0	0	1	0	0	0	0	0	1994
10706	168	327.7	123922	0	0	0	0	0	0	1	0	0	0	0	0	1994
10525	168	384.7	162786	0	0	0	0	0	0	1	0	0	0	0	0	1994
10661	168	336.3	127242	0	0	0	0	0	0	1	0	0	0	0	0	1994
10601	168	338.6	131243	0	0	0	0	0	0	0	1	0	0	0	0	1994
10679	168	342.3	134693	0	0	0	0	0	0	0	1	0	0	0	0	1994
10604	142	323.6	121504	0	0	0	0	0	0	0	1	0	0	0	1	1994
10699	168	321.2	120721	0	0	0	0	0	0	0	1	0	0	0	0	1994
10708	168	328.7	125866	0	0	0	0	0	0	0	1	0	0	0	0	1994
10975	168	235.0	61780	0	0	0	0	0	0	0	0	1	0	0	0	1994
10712	168	288.0	99116	0	0	0	0	0	0	0	0	1	0	0	0	1994
10893	21	263.9	82214	0	0	0	0	0	0	0	0	1	0	0	0	1994
11412	13	240.5	65010	0	0	0	0	0	0	0	0	1	0	0	1	1994

Data Base for CRIST 7 Target Heat Rate Equation

	HR	HOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
	10729	79	271.9	84610	0	0	0	0	0	0	0	0	0	1	0	0	1994
	10359	102	349.0	139017	0	0	0	0	0	0	0	0	0	1	0	1	1994
	10326	168	330.3	125548	0	0	0	0	0	0	0	0	0	1	0	0	1994
	10180	169	363.6	147970	0	0	0	0	0	0	0	0	0	0	1	0	1994
	10348	47	322.1	118229	0	0	0	0	0	0	0	0	0	0	1	0	1994
	10923	68	295.6	105226	0	0	0	0	0	0	0	0	0	0	1	1	1994
	10601	166	300.1	104849	0	0	0	0	0	0	0	0	0	0	0	0	1994
	10556	158	296.8	100241	0	0	0	0	0	0	0	0	0	0	0	0	1994
	10495	15	205.8	42470	0	0	0	0	0	0	0	0	0	0	0	0	1994
	11063	91	241.4	64833	1	0	0	0	0	0	0	0	0	0	0	1	1995
	11144	168	205.8	44161	1	0	0	0	0	0	0	0	0	0	0	0	1995
	10772	168	242.8	67240	1	0	0	0	0	0	0	0	0	0	0	0	1995
	10876	168	243.0	66794	1	0	0	0	0	0	0	0	0	0	0	0	1995
	10936	168	230.0	57242	1	0	0	0	0	0	0	0	0	0	0	0	1995
	10934	168	254.9	73444	0	1	0	0	0	0	0	0	0	0	0	0	1995
	11275	81	193.2	40317	0	1	0	0	0	0	0	0	0	0	0	0	1995
	11017	148	248.3	68699	0	1	0	0	0	0	0	0	0	0	0	1	1995
	10906	168	258.3	77339	0	0	1	0	0	0	0	0	0	0	0	0	1995
	11078	100	214.4	48212	0	0	1	0	0	0	0	0	0	0	0	1	1995
	10784	168	264.9	82120	0	0	1	0	0	0	0	0	0	0	0	0	1995
	10956	168	240.3	63954	0	0	1	0	0	0	0	0	0	0	0	0	1995
	11139	167	198.8	39985	0	0	0	1	0	0	0	0	0	0	0	0	1995
	10817	168	243.3	68305	0	0	0	1	0	0	0	0	0	0	0	0	1995
	10857	168	294.5	104401	0	0	0	1	0	0	0	0	0	0	0	0	1995
	11092	168	226.9	55323	0	0	0	1	0	0	0	0	0	0	0	0	1995
	11156	168	220.1	53031	0	0	0	0	1	0	0	0	0	0	0	0	1995
	10844	168	288.2	98355	0	0	0	0	1	0	0	0	0	0	0	0	1995
	10719	163	430.2	189076	0	0	0	0	1	0	0	0	0	0	0	0	1995
*	13009	13	160.7	29024	0	0	0	0	1	0	0	0	0	0	0	1	1995
	10873	147	246.7	70268	0	0	0	0	1	0	0	0	0	0	0	0	1995
	10854	142	348.1	138690	0	0	0	0	0	1	0	0	0	0	0	1	1995
	10770	168	303.1	108842	0	0	0	0	0	1	0	0	0	0	0	0	1995
	10442	168	327.0	120485	0	0	0	0	0	1	0	0	0	0	0	0	1995
	10567	164	362.1	144713	0	0	0	0	0	1	0	0	0	0	0	0	1995
	11142	44	299.2	102050	0	0	0	0	0	0	1	0	0	0	0	1	1995
	10519	168	344.2	134198	0	0	0	0	0	0	1	0	0	0	0	0	1995
	10925	168	339.1	131113	0	0	0	0	0	0	1	0	0	0	0	0	1995
	10982	168	364.3	149818	0	0	0	0	0	0	1	0	0	0	0	0	1995
	11032	168	323.6	119955	0	0	0	0	0	0	0	1	0	0	0	0	1995
	11119	168	287.2	88123	0	0	0	0	0	0	0	1	0	0	0	0	1995
	10711	168	374.6	154031	0	0	0	0	0	0	0	1	0	0	0	0	1995
	10809	95	338.2	134595	0	0	0	0	0	0	0	1	0	0	0	1	1995
	10543	168	344.1	136056	0	0	0	0	0	0	0	1	0	0	0	0	1995
	10733	168	282.8	91224	0	0	0	0	0	0	0	0	1	0	0	0	1995
	10679	168	312.5	110739	0	0	0	0	0	0	0	0	1	0	0	0	1995
	10885	168	308.9	108831	0	0	0	0	0	0	0	0	1	0	0	0	1995

Data Base for CRIST 7 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10635	168	301.5	103574	0	0	0	0	0	0	0	0	1	0	0	0	1995

Data Base for CRIST 7 Target Heat Rate Equation

HR	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.
HOUR	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
JAN to NOV	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of unit start ups during the week after being shut down for 24 hours or more.
YEAR	The year of the observation.
*	Indicates data points removed from the anaiysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for SMITH 1 Target Heat Rate Equation

NR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
9974	168	161.1	25962	0	0	0	0	0	0	0	0	0	1	0	0	1992
9881	168	161.0	25944	0	0	0	0	0	0	0	0	0	1	0	0	1992
10002	168	159.6	25570	0	0	0	0	0	0	0	0	0	1	0	0	1992
10057	168	160.5	25780	0	0	0	0	0	0	0	0	0	1	0	0	1992
9999	168	161.0	25947	0	0	0	0	0	0	0	0	0	0	1	0	1992
9987	168	160.9	25880	0	0	0	0	0	0	0	0	0	0	1	0	1992
10039	168	159.2	25416	0	0	0	0	0	0	0	0	0	0	1	0	1992
9923	168	159.6	25488	0	0	0	0	0	0	0	0	0	0	1	0	1992
9913	168	158.6	25182	0	0	0	0	0	0	0	0	0	0	1	0	1992
9876	168	157.5	24885	0	0	0	0	0	0	0	0	0	0	0	0	1992
10065	38	148.3	22778	0	0	0	0	0	0	0	0	0	0	0	0	1992
10436	41	111.8	14668	0	0	0	0	0	0	0	0	0	0	0	1	1992
10115	168	128.0	18251	0	0	0	0	0	0	0	0	0	0	0	0	1992
9971	168	114.8	13597	1	0	0	0	0	0	0	0	0	0	0	0	1993
9992	168	119.3	14458	1	0	0	0	0	0	0	0	0	0	0	0	1993
10105	168	153.6	23860	1	0	0	0	0	0	0	0	0	0	0	0	1993
10165	112	133.4	19297	1	0	0	0	0	0	0	0	0	0	0	0	1993
10190	153	141.6	20827	1	0	0	0	0	0	0	0	0	0	0	1	1993
10059	139	154.2	24108	0	1	0	0	0	0	0	0	0	0	0	0	1993
10075	150	148.4	22540	0	1	0	0	0	0	0	0	0	0	0	1	1993
10124	168	149.2	22886	0	1	0	0	0	0	0	0	0	0	0	0	1993
10075	168	155.4	24364	0	1	0	0	0	0	0	0	0	0	0	0	1993
9953	155	154.2	24181	0	0	1	0	0	0	0	0	0	0	0	0	1993
10180	112	156.7	25061	0	0	1	0	0	0	0	0	0	0	0	1	1993
10132	168	159.8	25574	0	0	1	0	0	0	0	0	0	0	0	0	1993
10432	65	146.9	22293	0	0	1	0	0	0	0	0	0	0	0	0	1993
10104	166	156.2	24868	0	0	0	1	0	0	0	0	0	0	0	1	1993
10073	168	155.5	24296	0	0	0	1	0	0	0	0	0	0	0	0	1993
10129	168	157.9	24989	0	0	0	1	0	0	0	0	0	0	0	0	1993
10090	168	153.2	23689	0	0	0	1	0	0	0	0	0	0	0	0	1993
10105	168	138.0	19422	0	0	0	0	1	0	0	0	0	0	0	0	1993
10365	168	131.6	17924	0	0	0	0	1	0	0	0	0	0	0	0	1993
10561	124	142.5	21203	0	0	0	0	1	0	0	0	0	0	0	1	1993
10195	168	124.9	16136	0	0	0	0	1	0	0	0	0	0	0	0	1993
10225	168	146.7	22070	0	0	0	0	1	0	0	0	0	0	0	0	1993
10191	168	153.3	23761	0	0	0	0	0	1	0	0	0	0	0	0	1993
10512	168	138.3	20375	0	0	0	0	0	1	0	0	0	0	0	0	1993
10162	168	152.5	23503	0	0	0	0	0	1	0	0	0	0	0	0	1993
10101	120	149.9	22883	0	0	0	0	0	1	0	0	0	0	0	0	1993
10154	165	151.3	23327	0	0	0	0	0	0	1	0	0	0	0	1	1993
10207	116	145.3	21851	0	0	0	0	0	0	1	0	0	0	0	1	1993
10169	168	158.7	25196	0	0	0	0	0	0	1	0	0	0	0	0	1993
10207	168	159.3	25386	0	0	0	0	0	0	1	0	0	0	0	0	1993
10223	168	152.3	23527	0	0	0	0	0	0	0	1	0	0	0	0	1993
10188	168	149.5	22654	0	0	0	0	0	0	0	1	0	0	0	0	1993
10150	168	154.7	24069	0	0	0	0	0	0	0	1	0	0	0	0	1993
10301	118	152.4	23751	0	0	0	0	0	0	0	1	0	0	0	1	1993

Data Base for SMITH 1 Target Heat Rate Equation

HR	HOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10162	168	157.6	24852	0	0	0	0	0	0	0	1	0	0	0	0	1993
10209	168	145.6	21909	0	0	0	0	0	0	0	0	1	0	0	0	1993
10286	168	153.7	23827	0	0	0	0	0	0	0	0	1	0	0	0	1993
10187	168	152.1	23390	0	0	0	0	0	0	0	0	1	0	0	0	1993
10076	137	150.3	23093	0	0	0	0	0	0	0	0	1	0	0	1	1993
10101	24	153.1	23538	0	0	0	0	0	0	0	0	1	0	0	0	1993
10047	168	151.8	23218	0	0	0	0	0	0	0	0	0	1	0	0	1993
10092	168	152.9	23548	0	0	0	0	0	0	0	0	0	1	0	0	1993
10208	168	156.7	24632	0	0	0	0	0	0	0	0	0	1	0	0	1993
10227	168	149.1	22517	0	0	0	0	0	0	0	0	0	1	0	0	1993
10295	161	152.6	23569	0	0	0	0	0	0	0	0	0	0	1	0	1993
10523	168	152.6	23591	0	0	0	0	0	0	0	0	0	0	1	0	1993
10912	13	142.0	21706	0	0	0	0	0	0	0	0	0	0	1	0	1993
10349	138	141.4	21169	0	0	0	0	0	0	0	0	0	0	1	1	1993
10179	168	137.6	19908	0	0	0	0	0	0	0	0	0	0	1	0	1993
10124	168	106.3	12922	0	0	0	0	0	0	0	0	0	0	0	0	1993
10716	72	104.1	12056	0	0	0	0	0	0	0	0	0	0	0	0	1993
10662	73	141.8	20985	1	0	0	0	0	0	0	0	0	0	0	1	1994
10428	168	150.6	22913	1	0	0	0	0	0	0	0	0	0	0	0	1994
10331	168	157.3	24757	1	0	0	0	0	0	0	0	0	0	0	0	1994
10439	168	149.8	22667	1	0	0	0	0	0	0	0	0	0	0	0	1994
10382	168	151.9	23232	1	0	0	0	0	0	0	0	0	0	0	0	1994
10507	168	143.4	20965	0	1	0	0	0	0	0	0	0	0	0	0	1994
10475	19	130.8	18192	0	1	0	0	0	0	0	0	0	0	0	0	1994
10237	109	148.7	22849	0	0	0	0	1	0	0	0	0	0	0	1	1994
10112	97	155.0	24701	0	0	0	0	1	0	0	0	0	0	0	0	1994
10308	128	138.3	20566	0	0	0	0	1	0	0	0	0	0	0	1	1994
10012	168	151.1	23274	0	0	0	0	0	1	0	0	0	0	0	0	1994
9976	168	148.0	22572	0	0	0	0	0	1	0	0	0	0	0	0	1994
10133	168	146.0	22091	0	0	0	0	0	1	0	0	0	0	0	0	1994
10218	168	146.3	22146	0	0	0	0	0	1	0	0	0	0	0	0	1994
10274	168	129.2	18447	0	0	0	0	0	0	1	0	0	0	0	0	1994
10329	142	130.6	18826	0	0	0	0	0	0	1	0	0	0	0	1	1994
10261	168	146.4	21979	0	0	0	0	0	0	1	0	0	0	0	0	1994
10364	168	141.7	21082	0	0	0	0	0	0	1	0	0	0	0	0	1994
10274	168	137.7	20268	0	0	0	0	0	0	0	1	0	0	0	0	1994
10280	168	142.9	21275	0	0	0	0	0	0	0	1	0	0	0	0	1994
10144	168	140.2	20508	0	0	0	0	0	0	0	1	0	0	0	0	1994
10260	168	140.9	20734	0	0	0	0	0	0	0	1	0	0	0	0	1994
10371	168	143.2	21267	0	0	0	0	0	0	0	1	0	0	0	0	1994
10214	168	135.5	19469	0	0	0	0	0	0	0	0	1	0	0	0	1994
10273	151	134.0	19345	0	0	0	0	0	0	0	0	1	0	0	0	1994
10283	168	136.5	19666	0	0	0	0	0	0	0	0	1	0	0	0	1994
10245	168	139.5	20374	0	0	0	0	0	0	0	0	1	0	0	0	1994
10157	24	130.8	18450	0	0	0	0	0	0	0	0	1	0	0	0	1994
10262	168	138.4	20164	0	0	0	0	0	0	0	0	0	1	0	0	1994
10282	168	140.2	20519	0	0	0	0	0	0	0	0	0	1	0	0	1994

Data Base for SMITH 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10140	168	153.0	23696	0	0	0	0	0	0	0	0	1	0	0	0	1995
9991	24	157.0	24689	0	0	0	0	0	0	0	0	1	0	0	0	1995

Data Base for SMITH 1 Target Heat Rate Equation

HR	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.
HOUR	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
JAN to NOV	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of unit start ups during the week after being shut down for 24 hours or more.
YEAR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for SMITH 2 Target Heat Rate Equation

	HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
*	9176	134	172.2	30525	0	0	0	0	0	0	0	0	0	1	0	1	1992
	9937	168	182.5	33433	0	0	0	0	0	0	0	0	0	1	0	0	1992
	10008	168	185.0	34277	0	0	0	0	0	0	0	0	0	1	0	0	1992
	10026	168	182.4	33443	0	0	0	0	0	0	0	0	0	1	0	0	1992
	10071	168	184.6	34151	0	0	0	0	0	0	0	0	0	0	1	0	1992
	10086	168	186.3	34721	0	0	0	0	0	0	0	0	0	0	1	0	1992
	10061	168	180.3	32653	0	0	0	0	0	0	0	0	0	0	1	0	1992
	9952	168	183.1	33616	0	0	0	0	0	0	0	0	0	0	1	0	1992
	10008	168	183.1	33617	0	0	0	0	0	0	0	0	0	0	1	0	1992
	9957	168	180.8	32883	0	0	0	0	0	0	0	0	0	0	0	0	1992
	9952	168	180.1	32835	0	0	0	0	0	0	0	0	0	0	0	0	1992
*	8929	168	150.6	25015	0	0	0	0	0	0	0	0	0	0	0	0	1992
	10217	110	124.7	18702	0	0	0	0	0	0	0	0	0	0	0	0	1992
	10218	65	159.0	27295	1	0	0	0	0	0	0	0	0	0	0	1	1993
	10043	168	160.9	27464	1	0	0	0	0	0	0	0	0	0	0	0	1993
	10270	131	166.3	29093	1	0	0	0	0	0	0	0	0	0	0	1	1993
	10196	168	160.4	27516	1	0	0	0	0	0	0	0	0	0	0	0	1993
	10156	168	158.5	26386	1	0	0	0	0	0	0	0	0	0	0	0	1993
	10022	44	165.9	28416	0	1	0	0	0	0	0	0	0	0	0	0	1993
*	16330	13	45.6	2327	0	0	0	0	1	0	0	0	0	0	0	2	1993
	9965	168	184.8	34711	0	0	0	0	1	0	0	0	0	0	0	0	1993
*	48555	3	21.3	827	0	0	0	0	1	0	0	0	0	0	0	1	1993
	10001	151	175.5	31721	0	0	0	0	1	0	0	0	0	0	0	1	1993
	10725	88	168.8	30117	0	0	0	0	1	0	0	0	0	0	0	1	1993
	10721	168	185.8	34610	0	0	0	0	0	1	0	0	0	0	0	0	1993
	10773	168	186.5	34838	0	0	0	0	0	1	0	0	0	0	0	0	1993
	10684	168	186.2	34717	0	0	0	0	0	1	0	0	0	0	0	0	1993
	10754	37	144.8	23920	0	0	0	0	0	1	0	0	0	0	0	1	1993
	10314	126	161.0	27156	0	0	0	0	0	0	1	0	0	0	0	1	1993
	10144	168	168.7	29652	0	0	0	0	0	0	1	0	0	0	0	0	1993
	10016	33	170.0	29530	0	0	0	0	0	0	1	0	0	0	0	0	1993
	10343	100	152.8	26198	0	0	0	0	0	0	0	1	0	0	0	1	1993
	10071	168	170.1	29827	0	0	0	0	0	0	0	1	0	0	0	0	1993
	10096	168	177.1	31927	0	0	0	0	0	0	0	1	0	0	0	0	1993
	10189	168	182.5	33523	0	0	0	0	0	0	0	1	0	0	0	0	1993
	10118	168	182.0	33385	0	0	0	0	0	0	0	1	0	0	0	0	1993
	10109	168	170.0	30134	0	0	0	0	0	0	0	0	1	0	0	0	1993
	10412	152	168.0	29587	0	0	0	0	0	0	0	0	1	0	0	0	1993
	10022	168	176.8	31826	0	0	0	0	0	0	0	0	1	0	0	0	1993
	10066	168	178.5	32426	0	0	0	0	0	0	0	0	1	0	0	0	1993
	10257	24	175.5	31410	0	0	0	0	0	0	0	0	1	0	0	0	1993
	10285	168	170.8	29966	0	0	0	0	0	0	0	0	0	1	0	0	1993
	10228	168	172.7	30613	0	0	0	0	0	0	0	0	0	1	0	0	1993
	10246	168	180.4	32926	0	0	0	0	0	0	0	0	0	1	0	0	1993
	10290	168	169.0	29624	0	0	0	0	0	0	0	0	0	1	0	0	1993
	10408	168	179.0	32670	0	0	0	0	0	0	0	0	0	0	1	0	1993
	10477	168	176.8	31863	0	0	0	0	0	0	0	0	0	0	1	0	1993

Data Base for SMITH 2 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10459	168	181.0	33063	0	0	0	0	0	0	0	0	0	0	1	0	1993
10358	168	169.9	29777	0	0	0	0	0	0	0	0	0	0	1	0	1993
10387	158	154.8	26107	0	0	0	0	0	0	0	0	0	0	1	0	1993
10635	100	122.2	17258	0	0	0	0	0	0	0	0	0	0	0	1	1993
10728	168	106.1	13450	0	0	0	0	0	0	0	0	0	0	0	0	1993
10788	168	97.1	10835	0	0	0	0	0	0	0	0	0	0	0	0	1993
10522	168	167.0	29059	1	0	0	0	0	0	0	0	0	0	0	0	1994
10363	168	172.4	30458	1	0	0	0	0	0	0	0	0	0	0	0	1994
10374	168	182.5	33459	1	0	0	0	0	0	0	0	0	0	0	0	1994
10217	168	170.5	29699	1	0	0	0	0	0	0	0	0	0	0	0	1994
10373	168	174.7	31185	1	0	0	0	0	0	0	0	0	0	0	0	1994
10354	168	164.3	28013	0	1	0	0	0	0	0	0	0	0	0	0	1994
10295	168	176.6	31738	0	1	0	0	0	0	0	0	0	0	0	0	1994
10316	168	168.5	29067	0	1	0	0	0	0	0	0	0	0	0	0	1994
10302	168	172.7	30648	0	1	0	0	0	0	0	0	0	0	0	0	1994
10428	12	111.4	14187	0	0	1	0	0	0	0	0	0	0	0	0	1994
10595	139	162.6	27648	0	0	1	0	0	0	0	0	0	0	0	1	1994
10392	168	172.2	30389	0	0	1	0	0	0	0	0	0	0	0	0	1994
10420	167	179.4	32553	0	0	0	1	0	0	0	0	0	0	0	0	1994
10450	168	177.7	32097	0	0	0	1	0	0	0	0	0	0	0	0	1994
10435	168	173.3	30774	0	0	0	1	0	0	0	0	0	0	0	0	1994
10476	168	179.9	32659	0	0	0	1	0	0	0	0	0	0	0	0	1994
10502	168	178.3	32230	0	0	0	0	1	0	0	0	0	0	0	0	1994
10504	168	178.7	32304	0	0	0	0	1	0	0	0	0	0	0	0	1994
10555	168	168.3	29348	0	0	0	0	1	0	0	0	0	0	0	0	1994
10269	168	161.2	27916	0	0	0	0	1	0	0	0	0	0	0	0	1994
10258	139	165.5	28932	0	0	0	0	1	0	0	0	0	0	0	1	1994
10459	168	169.9	29861	0	0	0	0	0	1	0	0	0	0	0	0	1994
10670	168	165.5	28736	0	0	0	0	0	1	0	0	0	0	0	0	1994
10437	168	163.3	28171	0	0	0	0	0	1	0	0	0	0	0	0	1994
10482	168	166.5	29039	0	0	0	0	0	1	0	0	0	0	0	0	1994
10432	168	146.4	24043	0	0	0	0	0	0	1	0	0	0	0	0	1994
10468	168	154.0	26029	0	0	0	0	0	0	1	0	0	0	0	0	1994
10526	168	162.1	27784	0	0	0	0	0	0	1	0	0	0	0	0	1994
10472	135	154.9	26140	0	0	0	0	0	0	1	0	0	0	0	1	1994
10507	168	156.6	26531	0	0	0	0	0	0	0	1	0	0	0	0	1994
10491	168	160.1	27229	0	0	0	0	0	0	0	1	0	0	0	0	1994
10615	168	159.9	27245	0	0	0	0	0	0	0	1	0	0	0	0	1994
10387	168	157.5	26571	0	0	0	0	0	0	0	1	0	0	0	0	1994
10694	168	158.6	26713	0	0	0	0	0	0	0	1	0	0	0	0	1994
10362	168	138.8	21574	0	0	0	0	0	0	0	0	1	0	0	0	1994
10308	168	144.7	23433	0	0	0	0	0	0	0	0	1	0	0	0	1994
10360	168	141.0	22259	0	0	0	0	0	0	0	0	1	0	0	0	1994
10427	168	149.5	24504	0	0	0	0	0	0	0	0	1	0	0	0	1994
10318	24	154.5	25890	0	0	0	0	0	0	0	0	1	0	0	0	1994
10514	168	144.6	22915	0	0	0	0	0	0	0	0	0	1	0	0	1994
10573	168	144.9	22992	0	0	0	0	0	0	0	0	0	1	0	0	1994

Data Base for SMITH 2 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10464	168	136.1	20768	0	0	0	0	0	0	0	0	0	1	0	0	1994
10487	168	132.2	19351	0	0	0	0	0	0	0	0	0	1	0	0	1994
10424	169	144.8	23109	0	0	0	0	0	0	0	0	0	0	1	0	1994
10311	168	151.7	25340	0	0	0	0	0	0	0	0	0	0	1	0	1994
10253	168	142.6	22710	0	0	0	0	0	0	0	0	0	0	1	0	1994
10232	168	129.8	19059	0	0	0	0	0	0	0	0	0	0	1	0	1994
10346	133	127.2	18706	0	0	0	0	0	0	0	0	0	0	1	0	1994
10504	118	136.6	21154	0	0	0	0	0	0	0	0	0	0	0	1	1994
10409	132	132.2	19823	0	0	0	0	0	0	0	0	0	0	0	0	1994
10299	116	180.2	33326	1	0	0	0	0	0	0	0	0	0	0	1	1995
10205	168	174.0	31197	1	0	0	0	0	0	0	0	0	0	0	0	1995
10420	168	182.4	33444	1	0	0	0	0	0	0	0	0	0	0	0	1995
10520	168	183.8	34015	1	0	0	0	0	0	0	0	0	0	0	0	1995
10407	168	168.3	29343	1	0	0	0	0	0	0	0	0	0	0	0	1995
10427	168	178.4	32422	0	1	0	0	0	0	0	0	0	0	0	0	1995
10216	167	162.5	27914	0	1	0	0	0	0	0	0	0	0	0	0	1995
10492	115	156.0	26398	0	1	0	0	0	0	0	0	0	0	0	1	1995
10134	168	162.1	27418	0	1	0	0	0	0	0	0	0	0	0	0	1995
10165	168	171.3	30367	0	0	1	0	0	0	0	0	0	0	0	0	1995
10356	168	174.9	31060	0	0	1	0	0	0	0	0	0	0	0	0	1995
10363	168	174.5	31111	0	0	1	0	0	0	0	0	0	0	0	0	1995
10573	140	165.8	28879	0	0	0	1	0	0	0	0	0	0	0	1	1995
10363	168	169.8	29964	0	0	0	1	0	0	0	0	0	0	0	0	1995
10313	168	170.9	30102	0	0	0	1	0	0	0	0	0	0	0	0	1995
10368	168	165.8	28951	0	0	0	0	1	0	0	0	0	0	0	0	1995
10314	168	170.6	30259	0	0	0	0	1	0	0	0	0	0	0	0	1995
10251	168	178.4	32396	0	0	0	0	1	0	0	0	0	0	0	0	1995
10308	168	167.3	29330	0	0	0	0	1	0	0	0	0	0	0	0	1995
10458	168	173.8	31175	0	0	0	0	1	0	0	0	0	0	0	0	1995
10377	168	186.7	34930	0	0	0	0	0	1	0	0	0	0	0	0	1995
10420	168	187.8	35296	0	0	0	0	0	1	0	0	0	0	0	0	1995
10296	168	183.2	33885	0	0	0	0	0	1	0	0	0	0	0	0	1995
10194	168	188.8	35638	0	0	0	0	0	1	0	0	0	0	0	0	1995
10343	168	165.3	28604	0	0	0	0	0	0	1	0	0	0	0	0	1995
10505	168	170.1	29969	0	0	0	0	0	0	1	0	0	0	0	0	1995
10466	168	178.9	32481	0	0	0	0	0	0	1	0	0	0	0	0	1995
10551	167	176.7	32050	0	0	0	0	0	0	1	0	0	0	0	0	1995
10614	78	159.6	27520	0	0	0	0	0	0	0	1	0	0	0	2	1995
10624	145	160.0	27267	0	0	0	0	0	0	0	1	0	0	0	0	1995
10533	141	178.4	32615	0	0	0	0	0	0	0	1	0	0	0	1	1995
10221	168	178.6	32247	0	0	0	0	0	0	0	1	0	0	0	0	1995
10293	168	174.2	31043	0	0	0	0	0	0	0	1	0	0	0	0	1995
10293	165	149.2	24927	0	0	0	0	0	0	0	0	1	0	0	0	1995
10223	142	171.2	30647	0	0	0	0	0	0	0	0	1	0	0	1	1995
10171	168	169.5	29989	0	0	0	0	0	0	0	0	1	0	0	0	1995

Data Base for SMITH 2 Target Heat Rate Equation

HR	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.
HOUR	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
JAN to NOV	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of unit start ups during the week after being shut down for 24 hours or more.
YEAR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for DANIEL 1 Target Heat Rate Equation

HR	HOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
11688	62	173.8	32390	0	1	0	0	0	0	0	0	0	0	0	1	1993
10673	38	286.6	99563	0	1	0	0	0	0	0	0	0	0	0	0	1993
10643	50	287.4	105162	0	1	0	0	0	0	0	0	0	0	0	0	1993
10173	168	431.8	187453	0	0	1	0	0	0	0	0	0	0	0	0	1993
10646	168	275.8	93636	0	0	1	0	0	0	0	0	0	0	0	0	1993
11268	59	259.7	81395	0	0	1	0	0	0	0	0	0	0	0	0	1993
11897	41	156.9	25345	0	0	0	1	0	0	0	0	0	0	0	1	1993
10282	168	222.4	59260	0	0	0	1	0	0	0	0	0	0	0	0	1993
10567	120	350.3	126761	0	0	0	1	0	0	0	0	0	0	0	1	1993
10142	168	420.1	177048	0	0	0	1	0	0	0	0	0	0	0	0	1993
10581	168	381.5	150390	0	0	0	0	1	0	0	0	0	0	0	0	1993
11151	168	279.4	95480	0	0	0	0	1	0	0	0	0	0	0	0	1993
* 7617	144	374.3	148093	0	0	0	0	1	0	0	0	0	0	0	0	1993
10526	42	344.4	143836	0	0	0	0	0	1	0	0	0	0	0	1	1993
10473	164	270.5	94529	0	0	0	0	0	1	0	0	0	0	0	0	1993
10356	168	234.7	73480	0	0	0	0	0	1	0	0	0	0	0	0	1993
10510	109	207.1	54938	0	0	0	0	0	1	0	0	0	0	0	1	1993
10347	168	284.5	105581	0	0	0	0	0	0	1	0	0	0	0	0	1993
10420	160	274.4	100418	0	0	0	0	0	0	1	0	0	0	0	0	1993
10081	167	290.4	112566	0	0	0	0	0	0	1	0	0	0	0	0	1993
10179	168	327.8	136129	0	0	0	0	0	0	1	0	0	0	0	0	1993
10261	145	301.3	116996	0	0	0	0	0	0	0	1	0	0	0	0	1993
10018	168	291.1	107666	0	0	0	0	0	0	0	1	0	0	0	0	1993
10211	167	308.9	122262	0	0	0	0	0	0	0	1	0	0	0	0	1993
10205	168	322.2	131820	0	0	0	0	0	0	0	1	0	0	0	0	1993
10111	168	316.3	127017	0	0	0	0	0	0	0	1	0	0	0	0	1993
10115	168	277.3	97072	0	0	0	0	0	0	0	0	1	0	0	0	1993
10143	168	321.7	128796	0	0	0	0	0	0	0	0	1	0	0	0	1993
10300	109	315.0	124442	0	0	0	0	0	0	0	0	1	0	0	1	1993
10039	168	316.7	126832	0	0	0	0	0	0	0	0	1	0	0	0	1993
10629	11	165.5	30801	0	0	0	0	0	0	0	0	0	1	0	0	1993
10526	137	226.4	64132	0	0	0	0	0	0	0	0	0	0	1	1	1993
11163	45	189.6	43955	0	0	0	0	0	0	0	0	0	0	1	1	1993
10379	105	242.2	75192	0	0	0	0	0	0	0	0	0	0	1	1	1993
10886	107	162.8	27446	0	0	0	0	0	0	0	0	0	0	1	0	1993
10092	168	267.3	83672	1	0	0	0	0	0	0	0	0	0	0	0	1994
9862	168	373.8	156200	1	0	0	0	0	0	0	0	0	0	0	0	1994
9968	168	296.3	100772	1	0	0	0	0	0	0	0	0	0	0	0	1994
10120	168	405.8	166334	1	0	0	0	0	0	0	0	0	0	0	0	1994
10096	168	407.6	167534	0	1	0	0	0	0	0	0	0	0	0	0	1994
10040	168	427.2	182517	0	1	0	0	0	0	0	0	0	0	0	0	1994
9975	23	378.3	149905	0	1	0	0	0	0	0	0	0	0	0	0	1994
10061	76	354.9	136534	0	0	0	1	0	0	0	0	0	0	0	1	1994
10357	154	336.1	119122	0	0	0	1	0	0	0	0	0	0	0	0	1994
10222	168	390.1	154336	0	0	0	1	0	0	0	0	0	0	0	0	1994
10048	168	430.3	185999	0	0	0	1	0	0	0	0	0	0	0	0	1994
9573	168	390.3	164160	0	0	0	0	1	0	0	0	0	0	0	0	1994

Data Base for DANIEL 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
9945	168	311.6	118556	0	0	0	0	1	0	0	0	0	0	0	0	1994
10517	168	266.5	90096	0	0	0	0	1	0	0	0	0	0	0	0	1994
10362	168	262.2	86434	0	0	0	0	1	0	0	0	0	0	0	0	1994
10549	168	253.2	79757	0	0	0	0	1	0	0	0	0	0	0	0	1994
10484	168	252.4	80410	0	0	0	0	0	1	0	0	0	0	0	0	1994
10483	168	264.7	91410	0	0	0	0	0	1	0	0	0	0	0	0	1994
10352	168	249.1	80963	0	0	0	0	0	1	0	0	0	0	0	0	1994
10662	168	198.5	48416	0	0	0	0	0	1	0	0	0	0	0	0	1994
10718	168	207.3	55575	0	0	0	0	0	0	1	0	0	0	0	0	1994
10965	168	182.6	37478	0	0	0	0	0	0	1	0	0	0	0	0	1994
10324	131	286.8	105546	0	0	0	0	0	0	1	0	0	0	0	1	1994
10426	168	258.9	83486	0	0	0	0	0	0	1	0	0	0	0	0	1994
10031	168	348.4	141102	0	0	0	0	0	0	0	1	0	0	0	0	1994
10090	168	378.0	161966	0	0	0	0	0	0	0	1	0	0	0	0	1994
10469	168	357.4	146750	0	0	0	0	0	0	0	1	0	0	0	0	1994
10141	168	344.6	138508	0	0	0	0	0	0	0	1	0	0	0	0	1994
10222	168	355.3	145979	0	0	0	0	0	0	0	1	0	0	0	0	1994
10314	167	331.0	126090	0	0	0	0	0	0	0	0	1	0	0	0	1994
10188	168	383.3	163103	0	0	0	0	0	0	0	0	1	0	0	0	1994
10420	113	355.6	141720	0	0	0	0	0	0	0	0	1	0	0	0	1994
10412	81	392.6	170141	0	0	0	0	0	0	0	0	1	0	0	1	1994
9783	24	453.9	211989	0	0	0	0	0	0	0	0	1	0	0	0	1994
10439	168	361.3	136823	0	0	0	0	0	0	0	0	0	1	0	0	1994
10432	168	360.0	136510	0	0	0	0	0	0	0	0	0	1	0	0	1994
10432	168	376.4	146110	0	0	0	0	0	0	0	0	0	1	0	0	1994
10591	47	346.3	127218	0	0	0	0	0	0	0	0	0	1	0	0	1994
10395	114	383.6	152056	0	0	0	0	0	0	0	0	0	0	1	1	1994
10249	168	379.0	147266	0	0	0	0	0	0	0	0	0	0	1	0	1994
10381	168	381.0	149407	0	0	0	0	0	0	0	0	0	0	1	0	1994
10402	168	394.1	158400	0	0	0	0	0	0	0	0	0	0	0	0	1994
10354	87	408.9	170394	0	0	0	0	0	0	0	0	0	0	0	0	1994
10732	116	299.3	100057	1	0	0	0	0	0	0	0	0	0	0	1	1995
10631	168	268.9	81034	1	0	0	0	0	0	0	0	0	0	0	0	1995
10393	168	381.9	149822	1	0	0	0	0	0	0	0	0	0	0	0	1995
10499	168	354.3	130013	1	0	0	0	0	0	0	0	0	0	0	0	1995
10551	168	324.7	114119	1	0	0	0	0	0	0	0	0	0	0	0	1995
10857	117	382.5	152144	0	1	0	0	0	0	0	0	0	0	0	1	1995
10574	168	351.8	129906	0	1	0	0	0	0	0	0	0	0	0	0	1995
10516	168	330.0	115432	0	1	0	0	0	0	0	0	0	0	0	0	1995
10497	168	346.2	122924	0	1	0	0	0	0	0	0	0	0	0	0	1995
10479	121	369.7	142764	0	0	1	0	0	0	0	0	0	0	0	0	1995
10898	64	315.8	102049	0	0	1	0	0	0	0	0	0	0	0	1	1995
10695	83	332.5	114012	0	0	1	0	0	0	0	0	0	0	0	1	1995
10491	168	352.8	128577	0	0	1	0	0	0	0	0	0	0	0	0	1995
10490	167	344.3	125972	0	0	0	1	0	0	0	0	0	0	0	0	1995
10709	124	354.6	135572	0	0	0	1	0	0	0	0	0	0	0	1	1995
10481	168	367.1	147493	0	0	0	1	0	0	0	0	0	0	0	0	1995

Data Base for DANIEL 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10760	168	376.0	151333	0	0	0	1	0	0	0	0	0	0	0	0	1995
10717	168	287.3	95512	0	0	0	0	1	0	0	0	0	0	0	0	1995
10501	72	233.1	61578	0	0	0	0	1	0	0	0	0	0	0	0	1995
10501	112	312.9	118164	0	0	0	0	1	0	0	0	0	0	0	1	1995
11013	168	200.0	50198	0	0	0	0	1	0	0	0	0	0	0	0	1995
10876	168	354.0	137119	0	0	0	0	1	0	0	0	0	0	0	0	1995
10642	168	266.5	86931	0	0	0	0	0	1	0	0	0	0	0	0	1995
11099	111	210.2	56650	0	0	0	0	0	1	0	0	0	0	0	0	1995
10855	137	242.1	73812	0	0	0	0	0	1	0	0	0	0	0	1	1995
10842	168	251.5	79744	0	0	0	0	0	1	0	0	0	0	0	0	1995
11199	104	228.5	66236	0	0	0	0	0	0	1	0	0	0	0	1	1995
10476	168	331.6	135731	0	0	0	0	0	0	1	0	0	0	0	0	1995
10493	168	324.8	125628	0	0	0	0	0	0	1	0	0	0	0	0	1995
10571	168	350.8	143158	0	0	0	0	0	0	1	0	0	0	0	0	1995
10328	142	404.6	175558	0	0	0	0	0	0	0	1	0	0	0	0	1995
11109	93	284.0	102242	0	0	0	0	0	0	0	1	0	0	0	2	1995
10367	168	365.4	155265	0	0	0	0	0	0	0	1	0	0	0	0	1995
10450	168	345.3	144231	0	0	0	0	0	0	0	1	0	0	0	0	1995
10515	163	318.5	127649	0	0	0	0	0	0	0	1	0	0	0	0	1995
10795	110	257.2	83804	0	0	0	0	0	0	0	0	1	0	0	1	1995
10543	168	288.1	101394	0	0	0	0	0	0	0	0	1	0	0	0	1995
10630	144	278.1	95227	0	0	0	0	0	0	0	0	1	0	0	0	1995

Data Base for DANIEL 1 Target Heat Rate Equation

HR	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.
HOUR	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
JAN to NOV	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of unit start ups during the week after being shut down for 24 hours or more.
YEAR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for DANIEL 2 Target Heat Rate Equation

	HR	NOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
	9466	35	281.8	102407	0	0	0	0	0	0	0	0	0	1	0	1	1992
	9441	168	310.1	123797	0	0	0	0	0	0	0	0	0	1	0	0	1992
	9836	168	325.8	135194	0	0	0	0	0	0	0	0	0	1	0	0	1992
	9881	168	346.9	149544	0	0	0	0	0	0	0	0	0	0	1	0	1992
	9958	168	313.9	127471	0	0	0	0	0	0	0	0	0	0	1	0	1992
	9994	167	299.3	116639	0	0	0	0	0	0	0	0	0	0	1	0	1992
	9790	46	378.3	168080	0	0	0	0	0	0	0	0	0	0	1	0	1992
	10731	94	201.8	49950	0	0	0	0	0	0	0	0	0	0	0	1	1992
	10507	64	273.4	102011	1	0	0	0	0	0	0	0	0	0	0	1	1993
	9990	168	298.8	106807	1	0	0	0	0	0	0	0	0	0	0	0	1993
	10282	155	366.7	146943	1	0	0	0	0	0	0	0	0	0	0	0	1993
*	9549	107	192.8	45567	0	0	1	0	0	0	0	0	0	0	0	1	1993
	10158	168	204.4	51524	0	0	1	0	0	0	0	0	0	0	0	0	1993
	10548	168	181.0	36716	0	0	1	0	0	0	0	0	0	0	0	0	1993
	10122	167	253.3	84964	0	0	0	1	0	0	0	0	0	0	0	0	1993
	10545	168	181.8	38902	0	0	0	1	0	0	0	0	0	0	0	0	1993
	10169	168	231.0	64426	0	0	0	1	0	0	0	0	0	0	0	0	1993
	9991	167	280.5	104314	0	0	0	1	0	0	0	0	0	0	0	0	1993
	9648	168	327.3	138364	0	0	0	0	1	0	0	0	0	0	0	0	1993
	9580	168	369.5	163797	0	0	0	0	1	0	0	0	0	0	0	0	1993
	10294	168	232.8	72455	0	0	0	0	1	0	0	0	0	0	0	0	1993
	10948	168	159.8	26309	0	0	0	0	1	0	0	0	0	0	0	0	1993
	10675	168	190.5	44569	0	0	0	0	1	0	0	0	0	0	0	0	1993
	10093	160	295.3	112190	0	0	0	0	0	1	0	0	0	0	0	0	1993
	10215	168	286.0	105944	0	0	0	0	0	1	0	0	0	0	0	0	1993
	10586	168	262.1	87621	0	0	0	0	0	1	0	0	0	0	0	0	1993
	10975	168	223.0	65231	0	0	0	0	0	1	0	0	0	0	0	0	1993
	10495	168	316.4	123805	0	0	0	0	0	0	1	0	0	0	0	0	1993
	10156	168	310.7	124835	0	0	0	0	0	0	1	0	0	0	0	0	1993
	9837	168	351.0	152563	0	0	0	0	0	0	1	0	0	0	0	0	1993
	10095	168	340.0	145363	0	0	0	0	0	0	1	0	0	0	0	0	1993
	10087	168	323.4	132357	0	0	0	0	0	0	0	1	0	0	0	0	1993
	9890	168	313.9	124037	0	0	0	0	0	0	0	1	0	0	0	0	1993
	10056	168	325.4	134004	0	0	0	0	0	0	0	1	0	0	0	0	1993
	10258	166	324.3	134481	0	0	0	0	0	0	0	1	0	0	0	0	1993
	10257	168	314.9	131237	0	0	0	0	0	0	0	1	0	0	0	0	1993
	10451	85	294.9	113085	0	0	0	0	0	0	0	0	1	0	0	0	1993
	10997	20	300.0	113348	0	0	0	0	0	0	0	0	1	0	0	1	1993
	10064	168	313.6	124514	0	0	0	0	0	0	0	0	1	0	0	0	1993
	10271	168	334.3	138915	0	0	0	0	0	0	0	0	1	0	0	0	1993
	10357	24	312.5	121950	0	0	0	0	0	0	0	0	1	0	0	0	1993
	10093	168	330.3	134791	0	0	0	0	0	0	0	0	0	1	0	0	1993
	9957	168	310.8	118560	0	0	0	0	0	0	0	0	0	1	0	0	1993
	9959	168	333.1	134635	0	0	0	0	0	0	0	0	0	1	0	0	1993
	11139	41	159.4	26285	0	0	0	0	0	0	0	0	0	1	0	0	1993
	10424	107	233.0	67469	0	0	0	0	0	0	0	0	0	0	1	1	1993
	10102	71	379.9	169841	1	0	0	0	0	0	0	0	0	0	0	1	1994

Data Base for DANIEL 2 Target Heat Rate Equation

	HR	HOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
	9820	22	269.9	85801	1	0	0	0	0	0	0	0	0	0	0	0	1994
	9965	167	364.1	135503	0	0	1	0	0	0	0	0	0	0	0	1	1994
	9895	168	423.3	179245	0	0	1	0	0	0	0	0	0	0	0	0	1994
	9977	167	408.2	169741	0	0	1	0	0	0	0	0	0	0	0	0	1994
	9955	167	423.8	179662	0	0	0	1	0	0	0	0	0	0	0	0	1994
	10059	168	420.6	177116	0	0	0	1	0	0	0	0	0	0	0	0	1994
	9973	168	422.7	178764	0	0	0	1	0	0	0	0	0	0	0	0	1994
	9909	168	432.0	187246	0	0	0	1	0	0	0	0	0	0	0	0	1994
	9307	168	412.6	180511	0	0	0	0	1	0	0	0	0	0	0	0	1994
	9749	167	345.8	142954	0	0	0	0	1	0	0	0	0	0	0	0	1994
	10218	168	293.1	105268	0	0	0	0	1	0	0	0	0	0	0	0	1994
	10009	101	321.6	128769	0	0	0	0	1	0	0	0	0	0	0	1	1994
	10667	59	253.2	81277	0	0	0	0	1	0	0	0	0	0	0	1	1994
	10151	168	280.4	99429	0	0	0	0	0	1	0	0	0	0	0	0	1994
	10349	168	286.0	106073	0	0	0	0	0	1	0	0	0	0	0	0	1994
	10140	168	276.9	97922	0	0	0	0	0	1	0	0	0	0	0	0	1994
	10080	168	291.6	90683	0	0	0	0	0	1	0	0	0	0	0	0	1994
	10145	168	285.7	90395	0	0	0	0	0	0	1	0	0	0	0	0	1994
	11937	108	216.1	52940	0	0	0	0	0	0	1	0	0	0	0	1	1994
	9514	168	310.3	120378	0	0	0	0	0	0	1	0	0	0	0	0	1994
	10750	168	311.3	112002	0	0	0	0	0	0	1	0	0	0	0	0	1994
*	8489	168	382.2	158118	0	0	0	0	0	0	0	1	0	0	0	0	1994
	10196	120	384.9	165371	0	0	0	0	0	0	0	1	0	0	0	1	1994
	10112	168	410.7	181515	0	0	0	0	0	0	0	1	0	0	0	0	1994
	9933	168	394.8	168314	0	0	0	0	0	0	0	1	0	0	0	0	1994
	10050	168	402.6	174643	0	0	0	0	0	0	0	1	0	0	0	0	1994
	9973	168	361.0	141289	0	0	0	0	0	0	0	0	1	0	0	0	1994
	10172	168	385.5	161130	0	0	0	0	0	0	0	0	1	0	0	0	1994
	10130	168	375.2	151753	0	0	0	0	0	0	0	0	1	0	0	0	1994
	10081	168	388.1	165912	0	0	0	0	0	0	0	0	1	0	0	0	1994
	9747	24	446.4	205732	0	0	0	0	0	0	0	0	1	0	0	0	1994
	10228	168	357.3	133663	0	0	0	0	0	0	0	0	0	1	0	0	1994
	10273	146	341.4	124803	0	0	0	0	0	0	0	0	0	1	0	0	1994
	10245	130	385.5	153999	0	0	0	0	0	0	0	0	0	0	1	1	1994
	10011	168	398.9	161501	0	0	0	0	0	0	0	0	0	0	1	0	1994
	10086	168	393.3	157758	0	0	0	0	0	0	0	0	0	0	1	0	1994
	10159	168	399.6	161996	0	0	0	0	0	0	0	0	0	0	0	0	1994
	10053	168	418.7	175682	0	0	0	0	0	0	0	0	0	0	0	0	1994
	10073	168	419.9	176741	0	0	0	0	0	0	0	0	0	0	0	0	1994
	10106	168	402.5	164397	0	0	0	0	0	0	0	0	0	0	0	0	1994
	10204	168	336.3	121187	1	0	0	0	0	0	0	0	0	0	0	0	1995
	10563	85	252.3	69985	1	0	0	0	0	0	0	0	0	0	0	0	1995
	10362	116	342.6	123305	1	0	0	0	0	0	0	0	0	0	0	1	1995
	10235	168	360.3	137601	1	0	0	0	0	0	0	0	0	0	0	0	1995
	9599	168	393.0	162575	0	1	0	0	0	0	0	0	0	0	0	0	1995
	10389	168	377.9	148025	0	1	0	0	0	0	0	0	0	0	0	0	1995
	10346	168	350.8	129436	0	1	0	0	0	0	0	0	0	0	0	0	1995

Data Base for DANIEL 2 Target Heat Rate Equation

	HR	HOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
	10420	168	362.4	133587	0	1	0	0	0	0	0	0	0	0	0	0	1995
	10350	113	390.0	155398	0	0	1	0	0	0	0	0	0	0	0	0	1995
*	13189	13	196.5	41243	0	0	1	0	0	0	0	0	0	0	0	1	1995
	10338	168	356.7	128281	0	0	1	0	0	0	0	0	0	0	0	0	1995
	10326	168	350.0	127395	0	0	1	0	0	0	0	0	0	0	0	0	1995
	10275	167	356.0	131239	0	0	0	1	0	0	0	0	0	0	0	0	1995
	10341	168	366.4	138261	0	0	0	1	0	0	0	0	0	0	0	0	1995
	9930	168	372.1	152985	0	0	0	1	0	0	0	0	0	0	0	0	1995
	10383	168	378.7	148296	0	0	0	1	0	0	0	0	0	0	0	0	1995
	10335	168	320.9	115784	0	0	0	0	1	0	0	0	0	0	0	0	1995
	10316	168	314.6	114466	0	0	0	0	1	0	0	0	0	0	0	0	1995
	10245	168	343.2	141604	0	0	0	0	1	0	0	0	0	0	0	0	1995
	11003	114	209.0	56761	0	0	0	0	1	0	0	0	0	0	0	1	1995
	10591	168	366.0	140614	0	0	0	0	1	0	0	0	0	0	0	0	1995
	10309	168	305.4	113248	0	0	0	0	0	1	0	0	0	0	0	0	1995
	10664	111	237.6	73445	0	0	0	0	0	1	0	0	0	0	0	0	1995
	10897	70	250.2	78758	0	0	0	0	0	1	0	0	0	0	0	2	1995
	10464	168	275.9	94821	0	0	0	0	0	1	0	0	0	0	0	0	1995
	10944	102	231.2	68264	0	0	0	0	0	0	1	0	0	0	0	1	1995
	10235	168	346.5	147412	0	0	0	0	0	0	1	0	0	0	0	0	1995
	10202	168	344.6	140726	0	0	0	0	0	0	1	0	0	0	0	0	1995
	10192	168	359.6	153115	0	0	0	0	0	0	1	0	0	0	0	0	1995
	10445	168	291.4	107731	0	0	0	0	0	0	0	1	0	0	0	0	1995
	10536	168	299.6	110824	0	0	0	0	0	0	0	1	0	0	0	0	1995
	10155	168	388.2	173186	0	0	0	0	0	0	0	1	0	0	0	0	1995
	10321	168	354.3	151498	0	0	0	0	0	0	0	1	0	0	0	0	1995
	10305	168	330.4	135270	0	0	0	0	0	0	0	1	0	0	0	0	1995
	10693	168	267.4	89350	0	0	0	0	0	0	0	0	1	0	0	0	1995
	10361	167	294.6	106082	0	0	0	0	0	0	0	0	1	0	0	0	1995
	10415	168	280.9	95840	0	0	0	0	0	0	0	0	1	0	0	0	1995
	10840	128	202.1	50229	0	0	0	0	0	0	0	0	1	0	0	0	1995

Data Base for DANIEL 2 Target Heat Rate Equation

HR	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.
HOUR	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
JAN to NOV	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of unit start ups during the week after being shut down for 24 hours or more.
YEAR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Calculation of
Target Average Net Operating Heat Rates
for April 1996 - September 1996

Unit	Month	(1) Forecast AKW * 10^3	(2) Forecast LSRF * 10^6	(3) Forecast Monthly ANOHR	(4) Forecast AKW * 10^3 Generation	(5) Weighted ANOHR Target
CRIST 6	Apr '96	198.8	45,149	10,511	114,530	
	May '96	183.1	38,884	10,845	60,960	
	Jun '96	229.6	57,929	10,507	152,910	
	Jul '96	221.3	54,422	10,670	152,220	
	Aug '96	224.3	55,684	10,640	154,350	
	Sep '96	229.1	57,717	10,535	152,570	10,597
CRIST 7	Apr '96	317.2	116,062	10,523	13,640	
	May '96	310.7	111,749	10,745	153,170	
	Jun '96	385.9	162,960	10,376	247,760	
	Jul '96	358.7	144,104	10,619	238,170	
	Aug '96	364.2	147,886	10,577	241,840	
	Sep '96	388.3	164,642	10,285	249,310	10,500
SMITH 1	Apr '96	134.5	19,207	10,253	43,850	
	May '96	130.6	18,272	10,272	94,140	
	Jun '96	146.2	22,059	10,202	102,030	
	Jul '96	147.0	22,257	10,199	106,000	
	Aug '96	149.7	22,928	10,189	107,960	
	Sep '96	140.0	20,538	10,228	91,120	10,219

NOTE: Column (3) monthly ANOHR's are determined using the values from columns (1) and (2) in the target ANOHR equation on page 2 of Schedule 1.

Column (5) = $(\Sigma ((3) * (4))) / (\Sigma (4))$

Calculation of
Target Average Net Operating Heat Rates
for April 1996 - September 1996

Unit	Month	(1) Forecast AKW * 10^3	(2) Forecast LSRF * 10^6	(3) Forecast Monthly ANOHR	(4) Forecast AKW * 10^3 Generation	(5) Weighted ANOHR Target
SMITH 2	Apr '96	142.7	22,645	10,587	86,220	
	May '96	138.9	21,646	10,415	96,530	
	Jun '96	157.7	26,655	10,598	105,970	
	Jul '96	161.1	27,578	10,314	111,950	
	Aug '96	164.4	28,479	10,301	114,250	
	Sep '96	150.0	24,584	10,361	100,790	10,422
DANIEL 1	Apr '96	441.3	190,394	10,216	306,250	
	May '96	175.7	36,060	10,991	126,350	
	Jun '96	237.7	71,955	10,658	165,200	
	Jul '96	319.0	119,145	10,416	229,340	
	Aug '96	305.5	111,300	10,447	219,650	
	Sep '96	234.9	70,332	10,670	125,180	10,493
DANIEL 2	Apr '96	460.2	200,256	9,942	323,990	
	May '96	208.8	55,131	10,592	142,190	
	Jun '96	265.5	90,463	10,272	187,200	
	Jul '96	333.9	131,070	10,276	243,050	
	Aug '96	322.3	124,339	10,352	234,660	
	Sep '96	252.1	82,250	10,565	177,700	10,280

NOTE: Column (3) monthly ANOHR's are determined using the values from columns (1) and (2) in the target ANOHR equation on page 2 of Schedule 1.

Column (5) = $(\Sigma ((3) * (4))) / (\Sigma (4))$

Summary of Target, Maximum, and Minimum
Average Net Operating Heat Rates
for April 1996 - September 1996

Unit	Target Heat Rate BTU/KWH (0 Points)	Minimum Attainable Heat Rate (+ 10 Points)	Maximum Attainable Heat Rate (- 10 Points)
CRIST 6	10,597	10,279	10,915
CRIST 7	10,500	10,185	10,815
SMITH 1	10,219	9,912	10,526
SMITH 2	10,422	10,109	10,735
DANIEL 1	10,493	10,178	10,808
DANIEL 2	10,280	9,972	10,588

II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
Target Equivalent Availabilities
for April 1996 - September 1996

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR	Planned Outage Hours for Apr '96 - Sep '96	Reserve Shutdown Hours for Apr '96 - Sep '96	Target Equivalent Availability *
Crist 6	0.0990	384	0	82.2
Crist 7	0.1553	671	0	71.6
Smith 1	0.0438	383	0	87.3
Smith 2	0.0829	0	0	91.7
Daniel 1	0.0723	0	0	92.8
Daniel 2	0.0328	0	0	96.7

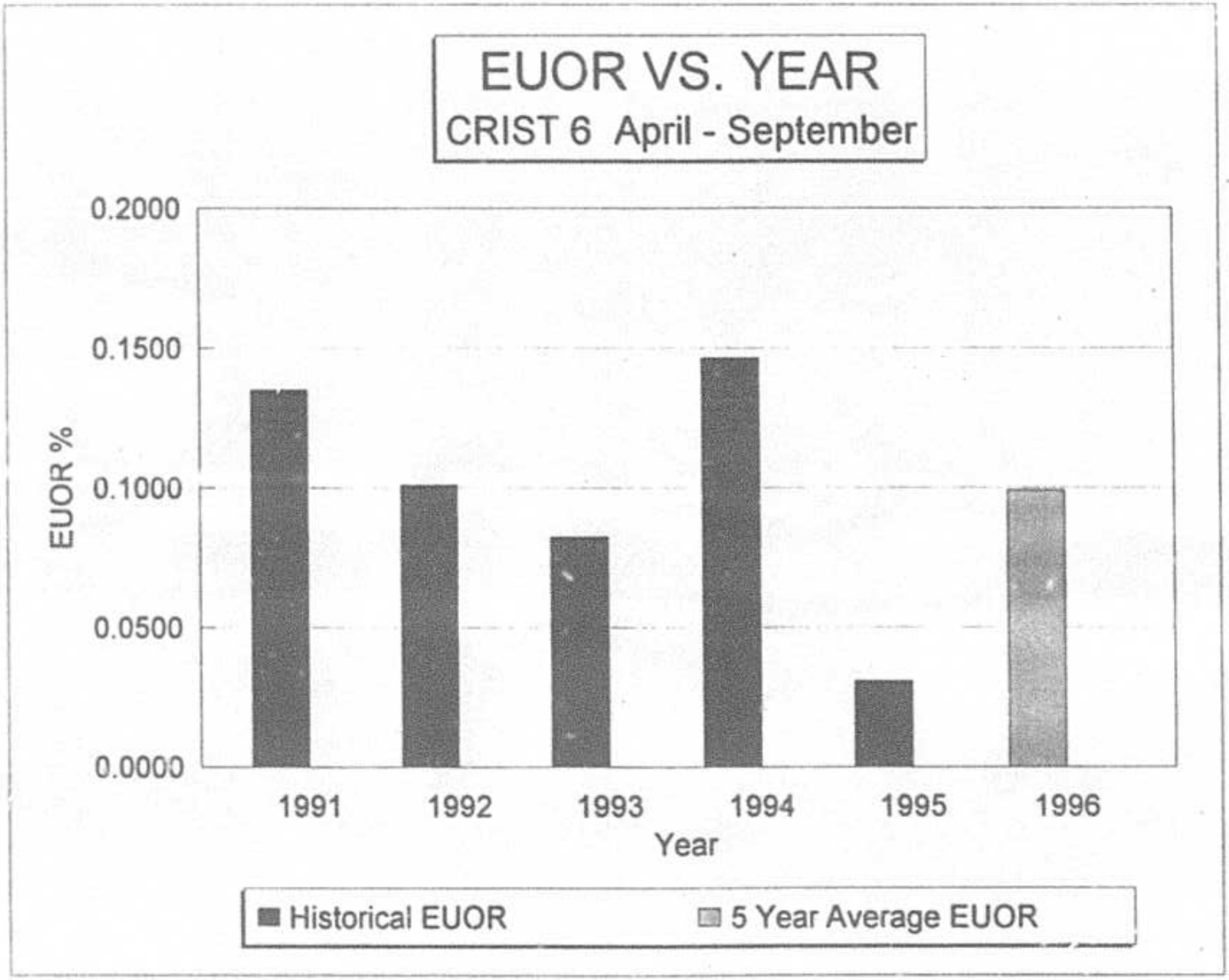
* EA = [1 - (POH + EUOR * (PH - POH - RSH)) / PH] * 100

Calculation of Maximum and Minimum
Attainable Equivalent Availabilities
for April 1996 - September 1996

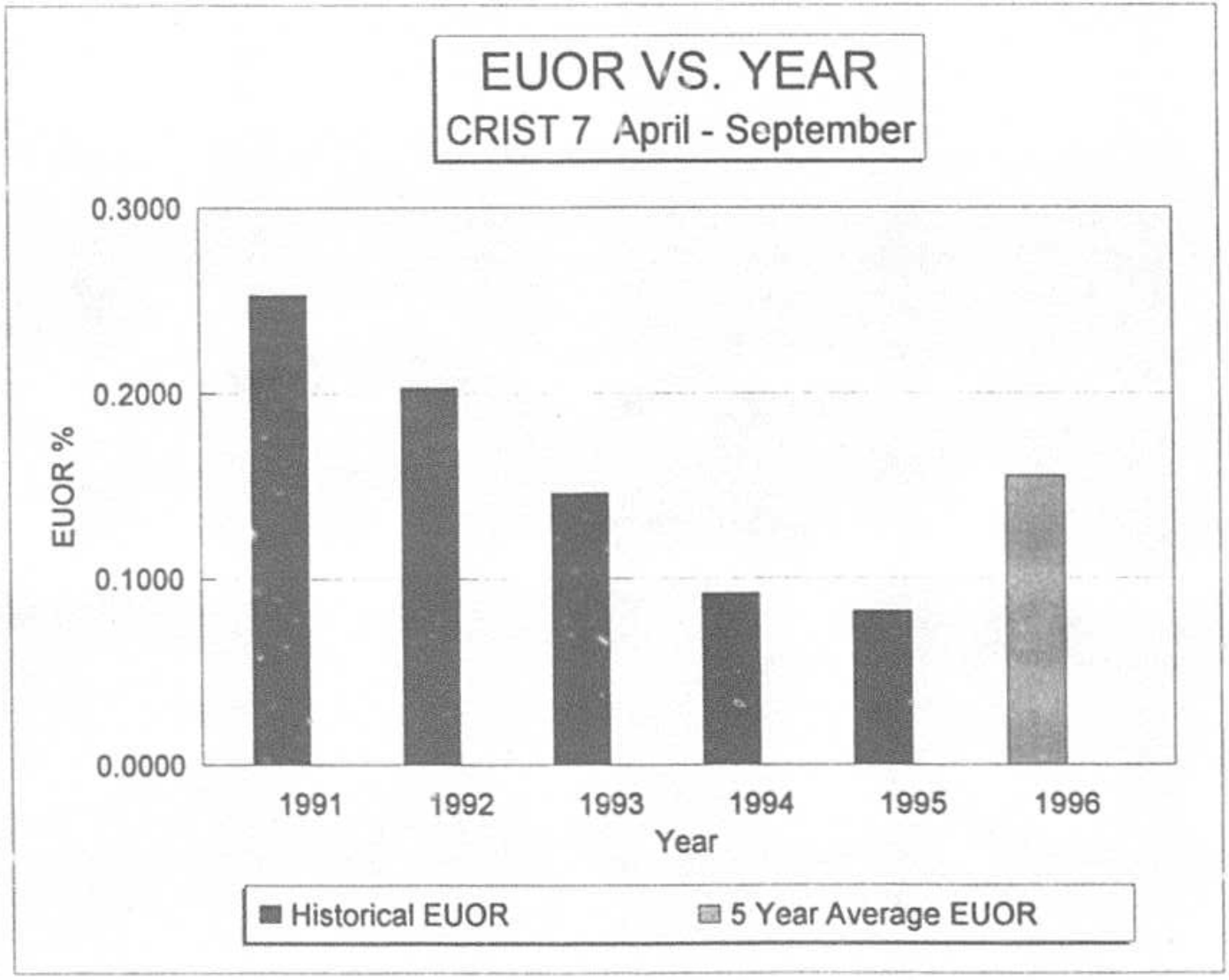
Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR (TARGET EUOR)	Minimum Attainable EUOR 70% of Target EUOR	Maximum Attainable Equivalent Availability	Maximum Attainable EUOR 145% of Target EUOR	Minimum Attainable Equivalent Availability
Crist 6	0.0990	0.0693	84.9	0.1436	78.2
Crist 7	0.1553	0.1087	75.5	0.2252	65.6
Smith 1	0.0438	0.0307	88.5	0.0635	85.5
Smith 2	0.0829	0.0580	94.2	0.1202	88.0
Daniel 1	0.0723	0.0506	94.9	0.1048	89.5
Daniel 2	0.0328	0.0230	97.7	0.0476	95.2

Summary of Target, Maximum, and Minimum
Equivalent Availabilities
for April 1996 - September 1996

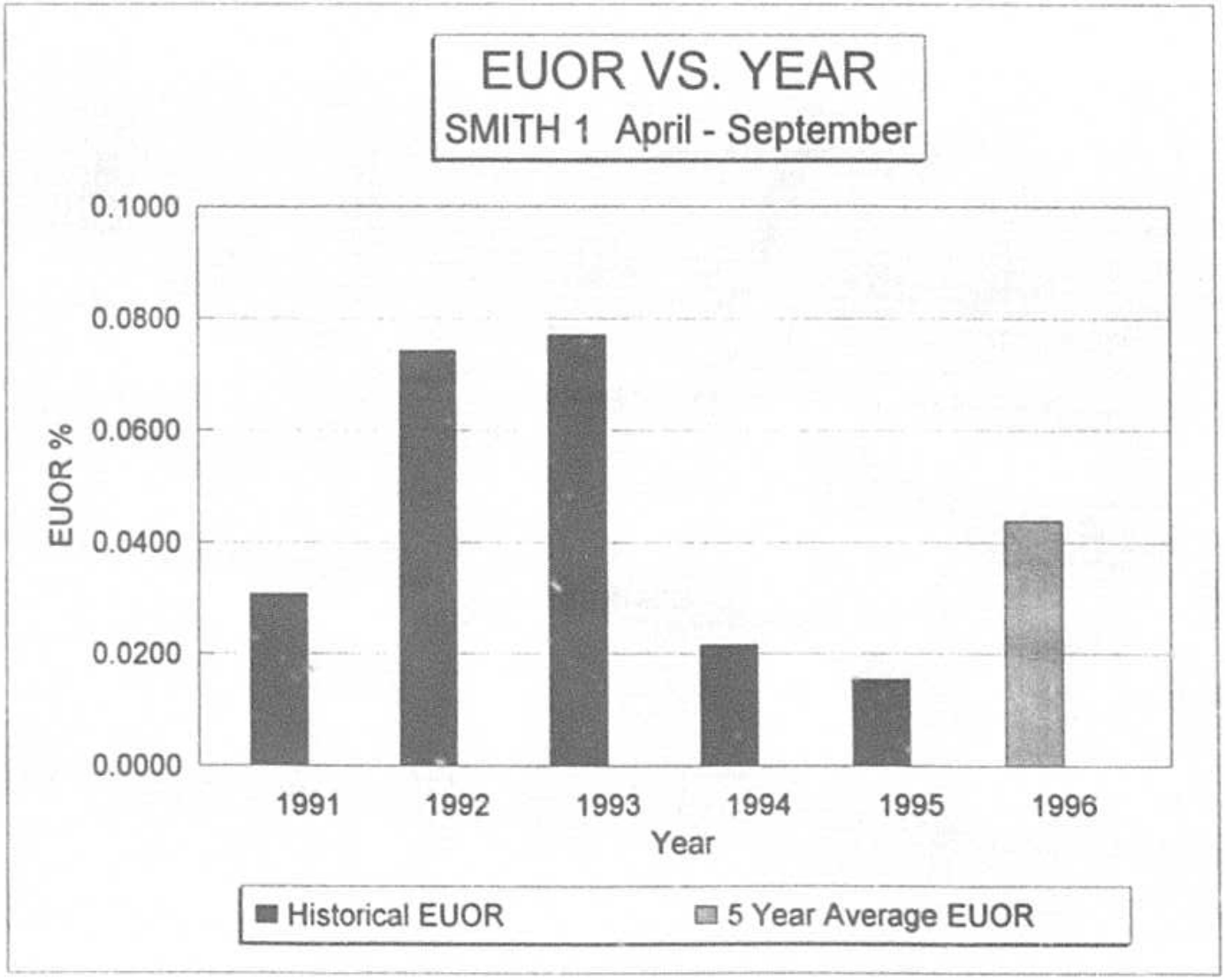
Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Crist 6	82.2	84.9	78.2
Crist 7	71.6	75.5	65.6
Smith 1	87.3	88.5	85.5
Smith 2	91.7	94.2	88.0
Daniel 1	92.8	94.9	89.5
Daniel 2	96.7	97.7	95.2



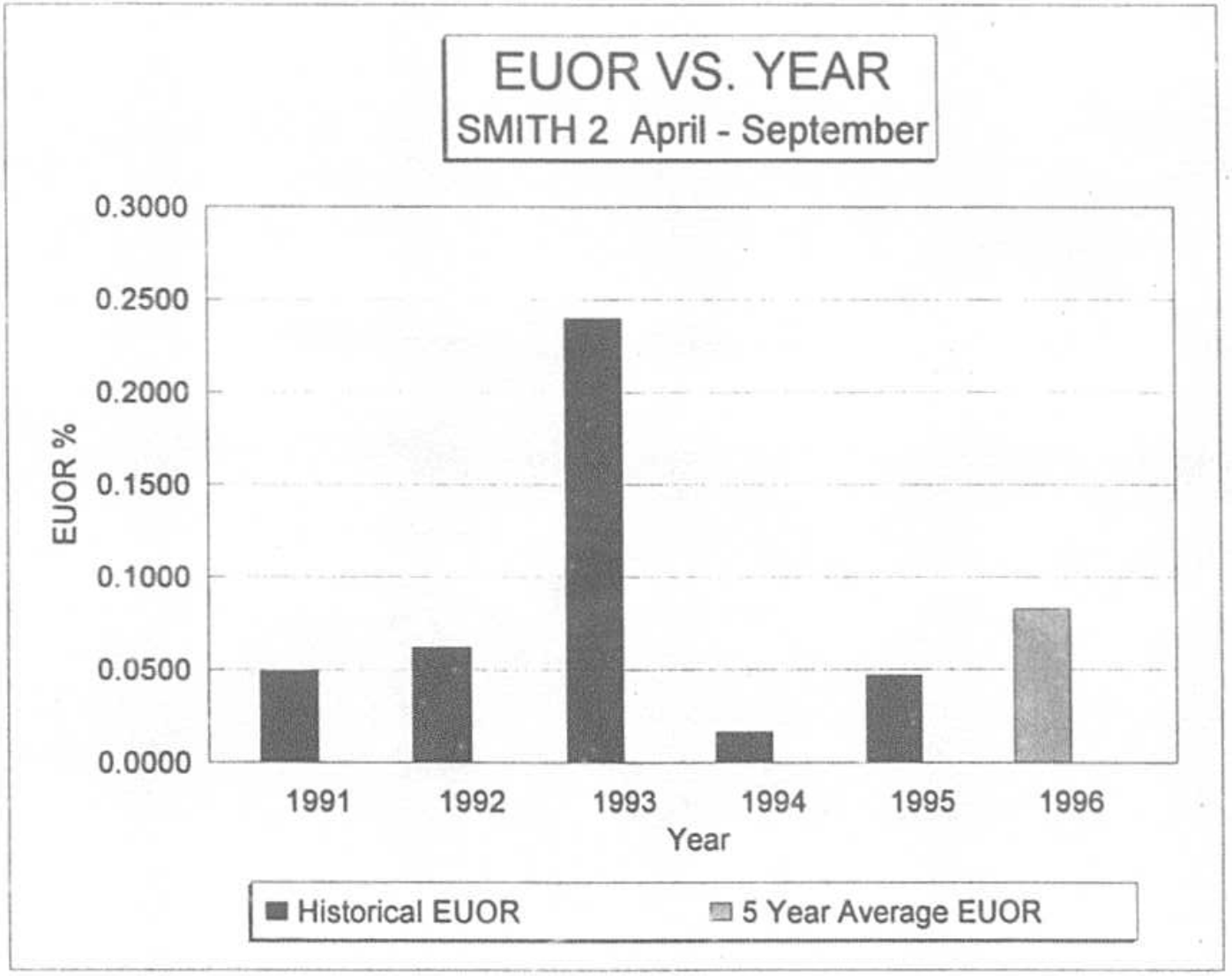
Florida Public Service Commission
Docket No. 960001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. ___ (GDF-2)
Schedule 2
Page 5 of 10



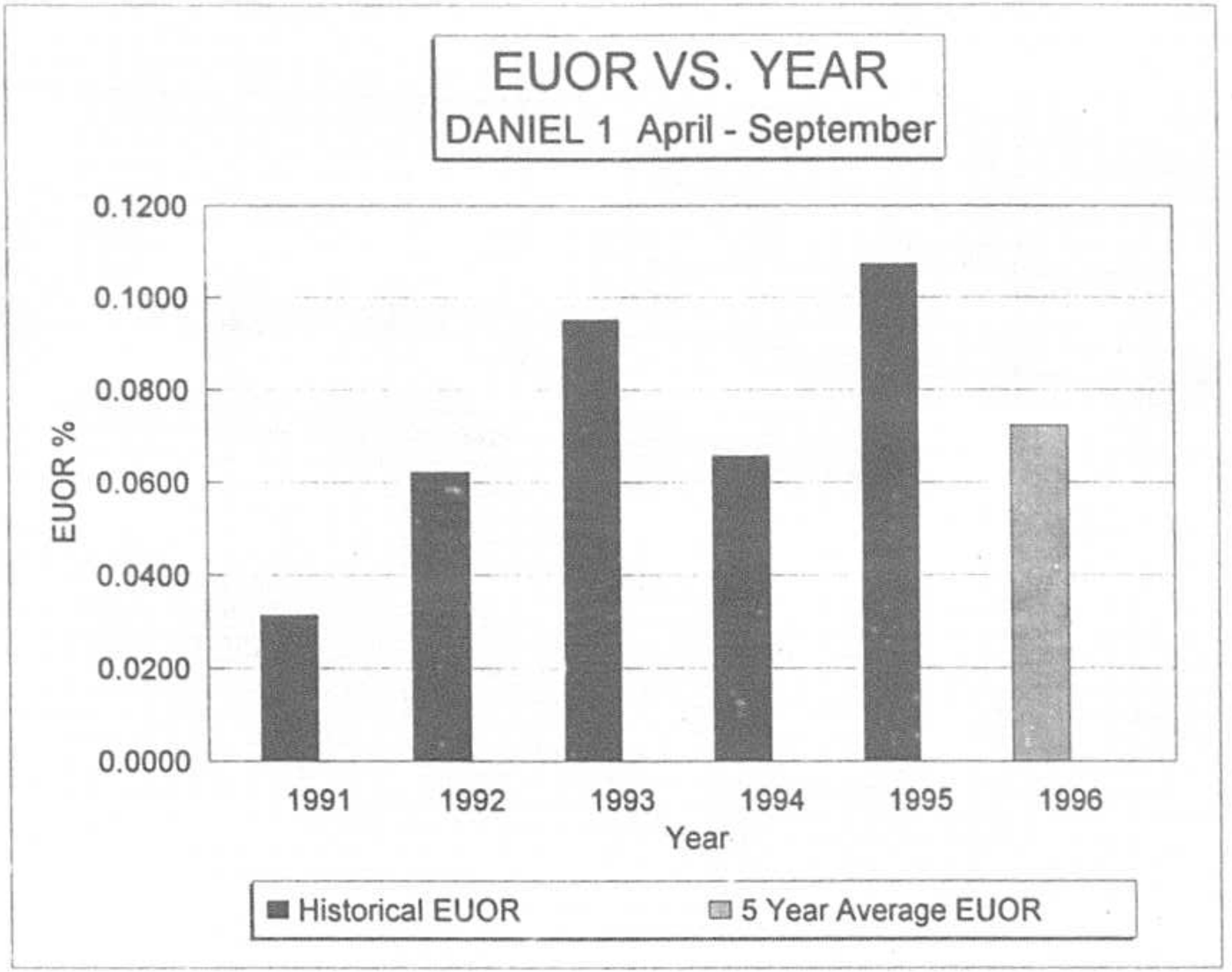
Florida Public Service Commission
Docket No. 960001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. ___ (GDF-2)
Schedule 2
Page 6 of 10



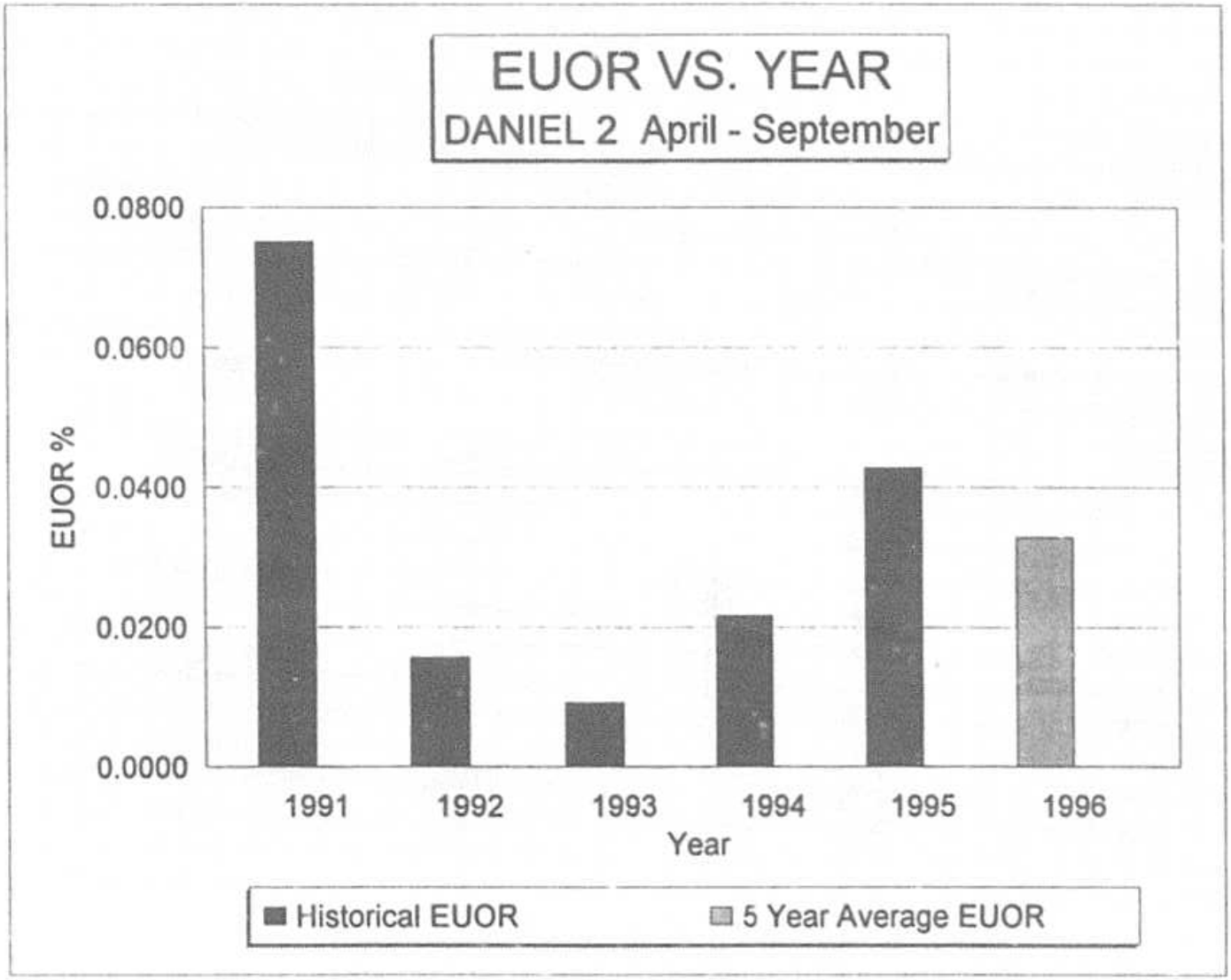
Florida Public Service Commission
Docket No. 960001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. ___ (GDF-2)
Schedule 2
Page 7 of 10



Florida Public Service Commission
Docket No. 960001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. ___ (GDF-2)
Schedule 2
Page 8 of 10



Florida Public Service Commission
Docket No. 960001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. ___ (GDF-2)
Schedule 2
Page 9 of 10



Florida Public Service Commission
Docket No. 960001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. ___ (GDF-2)
Schedule 2
Page 10 of 10

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

CONTENTS

Generating Performance Incentive Factor

Estimated 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	874
+ 9	2921	786
+ 8	2597	699
+ 7	2272	611
+ 6	1948	524
+ 5	1623	437
+ 4	1298	349
+ 3	974	262
+ 2	649	175
+ 1	325	87
0	0	0
- 1	-339	-87
- 2	-677	-175
- 3	-1016	-262
- 4	-1354	-349
- 5	-1693	-437
- 6	-2031	-524
- 7	-2370	-611
- 8	-2708	-699
- 9	-3047	-786
- 10	-3385	-874
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
Order No.:

Generating Performance Incentive Factor

Calculation of Maximum Allowed Incentive Dollars

Estimated

Gulf Power Company

Period of: April 1996 - September 1996

Line 1	Beginning of Period Balance of Common Equity	$436,698,000
	End of Month Balance of Common Equity:	
Line 2	Month of Apr '96	$426,658,000
Line 3	Month of May '96	$431,806,000
Line 4	Month of Jun '96	$439,626,000
Line 5	Month of Jul '96	$435,447,000
Line 6	Month of Aug '96	$444,523,000
Line 7	Month of Sep '96	$451,381,000
Line 8	Average Common Equity for the Period (sum of line 1 through line 7 divided by 7)	$438,019,857
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)	$905,712
Line 12	Jurisdictional Sales (KWH)	4,764,308,000
Line 13	Total Territorial Sales (KWH)	4,939,698,000
Line 14	Jurisdictional Separation Factor (line 12 divided by line 13)	96.4494%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (line 11 multiplied by line 14)	$873,554

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 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)
Crist 6	0.7%	82.2	84.9	78.2	$22	($31)
Crist 7	1.2%	71.6	75.5	65.6	$38	($59)
Smith 1	0.7%	87.3	88.5	85.5	$24	($25)
Smith 2	0.8%	91.7	94.2	88.0	$26	($43)
Daniel 1	1.5%	92.8	94.9	89.5	$50	($77)
Daniel 2	1.7%	96.7	97.7	95.2	$56	($120)

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

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
Order No.:

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: April 1996 - September 1996

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target			Actual Performance 1st Prior Period Apr '95 - Sep '95			Actual Performance 2nd Prior Period Apr '94 - Sep '94		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 6	0.7%	10.2%	0.0875	0.0904	0.0990	0.0563	0.0249	0.0308	0.2866	0.0951	0.1464
Crist 7	1.2%	17.6%	0.1528	0.1314	0.1553	0.0000	0.0791	0.0824	0.0000	0.0849	0.0917
Smith 1	0.7%	11.1%	0.0872	0.0401	0.0438	0.0819	0.0142	0.0154	0.2646	0.0159	0.0216
Smith 2	0.8%	12.0%	0.0000	0.0829	0.0829	0.0882	0.0428	0.0469	0.0000	0.0164	0.0164
Daniel 1	1.5%	23.1%	0.0000	0.0722	0.0723	0.0494	0.0983	0.1073	0.0201	0.0642	0.0656
Daniel 2	1.7%	25.9%	0.0000	0.0328	0.0328	0.0109	0.0402	0.0428	0.0000	0.0205	0.0216
Weighted GPIF System Average:			0.0455	0.0720	0.0775	0.0397	0.0564	0.0609	0.0632	0.0485	0.0562

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
Order No.:

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: April 1996 - September 1996

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Apr '93 - Sep '93			Actual Performance 4th Prior Period Apr '92 - Sep '92			Actual Performance 5th Prior Period Apr '91 - Sep '91		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 6	0.7%	10.2%	0.0000	0.0798	0.0823	0.1569	0.0837	0.1008	0.0000	0.1255	0.1349
Crist 7	1.2%	17.6%	0.3007	0.1020	0.1459	0.1716	0.1660	0.2032	0.3446	0.1635	0.2533
Smith 1	0.7%	11.1%	0.0000	0.0770	0.0770	0.0688	0.0691	0.0742	0.0729	0.0280	0.0307
Smith 2	0.8%	12.0%	0.1834	0.1959	0.2400	0.0871	0.0556	0.0620	0.1158	0.0419	0.0492
Daniel 1	1.5%	23.1%	0.0000	0.0807	0.0952	0.0038	0.0510	0.0621	0.0634	0.0225	0.0313
Daniel 2	1.7%	25.9%	0.0000	0.0086	0.0091	0.1271	0.0089	0.0156	0.0000	0.0682	0.0751
Weighted GPIF System Average:			0.0750	0.0791	0.0959	0.0981	0.0662	0.0801	0.0973	0.0726	0.0944

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
Order No.:

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Average Net Operating Heat Rate

Gulf Power Company

Period of: April 1996 - September 1996

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Heat Rate Target	1st Prior Period Heat Rate Apr '95 - Sep '95	2nd Prior Period Heat Rate Apr '94 - Sep '94	3rd Prior Period Heat Rate Apr '93 - Sep '93
Crist 6	14.5%	15.5%	10,597	10,777	10,641	10,486
Crist 7	22.7%	24.3%	10,500	10,615	10,487	10,545
Smith 1	8.5%	9.1%	10,219	10,245	10,218	10,234
Smith 2	9.7%	10.4%	10,422	10,443	10,502	10,370
Daniel 1	18.0%	19.2%	10,493	10,714	10,347	10,268
Daniel 2	19.9%	21.4%	10,280	10,399	10,088	10,234
Weighted GPIF System Average:			10,433	10,561	10,376	10,369

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
Order No.:

Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 6 Apr '94 - Sep '94

	Apr	May	Jun	Jul	Aug	Sep	
1. Target Heat Rate*	10511	10845	10507	10670	10640	10535	
2. Target Heat Rate at Actual Conditions**	0	11778	10689	10986	10806	10908	
3. Adjustments to Actual Heat Rate (1-2)	10511	-933	-182	-316	-166	-373	
4. Actual Heat Rate for Prior Period	0	11642	10943	11186	10647	10896	
5. Adjusted actual Heat Rate (4+3)	10511	10709	10761	10870	10481	10523	
6. Forecast Net MWH Generation*	114530	60960	152910	152220	154350	152570	
7. Adjusted Actual Heat Rate for Apr '94 - Sep '94 = (Σ ((5)*(6)))/(Σ (6))							10,641

* For the April 1996 - September 1996 time period.

** Based on the target heat rate equation from page 2 of Schedule 1 using actual rather than forecast variable values.

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
Order No.:

Derivation of Weighting Factors

Gulf Power Company

Period of: April 1996 - September 1996

Plant & Unit	Unit Performance Indicator	Production Cost Simulation Fuel Cost ($000) At Target (1)	At Maximum Improvement (2)	Savings (3)	Weighting Factor (% of Savings)
Crist 6	EA-1	$118,646	$118,624	$22	0.7%
Crist 6	ANOHR-1	$118,646	$118,175	$471	14.5%
Crist 7	EA-2	$118,646	$118,608	$38	1.2%
Crist 7	ANOHR-2	$118,646	$117,910	$736	22.7%
Smith 1	EA-3	$118,646	$118,622	$24	0.7%
Smith 1	ANOHR-3	$118,646	$118,369	$277	8.5%
Smith 2	EA-4	$118,646	$118,620	$26	0.8%
Smith 2	ANOHR-4	$118,646	$118,330	$316	9.7%
Daniel 1	EA-5	$118,646	$118,596	$50	1.5%
Daniel 1	ANOHR-5	$118,646	$118,063	$583	18.0%
Daniel 2	EA-6	$118,646	$118,590	$56	1.7%
Daniel 2	ANOHR-6	$118,646	$117,999	$647	19.9%
					100.0%

(1) Fuel Adjustment Base Case - All unit performance indicators at target.

(2) All other unit performance indicators at target.

(3) Expressed in replacement energy costs. Also includes variable operating and maintenance expense savings associated with availability improvements.

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 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

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
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

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
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	10,12*
				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

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 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: January 22, 1996
Suspended:
Effective: April 1, 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

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 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

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

ESTIMATED 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 (%)	80.1	44.8	92.5	92.5	92.5	91.5	82.2
2.	POF (%)	0.0	51.6	0.0	0.0	0.0	0.0	6.7
3.	EUOF (%)	19.9	3.6	7.5	7.5	7.5	8.5	9.1
4.	EUOR (%)	19.9	7.5	7.5	7.5	7.5	8.5	9.9
5.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6.	SH	576.0	333.0	666.0	688.0	688.0	666.0	3617.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	143.0	411.0	54.0	56.0	56.0	54.0	774.0
9.	POH	0.0	384.0	0.0	0.0	0.0	0.0	384.0
10.	FOH & EFOH	47.0	27.0	54.0	56.0	56.0	61.0	301.0
11.	MOH & EMOH	96.0	0.0	0.0	0.0	0.0	0.0	96.0
12.	Oper MBtu	1203825.0	661111.0	1606625.0	1624187.0	1642284.0	1607325.0	8345357.0
13.	Net Gen (MWH)	114530.0	60960.0	152910.0	152220.0	154350.0	152570.0	787540.0
14.	ANOHR (Btu/KWH)	10511.0	10845.0	10507.0	10670.0	10640.0	10535.0	10597.0
15.	NOF %	62.7	57.7	72.4	69.8	70.8	72.3	68.7
16.	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

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
Order No.:

ESTIMATED 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 (%)	6.0	66.3	89.2	89.2	89.2	88.5	71.6
2.	POF (%)	93.3	0.0	0.0	0.0	0.0	0.0	15.3
3.	EUOF (%)	0.7	33.7	10.8	10.8	10.8	11.5	13.1
4.	EUOR (%)	10.4	33.7	10.8	10.8	10.8	11.5	15.5
5.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6.	SH	43.0	493.0	642.0	664.0	664.0	642.0	3148.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	676.0	251.0	78.0	80.0	80.0	78.0	1243.0
9.	POH	671.0	0.0	0.0	0.0	0.0	0.0	671.0
10.	FOH & EFOH	5.0	59.0	78.0	80.0	80.0	83.0	385.0
11.	MOH & EMOH	0.0	192.0	0.0	0.0	0.0	0.0	192.0
12.	Oper MBtu	143534.0	1645812.0	2570758.0	2529127.0	2557942.0	2564153.0	12011326.0
13.	Net Gen (MWH)	13640.0	153170.0	247760.0	238170.0	241840.0	249310.0	1143890.0
14.	ANOHR (Btu/KWH)	10523.0	10745.0	10376.0	10619.0	10577.0	10285.0	10500.0
15.	NOF %	62.9	61.6	76.6	71.2	72.3	77.1	72.1
16.	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

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
Order No.:

ESTIMATED 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 (%)	45.3	96.9	96.9	96.9	96.9	89.6	87.3
2.	POF (%)	53.3	0.0	0.0	0.0	0.0	0.0	8.7
3.	EUOF (%)	1.4	3.1	3.1	3.1	3.1	10.4	4.0
4.	EUOR (%)	3.0	3.1	3.1	3.1	3.1	10.4	4.4
5.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6.	SH	326.0	721.0	698.0	721.0	721.0	651.0	3838.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	393.0	23.0	22.0	23.0	23.0	69.0	553.0
9.	POH	383.0	0.0	0.0	0.0	0.0	0.0	383.0
10.	FOH & EFOH	10.0	23.0	22.0	23.0	23.0	27.0	128.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	48.0	48.0
12.	Oper MBtu	449594.0	967006.0	1040910.0	1081094.0	1100004.0	931975.0	5570583.0
13.	Net Gen (MWH)	43850.0	94140.0	102030.0	106000.0	107960.0	91120.0	545100.0
14.	ANOHR (Btu/KWH)	10253.0	10272.0	10202.0	10199.0	10189.0	10228.0	10219.0
15.	NOF %	83.5	81.1	90.8	91.3	93.0	86.9	88.2
16.	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

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
Order No.:

ESTIMATED 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 (%)	84.0	93.4	93.3	93.4	93.4	92.5	91.7
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	16.0	6.6	6.7	6.6	6.6	7.5	8.3
4.	EUOR (%)	16.0	6.6	6.7	6.6	6.6	7.5	8.3
5.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6.	SH	604.0	695.0	672.0	695.0	695.0	672.0	4033.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	115.0	49.0	48.0	49.0	49.0	48.0	358.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	43.0	49.0	48.0	49.0	49.0	54.0	292.0
11.	MOH & EMOH	72.0	0.0	0.0	0.0	0.0	0.0	72.0
12.	Oper MBtu	912811.0	1005360.0	1123070.0	1154652.0	1176889.0	1044285.0	6417067.0
13.	Net Gen (MWH)	86220.0	96530.0	105970.0	111950.0	114250.0	100790.0	615710.0
14.	ANOHR (Btu/KWH)	10587.0	10415.0	10598.0	10314.0	10301.0	10361.0	10422.0
15.	NOF %	74.7	72.7	82.6	84.3	86.1	78.5	79.9
16.	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						

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
Order No.:

ESTIMATED 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 (%)	96.5	96.6	96.5	96.6	96.6	73.3	92.8
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	3.5	3.4	3.5	3.4	3.4	26.7	7.2
4.	EUOR (%)	3.5	3.4	3.5	3.4	3.4	26.7	7.2
5.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6.	SH	694.0	719.0	695.0	719.0	719.0	533.0	4079.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	25.0	25.0	25.0	25.0	25.0	187.0	312.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	25.0	25.0	25.0	25.0	25.0	24.0	149.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	168.0	168.0
12.	Oper MBtu	3128650.0	1388713.0	1760702.0	2388805.0	2294684.0	1335671.0	12297225.0
13.	Net Gen (MWH)	306250.0	126350.0	165200.0	229340.0	219650.0	125180.0	1171970.0
14.	ANOHR (Btu/KWH)	10216.0	10991.0	10658.0	10416.0	10447.0	10670.0	10493.0
15.	NOF %	102.6	34.5	46.6	62.5	59.9	46.1	57.8
16.	NPC (MW)	430.0	510.0	510.0	510.0	510.0	510.0	496.7

19.	ANOHR Equation	10^6 / AKW * [-195.70 - 65.61 * JAN] + 13,416 - 0.00839 * LSRF / AKW

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
Order No.:

ESTIMATED 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 (%)	97.9	91.5	97.9	97.8	97.8	97.4	96.7
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	2.1	8.5	2.1	2.2	2.2	2.6	3.3
4.	EUOR (%)	2.1	8.5	2.1	2.2	2.2	2.6	3.3
5.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6.	SH	704.0	681.0	705.0	728.0	728.0	705.0	4251.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	15.0	63.0	15.0	16.0	16.0	15.0	140.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	15.0	15.0	15.0	16.0	16.0	19.0	96.0
11.	MOH & EMOH	0.0	48.0	0.0	0.0	0.0	0.0	48.0
12.	Oper MBtu	3221109.0	1506076.0	1922918.0	2497582.0	2429200.0	1877401.0	13454286.0
13.	Net Gen (MWH)	323990.0	142190.0	187200.0	243050.0	234660.0	177700.0	1308790.0
14.	ANOHR (Btu/KWH)	9942.0	10592.0	10272.0	10276.0	10352.0	10565.0	10280.0
15.	NOF %	107.0	40.9	52.1	65.5	63.2	49.4	62.0
16.	NPC (MW)	430.0	510.0	510.0	510.0	510.0	510.0	496.7

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

Issued by: T. J. Bowden

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
Order No.:

Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: April 1996 - September 1996

It is important to understand that estimated dates for planned outages and their bar chart schedules are frequently changed in timing and work scope due to system conditions, findings of inspections, subcontractor requirements, material availability and so on.

Please note that in addition to the outages scheduled for the target period of April 1996 - September 1996, the outages shown below are currently planned and could be rescheduled for the target period.

Plant & Unit	Planned Outage Dates	Reason for Outage
Crist 6	11/30/96 - 12/08/96	Semi-annual general boiler maintenance and inspection.
Crist 7	11/16/96 - 11/24/96	Semi-annual general boiler maintenance and inspection.
Smith 1	11/02/96 - 11/10/96	Semi-annual general boiler maintenance and inspection.
Smith 2	03/09/96 - 03/24/96	Semi-annual general boiler maintenance and inspection.
Smith 2	11/16/96 - 11/24/96	Semi-annual general boiler maintenance and inspection.

Filed: January 22, 1996
Suspended:
Effective: April 1, 1996
Docket No.: 960001-EI
Order No.: