Gulf Power Company
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ORIGINAL
FILE COPY

Susan D. Cranmer
Assistant Secretary and
Assistant Treasurer

the southern electric system

June 21, 1996

Ms. Blanca S. Bayo, Director
Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee FL 32399-0870

Dear Ms. Bayo:

Enclosed for official filing in Docket No. 960001-EI are an original and fifteen copies of the following:

1. Petition of Gulf Power Company for Approval of Final Fuel Cost True-up Amounts and GPIF Adjustment for October 1995 through March 1996; Estimated Fuel Cost True-up Amounts for April 1996 through September 1996; Projected Fuel Cost Recovery Amounts for October 1996 through March 1997; Final Purchased Power Capacity Cost True-up Amounts for April 1995 through September 1995; Estimated Purchased Power Capacity Cost True-up Amounts for October 1995 through September 1996; Projected Purchased Power Capacity Cost Recovery Amounts for October 1996 through September 1997; GPIF Targets and Ranges for October 1996 through March 1997; Estimated As-available Avoided Energy Costs, and Fuel Cost Recovery Factors to be applied beginning with the period October 1996 through March 1997; and Capacity Cost Recovery Factors to be applied beginning with the period October 1996 through September 1997.
2. Prepared direct testimony and exhibit of M. F. Oaks.
3. Prepared direct testimony and exhibit of G. D. Fontaine.
4. Prepared direct testimony and exhibit of M. W. Howell.
5. Prepared direct testimony and exhibit of S. D. Cranmer.

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"Our business is customer satisfaction"
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Fontaine Howell
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Cranmer
DOCUMENT NUMBER-DATE
06724 JUN 24 96
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DOCUMENT NUMBER-DATE
06725 JUN 24 96
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In addition to the schedules attached to the testimony, enclosed is one copy for the hearing record of Schedules A1 through A9 previously filed with the Commission for the months of December 1995, January, February, March, April, and May 1996. These schedules are identified as part of Ms. Cranmer's composite exhibit SDC-2.

Also enclosed is a 3.5 inch double sided, double density diskette containing the Petition in WordPerfect for Windows 6.1 format as prepared on a MS-DOS based computer.

Sincerely,

Susan D. Cranmer

lw

Enclosures

cc: Beggs and Lane
Jeffrey A. Stone, Esquire

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: Fuel and Purchased Power Cost)
Recovery Clause with Generating)
Performance Incentive Factor) Docket No. 960001-EI
)

Certificate of Service

I HEREBY CERTIFY that a true copy of the foregoing was furnished by hand delivery or the U. S. Mail this 21st day of June 1996 on the following:

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

GENERATING PERFORMANCE INCENTIVE FACTOR

TARGETS FOR

OCTOBER 1996 - MARCH 1997

Before

THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 960001-EI

GULF POWER COMPANY
Before the Florida Public Service Commission
Direct Testimony of
G. D. Fontaine
Docket No. 960001-EI
Date of Filing June 24, 1996

Q. Please state your name, address and occupation.

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

Q. Please describe your educational and business background.

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

Q. Have you previously testified in this Docket?

A. Yes. I have presented testimony regarding the Generating Performance Incentive Factor (GPIF) periodically for the past several years.

Q. What is the purpose of your testimony in this proceeding?

A. The purpose of my testimony today is to present GPIF targets for Gulf Power Company for the period of October 1, 1996 through March 31, 1997.

Q. Have you prepared an exhibit that contains information to which you will refer in your testimony?

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

Q. Was this exhibit prepared by you or under your direction and supervision?

A. Yes, it was.

Counsel: We ask that Mr. Fontaine's exhibit be marked for identification as exhibit _____(GDF-2).

Q. Which units does Gulf propose to include under the GPIF for the subject period?

A. We propose that Crist Units 6 and 7, Smith Units 1 and 2, and Daniel Units 1 and 2 continue to be the Company's GPIF units.

Q. What are the target heat rates Gulf proposes to use in the GPIF for these units for the performance period October 1, 1996 through March 31, 1997?

A. I would like to refer you to Page 32 of Schedule 1 of my exhibit where these targets are listed.

Q. How were these proposed target heat rates determined?

A. With the exception of data used for the statistical development of the Plant Daniel Units 1 and 2 target equations, the target heat rates were determined according to the GPIF implementation manual procedures for Gulf.

Page 2 of Schedule 1 shows the target average net operating heat rate equations for the proposed GPIF units, and pages 4 through 29 of schedule 1 contain the weekly historical data used for the statistical development of these equations.

Pages 30 and 31 of Schedule 1 present the calculations which provide the unit target heat rates from the target equations.

Q. Why was the statistical development of the Plant Daniel Unit's target equations treated different than the other GPIF units?

A. Plant Daniel has been burning Powder River Basin fuel

for the last three winter periods. Burning Powder River Basin fuel reduces the maximum output of the Daniel Units. However, during peak periods, burning high BTU western coal allows the Daniel Units to run at full capacity. The Powder River Basin fuel is a high moisture content, low BTU coal and the high BTU western fuel is a low moisture, higher BTU coal. The amount of moisture in these two fuels is the major factor that causes a significant difference in the Plant Daniel heat rate when one fuel is burned when compared to the other fuel.

We previously believed the regression process would factor the seasonal difference between the two different fuels into the target equations. When the regression was initially performed for this filing period, the regression analysis did not reasonably separate the off-peak and peak periods when the different fuels are burned. Therefore, only data from the October through March winter periods was utilized for the regression of the Plant Daniel Units 1 and 2 target equations.

Q. Were the maximum and minimum attainable heat rates for each proposed GPIF unit, indicated on page 32 of Schedule 1, calculated according to the appropriate GPIF implementation manual procedures?

A. Yes.

Q. What are the proposed target, maximum and minimum, equivalent availabilities for Gulf's units?

A. The target equivalent availabilities and their ranges are listed on page 4 of Schedule 2.

Q. How are these target equivalent availabilities determined?

A. The target equivalent availabilities were determined according to the standard GPIF implementation manual procedures for Gulf, and are presented on page 2 of Schedule 2.

Q. How were the maximum and minimum attainable equivalent availabilities determined for each unit?

A. The maximum and minimum attainable equivalent availabilities, which are presented along with their respective target availabilities on page 4 of Schedule 2, were determined per GPIF manual procedures for Gulf.

Q. Mr. Fontaine, has Gulf completed the GPIF minimum filing requirements data package?

A. Yes, we have completed the required data. Schedule 3 of my exhibit contains this information.

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

A. Yes. Gulf asks that the Commission accept:

1. Crist Units 6 and 7, Smith Units 1 and 2 and Daniel Units 1 and 2, for inclusion under the GPIF for the period of October 1, 1996 through March 31, 1997.

2. The target, maximum attainable, and minimum attainable average net operating heat rates, as proposed by the Company and as shown on page 32 of Schedule 1 and also page 5 of Schedule 3 of my exhibit.

3. The target, maximum attainable, and minimum attainable equivalent availabilities, as proposed by the Company and as shown on Page 4 of Schedule 2 and also page 5 of Schedule 3 of my exhibit.

4. The weekly average net operating heat rate least squares regression equations, shown on page 2 of

Schedule 1 and also pages 18 through 23 of Schedule 3 of my exhibit, for use in adjusting the six-month actual unit heat rates to target conditions.

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

A. Yes, Sir.

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

EXHIBIT TO THE TESTIMONY OF

G. D. FONTAINE

IN FPSC DOCKET 960001-EI

I. DETERMINATION OF HEAT RATE TARGETS

Target Heat Rate Equations

Crist 6 ANOHR 10^6 / AKW * [283.63 + 41.78 * MAY + 47.50 * JUN + 71.49 * JUL + 69.47 * AUG + 53.54 * SEP]

+ 9,067

Crist 7 ANOHR 10^6 / AKW * [715.72 + 37.42 * MAY + 72.62 * JUL + 65.08 * AUG]

+ 6,979 + 0.00356 * LSRF / AKW

Smith 1 ANOHR 10^6 / AKW * [102.51 + 28.97 * JAN + 21.60 * FEB + 17.09 * MAR + 16.86 * NOV]

+ 9,514

Smith 2 ANOHR 10^6 / AKW * [79.43 + 15.31 * JAN + 18.19 * MAR + 18.86 * APR + 33.80 * JUN - 17.79 * SEP]

+ 9,860

Daniel 1 ANOHR 10^6 / AKW * [-198.30]

+ 12,928 - 0.00516 * LSRF / AKW

Daniel 2 ANOHR 10^6 / AKW * [-86.94]

+ 13,068 - 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
	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	273.1	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	0	1	0	0	0	1993
	10366	168	238.7	62037	0	0	0	0	0	0	0	0	1	0	0	1	1993
	10602	98	188.1	39906	0	0	0	0	0	0	0	0	1	0	0	0	1993
	10246	168	216.1	52650	0	0	0	0	0	0	0	0	1	0	0	1	1993
	11068	106	194.2	44146	0	0	0	0	0	0	0	0	0	1	0	1	1993
*	12677	27	88.5	8112	0	0	0	0	0	0	0	0	0	1	0	0	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	0	1	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	1	1994
	10408	110	237.4	59828	1	0	0	0	0	0	0	0	0	0	0	0	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

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
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	114.3	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
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

Data Base for CRIST 6 Target Heat Rate Equation

NR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
11121	168	176.0	38276	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	119.1	15657	0	0	0	0	0	0	0	0	1	0	0	0	1995
11991	116	155.3	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
10808	132	170.8	34980	0	0	0	0	0	0	0	0	0	1	0	1	1995
10662	168	171.6	35309	0	0	0	0	0	0	0	0	0	1	0	0	1995
10953	169	163.4	32659	0	0	0	0	0	0	0	0	0	0	1	0	1995
11235	168	179.6	39233	0	0	0	0	0	0	0	0	0	0	1	0	1995
11656	168	128.3	17397	0	0	0	0	0	0	0	0	0	0	1	0	1995
11883	16	108.2	12082	0	0	0	0	0	0	0	0	0	0	1	0	1995
11055	95	161.3	28710	0	0	0	0	0	0	0	0	0	0	0	1	1995
10716	88	166.7	31221	0	0	0	0	0	0	0	0	0	0	0	0	1995
10828	159	144.8	23548	1	0	0	0	0	0	0	0	0	0	0	1	1996
10832	168	149.5	26310	1	0	0	0	0	0	0	0	0	0	0	0	1996
10875	168	131.2	17895	1	0	0	0	0	0	0	0	0	0	0	0	1996
10652	168	164.9	31223	1	0	0	0	0	0	0	0	0	0	0	0	1996
10431	168	238.0	60081	0	1	0	0	0	0	0	0	0	0	0	0	1996
10299	168	192.6	39064	0	1	0	0	0	0	0	0	0	0	0	0	1996
10463	168	178.3	33845	0	1	0	0	0	0	0	0	0	0	0	0	1996
10882	168	167.9	31291	0	1	0	0	0	0	0	0	0	0	0	0	1996
10525	168	206.2	49907	0	0	1	0	0	0	0	0	0	0	0	0	1996
10872	150	158.4	29348	0	0	1	0	0	0	0	0	0	0	0	0	1996
10677	168	155.0	26646	0	0	1	0	0	0	0	0	0	0	0	0	1996
10809	168	139.1	20373	0	0	1	0	0	0	0	0	0	0	0	0	1996
11129	24	130.0	16928	0	0	1	0	0	0	0	0	0	0	0	0	1996

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	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
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
10269	168	419.3	87347	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
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

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
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	15 458	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
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

Data Base for CRIST 7 Target Heat Rate Equation

	HR	HOUR	AMV	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
	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	118690	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
	10635	168	301.5	103574	0	0	0	0	0	0	0	0	1	0	0	0	1995
	11215	142	273.8	87823	0	0	0	0	0	0	0	0	0	1	0	1	1995
	10941	168	266.8	79461	0	0	0	0	0	0	0	0	0	1	0	0	1995
	10959	81	234.4	61078	0	0	0	0	0	0	0	0	0	1	0	0	1995
	11121	130	217.9	49689	0	0	0	0	0	0	0	0	0	0	1	1	1995
	11028	168	212.7	45428	0	0	0	0	0	0	0	0	0	0	1	0	1995
	10574	168	288.4	91484	0	0	0	0	0	0	0	0	0	0	1	0	1995
	10507	168	276.9	84402	0	0	0	0	0	0	0	0	0	0	0	0	1995
	10432	168	285.2	90178	0	0	0	0	0	0	0	0	0	0	0	0	1995
	10715	168	263.4	76353	0	0	0	0	0	0	0	0	0	0	0	0	1995
	10802	168	232.0	56361	0	0	0	0	0	0	0	0	0	0	0	0	1995
	10792	168	225.7	53489	1	0	0	0	0	0	0	0	0	0	0	0	1996
	10625	168	271.8	82007	1	0	0	0	0	0	0	0	0	0	0	0	1996
	10782	168	236.6	59917	1	0	0	0	0	0	0	0	0	0	0	0	1996
	10801	168	222.1	50497	1	0	0	0	0	0	0	0	0	0	0	0	1996
	10936	109	249.6	68586	1	0	0	0	0	0	0	0	0	0	0	0	1996
*	14771	6	136.2	22160	0	1	0	0	0	0	0	0	0	0	0	1	1996

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 analysis of the target heat rate equation because they were out of the 90% confidence interval.

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
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
10140	168	132.6	18755	0	0	0	0	0	0	0	0	0	1	0	0	1994
10369	168	134.1	19048	0	0	0	0	0	0	0	0	0	1	0	0	1994
10291	169	139.2	20262	0	0	0	0	0	0	0	0	0	0	1	0	1994
10271	168	142.8	21209	0	0	0	0	0	0	0	0	0	0	1	0	1994
10185	168	136.0	19670	0	0	0	0	0	0	0	0	0	0	1	0	1994
10224	141	128.5	17951	0	0	0	0	0	0	0	0	0	0	1	0	1994
10299	115	137.6	20146	0	0	0	0	0	0	0	0	0	0	1	1	1994
10481	168	128.9	18412	0	0	0	0	0	0	0	0	0	0	0	0	1994
10419	168	136.7	19814	0	0	0	0	0	0	0	0	0	0	0	0	1994
10301	168	135.6	19512	0	0	0	0	0	0	0	0	0	0	0	0	1994
10329	168	126.0	17079	0	0	0	0	0	0	0	0	0	0	0	0	1994
10310	168	155.2	24312	1	0	0	0	0	0	0	0	0	0	0	0	1995
10387	168	154.6	24256	1	0	0	0	0	0	0	0	0	0	0	0	1995
10300	168	158.4	25108	1	0	0	0	0	0	0	0	0	0	0	0	1995
10342	168	157.8	24903	1	0	0	0	0	0	0	0	0	0	0	0	1995
10471	151	143.8	21707	1	0	0	0	0	0	0	0	0	0	0	0	1995
10373	168	157.2	24878	0	1	0	0	0	0	0	0	0	0	0	0	1995
10107	168	149.9	22965	0	1	0	0	0	0	0	0	0	0	0	0	1995
10245	168	141.6	21182	0	1	0	0	0	0	0	0	0	0	0	0	1995
10138	168	150.2	22814	0	1	0	0	0	0	0	0	0	0	0	0	1995
10174	168	151.8	23319	0	0	1	0	0	0	0	0	0	0	0	0	1995
10200	168	158.0	25021	0	0	1	0	0	0	0	0	0	0	0	0	1995
10650	168	158.5	25157	0	0	1	0	0	0	0	0	0	0	0	0	1995
10225	168	158.3	25074	0	0	1	0	0	0	0	0	0	0	0	0	1995
10446	167	155.0	24160	0	0	0	1	0	0	0	0	0	0	0	0	1995
10356	163	149.8	22784	0	0	0	1	0	0	0	0	0	0	0	0	1995

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
10263	149	151.2	23218	0	0	0	0	1	0	0	0	0	0	0	1	1995
10064	168	153.0	23719	0	0	0	0	1	0	0	0	0	0	0	0	1995
10047	168	158.4	25176	0	0	0	0	1	0	0	0	0	0	0	0	1995
10051	168	152.1	23491	0	0	0	0	1	0	0	0	0	0	0	0	1995
10161	168	155.2	24284	0	0	0	0	1	0	0	0	0	0	0	0	1995
10109	168	159.1	25336	0	0	0	0	0	1	0	0	0	0	0	0	1995
10245	168	158.8	25210	0	0	0	0	0	1	0	0	0	0	0	0	1995
10226	111	151.1	23355	0	0	0	0	0	1	0	0	0	0	0	1	1995
10092	168	159.9	25581	0	0	0	0	0	1	0	0	0	0	0	0	1995
10199	168	146.8	22043	0	0	0	0	0	0	1	0	0	0	0	0	1995
10386	168	147.5	22268	0	0	0	0	0	0	1	0	0	0	0	0	1995
10285	168	153.1	23555	0	0	0	0	0	0	1	0	0	0	0	0	1995
10292	168	152.2	23542	0	0	0	0	0	0	1	0	0	0	0	0	1995
10224	168	150.4	22894	0	0	0	0	0	0	0	1	0	0	0	0	1995
10291	168	150.4	22925	0	0	0	0	0	0	0	1	0	0	0	0	1995
10221	168	156.9	24671	0	0	0	0	0	0	0	1	0	0	0	0	1995
10116	168	155.1	24130	0	0	0	0	0	0	0	1	0	0	0	0	1995
10209	168	150.3	22844	0	0	0	0	0	0	0	1	0	0	0	0	1995
10191	168	135.9	19805	0	0	0	0	0	0	0	0	1	0	0	0	1995
10261	168	149.0	22638	0	0	0	0	0	0	0	0	1	0	0	0	1995
10186	168	148.8	22572	0	0	0	0	0	0	0	0	1	0	0	0	1995
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
10209	143	147.6	22723	0	0	0	0	0	0	0	0	0	1	0	1	1995
10275	168	151.0	23377	0	0	0	0	0	0	0	0	0	1	0	0	1995
10299	168	145.7	21664	0	0	0	0	0	0	0	0	0	1	0	0	1995
10273	168	155.1	24156	0	0	0	0	0	0	0	0	0	1	0	0	1995
10303	135	154.6	24576	0	0	0	0	0	0	0	0	0	0	1	1	1995
10305	168	157.8	24968	0	0	0	0	0	0	0	0	0	0	1	0	1995
10266	168	153.2	23708	0	0	0	0	0	0	0	0	0	0	1	0	1995
10478	141	141.0	20822	0	0	0	0	0	0	0	0	0	0	1	0	1995
12129	21	66.5	4725	0	0	0	0	0	0	0	0	0	0	1	1	1995
10292	168	139.5	20477	0	0	0	0	0	0	0	0	0	0	0	0	1995
10243	168	145.9	21997	0	0	0	0	0	0	0	0	0	0	0	0	1995
10381	168	140.1	20763	0	0	0	0	0	0	0	0	0	0	0	0	1995
10338	168	153.0	23685	0	0	0	0	0	0	0	0	0	0	0	0	1995
10403	168	139.2	20712	1	0	0	0	0	0	0	0	0	0	0	0	1996
10383	168	156.8	24669	1	0	0	0	0	0	0	0	0	0	0	0	1996
10301	168	148.9	22482	1	0	0	0	0	0	0	0	0	0	0	0	1996
10363	168	150.8	23205	1	0	0	0	0	0	0	0	0	0	0	0	1996
10393	168	148.5	22737	1	0	0	0	0	0	0	0	0	0	0	0	1996
10683	168	148.1	22373	0	1	0	0	0	0	0	0	0	0	0	0	1996
10575	168	137.1	19965	0	1	0	0	0	0	0	0	0	0	0	0	1996
10298	168	141.5	20761	0	1	0	0	0	0	0	0	0	0	0	0	1996
10378	168	142.3	20901	0	1	0	0	0	0	0	0	0	0	0	0	1996
10262	168	147.6	22211	0	0	1	0	0	0	0	0	0	0	0	0	1996
10241	168	148.9	22801	0	0	1	0	0	0	0	0	0	0	0	0	1996

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
10299	168	150.3	23124	0	0	1	0	0	0	0	0	0	0	0	0	1996
10264	168	144.0	21376	0	0	1	0	0	0	0	0	0	0	0	0	1996
10507	24	132.1	18885	0	0	1	0	0	0	0	0	0	0	0	0	1996

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
*	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
	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	1	1994
	10595	139	162.6	27648	0	0	1	0	0	0	0	0	0	0	0	0	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

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
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
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

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
10356	168	174.9	31060	0	0	1	0	0	0	0	0	0	0	0	0	1995
10363	168	174.5	3111	0	0	1	0	0	0	0	0	0	0	0	0	1995
10573	140	165.8	2887	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
10608	77	158.8	27608	0	0	0	0	0	0	0	0	0	1	0	1	1995
10320	168	172.9	31063	0	0	0	0	0	0	0	0	0	1	0	0	1995
10281	168	170.6	29973	0	0	0	0	0	0	0	0	0	1	0	0	1995
10240	145	172.8	30948	0	0	0	0	0	0	0	0	0	1	0	0	1995
10236	146	135.6	19238	0	0	0	0	0	0	0	0	0	0	1	0	1995
10027	23	125.5	16417	0	0	0	0	0	0	0	0	0	0	1	0	1995
10234	167	171.5	30477	0	0	0	0	0	0	0	0	0	0	1	1	1995
10398	168	155.4	26034	0	0	0	0	0	0	0	0	0	0	1	0	1995
10251	168	181.4	33257	0	0	0	0	0	0	0	0	0	0	1	0	1995
10347	168	158.7	27170	0	0	0	0	0	0	0	0	0	0	0	0	1995
10369	148	166.0	29046	0	0	0	0	0	0	0	0	0	0	0	0	1995
10398	139	163.5	28542	0	0	0	0	0	0	0	0	0	0	0	1	1995
10298	168	171.8	30253	0	0	0	0	0	0	0	0	0	0	0	0	1995
10361	168	155.4	26356	1	0	0	0	0	0	0	0	0	0	0	0	1996
10631	168	182.5	33556	1	0	0	0	0	0	0	0	0	0	0	0	1996
10586	168	168.2	29153	1	0	0	0	0	0	0	0	0	0	0	0	1996
10544	168	172.6	30801	1	0	0	0	0	0	0	0	0	0	0	0	1996
10315	168	169.2	29964	1	0	0	0	0	0	0	0	0	0	0	0	1996
10389	168	167.4	29119	0	1	0	0	0	0	0	0	0	0	0	0	1996
10440	131	143.1	23005	0	1	0	0	0	0	0	0	0	0	0	1	1996
10350	168	159.2	27076	0	1	0	0	0	0	0	0	0	0	0	0	1996

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
10289	168	158.6	26727	0	1	0	0	0	0	0	0	0	0	0	0	1996
10286	168	171.7	30334	0	0	1	0	0	0	0	0	0	0	0	0	1996
10476	15	161.2	28329	0	0	1	0	0	0	0	0	0	0	0	0	1996
11576	16	135.8	20555	0	0	1	0	0	0	0	0	0	0	0	1	1996
10616	168	157.5	26608	0	0	1	0	0	0	0	0	0	0	0	0	1996
10789	24	141.4	22272	0	0	1	0	0	0	0	0	0	0	0	0	1996

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.
LSPF	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	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
#	11897	41	156.9	25315	0	0	0	1	0	0	0	0	0	0	0	1	1993
#	10282	168	222.4	59210	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	1	0	0	1993
	11163	45	189.6	43955	0	0	0	0	0	0	0	0	0	1	0	0	1993
	10379	105	242.2	75192	0	0	0	0	0	0	0	0	0	1	0	0	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
#	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

Data Base for DANIEL 1 Target Heat Rate Equation

	HR	HOUR	ANW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
#	10352	168	249.1	[illegible]0963	0	0	0	0	0	1	0	0	0	0	0	0	1994
#	10662	168	198.5	[illegible]1416	0	0	0	0	0	1	0	0	0	0	0	0	1994
#	10718	168	207.3	[illegible]1575	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	135372	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
#	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

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
#	10642	168	266.5	[illegible]931	0	0	0	0	0	1	0	0	0	0	0	0	1995
#	11099	111	210.2	[illegible]650	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
	11177	127	317.0	114051	0	0	0	0	0	0	0	0	0	0	0	1	1995
	10388	168	343.4	124341	0	0	0	0	0	0	0	0	0	0	0	0	1995
	11074	168	269.8	82535	1	0	0	0	0	0	0	0	0	0	0	0	1996
	10518	166	370.8	145008	1	0	0	0	0	0	0	0	0	0	0	0	1996
	10350	64	300.8	101753	1	0	0	0	0	0	0	0	0	0	0	0	1996
	10671	105	331.8	125509	1	0	0	0	0	0	0	0	0	0	0	1	1996
	10342	168	394.1	166850	1	0	0	0	0	0	0	0	0	0	0	0	1996
	10415	167	330.6	119581	0	1	0	0	0	0	0	0	0	0	0	0	1996
	10503	142	357.6	143590	0	1	0	0	0	0	0	0	0	0	0	1	1996
	10399	168	349.1	136493	0	1	0	0	0	0	0	0	0	0	0	0	1996
	10251	168	366.1	148093	0	1	0	0	0	0	0	0	0	0	0	0	1996
	10324	168	408.9	174215	0	0	1	0	0	0	0	0	0	0	0	0	1996
	10392	153	426.0	189758	0	0	1	0	0	0	0	0	0	0	0	0	1996
	10283	168	423.3	186093	0	0	1	0	0	0	0	0	0	0	0	0	1996
	10329	168	393.2	156573	0	0	1	0	0	0	0	0	0	0	0	0	1996
	10191	24	388.5	151716	0	0	1	0	0	0	0	0	0	0	0	0	1996

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.
#	Indicates data points removed from the analysis of the target heat rate equation because they were from the summer periods.

Data Base for DANIEL 2 Target Heat Rate Equation

	HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
#	10122	167	253.3	8 964	0	0	0	1	0	0	0	0	0	0	0	0	1993
#	10545	168	181.8	3 902	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	324.9	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
	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

Data Base for DANIEL 2 Target Heat Rate Equation

	HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
#	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
	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

Data Base for DANIEL 2 Target Heat Rate Equation

	HR	HOUR	ANN	.SRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
#	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
	10479	54	358.0	134863	0	0	0	0	0	0	0	0	0	1	0	1	1995
	10642	168	335.2	122735	0	0	0	0	0	0	0	0	0	1	0	0	1995
	10302	168	377.2	147787	0	0	0	0	0	0	0	0	0	1	0	0	1995
	10695	169	286.2	94553	0	0	0	0	0	0	0	0	0	0	1	0	1995
	11227	168	204.1	47484	0	0	0	0	0	0	0	0	0	0	1	0	1995
	10828	168	242.2	68355	0	0	0	0	0	0	0	0	0	0	1	0	1995
	10458	168	307.4	105084	0	0	0	0	0	0	0	0	0	0	1	0	1995
	10366	168	367.5	141022	0	0	0	0	0	0	0	0	0	0	1	0	1995
	10703	109	349.8	134300	0	0	0	0	0	0	0	0	0	0	0	1	1995
	10298	168	398.6	163507	0	0	0	0	0	0	0	0	0	0	0	0	1995
	10260	168	367.6	143481	0	0	0	0	0	0	0	0	0	0	0	0	1995
	10361	168	369.7	141518	0	0	0	0	0	0	0	0	0	0	0	0	1995
	11156	144	240.6	66072	1	0	0	0	0	0	0	0	0	0	0	0	1996
	45511	12	33.5	1183	0	0	1	0	0	0	0	0	0	0	0	1	1996

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.
#	Indicates data points removed from the analysis of the target heat rate equation because they were from the summer periods.

Calculation of
Target Average Net Operating Heat Rates
for October 1996 - March 1997

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	Oct '96	196.0	44,161	10,514	140,160	
	Nov '96	174.7	35,603	10,691	116,700	
	Dec '96	164.1	31,440	10,795	86,990	
	Jan '97	153.4	27,302	10,916	102,460	
	Feb '97	165.5	31,986	10,781	106,770	
	Mar '97	178.3	37,032	10,658	127,290	10,710
CRIST 7	Oct '96	332.9	125,775	10,474	217,400	
	Nov '96	307.1	108,439	10,567	135,760	
	Dec '96	281.0	91,387	10,684	183,210	
	Jan '97	257.5	76,450	10,815	167,870	
	Feb '97	282.2	92,160	10,678	148,420	
	Mar '97	303.8	106,256	10,580	198,050	10,626
SMITH 1	Oct '96	156.1	24,493	10,171	113,500	
	Nov '96	158.2	25,020	10,269	77,820	
	Dec '96	149.0	22,733	10,202	108,190	
	Jan '97	154.5	24,094	10,365	112,140	
	Feb '97	154.7	24,143	10,316	97,920	
	Mar '97	152.9	23,696	10,296	110,990	10,269

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 October 1996 - March 1997

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	Oct '96	176.1	31,739	10,311	128,200	
	Nov '96	179.7	32,749	10,302	88,610	
	Dec '96	165.0	28,651	10,341	119,990	
	Jan '97	174.2	31,207	10,404	126,620	
	Feb '97	175.4	31,543	10,313	107,020	
	Mar '97	171.1	30,342	10,431	124,420	10,354
DANIEL 1	Oct '96	383.4	153,234	10,348	179,060	
	Nov '96	387.7	156,198	10,338	172,130	
	Dec '96	349.9	130,912	10,431	209,590	
	Jan '97	354.8	134,091	10,419	244,120	
	Feb '97	376.5	148,524	10,366	175,440	
	Mar '97	0.0	0	-	0	10,385
DANIEL 2	Oct '96	395.1	160,338	10,113	211,790	
	Nov '96	396.1	160,970	10,109	276,470	
	Dec '96	359.7	138,264	10,236	259,330	
	Jan '97	390.8	157,625	10,127	227,430	
	Feb '97	396.5	161,223	10,108	248,980	
	Mar '97	382.6	152,477	10,155	124,740	10,141

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 October 1996 - March 1997

Unit	Target Heat Rate BTU/KWH (0 Points)	Minimum Attainable Heat Rate (+ 10 Points)	Maximum Attainable Heat Rate (- 10 Points)
CRIST 6	10,710	10,389	11,031
CRIST 7	10,626	10,307	10,945
SMITH 1	10,269	9,961	10,577
SMITH 2	10,354	10,043	10,665
DANIEL 1	10,385	10,073	10,697
DANIEL 2	10,141	9,837	10,445

II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
Target Equivalent Availabilities
for October 1996 - March 1997

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR	Planned Outage Hours for Oct '96 - Mar '97	Reserve Shutdown Hours for Oct '96 - Mar '97	Target Equivalent Availability *
Crist 6	0.0528	216	0	90.0
Crist 7	0.1397	216	0	81.8
Smith 1	0.0306	216	0	92.1
Smith 2	0.0347	216	0	91.8
Daniel 1	0.1859	1,104	0	60.8
Daniel 2	0.0751	600	0	79.8

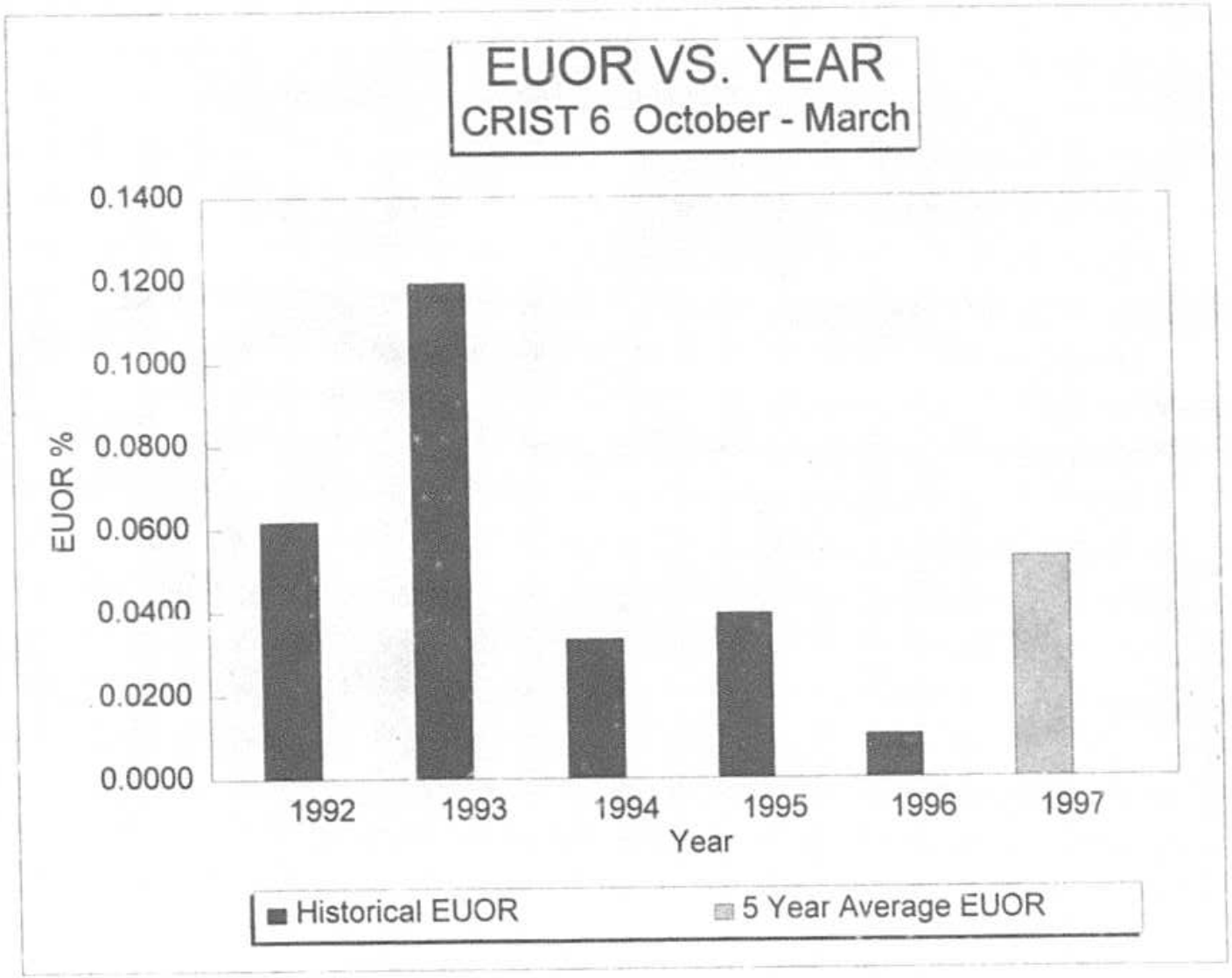
* EA = [1 - (POH + EUOR * (PH - POH - RSH)) / PH] * 100

Calculation of Maximum and Minimum
Attainable Equivalent Availabilities
for October 1996 - March 1997

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	0.0528	0.0370	91.5	0.0766	87.8
Crist 7	0.1397	0.0978	85.8	0.2026	75.8
Smith 1	0.0306	0.0214	93.0	0.0444	90.8
Smith 2	0.0347	0.0243	92.7	0.0503	90.3
Daniel 1	0.1859	0.1301	65.0	0.2696	54.6
Daniel 2	0.0751	0.0526	81.7	0.1089	76.9

Summary of Target, Maximum, and Minimum
Equivalent Availabilities
for October 1996 - March 1997

Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Crist 6	90.0	91.5	87.8
Crist 7	81.8	85.8	75.8
Smith 1	92.1	93.0	90.8
Smith 2	91.8	92.7	90.3
Daniel 1	60.8	65.0	54.6
Daniel 2	79.8	81.7	76.9



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Gulf Power Company
Witness: G. D. Fontaine
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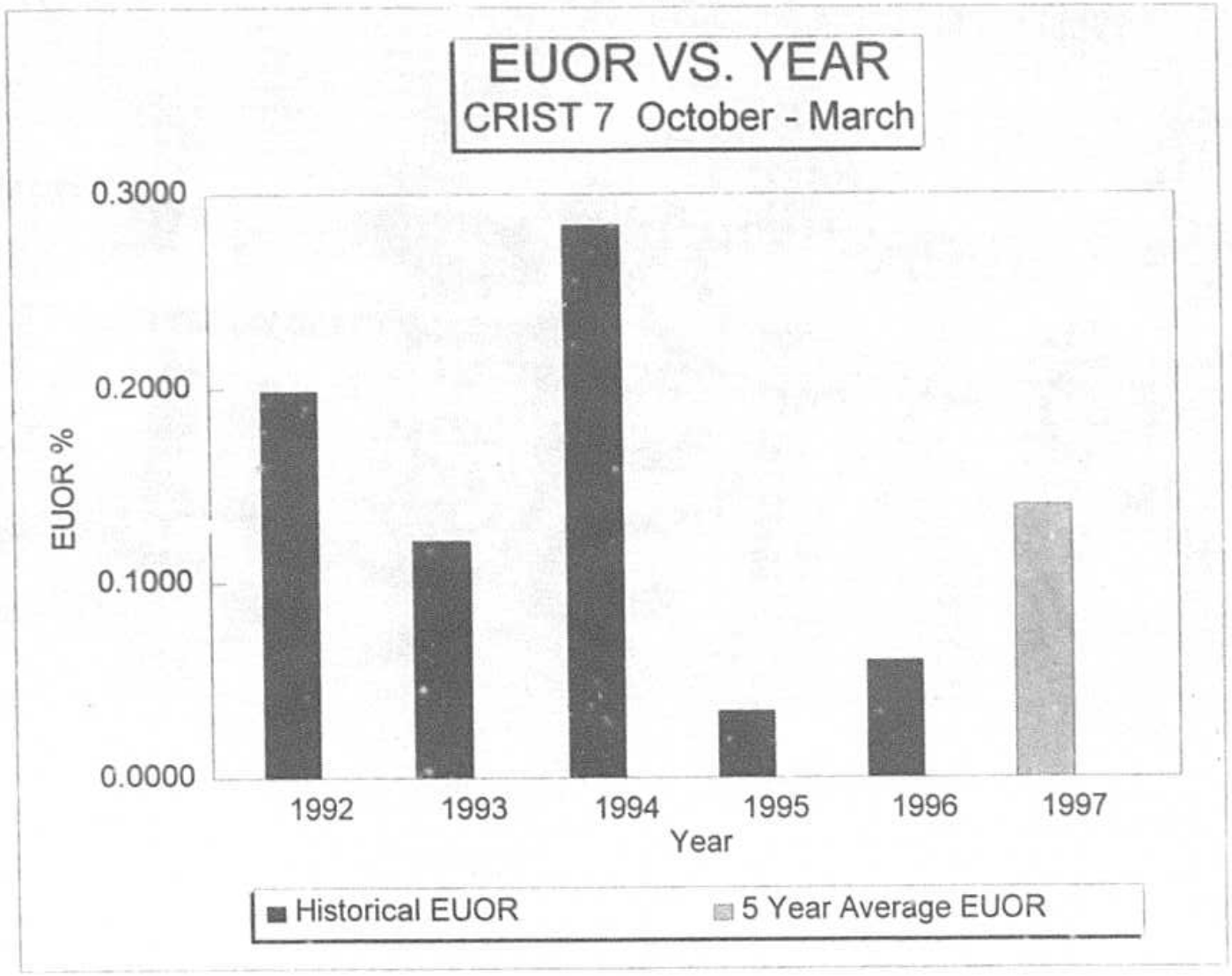

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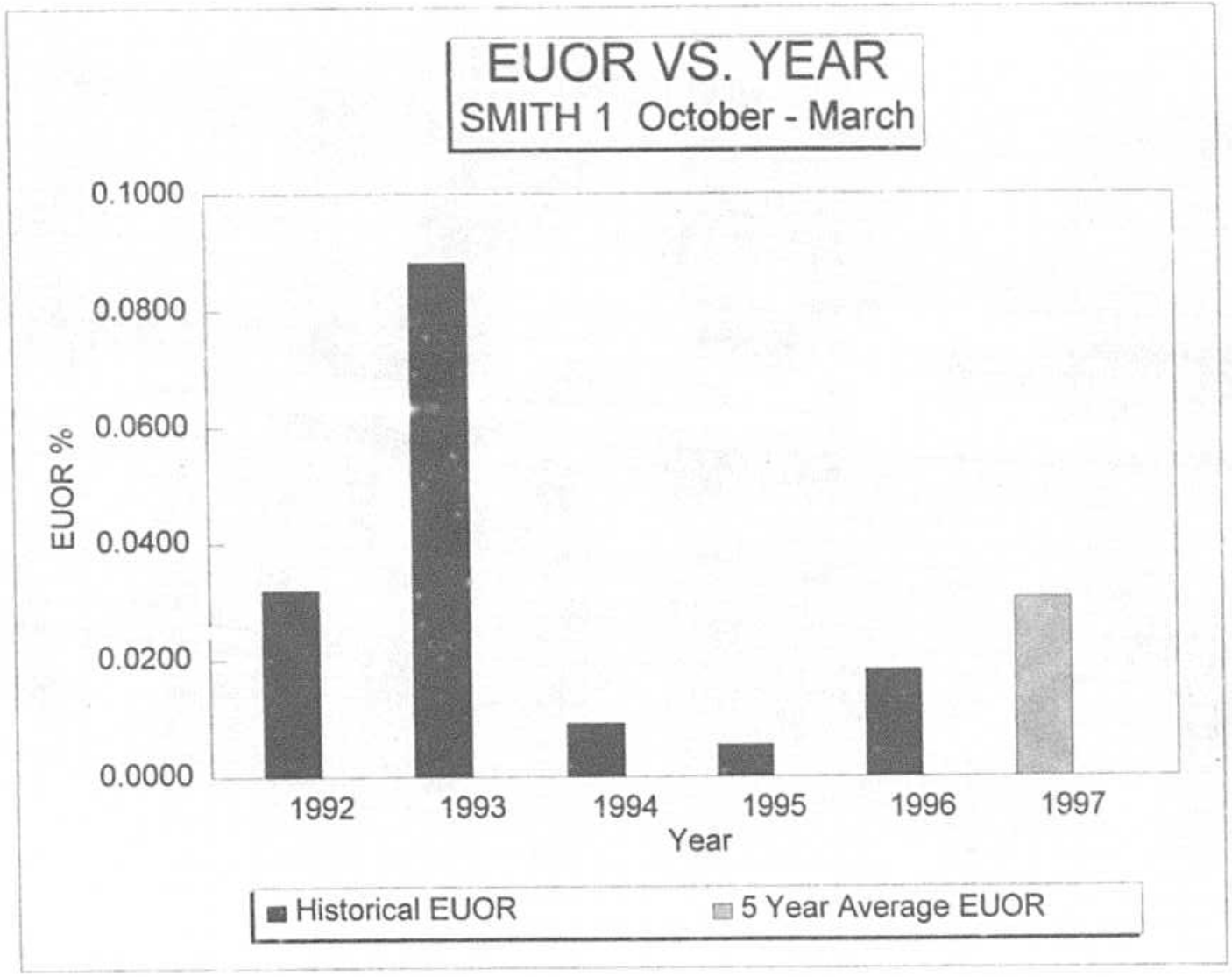

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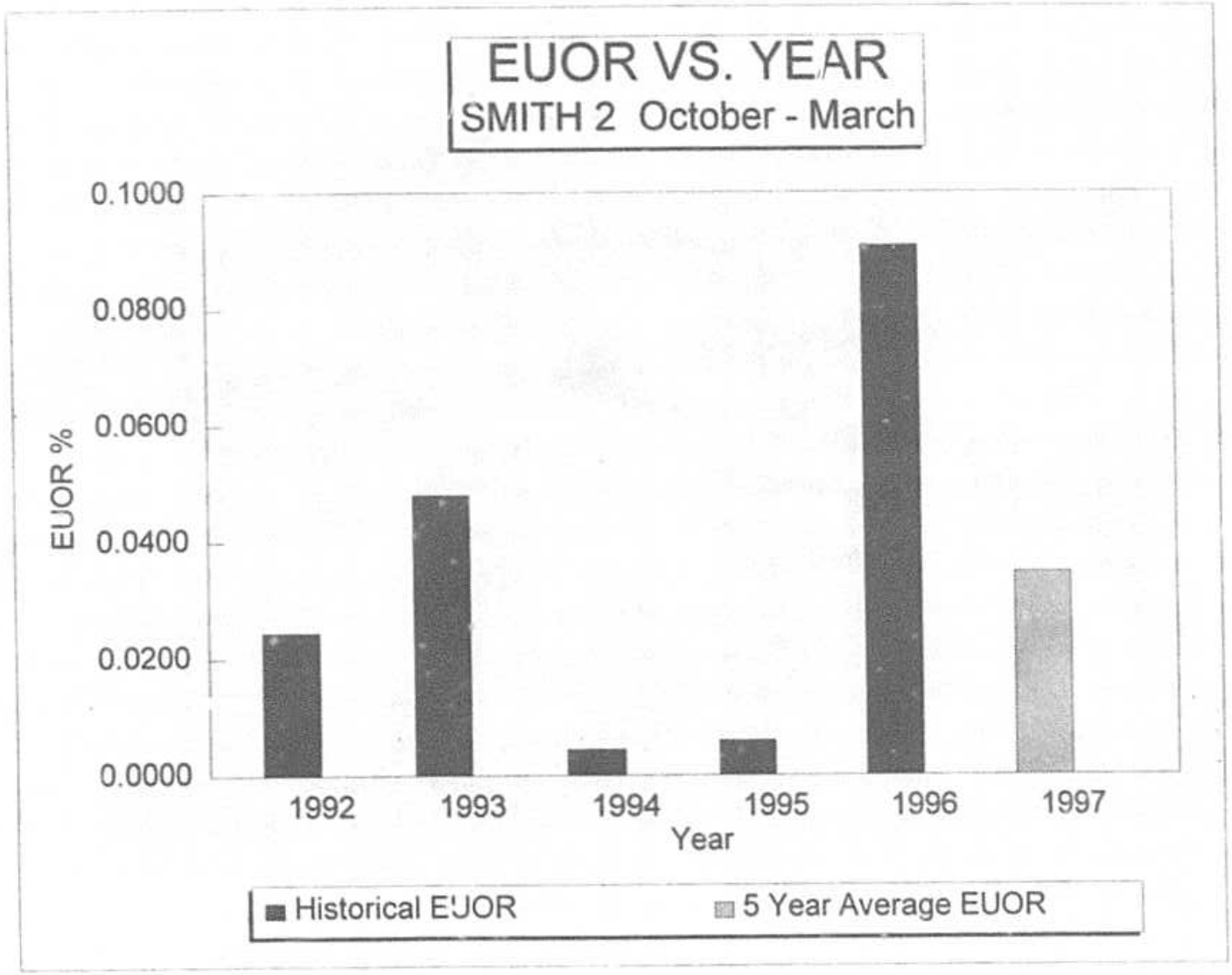

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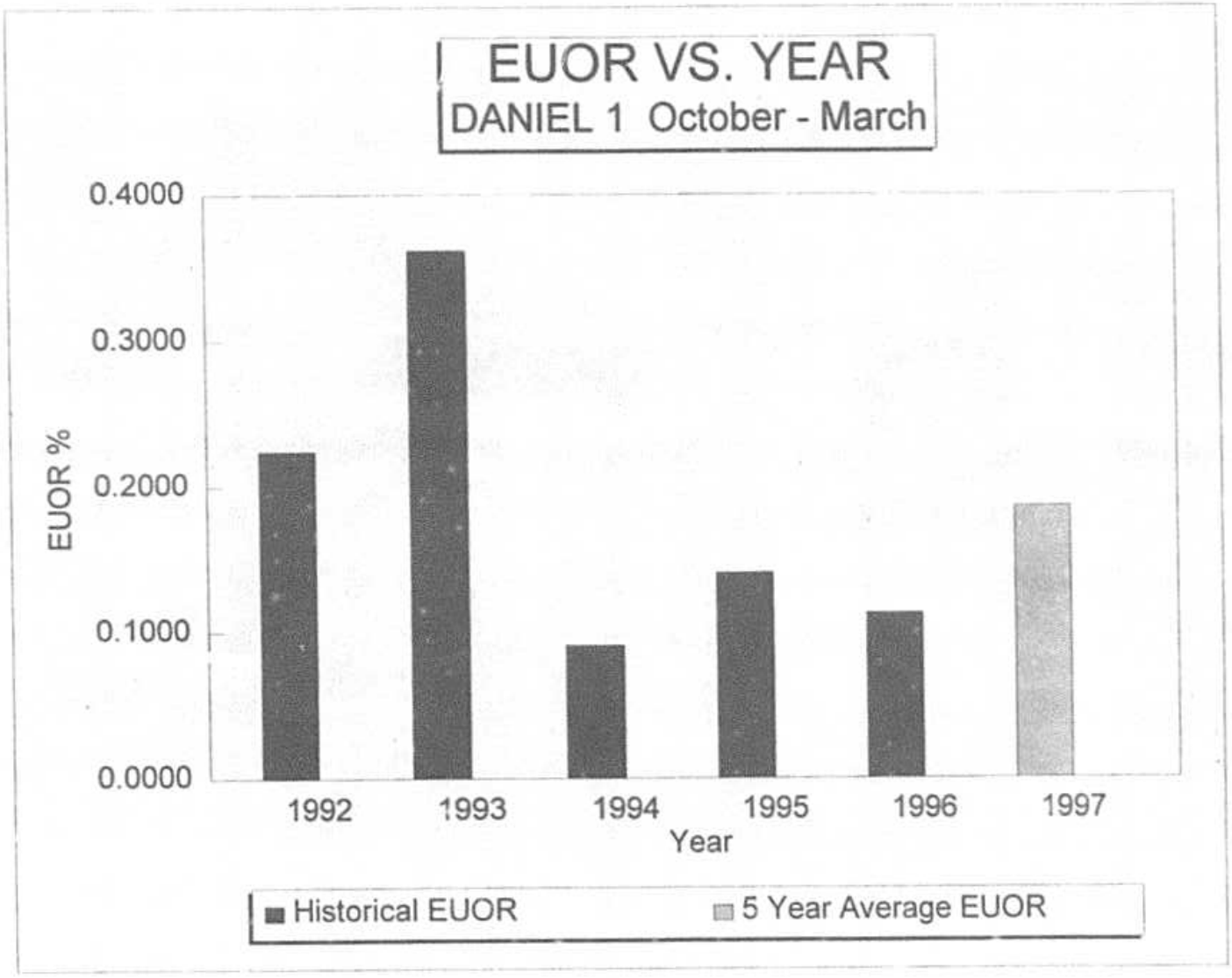

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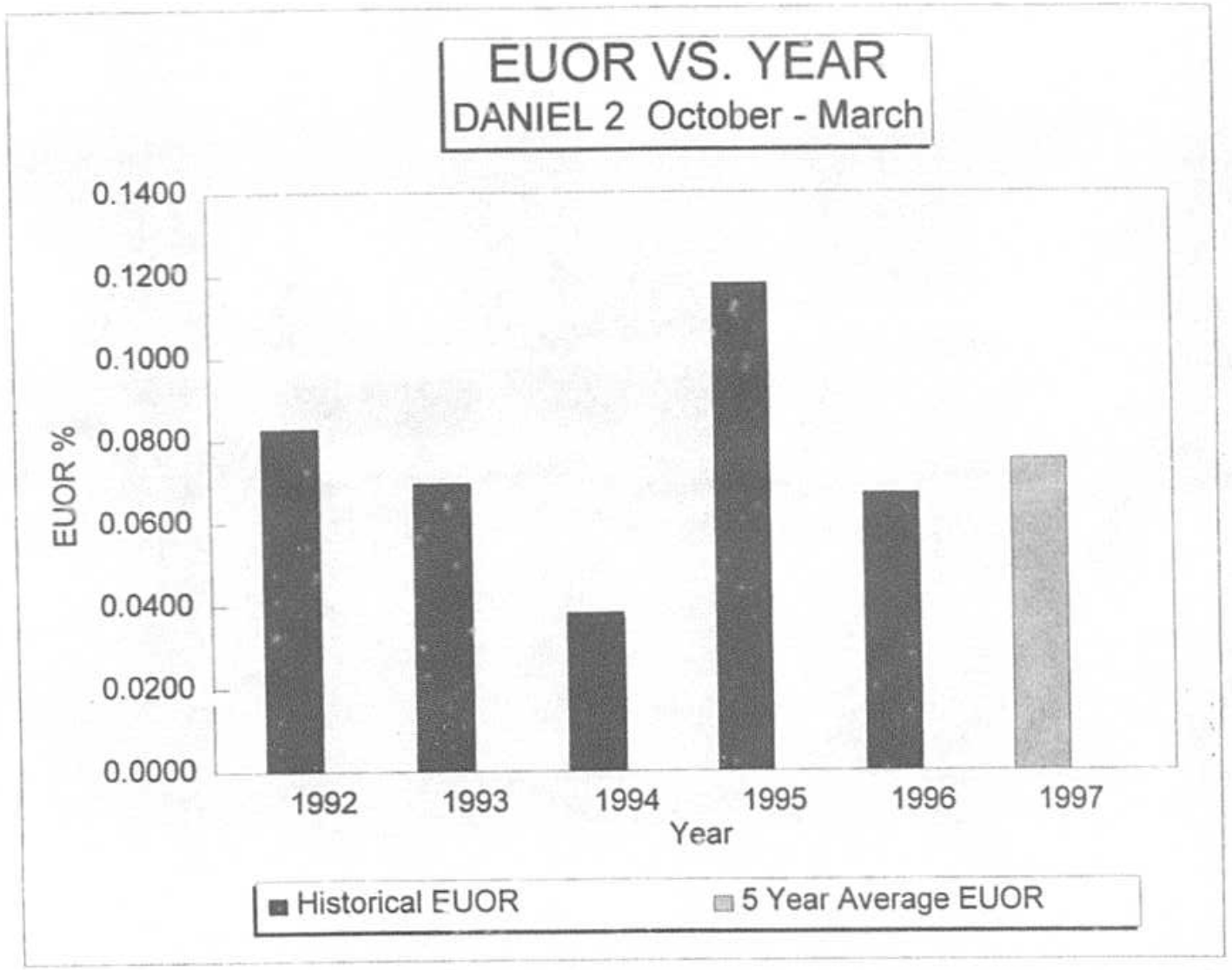

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III. GPIF MINIMUM FILING REQUIREMENTS FOR THE PERIOD OCTOBER 1996 - MARCH 1997

CONTENTS

Generating Performance Incentive Factor

Estimated Reward/Penalty Table

Gulf Power Company

Period of: October 1996 - March 1997

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	2731	886
+ 9	2458	797
+ 8	2185	708
+ 7	1912	620
+ 6	1639	531
+ 5	1366	443
+ 4	1092	354
+ 3	819	266
+ 2	546	177
+ 1	273	89
0	0	0
- 1	-277	-89
- 2	-553	-177
- 3	-830	-266
- 4	-1106	-354
- 5	-1383	-443
- 6	-1659	-531
- 7	-1936	-620
- 8	-2212	-708
- 9	-2489	-797
- 10	-2765	-886
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

Issued by: T. J. Bowden

Filed: June 24, 1996
Suspended:
Effective: October 1, 1996
Docket No.: 960001-EI
Order No.:

Generating Performance Incentive Factor

Calcu ation of Maximum Allowed Incentive Dollars

Estimated

Gulf Power Company

Period of: October 1996 - March 1997

Line 1	Beginning of Period Balance of Common Equity	$449,187,000
	End of Month Balance of Common Equity:	
Line 2	Month of Oct '96	$440,522,000
Line 3	Month of Nov '96	$442,867,000
Line 4	Month of Dec '96	$448,519,000
Line 5	Month of Jan '97	$441,316,000
Line 6	Month of Feb '97	$444,508,000
Line 7	Month of Mar '97	$448,423,000
Line 8	Average Common Equity for the Period (sum of line 1 through line 7 divided by 7)	$445,048,857
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)	$920,246
Line 12	Jurisdictional Sales (KWH)	3,913,567,105
Line 13	Total Territorial Sales (KWH)	4,066,746,026
Line 14	Jurisdictional Separation Factor (line 12 divided by line 13)	96.2334%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (line 11 multiplied by line 14)	$885,584

Issued by: T. J. Bowden

Filed: June 24, 1996
Suspended:
Effective: October 1, 1996
Docket No.: 960001-EI
Order No.:

GPIF Unit Performance Summary

Gulf Power Company

Period of: October 1996 - March 1997

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range Max %	EAF Range Min %	Max Fuel Savings ($000)	Max Fuel Loss ($000)
Crist 6	0.1%	90.0	91.5	87.8	$3	($3)
Crist 7	0.2%	81.8	85.8	75.8	$5	($7)
Smith 1	0.5%	92.1	93.0	90.8	$14	($12)
Smith 2	0.5%	91.8	92.7	90.3	$15	($14)
Daniel 1	0.8%	60.8	65.0	54.6	$23	($41)
Daniel 2	1.1%	79.8	81.7	76.9	$31	($48)

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	14.0%	10,710	54.5	10,389	11,031	$383	($383)
Crist 7	21.2%	10,626	58.3	10,307	10,945	$580	($580)
Smith 1	11.5%	10,269	95.6	9,961	10,577	$314	($314)
Smith 2	12.7%	10,354	90.7	10,043	10,665	$346	($346)
Daniel 1	15.6%	10,385	74.6	10,073	10,697	$427	($427)
Daniel 2	21.6%	10,141	78.1	9,837	10,445	$590	($590)

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: October 1996 - March 1997

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target			Actual Performance 1st Prior Period Oct '95 - Mar '96			Actual Performance 2nd Prior Period Oct '94 - Mar '95		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 6	0.1%	3.3%	0.0494	0.0501	0.0528	0.0847	0.0071	0.0103	0.0000	0.0228	0.0394
Crist 7	0.2%	5.5%	0.0494	0.1328	0.1397	0.4551	0.0323	0.0598	0.0415	0.0217	0.0340
Smith 1	0.5%	15.4%	0.0494	0.0291	0.0306	0.0397	0.0175	0.0182	0.0000	0.0053	0.0054
Smith 2	0.5%	16.5%	0.0494	0.0330	0.0347	0.0721	0.0832	0.0908	0.0385	0.0049	0.0059
Daniel 1	0.8%	25.3%	0.2527	0.1389	0.1859	0.4087	0.0659	0.1126	0.0000	0.1117	0.1405
Daniel 2	1.1%	34.1%	0.1373	0.0648	0.0751	0.5062	0.0321	0.0669	0.0000	0.0921	0.1179
Weighted GPIF System Average:			0.1307	0.0760	0.0924	0.3215	0.0460	0.0726	0.0086	0.0632	0.0806

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: October 1996 - March 1997

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Oct '93 - Mar '94			Actual Performance 4th Prior Period Oct '92 - Mar '93			Actual Performance 5th Prior Period Oct '91 - Mar '92		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 6	0.1%	3.3%	0.1595	0.0259	0.0333	0.1011	0.1040	0.1194	0.0000	0.0577	0.0618
Crist 7	0.2%	5.5%	0.1083	0.2535	0.2843	0.0632	0.1134	0.1217	0.1851	0.1548	0.1988
Smith 1	0.5%	15.4%	0.3070	0.0052	0.0091	0.0501	0.0830	0.0882	0.0331	0.0303	0.0319
Smith 2	0.5%	16.5%	0.0811	0.0038	0.0044	0.2975	0.0327	0.0480	0.0958	0.0221	0.0245
Daniel 1	0.8%	25.3%	0.2254	0.0329	0.0907	0.2957	0.0640	0.3618	0.3484	0.1243	0.2241
Daniel 2	1.1%	34.1%	0.2641	0.0110	0.0381	0.2337	0.0308	0.0696	0.3278	0.0422	0.0828
Weighted GPIF System Average:			0.2187	0.0283	0.0547	0.2179	0.0545	0.1473	0.2308	0.0645	0.1068

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Average Net Operating Heat Rate

Gulf Power Company

Period of: October 1996 - March 1997

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Heat Rate Target	1st Prior Period Heat Rate Oct '95 - Mar '96	2nd Prior Period Heat Rate Oct '94 - Mar '95	3rd Prior Period Heat Rate Oct '93 - Mar '94
Crist 6	14.0%	14.5%	10,710	10,703	10,660	10,730
Crist 7	21.2%	22.0%	10,626	10,721	10,579	10,720
Smith 1	11.5%	11.9%	10,269	10,302	10,251	10,260
Smith 2	12.7%	13.1%	10,354	10,352	10,312	10,361
Daniel 1	15.6%	16.2%	10,385	10,541	10,415	10,168
Daniel 2	21.6%	22.3%	10,141	14,821	10,078	10,014
Weighted GPIF System Average:			10,413	11,507	10,378	10,373

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Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 6 Oct '94 - Mar '95

	Oct	Nov	Dec	Jan	Feb	Mar
1. Target Heat Rate*	10514	10691	10795	10916	10781	10658
2. Target Heat Rate at Actual Conditions**	10808	10744	11097	11139	11093	11077
3. Adjustments to Actual Heat Rate (1-2)	-294	-53	-302	-223	-312	-419
4. Actual Heat Rate for Prior Period	10789	10644	10941	10884	11162	11179
5. Adjusted actual Heat Rate (4+3)	10495	10591	10639	10661	10850	10760
6. Forecast Net MWH Generation*	140160	116700	86990	102460	106770	127290

7. Adjusted Actual Heat Rate for Oct '94 - Mar '95
= (Σ ((5) * (6)))/(Σ (6)) 10,660

* For the October 1996 - March 1997 time period.

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

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Derivation of Weighting Factors

Gulf Power Company

Period of: October 1996 - March 1997

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	$91,997	$91,994	$3	0.1%
Crist 6	ANOHR-1	$91,997	$91,614	$383	14.0%
Crist 7	EA-2	$91,997	$91,992	$5	0.2%
Crist 7	ANOHR-2	$91,997	$91,417	$580	21.2%
Smith 1	EA-3	$91,997	$91,983	$14	0.5%
Smith 1	ANOHR-3	$91,997	$91,683	$314	11.5%
Smith 2	EA-4	$91,997	$91,982	$15	0.5%
Smith 2	ANOHR-4	$91,997	$91,651	$346	12.7%
Daniel 1	EA-5	$91,997	$91,974	$23	0.8%
Daniel 1	ANOHR-5	$91,997	$91,570	$427	15.6%
Daniel 2	EA-6	$91,997	$91,966	$31	1.1%
Daniel 2	ANOHR-6	$91,997	$91,407	$590	21.6%
					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.

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: October 1996 - March 1997

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	3	91.50	+ 10	383	10,389
+ 9	3	91.35	+ 9	345	10,414
+ 8	2	91.20	+ 8	306	10,438
+ 7	2	91.05	+ 7	268	10,463
+ 6	2	90.90	+ 6	230	10,487
+ 5	2	90.75	+ 5	192	10,512
+ 4	1	90.60	+ 4	153	10,537
+ 3	1	90.45	+ 3	115	10,561
+ 2	1	90.30	+ 2	77	10,586
+ 1	0	90.15	+ 1	38	10,610
				0	10,635
0	0	90.00	0	0	10,710
				0	10,785
- 1	(0)	89.78	- 1	(38)	10,810
- 2	(1)	89.56	- 2	(77)	10,834
- 3	(1)	89.34	- 3	(115)	10,859
- 4	(1)	89.12	- 4	(153)	10,883
- 5	(2)	88.90	- 5	(192)	10,908
- 6	(2)	88.68	- 6	(230)	10,933
- 7	(2)	88.46	- 7	(268)	10,957
- 8	(2)	88.24	- 8	(306)	10,982
- 9	(3)	88.02	- 9	(345)	11,006
- 10	(3)	87.80	- 10	(383)	11,031
Weighting Factor:		0.001	Weighting Factor:		0.140

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: October 1996 - March 1997

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
		93.00			9,961
+ 10	14	92.91	+ 10	314	9,984
+ 9	13	92.82	+ 9	283	10,008
+ 8	11	92.73	+ 8	251	10,031
+ 7	10	92.64	+ 7	220	10,054
+ 6	8	92.55	+ 6	188	10,078
+ 5	7	92.46	+ 5	157	10,101
+ 4	6	92.37	+ 4	126	10,124
+ 3	4	92.28	+ 3	94	10,147
+ 2	3	92.19	+ 2	63	10,171
+ 1	1		+ 1	31	10,194
		92.10		0	10,269
0	0		0	0	10,344
		91.97		0	10,367
- 1	(1)	91.84	- 1	(31)	10,391
- 2	(2)	91.71	- 2	(63)	10,414
- 3	(4)	91.58	- 3	(94)	10,437
- 4	(5)	91.45	- 4	(126)	10,461
- 5	(6)	91.32	- 5	(157)	10,484
- 6	(7)	91.19	- 6	(188)	10,507
- 7	(8)	91.06	- 7	(220)	10,530
- 8	(10)	90.93	- 8	(251)	10,554
- 9	(11)	90.80	- 9	(283)	10,577
- 10	(12)		- 10	(314)	
Weighting Factor:		0.005	Weighting Factor:		0.115

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: October 1996 - March 1997

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	15	92.70	+ 10	346	10,043
+ 9	14	92.61	+ 9	311	10,067
+ 8	12	92.52	+ 8	277	10,090
+ 7	11	92.43	+ 7	242	10,114
+ 6	9	92.34	+ 6	208	10,137
+ 5	8	92.25	+ 5	173	10,161
+ 4	6	92.16	+ 4	138	10,185
+ 3	5	92.07	+ 3	104	10,208
+ 2	3	91.98	+ 2	69	10,232
+ 1	2	91.89	+ 1	35	10,255
				0	10,279
0	0	91.80	0	0	10,354
				0	10,429
- 1	(1)	91.65	- 1	(35)	10,453
- 2	(3)	91.50	- 2	(69)	10,476
- 3	(4)	91.35	- 3	(104)	10,500
- 4	(6)	91.20	- 4	(138)	10,523
- 5	(7)	91.05	- 5	(173)	10,547
- 6	(8)	90.90	- 6	(208)	10,571
- 7	(10)	90.75	- 7	(242)	10,594
- 8	(11)	90.60	- 8	(277)	10,618
- 9	(13)	90.45	- 9	(311)	10,641
- 10	(14)	90.30	- 10	(346)	10,665
Weighting Factor:		0.005	Weighting Factor:		0.127

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: October 1996 - March 1997

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	23	65.00	+ 10	427	10,073
+ 9	21	64.58	+ 9	384	10,097
+ 8	18	64.16	+ 8	342	10,120
+ 7	16	63.74	+ 7	299	10,144
+ 6	14	63.32	+ 6	256	10,168
+ 5	12	62.90	+ 5	214	10,192
+ 4	9	62.48	+ 4	171	10,215
+ 3	7	62.06	+ 3	128	10,239
+ 2	5	61.64	+ 2	85	10,263
+ 1	2	61.22	+ 1	43	10,286
				0	10,310
0	0	60.80	0	0	10,385
				0	10,460
- 1	(4)	60.18	- 1	(43)	10,484
- 2	(8)	59.56	- 2	(85)	10,507
- 3	(12)	58.94	- 3	(128)	10,531
- 4	(16)	58.32	- 4	(171)	10,555
- 5	(21)	57.70	- 5	(214)	10,579
- 6	(25)	57.08	- 6	(256)	10,602
- 7	(29)	56.46	- 7	(299)	10,626
- 8	(33)	55.84	- 8	(342)	10,650
- 9	(37)	55.22	- 9	(384)	10,673
- 10	(41)	54.60	- 10	(427)	10,697
Weighting Factor:		0.008	Weighting Factor:		0.156

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: October 1996 - March 1997

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	31	81.70	+ 10	590	9,837
+ 9	28	81.51	+ 9	531	9,860
+ 8	25	81.32	+ 8	472	9,883
+ 7	22	81.13	+ 7	413	9,906
+ 6	19	80.94	+ 6	354	9,929
+ 5	16	80.75	+ 5	295	9,952
+ 4	12	80.56	+ 4	236	9,974
+ 3	9	80.37	+ 3	177	9,997
+ 2	6	80.18	+ 2	118	10,020
+ 1	3	79.99	+ 1	59	10,043
				0	10,066
0	0	79.80	0	0	10,141
				0	10,216
- 1	(5)	79.51	- 1	(59)	10,239
- 2	(10)	79.22	- 2	(118)	10,262
- 3	(14)	78.93	- 3	(177)	10,285
- 4	(19)	78.64	- 4	(236)	10,308
- 5	(24)	78.35	- 5	(295)	10,331
- 6	(29)	78.06	- 6	(354)	10,353
- 7	(34)	77.77	- 7	(413)	10,376
- 8	(38)	77.48	- 8	(472)	10,399
- 9	(43)	77.19	- 9	(531)	10,422
- 10	(48)	76.90	- 10	(590)	10,445
Weighting Factor:		0.011	Weighting Factor:		0.216

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ESTIMATED UNIT PERFORMANCE DATA

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: October 1996 - March 1997

	CRIST 6	Oct '96	Nov '96	Dec '96	Jan '97	Feb '97	Mar '97	Total
1.	EAF (%)	96.0	92.8	70.4	89.8	96.0	96.0	90.0
2.	POF (%)	0.0	3.3	25.8	0.0	0.0	0.0	4.9
3.	EUOF (%)	4.0	3.9	3.8	10.2	4.0	4.0	5.1
4.	EUOR (%)	4.0	4.0	5.1	10.2	4.0	4.0	5.3
5.	PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
6.	SH	715.0	668.0	530.0	668.0	645.0	714.0	3940.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	30.0	52.0	214.0	76.0	27.0	30.0	429.0
9.	POH	0.0	24.0	192.0	0.0	0.0	0.0	216.0
10.	FOH & EFOH	30.0	28.0	28.0	28.0	27.0	30.0	171.0
11.	MOH & EMOH	0.0	0.0	0.0	48.0	0.0	0.0	48.0
12.	Oper MBtu	1473642.0	1247640.0	939057.0	1118453.0	1151087.0	1356657.0	7286536.0
13.	Net Gen (MWH)	140160.0	116700.0	86990.0	102460.0	106770.0	127290.0	680370.0
14.	ANOHR (Btu/KWH)	10514.0	10691.0	10795.0	10916.0	10781.0	10658.0	10710.0
15.	NCF %	61.8	55.1	51.8	48.4	52.2	56.2	54.5
16.	NPC (MW)	317.0	317.0	317.0	317.0	317.0	317.0	317.0
19.	ANOHR Equation	10^6 / ANN * [293.63 * 41.78 * MAY * 47.50 * JUN * 71.49 * JUL * 69.47 * AUG * 53.54 * SEP] * 9,067						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: October 1996 - March 1997

	CRIST 7	Oct '96	Nov '96	Dec '96	Jan '97	Feb '97	Mar '97	Total
1.	EAF (%)	87.7	60.8	87.6	87.6	78.3	87.6	81.8
2.	POF (%)	0.0	30.0	0.0	0.0	0.0	0.0	4.9
3.	EUOF (%)	12.3	9.2	12.4	12.4	21.7	12.4	13.3
4.	EUOR (%)	12.3	13.1	12.4	12.4	21.7	12.4	14.0
5.	PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
6.	SH	653.0	442.0	652.0	652.0	526.0	652.0	3577.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	92.0	278.0	92.0	92.0	146.0	92.0	792.0
9.	POH	0.0	216.0	0.0	0.0	0.0	0.0	216.0
10.	FOH & EFOH	92.0	66.0	92.0	92.0	74.0	92.0	508.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	72.0	0.0	72.0
12.	Oper MBtu	2277048.0	1434576.0	1957416.0	1815514.0	1584829.0	2095369.0	11164752.0
13.	Net Gen (MWH)	217400.0	135760.0	183210.0	167870.0	148420.0	198050.0	1050710.0
14.	ANOHR (Btu/KWH)	10474.0	10567.0	10684.0	10815.0	10678.0	10580.0	10626.0
15.	NOF %	66.1	60.9	55.8	51.1	56.0	60.3	58.3
16.	NPC (MW)	504.0	504.0	504.0	504.0	504.0	504.0	504.0

19. ANOHR Equation

$$10^{*}6 / ANH * [\ 715.72 + 37.42 * MAY + 72.62 * JUL + 65.08 * AUG\ ] + 6,979 + 0.00356 * LERF / ANH$$

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: October 1996 - March 1997

	SMITH 1	Oct '96	Nov '96	Dec '96	Jan '97	Feb '97	Mar '97	Total
1.	EAF (%)	97.6	67.8	97.6	97.6	94.2	97.6	92.1
2.	POF (%)	0.0	30.0	0.0	0.0	0.0	0.0	4.9
3.	EUOF (%)	2.4	2.2	2.4	2.4	5.8	2.4	3.0
4.	EUOR (%)	2.4	3.2	2.4	2.4	5.8	2.4	3.1
5.	PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
6.	SH	727.0	492.0	726.0	726.0	633.0	726.0	4030.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	18.0	228.0	18.0	18.0	39.0	18.0	339.0
9.	POH	0.0	216.0	0.0	0.0	0.0	0.0	216.0
10.	FOH & EFOH	18.0	16.0	18.0	18.0	15.0	18.0	103.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	24.0	0.0	24.0
12.	Oper MBtu	1154409.0	799134.0	1103754.0	1162331.0	1010143.0	1142753.0	6372524.0
13.	Net Gen (MWH)	113500.0	77820.0	108190.0	112140.0	97920.0	110990.0	620560.0
14.	ANOHR (Btu/KWH)	10171.0	10269.0	10202.0	10365.0	10316.0	10296.0	10269.0
15.	NOF %	97.0	98.2	92.6	95.9	96.1	95.0	95.6
16.	NPC (MW)	161.0	161.0	161.0	161.0	161.0	161.0	161.0

19.	ANOHR Equation	$10^{**}6 / ANH * (102.51 * 28.97 * JAN * 21.60 * FEB * 17.09 * MAR * 16.86 * NOV) + 9.514$

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GULF POWER COMPANY

PERIOD OF: October 1996 - March 1997

	SMITH 2	Oct '96	Nov '96	Dec '96	Jan '97	Feb '97	Mar '97	Total
1.	EAF (%)	97.7	68.1	97.7	97.7	90.8	97.7	91.8
2.	POF (%)	0.0	30.0	0.0	0.0	0.0	0.0	4.9
3.	EUOF (%)	2.3	1.9	2.3	2.3	9.2	2.3	3.3
4.	EUOR (%)	2.3	2.8	2.3	2.3	9.2	2.3	3.5
5.	PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
6.	SH	728.0	493.0	727.0	727.0	610.0	727.0	4012.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	17.0	227.0	17.0	17.0	62.0	17.0	357.0
9.	POH	0.0	216.0	0.0	0.0	0.0	0.0	216.0
10.	FOH & EFOH	17.0	14.0	17.0	17.0	14.0	17.0	96.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	48.0	0.0	48.0
12.	Oper MBtu	1321870.0	912860.0	1240817.0	1317354.0	1103697.0	1297825.0	7194423.0
13.	Net Gen (MWH)	128200.0	88610.0	119990.0	126620.0	107020.0	124420.0	694860.0
14.	ANOHR (Btu/KWH)	10311.0	10302.0	10341.0	10404.0	10313.0	10431.0	10354.0
15.	NOF %	92.2	94.1	86.4	91.2	91.9	89.6	90.7
16.	NPC (MW)	191.0	191.0	191.0	191.0	191.0	191.0	191.0
19.	ANOHR Equation	10^{-6} / ANOH = [79.43 * 15.31 * JAN + 18.19 * MAR + 19.86 * APR + 33.80 * JUN - 17.79 * SEP] + 9,860						

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Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: October 1996 - March 1997

	DANIEL 1	Oct '96	Nov '96	Dec '96	Jan '97	Feb '97	Mar '97	Total
1.	EAF (%)	62.7	61.7	80.5	91.7	69.3	0.0	60.8
2.	POF (%)	25.8	0.0	0.0	0.0	25.0	100.0	25.3
3.	EUOF (%)	11.5	38.3	19.5	8.3	5.7	0.0	13.9
4.	EUOR (%)	15.6	38.3	19.5	8.3	7.5	0.0	18.6
5.	PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
6.	SH	467.0	444.0	599.0	688.0	466.0	0.0	2664.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	278.0	276.0	145.0	56.0	206.0	744.0	1705.0
9.	POH	192.0	0.0	0.0	0.0	168.0	744.0	1104.0
10.	FOH & EFOH	38.0	36.0	49.0	62.0	38.0	0.0	223.0
11.	MOH & EMOH	48.0	240.0	96.0	0.0	0.0	0.0	384.0
12.	Oper MBtu	1852913.0	1779480.0	2186233.0	2543486.0	1818611.0	0.0	10180723.0
13.	Net Gen (MWH)	179060.0	172130.0	209590.0	244120.0	175440.0	0.0	980340.0
14.	ANOHR (Btu/KWH)	10348.0	10338.0	10431.0	10419.0	10366.0	-	10385.0
15.	NOF %	77.8	78.6	71.0	72.0	76.4	0.0	74.6
16.	NPC (MW)	493.0	493.0	493.0	493.0	493.0	493.0	493.0

19.	ANOHR Equation	$10^{**}6 / AXH * [-198.30]$ $+ 12,928 - 0.00516 * LERF / AXH$

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: October 1996 - March 1997

	DANIEL 2	Oct '96	Nov '96	Dec '96	Jan '97	Feb '97	Mar '97	Total
1.	EAF (%)	71.3	96.9	96.9	78.2	93.5	43.8	79.8
2.	POF (%)	25.8	0.0	0.0	0.0	0.0	54.8	13.7
3.	EUOF (%)	2.9	3.1	3.1	21.8	6.5	1.4	6.5
4.	EUOR (%)	4.0	3.1	3.1	21.8	6.5	3.0	7.5
5.	PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
6.	SH	536.0	698.0	721.0	582.0	628.0	326.0	3491.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	209.0	22.0	23.0	162.0	44.0	418.0	878.0
9.	POH	192.0	0.0	0.0	0.0	0.0	408.0	600.0
10.	FOH & EFOH	22.0	22.0	23.0	18.0	20.0	10.0	115.0
11.	MOH & EMOH	0.0	0.0	0.0	144.0	24.0	0.0	168.0
12.	Oper MBtu	2141832.0	2794835.0	2654502.0	2303184.0	2516690.0	1266735.0	13677778.0
13.	Net Gen (MWH)	211790.0	276470.0	259330.0	227430.0	248980.0	124740.0	1348740.0
14.	ANOHR (Btu/KWH)	10113.0	10109.0	10236.0	10127.0	10108.0	10155.0	10141.0
15.	NOF %	79.8	80.0	72.7	78.9	80.1	77.3	78.1
16.	NPC (MW)	495.0	495.0	495.0	495.0	495.0	495.0	495.0

19.	ANOHR Equation	$10^{*} / AKW * [-96.94]$ $* 13.068 - 0.00474 * LERF / AKW$

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Planned Outage Schedules (Estimated)

Gulf Power Company

Period of: October 1996 - March 1997

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	11/16/96 - 11/24/96	Semi-annual general boiler maintenance and inspection.
Dainel 1	10/05/96 - 10/12/96	Precipitator wash, general boiler maintenance and inspection.
Dainel 1	02/22/97 - 04/06/97	General boiler maintenance and inspection.
Dainel 2	10/05/96 - 10/12/96	Precipitator wash, general boiler maintenance and inspection.
Dainel 2	03/15/97 - 04/06/97	General boiler maintenance and inspection.

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Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: October 1996 - March 1997

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 October 1996 - March 1997, 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	04/26/97 - 05/11/97	Semi-annual general boiler maintenance and inspection.
Crist 7	04/05/97 - 04/20/97	Semi-annual general boiler maintenance and inspection.
Smith 1	04/05/97 - 04/20/97	Semi-annual general boiler maintenance and inspection.
Smith 2	05/10/97 - 05/25/97	Semi-annual general boiler maintenance and inspection.
Daniel 1	04/26/97 - 05/04/97	Precipitator wash, general boiler maintenance and inspection.
Daniel 2	05/03/97 - 05/11/97	Precipitator wash, general boiler maintenance and inspection.

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AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 960001-EI

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

George D. Fontaine
Performance Test Specialist

Sworn to and subscribed before me this 14th day of June, 1996.

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

Commission Number:

Commission Expires:

ROLLANDA R. COTHRAN
MY COMMISSION EXPIRES
FEBRUARY 26, 1998
#CC 346358
Notary Public Underwriters
NOTARY PUBLIC, STATE OF FLORIDA