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GULF POWER
A SOUTHERN COMPANY

June 20, 1997

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. 970001-EI are an original and ten copies of the following:

1. Petition of Gulf Power Company for Approval of Final Fuel Cost True-up Amounts and GPIF Adjustment for October 1996 through March 1997; Estimated Fuel Cost True-up Amounts for April 1997 through September 1997; Projected Fuel Cost Recovery Amounts for October 1997 through March 1998; Final Purchased Power Capacity Cost True-up Amounts for October 1995 through September 1996; Estimated Purchased Power Capacity Cost True-up for October 1996 through September 1997; Projected Purchased Power Capacity Cost Recovery Amount for October 1997 through September 1998; GPIF Targets and Ranges for October 1997 through March 1998; Estimated As-available Avoided Energy Costs and Fuel Cost Recovery Factors to be applied beginning with the period October 1997 through March 1998; Capacity Cost Recovery Factors to be applied beginning with the period October 1997 through September 1998.
2. Prepared direct testimony and exhibit of M. F. Oaks. 6265-97
3. Prepared direct testimony and exhibit of G. D. Fontaine. 6266-97
4. Prepared direct testimony and exhibit of M. W. Howell. 06267-97
5. Prepared direct testimony and exhibit of S. D. Cranmer. 06268-97

ACK ____
AFA Gardner
APP ____
CAF ____
CMU ____
CTR ____
EAG ____
LEG 1
3 tags
____
____
SEC 1
WAS ____
OTH ____

Petition

DOCUMENT NUMBER-DATE
06264 JUN 23 97
FPSC-RECORDS/REPORTING

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

Susan D. Cranmer
Assistant Secretary and Assistant Treasurer

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. 970001-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 20th day of June 1997 on the following:

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ORIGINAL
FILE C

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

GENERATING PERFORMANCE INCENTIVE FACTOR

TARGETS FOR

OCTOBER 1997 - MARCH 1998

Before

THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 970001-EI

DOCUMENT NUMBER-DATE
06266 JUN 23 97
FPSC-RECORDS/REPORTING

GULF POWER COMPANY
Before the Florida Public Service Commission
Direct Testimony of
G. D. Fontaine
Docket No. 970001-EI
Date of Filing June 23, 1997

Q. Please state your name, address and occupation.

A. My name is George D. Fontaine, my business address is 500 Bayfront Parkway, 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, 1997 through March 31, 1998.

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, 1997 through March 31, 1998?

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. In every case they 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. 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, 1997 through March 31, 1998.

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. 970001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. ___ (GDF-2)

EXHIBIT TO THE TESTIMONY OF

G. D. FONTAINE

IN FPSC DOCKET 970001-EI

I. DETERMINATION OF HEAT RATE TARGETS

Target Heat Rate Equations

Crist 6 ANOHR 10^6 / AKW * [654.55 - 35.22 * JAN - 46.17 * MAR - 35.64 * OCT]

+ 4,263 + 0.01390 * LSRF / AKW

Crist 7 ANOHR 10^6 / AKW * [252.95 + 56.09 * JUL + 46.37 * AUG]

+ 9,712

Smith 1 ANOHR 10^6 / AKW * [66.85 + 18.60 * JAN + 12.96 * FEB + 15.65 * MAR + 22.26 * APR]

+ 9,758

Smith 2 ANOHR 10^6 / AKW * [-4.92 + 14.46 * MAR + 12.91 * APR + 17.84 * JUL + 24.13 * AUG - 15.09 * NOV]

+ 10,366

Daniel 1 ANOHR 10^6 / AKW * [-115.93]

+ 12,398 - 0.00411 * LSRF / AKW

Daniel 2 ANOHR 10^6 / AKW * [74.15]

+ 11,439 - 0.00339 * 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	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
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
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

Data Base for CRIST 6 Target Heat Rate Equation

	HR	HOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
	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
	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
	10918	167	160.1	29483	0	0	0	1	0	0	0	0	0	0	0	0	1996
	10897	168	144.1	22781	0	0	0	1	0	0	0	0	0	0	0	0	1996
	11024	159	160.2	29526	0	0	0	1	0	0	0	0	0	0	0	0	1996
	10954	168	150.2	25419	0	0	0	1	0	0	0	0	0	0	0	0	1996
	10561	168	179.0	36527	0	0	0	0	1	0	0	0	0	0	0	0	1996
	10827	168	160.7	28941	0	0	0	0	1	0	0	0	0	0	0	0	1996
*	7815	7	98.9	10077	0	0	0	0	1	0	0	0	0	0	0	0	1996
	11704	77	119.2	14516	0	0	0	0	1	0	0	0	0	0	0	1	1996
	10771	168	150.6	24664	0	0	0	0	0	1	0	0	0	0	0	0	1996

Data Base for CRIST 6 Target Heat Rate Equation

NR	HOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10497	168	165.5	31083	0	0	0	0	0	1	0	0	0	0	0	0	1996
10510	155	182.1	38418	0	0	0	0	0	1	0	0	0	0	0	0	1996
10433	168	188.3	39686	0	0	0	0	0	1	0	0	0	0	0	0	1996
10554	168	166.0	32167	0	0	0	0	0	0	1	0	0	0	0	0	1996
10506	168	189.1	40435	0	0	0	0	0	0	1	0	0	0	0	0	1996
10437	168	208.4	48527	0	0	0	0	0	0	1	0	0	0	0	0	1996
10660	168	174.1	34747	0	0	0	0	0	0	1	0	0	0	0	0	1996
10594	168	179.8	37388	0	0	0	0	0	0	0	1	0	0	0	0	1996
10555	168	185.8	40687	0	0	0	0	0	0	0	1	0	0	0	0	1996
10635	168	177.1	36296	0	0	0	0	0	0	0	1	0	0	0	0	1996
10574	168	166.9	30468	0	0	0	0	0	0	0	1	0	0	0	0	1996
10800	168	143.3	23026	0	0	0	0	0	0	0	1	0	0	0	0	1996
10577	168	170.0	32930	0	0	0	0	0	0	0	0	1	0	0	0	1996
10559	168	164.6	32612	0	0	0	0	0	0	0	0	1	0	0	0	1996
10645	168	186.3	42682	0	0	0	0	0	0	0	0	1	0	0	0	1996
10544	168	185.4	41787	0	0	0	0	0	0	0	0	1	0	0	0	1996
10660	24	150.4	27195	0	0	0	0	0	0	0	0	1	0	0	0	1996
10934	168	137.4	20296	0	0	0	0	0	0	0	0	0	1	0	0	1996
10769	168	139.4	20831	0	0	0	0	0	0	0	0	0	1	0	0	1996
10484	168	156.3	27865	0	0	0	0	0	0	0	0	0	1	0	0	1996
10613	169	162.6	30049	0	0	0	0	0	0	0	0	0	1	0	0	1996
10882	168	141.1	21315	0	0	0	0	0	0	0	0	0	0	1	0	1996
11015	168	142.8	22265	0	0	0	0	0	0	0	0	0	0	1	0	1996
10666	168	171.6	32771	0	0	0	0	0	0	0	0	0	0	1	0	1996
10652	152	160.3	27575	0	0	0	0	0	0	0	0	0	0	1	0	1996
11712	20	145.9	23325	0	0	0	0	0	0	0	0	0	0	0	1	1996
10980	168	142.8	21954	0	0	0	0	0	0	0	0	0	0	0	0	1996
10660	160	169.5	33373	0	0	0	0	0	0	0	0	0	0	0	0	1996
11318	158	120.6	14901	0	0	0	0	0	0	0	0	0	0	0	0	1996
11191	168	125.7	17423	1	0	0	0	0	0	0	0	0	0	0	0	1997
10847	168	147.7	24075	1	0	0	0	0	0	0	0	0	0	0	0	1997
10676	168	167.5	31788	1	0	0	0	0	0	0	0	0	0	0	0	1997
10711	168	140.5	20753	1	0	0	0	0	0	0	0	0	0	0	0	1997
10626	133	177.7	36651	1	0	0	0	0	0	0	0	0	0	0	0	1997
12327	22	122.4	15294	0	1	0	0	0	0	0	0	0	0	0	1	1997
10918	93	144.1	22329	0	1	0	0	0	0	0	0	0	0	0	1	1997
10948	46	135.4	18587	0	0	1	0	0	0	0	0	0	0	0	0	1997
11479	26	123.3	15940	0	0	1	0	0	0	0	0	0	0	0	1	1997
11031	91	126.4	16459	0	0	1	0	0	0	0	0	0	0	0	0	1997
11614	25	124.6	16021	0	0	1	0	0	0	0	0	0	0	0	1	1997

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

NR	NOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
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
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	1	1995
11063	91	241.4	64833	1	0	0	0	0	0	0	0	0	0	0	0	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

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
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
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
10176	90	224.2	57425	0	0	0	0	1	0	0	0	0	0	0	2	1996
10672	165	326.8	121362	0	0	0	0	1	0	0	0	0	0	0	0	1996
10533	149	209.7	47211	0	0	0	0	1	0	0	0	0	0	0	0	1996
10433	166	259.4	76354	0	0	0	0	0	1	0	0	0	0	0	0	1996
10316	168	310.1	110729	0	0	0	0	0	1	0	0	0	0	0	0	1996

Data Base for CRIST 7 Target Heat Rate Equation

NR	HOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10509	124	293.7	100919	0	0	0	0	0	1	0	0	0	0	0	1	1996
10183	168	346.1	135604	0	0	0	0	0	1	0	0	0	0	0	0	1996
10307	168	314.1	114054	0	0	0	0	0	0	1	0	0	0	0	0	1996
10406	98	340.2	130649	0	0	0	0	0	0	1	0	0	0	0	0	1996
10610	126	351.9	141120	0	0	0	0	0	0	1	0	0	0	0	1	1996
10340	168	317.9	115896	0	0	0	0	0	0	1	0	0	0	0	0	1996
10427	163	335.5	130760	0	0	0	0	0	0	0	1	0	0	0	0	1996
10393	165	323.7	122079	0	0	0	0	0	0	0	1	0	0	0	0	1996
10449	163	319.1	119372	0	0	0	0	0	0	0	1	0	0	0	0	1996
10300	168	323.3	120367	0	0	0	0	0	0	0	1	0	0	0	0	1996
10532	168	261.3	79233	0	0	0	0	0	0	0	1	0	0	0	0	1996
10428	168	356.4	146668	0	0	0	0	0	0	0	0	1	0	0	0	1996
10693	123	254.1	78190	0	0	0	0	0	0	0	0	1	0	0	1	1996
10392	163	309.4	113465	0	0	0	0	0	0	0	0	1	0	0	0	1996
10341	168	311.0	114394	0	0	0	0	0	0	0	0	1	0	0	0	1996
10781	24	199.5	40331	0	0	0	0	0	0	0	0	1	0	0	0	1996
10638	167	243.2	66328	0	0	0	0	0	0	0	0	0	1	0	0	1996
10660	168	235.0	60222	0	0	0	0	0	0	0	0	0	1	0	0	1996
10408	168	290.0	97416	0	0	0	0	0	0	0	0	0	1	0	0	1996
10266	169	310.8	107010	0	0	0	0	0	0	0	0	0	1	0	0	1996
10396	168	263.2	77262	0	0	0	0	0	0	0	0	0	0	1	0	1996
10515	168	274.9	85513	0	0	0	0	0	0	0	0	0	0	1	0	1996
10539	163	269.2	80429	0	0	0	0	0	0	0	0	0	0	1	0	1996
10504	95	332.6	121814	0	0	0	0	0	0	0	0	0	0	1	0	1996
10448	168	285.2	91265	0	0	0	0	0	0	0	0	0	0	0	1	1996
10660	106	231.0	60278	0	0	0	0	0	0	0	0	0	0	0	0	1996
10088	38	280.7	93284	1	0	0	0	0	0	0	0	0	0	0	1	1997
10332	166	309.0	108716	1	0	0	0	0	0	0	0	0	0	0	0	1997
10378	159	387.8	163663	1	0	0	0	0	0	0	0	0	0	0	0	1997
10455	97	267.8	79559	1	0	0	0	0	0	0	0	0	0	0	1	1997
10497	135	311.1	114813	1	0	0	0	0	0	0	0	0	0	0	1	1997
10267	165	301.8	102582	0	1	0	0	0	0	0	0	0	0	0	0	1997
10430	133	341.3	133210	0	1	0	0	0	0	0	0	0	0	0	1	1997
10556	168	284.9	92189	0	1	0	0	0	0	0	0	0	0	0	0	1997
10443	102	277.4	88087	0	1	0	0	0	0	0	0	0	0	0	0	1997
10627	104	259.7	74032	0	0	1	0	0	0	0	0	0	0	0	2	1997
10636	140	221.6	54325	0	0	1	0	0	0	0	0	0	0	0	0	1997
10624	131	247.2	66973	0	0	1	0	0	0	0	0	0	0	0	2	1997
10558	168	278.4	83495	0	0	1	0	0	0	0	0	0	0	0	0	1997

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	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
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
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

Data Base for SMITH 1 Target Heat Rate Equation

NR	HOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
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
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	1	1995
12129	21	66.5	4725	0	0	0	0	0	0	0	0	0	0	0	0	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

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
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
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
10473	108	143.5	21488	0	0	0	1	0	0	0	0	0	0	0	0	1996
10363	41	138.8	20634	0	0	0	1	0	0	0	0	0	0	0	1	1996
10348	168	145.8	22030	0	0	0	1	0	0	0	0	0	0	0	0	1996
10077	168	154.6	24137	0	0	0	0	1	0	0	0	0	0	0	0	1996
10182	168	150.8	23193	0	0	0	0	1	0	0	0	0	0	0	0	1996
10233	168	143.5	21399	0	0	0	0	1	0	0	0	0	0	0	0	1996
10255	168	152.1	23338	0	0	0	0	1	0	0	0	0	0	0	0	1996
10349	168	142.8	21393	0	0	0	0	1	0	0	0	0	0	0	0	1996
10212	168	151.0	23239	0	0	0	0	0	1	0	0	0	0	0	0	1996
10215	160	149.4	22942	0	0	0	0	0	1	0	0	0	0	0	0	1996
10236	168	153.1	23634	0	0	0	0	0	1	0	0	0	0	0	0	1996
10249	168	152.7	23633	0	0	0	0	0	1	0	0	0	0	0	0	1996
10238	168	151.6	23243	0	0	0	0	0	0	1	0	0	0	0	0	1996
10224	168	157.4	24844	0	0	0	0	0	0	1	0	0	0	0	0	1996
10184	168	158.3	25073	0	0	0	0	0	0	1	0	0	0	0	0	1996
10135	168	156.6	24665	0	0	0	0	0	0	1	0	0	0	0	0	1996
10222	168	155.3	24349	0	0	0	0	0	0	0	1	0	0	0	0	1996
10192	168	155.7	24389	0	0	0	0	0	0	0	1	0	0	0	0	1996
10345	168	149.9	22838	0	0	0	0	0	0	0	1	0	0	0	0	1996
10259	168	148.6	22458	0	0	0	0	0	0	0	1	0	0	0	0	1996
10361	168	145.0	21700	0	0	0	0	0	0	0	1	0	0	0	0	1996
10504	168	141.6	20879	0	0	0	0	0	0	0	0	1	0	0	0	1996
10082	168	144.4	21594	0	0	0	0	0	0	0	0	1	0	0	0	1996
10148	168	144.1	21626	0	0	0	0	0	0	0	0	1	0	0	0	1996
10145	168	144.6	21786	0	0	0	0	0	0	0	0	1	0	0	0	1996
10286	24	144.4	21518	0	0	0	0	0	0	0	0	0	1	0	0	1996
10153	168	141.6	21123	0	0	0	0	0	0	0	0	0	1	0	0	1996
10248	168	137.4	19856	0	0	0	0	0	0	0	0	0	1	0	0	1996
10102	168	145.0	21646	0	0	0	0	0	0	0	0	0	1	0	0	1996
10061	169	147.9	22404	0	0	0	0	0	0	0	0	0	1	0	0	1996
9989	95	146.0	21881	0	0	0	0	0	0	0	0	0	0	1	0	1996
10096	62	151.9	23514	0	0	0	0	0	0	0	0	0	0	1	1	1996
10019	168	153.2	23688	0	0	0	0	0	0	0	0	0	0	1	0	1996
10017	168	144.9	21688	0	0	0	0	0	0	0	0	0	0	1	0	1996
10079	168	130.6	18405	0	0	0	0	0	0	0	0	0	0	1	0	1996
10110	168	134.4	19204	0	0	0	0	0	0	0	0	0	0	0	0	1996
10184	168	131.0	18364	0	0	0	0	0	0	0	0	0	0	0	0	1996
10142	168	135.2	19396	0	0	0	0	0	0	0	0	0	0	0	0	1996
10315	167	92.4	9657	0	0	0	0	0	0	0	0	0	0	0	0	1996
10947	25	104.5	12649	1	0	0	0	0	0	0	0	0	0	0	1	1997
10316	168	130.6	18238	1	0	0	0	0	0	0	0	0	0	0	0	1997
10210	168	145.7	22041	1	0	0	0	0	0	0	0	0	0	0	0	1997

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
10293	168	125.5	17385	1	0	0	0	0	0	0	0	0	0	0	0	1997
10313	168	129.4	18164	1	0	0	0	0	0	0	0	0	0	0	0	1997
10263	168	121.0	16213	0	1	0	0	0	0	0	0	0	0	0	0	1997
10380	168	130.3	18310	0	1	0	0	0	0	0	0	0	0	0	0	1997
10295	168	114.4	14483	0	1	0	0	0	0	0	0	0	0	0	0	1997
10339	168	111.8	14237	0	1	0	0	0	0	0	0	0	0	0	0	1997
10655	168	90.6	9470	0	0	1	0	0	0	0	0	0	0	0	0	1997
10450	58	86.6	8717	0	0	1	0	0	0	0	0	0	0	0	0	1997
11144	20	107.3	12534	0	0	1	0	0	0	0	0	0	0	0	1	1997

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	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
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
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

Data Base for SMITH 2 Target Heat Rate Equation

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

Data Base for SMITH 2 Target Heat Rate Equation

HR	HOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10350	168	159.2	27076	0	1	0	0	0	0	0	0	0	0	0	0	1996
10289	168	158.6	26722	0	1	0	0	0	0	0	0	0	0	0	0	1996
10286	168	171.7	30339	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
10562	167	173.4	30874	0	0	0	1	0	0	0	0	0	0	0	0	1996
10306	168	181.8	33373	0	0	0	1	0	0	0	0	0	0	0	0	1996
10288	168	180.7	33053	0	0	0	1	0	0	0	0	0	0	0	0	1996
10407	155	158.7	27174	0	0	0	1	0	0	0	0	0	0	0	0	1996
10144	154	171.7	30455	0	0	0	0	1	0	0	0	0	0	0	1	1996
10244	168	171.5	30410	0	0	0	0	1	0	0	0	0	0	0	0	1996
10275	168	163.2	28344	0	0	0	0	1	0	0	0	0	0	0	0	1996
10265	168	174.1	30924	0	0	0	0	1	0	0	0	0	0	0	0	1996
10321	168	159.6	27350	0	0	0	0	1	0	0	0	0	0	0	0	1996
10258	168	169.2	29701	0	0	0	0	0	1	0	0	0	0	0	0	1996
10333	129	164.4	28561	0	0	0	0	0	1	0	0	0	0	0	1	1996
10274	168	174.4	31058	0	0	0	0	0	1	0	0	0	0	0	0	1996
10258	168	175.7	31593	0	0	0	0	0	1	0	0	0	0	0	0	1996
10308	168	172.4	30540	0	0	0	0	0	0	1	0	0	0	0	0	1996
10407	168	180.9	33028	0	0	0	0	0	0	1	0	0	0	0	0	1996
10474	148	179.9	32962	0	0	0	0	0	0	1	0	0	0	0	0	1996
10418	155	175.9	31924	0	0	0	0	0	0	1	0	0	0	0	0	1996
10478	168	177.3	32099	0	0	0	0	0	0	0	1	0	0	0	0	1996
10413	168	177.6	32033	0	0	0	0	0	0	0	1	0	0	0	0	1996
10523	168	171.0	30187	0	0	0	0	0	0	0	1	0	0	0	0	1996
10543	168	169.9	29848	0	0	0	0	0	0	0	1	0	0	0	0	1996
10568	168	163.8	28367	0	0	0	0	0	0	0	1	0	0	0	0	1996
10638	154	156.0	26482	0	0	0	0	0	0	0	0	1	0	0	0	1996
10357	158	157.2	26715	0	0	0	0	0	0	0	0	1	0	0	1	1996
10278	168	163.0	28333	0	0	0	0	0	0	0	0	1	0	0	0	1996
10352	168	161.5	27867	0	0	0	0	0	0	0	0	1	0	0	0	1996
10428	24	163.0	28271	0	0	0	0	0	0	0	0	1	0	0	0	1996
10305	168	156.9	26609	0	0	0	0	0	0	0	0	0	1	0	0	1996
10221	168	151.6	24906	0	0	0	0	0	0	0	0	0	1	0	0	1996
10132	164	156.8	26268	0	0	0	0	0	0	0	0	0	1	0	0	1996
10239	143	164.5	28949	0	0	0	0	0	0	0	0	0	1	0	1	1996
10140	168	171.2	30246	0	0	0	0	0	0	0	0	0	0	1	0	1996
10080	168	177.0	31769	0	0	0	0	0	0	0	0	0	0	1	0	1996
10290	73	178.5	32575	0	0	0	0	0	0	0	0	0	0	1	0	1996
10410	61	147.7	23811	0	0	0	0	0	0	0	0	0	0	1	1	1996
10068	168	141.4	22187	0	0	0	0	0	0	0	0	0	0	1	0	1996
9917	168	148.9	24054	0	0	0	0	0	0	0	0	0	0	0	0	1996
10103	168	147.4	23656	0	0	0	0	0	0	0	0	0	0	0	0	1996
10224	140	142.1	22919	0	0	0	0	0	0	0	0	0	0	0	1	1996
10418	124	89.1	9030	0	0	0	0	0	0	0	0	0	0	0	1	1996

Data Base for SMITH 2 Target Heat Rate Equation

HR	HOUR	AHM	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10233	168	115.3	15541	1	0	0	0	0	0	0	0	0	0	0	0	1997
10224	168	136.7	20724	1	0	0	0	0	0	0	0	0	0	0	0	1997
10038	168	162.6	27939	1	0	0	0	0	0	0	0	0	0	0	0	1997
10280	168	132.0	19932	1	0	0	0	0	0	0	0	0	0	0	0	1997
10372	168	131.0	19863	1	0	0	0	0	0	0	0	0	0	0	0	1997
10178	168	129.0	18776	0	1	0	0	0	0	0	0	0	0	0	0	1997
10281	168	134.4	20432	0	1	0	0	0	0	0	0	0	0	0	0	1997
10519	60	114.1	15578	0	1	0	0	0	0	0	0	0	0	0	1	1997
10219	168	113.3	15116	0	1	0	0	0	0	0	0	0	0	0	0	1997
10315	168	91.0	9700	0	0	1	0	0	0	0	0	0	0	0	0	1997
10398	168	85.7	8514	0	0	1	0	0	0	0	0	0	0	0	0	1997
10271	168	99.0	11206	0	0	1	0	0	0	0	0	0	0	0	0	1997
10126	24	126.6	18440	0	0	1	0	0	0	0	0	0	0	0	0	1997

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

Data Base for DANIEL 1 Target Heat Rate Equation

HR	HOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MS	YEAR
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
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
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
10228	92	414.7	174316	0	0	0	1	0	0	0	0	0	0	0	0	1996
10547	100	405.2	171374	0	0	0	1	0	0	0	0	0	0	0	1	1996
10477	168	395.8	161269	0	0	0	1	0	0	0	0	0	0	0	0	1996
10634	168	294.1	95104	0	0	0	1	0	0	0	0	0	0	0	0	1996

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
	10325	168	360.2	132130	0	0	0	0	1	0	0	0	0	0	0	0	1996
	10388	168	401.3	167524	0	0	0	0	1	0	0	0	0	0	0	0	1996
	10559	168	362.2	147236	0	0	0	0	1	0	0	0	0	0	0	0	1996
	10552	168	391.4	164906	0	0	0	0	1	0	0	0	0	0	0	0	1996
	10618	168	349.1	137431	0	0	0	0	1	0	0	0	0	0	0	0	1996
	10292	168	314.9	120960	0	0	0	0	0	1	0	0	0	0	0	0	1996
	10639	168	387.4	159682	0	0	0	0	0	1	0	0	0	0	0	0	1996
	10645	168	383.7	156545	0	0	0	0	0	1	0	0	0	0	0	0	1996
	10204	132	386.0	159559	0	0	0	0	0	1	0	0	0	0	0	0	1996
	10394	153	333.2	135606	0	0	0	0	0	0	1	0	0	0	0	1	1996
	10247	168	365.6	156769	0	0	0	0	0	0	1	0	0	0	0	0	1996
	10242	138	397.7	177299	0	0	0	0	0	0	1	0	0	0	0	1	1996
	9961	168	371.8	161217	0	0	0	0	0	0	1	0	0	0	0	0	1996
	10138	168	368.4	159178	0	0	0	0	0	0	0	1	0	0	0	0	1996
	10217	168	364.0	157202	0	0	0	0	0	0	0	1	0	0	0	0	1996
	10410	168	360.3	156432	0	0	0	0	0	0	0	1	0	0	0	0	1996
	10309	168	337.6	140366	0	0	0	0	0	0	0	1	0	0	0	0	1996
	10813	168	284.6	105093	0	0	0	0	0	0	0	1	0	0	0	0	1996
	10520	168	331.3	132807	0	0	0	0	0	0	0	0	1	0	0	0	1996
	10819	168	361.1	133300	0	0	0	0	0	0	0	0	1	0	0	0	1996
	10768	168	347.5	121243	0	0	0	0	0	0	0	0	1	0	0	0	1996
	10480	119	356.3	128460	0	0	0	0	0	0	0	0	1	0	0	0	1996
*	13434	19	186.9	38605	0	0	0	0	0	0	0	0	0	1	0	1	1996
	10994	168	313.4	102118	0	0	0	0	0	0	0	0	0	1	0	0	1996
	10607	98	423.4	184613	0	0	0	0	0	0	0	0	0	1	0	1	1996
	10564	169	441.8	196945	0	0	0	0	0	0	0	0	0	1	0	0	1996
	10623	168	419.7	179445	0	0	0	0	0	0	0	0	0	0	1	0	1996
	10656	168	400.6	162702	0	0	0	0	0	0	0	0	0	0	1	0	1996
	10395	168	427.5	183049	0	0	0	0	0	0	0	0	0	0	1	0	1996
	10255	76	367.3	136582	0	0	0	0	0	0	0	0	0	0	1	0	1996
	10661	144	396.5	163244	0	0	0	0	0	0	0	0	0	0	1	1	1996
	10595	168	451.8	205622	0	0	0	0	0	0	0	0	0	0	0	0	1996
	10556	168	427.0	187822	0	0	0	0	0	0	0	0	0	0	0	0	1996
	10447	168	441.7	198347	0	0	0	0	0	0	0	0	0	0	0	0	1996
	10457	168	393.6	163949	0	0	0	0	0	0	0	0	0	0	0	0	1996
	10779	168	401.5	165701	1	0	0	0	0	0	0	0	0	0	0	0	1997
	10835	95	349.3	124956	1	0	0	0	0	0	0	0	0	0	0	0	1997
	10905	152	320.1	107643	0	1	0	0	0	0	0	0	0	0	0	1	1997
	10571	167	383.5	150753	0	1	0	0	0	0	0	0	0	0	0	0	1997
	10777	97	377.7	155150	0	1	0	0	0	0	0	0	0	0	0	1	1997
	10514	138	381.1	158484	0	1	0	0	0	0	0	0	0	0	0	1	1997
	10561	130	361.5	145363	0	0	1	0	0	0	0	0	0	0	0	1	1997
	10528	168	389.9	163244	0	0	1	0	0	0	0	0	0	0	0	0	1997
	10401	168	408.4	174168	0	0	1	0	0	0	0	0	0	0	0	0	1997
	10362	168	425.7	185977	0	0	1	0	0	0	0	0	0	0	0	0	1997

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	HOUR	ANN	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
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
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

Data Base for DANIEL 2 Target Heat Rate Equation

	HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MS	YEAR
	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
	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
	10228	92	414.7	174316	0	0	0	1	0	0	0	0	0	0	0	0	1996
	10547	100	485.2	171374	0	0	0	1	0	0	0	0	0	0	0	1	1996
	10477	168	395.8	161269	0	0	0	1	0	0	0	0	0	0	0	0	1996
	10634	168	294.1	95104	0	0	0	1	0	0	0	0	0	0	0	0	1996
	10325	168	360.2	132130	0	0	0	0	1	0	0	0	0	0	0	0	1996
	10388	168	401.3	167524	0	0	0	0	1	0	0	0	0	0	0	0	1996

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
	10559	168	362.2	147236	0	0	0	0	1	0	0	0	0	0	0	0	1996
	10552	168	391.4	164906	0	0	0	0	1	0	0	0	0	0	0	0	1996
	10618	168	349.1	137431	0	0	0	0	1	0	0	0	0	0	0	0	1996
	10292	168	314.9	120960	0	0	0	0	0	1	0	0	0	0	0	0	1996
	10639	168	387.4	159682	0	0	0	0	0	1	0	0	0	0	0	0	1996
	10645	168	383.7	156545	0	0	0	0	0	1	0	0	0	0	0	0	1996
	10204	132	386.0	159559	0	0	0	0	0	1	0	0	0	0	0	0	1996
	10394	153	333.2	135606	0	0	0	0	0	0	1	0	0	0	0	1	1996
	10247	168	365.6	156769	0	0	0	0	0	0	1	0	0	0	0	0	1996
	10242	138	397.7	177299	0	0	0	0	0	0	1	0	0	0	0	1	1996
	9961	168	371.8	161217	0	0	0	0	0	0	1	0	0	0	0	0	1996
	10138	168	368.4	159178	0	0	0	0	0	0	0	1	0	0	0	0	1996
	10217	168	364.0	157202	0	0	0	0	0	0	0	1	0	0	0	0	1996
	10410	168	360.3	156432	0	0	0	0	0	0	0	1	0	0	0	0	1996
	10309	168	337.6	140366	0	0	0	0	0	0	0	1	0	0	0	0	1996
	10813	168	284.6	105093	0	0	0	0	0	0	0	1	0	0	0	0	1996
	10520	168	331.3	132807	0	0	0	0	0	0	0	0	1	0	0	0	1996
	10819	168	361.1	133300	0	0	0	0	0	0	0	0	1	0	0	0	1996
	10768	168	347.5	121243	0	0	0	0	0	0	0	0	1	0	0	0	1996
	10480	119	356.3	128460	0	0	0	0	0	0	0	0	1	0	0	0	1996
	10131	168	422.2	183607	0	0	0	0	0	0	0	0	0	1	0	0	1996
	10387	168	398.5	169036	0	0	0	0	0	0	0	0	0	1	0	0	1996
	10451	168	421.1	184735	0	0	0	0	0	0	0	0	0	1	0	0	1996
	10395	169	424.7	187212	0	0	0	0	0	0	0	0	0	1	0	0	1996
	10499	168	406.6	173305	0	0	0	0	0	0	0	0	0	0	1	0	1996
	10636	168	384.5	152482	0	0	0	0	0	0	0	0	0	0	1	0	1996
	10243	74	413.9	179535	0	0	0	0	0	0	0	0	0	0	1	0	1996
	10253	106	385.8	160769	0	0	0	0	0	0	0	0	0	0	1	1	1996
	10340	168	401.2	168261	0	0	0	0	0	0	0	0	0	0	1	0	1996
	10345	168	460.7	215927	0	0	0	0	0	0	0	0	0	0	0	0	1996
	10367	168	415.4	180617	0	0	0	0	0	0	0	0	0	0	0	0	1996
	10178	168	442.7	201239	0	0	0	0	0	0	0	0	0	0	0	0	1996
	10338	168	375.5	152947	0	0	0	0	0	0	0	0	0	0	0	0	1996
	10324	168	411.2	175882	1	0	0	0	0	0	0	0	0	0	0	0	1997
	10222	168	457.6	209533	1	0	0	0	0	0	0	0	0	0	0	0	1997
	9840	120	435.2	194714	1	0	0	0	0	0	0	0	0	0	0	0	1997
*	13137	59	189.0	49912	0	1	0	0	0	0	0	0	0	0	0	2	1997
	10459	166	387.2	160496	0	1	0	0	0	0	0	0	0	0	0	0	1997
	10134	168	405.1	173947	0	1	0	0	0	0	0	0	0	0	0	0	1997
	10109	168	398.7	170639	0	0	1	0	0	0	0	0	0	0	0	0	1997
	10212	168	411.3	179282	0	0	1	0	0	0	0	0	0	0	0	0	1997
	10125	168	432.4	192365	0	0	1	0	0	0	0	0	0	0	0	0	1997
	10257	168	451.0	205440	0	0	1	0	0	0	0	0	0	0	0	0	1997

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.
ANW	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 October 1997 - March 1998

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 '97	145.1	23,768	10,805	57,310	
	Nov '97	126.7	17,050	11,300	41,190	
	Dec '97	139.9	21,830	11,111	94,300	
	Jan '98	133.1	19,343	10,936	89,730	
	Feb '98	137.7	21,020	11,138	89,530	
	Mar '98	147.3	24,597	10,714	106,050	10,975
CRIST 7	Oct '97	332.8	125,377	10,472	221,320	
	Nov '97	285.5	93,662	10,598	183,320	
	Dec '97	326.4	120,951	10,487	153,720	
	Jan '98	270.8	84,275	10,646	179,790	
	Feb '98	322.2	118,069	10,497	179,470	
	Mar '98	343.5	132,871	10,448	220,510	10,521
SMITH 1	Oct '97	148.2	22,560	10,209	83,410	
	Nov '97	150.1	23,022	10,203	98,610	
	Dec '97	141.5	20,948	10,230	103,010	
	Jan '98	148.0	22,512	10,335	107,760	
	Feb '98	151.6	23,388	10,284	96,120	
	Mar '98	149.9	22,973	10,308	109,100	10,264

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 1997 - March 1998

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 '97	163.9	28,358	10,336	119,020	
	Nov '97	166.6	29,106	10,246	112,940	
	Dec '97	155.4	26,027	10,334	112,630	
	Jan '98	165.2	28,718	10,336	119,780	
	Feb '98	172.4	30,723	10,337	108,770	
	Mar '98	0.0	0	-	0	10,318
DANIEL 1	Oct '97	376.9	152,621	10,426	171,090	
	Nov '97	377.6	153,076	10,425	222,020	
	Dec '97	355.3	138,800	10,466	225,250	
	Jan '98	373.5	150,419	10,432	219,640	
	Feb '98	392.4	162,788	10,398	230,710	
	Mar '98	390.9	161,795	10,400	44,170	10,428
DANIEL 2	Oct '97	382.0	156,941	10,240	195,970	
	Nov '97	387.4	160,430	10,227	252,570	
	Dec '97	362.2	144,289	10,293	244,500	
	Jan '98	378.3	154,560	10,250	273,110	
	Feb '98	400.5	168,962	10,194	251,930	
	Mar '98	393.4	164,326	10,211	265,530	10,235

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 1997 - March 1998

Unit	Target Heat Rate BTU/KWH (0 Points)	Minimum Attainable Heat Rate (+ 10 Points)	Maximum Attainable Heat Rate (- 10 Points)
CRIST 6	10,975	10,646	11,304
CRIST 7	10,521	10,205	10,837
SMITH 1	10,264	9,956	10,572
SMITH 2	10,318	10,008	10,628
DANIEL 1	10,428	10,115	10,741
DANIEL 2	10,235	9,928	10,542

II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
Target Equivalent Availabilities
for October 1997 - March 1998

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR	Planned Outage Hours for Oct '97 - Mar '98	Reserve Shutdown Hours for Oct '97 - Mar '98	Target Equivalent Availability *
Crist 6	0.0589	721	0	78.6
Crist 7	0.1246	216	0	83.2
Smith 1	0.0288	217	0	92.3
Smith 2	0.0337	768	0	79.6
Daniel 1	0.1667	816	0	67.8
Daniel 2	0.0702	216	0	88.4

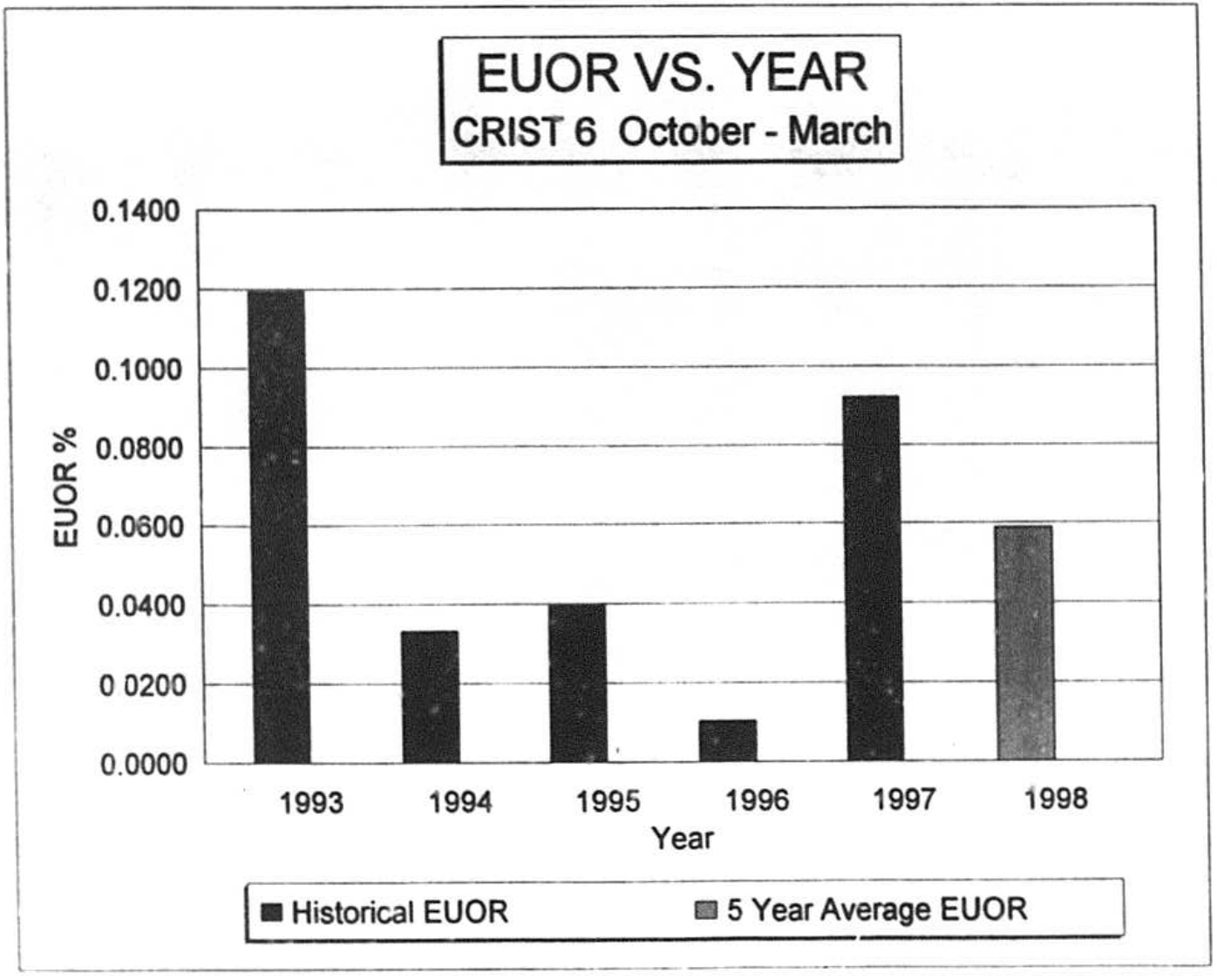
* EA = [1 - (POH + EUOR * (PH - POH - RSH)) / PH] * 100

Calculation of Maximum and Minimum
Attainable Equivalent Availabilities
for October 1997 - March 1998

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	0.0589	0.0412	80.1	0.0854	76.4
Crist 7	0.1246	0.0872	86.8	0.1807	77.9
Smith 1	0.0288	0.0202	93.1	0.0418	91.1
Smith 2	0.0337	0.0236	80.5	0.0489	78.4
Daniel 1	0.1667	0.1167	71.8	0.2417	61.7
Daniel 2	0.0702	0.0491	90.4	0.1018	85.4

Summary of Target, Maximum, and Minimum
Equivalent Availabilities
for October 1997 - March 1998

Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Crist 6	78.6	80.1	76.4
Crist 7	83.2	86.8	77.9
Smith 1	92.3	93.1	91.1
Smith 2	79.6	80.5	78.4
Daniel 1	67.8	71.8	61.7
Daniel 2	88.4	90.4	85.4



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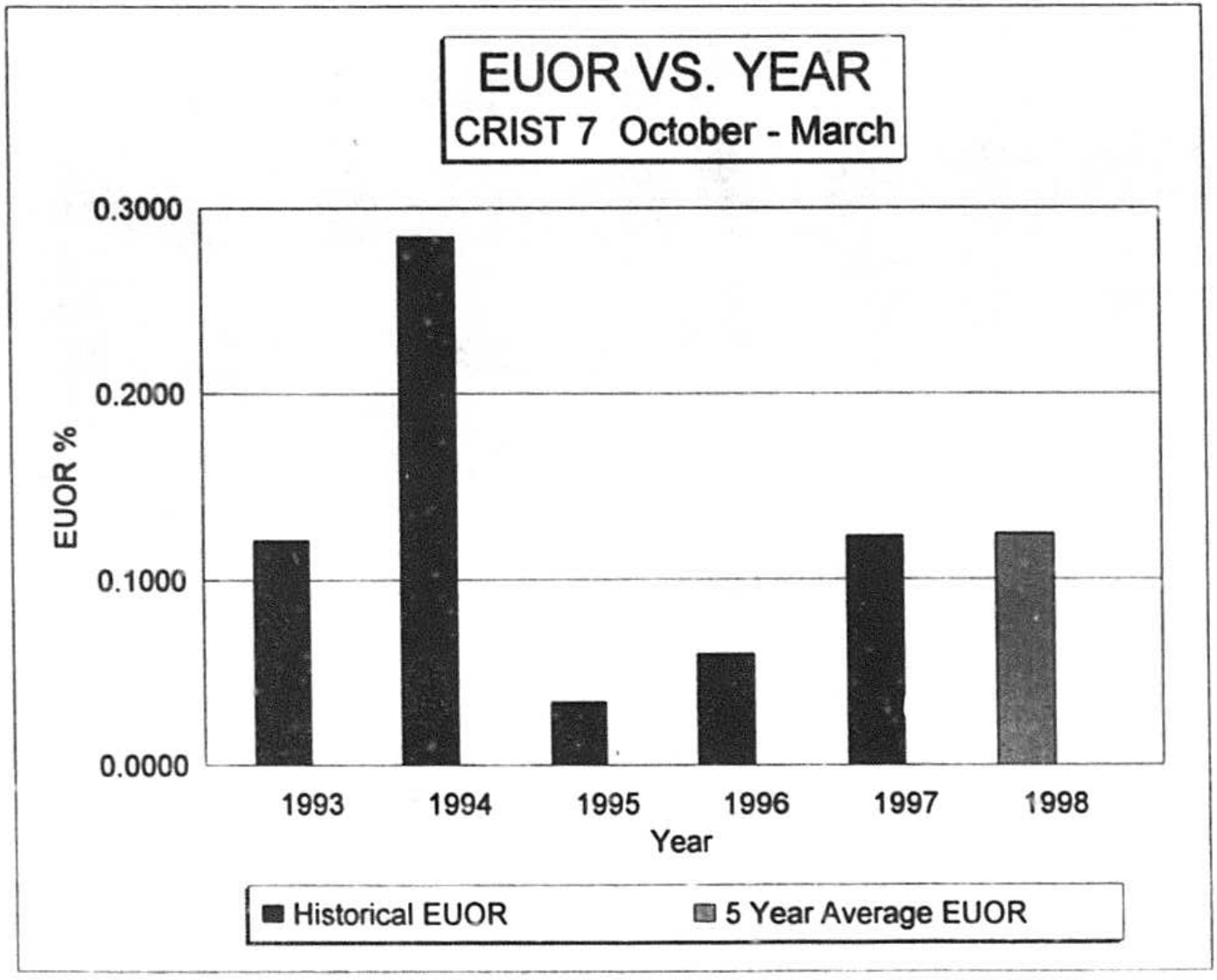

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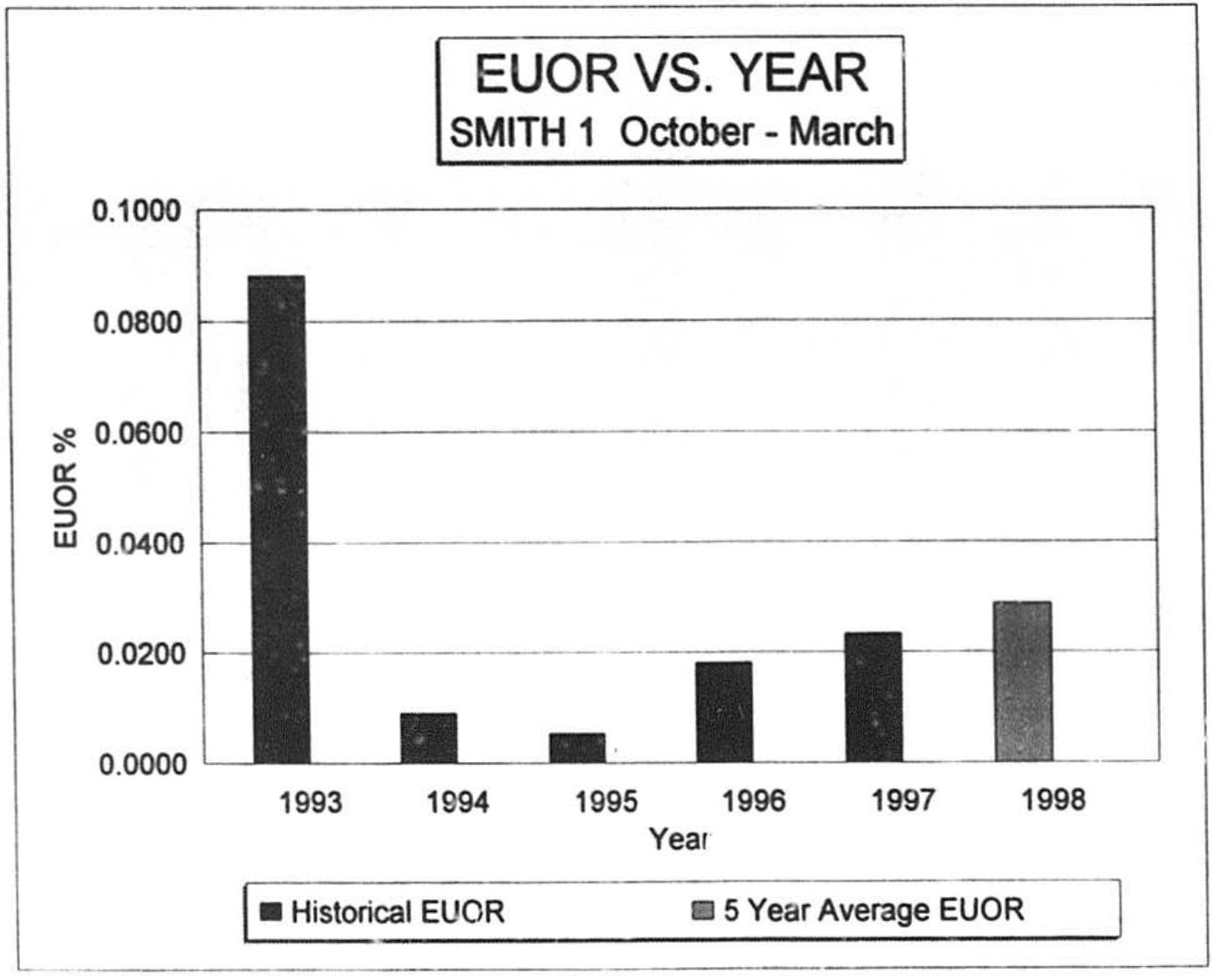

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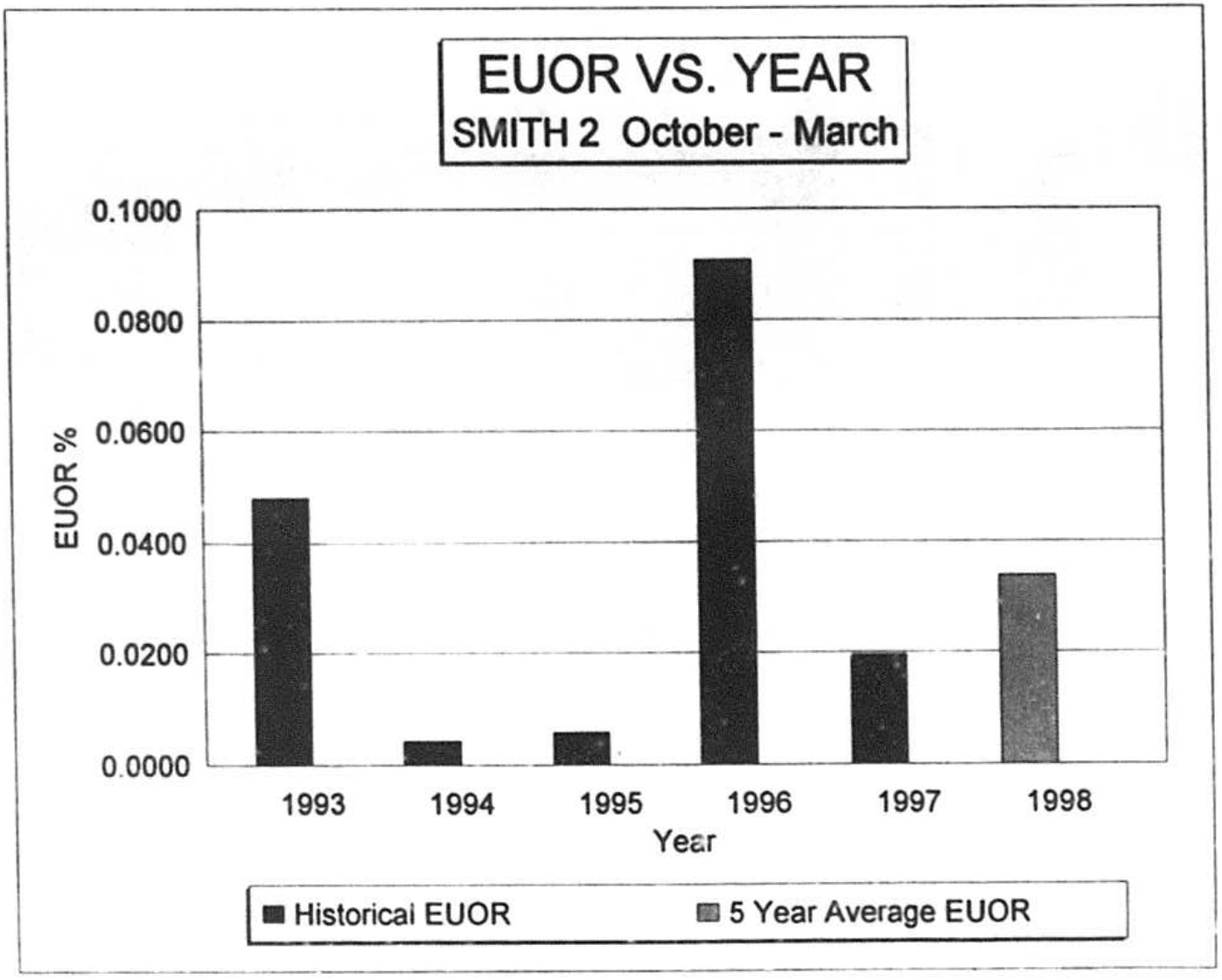

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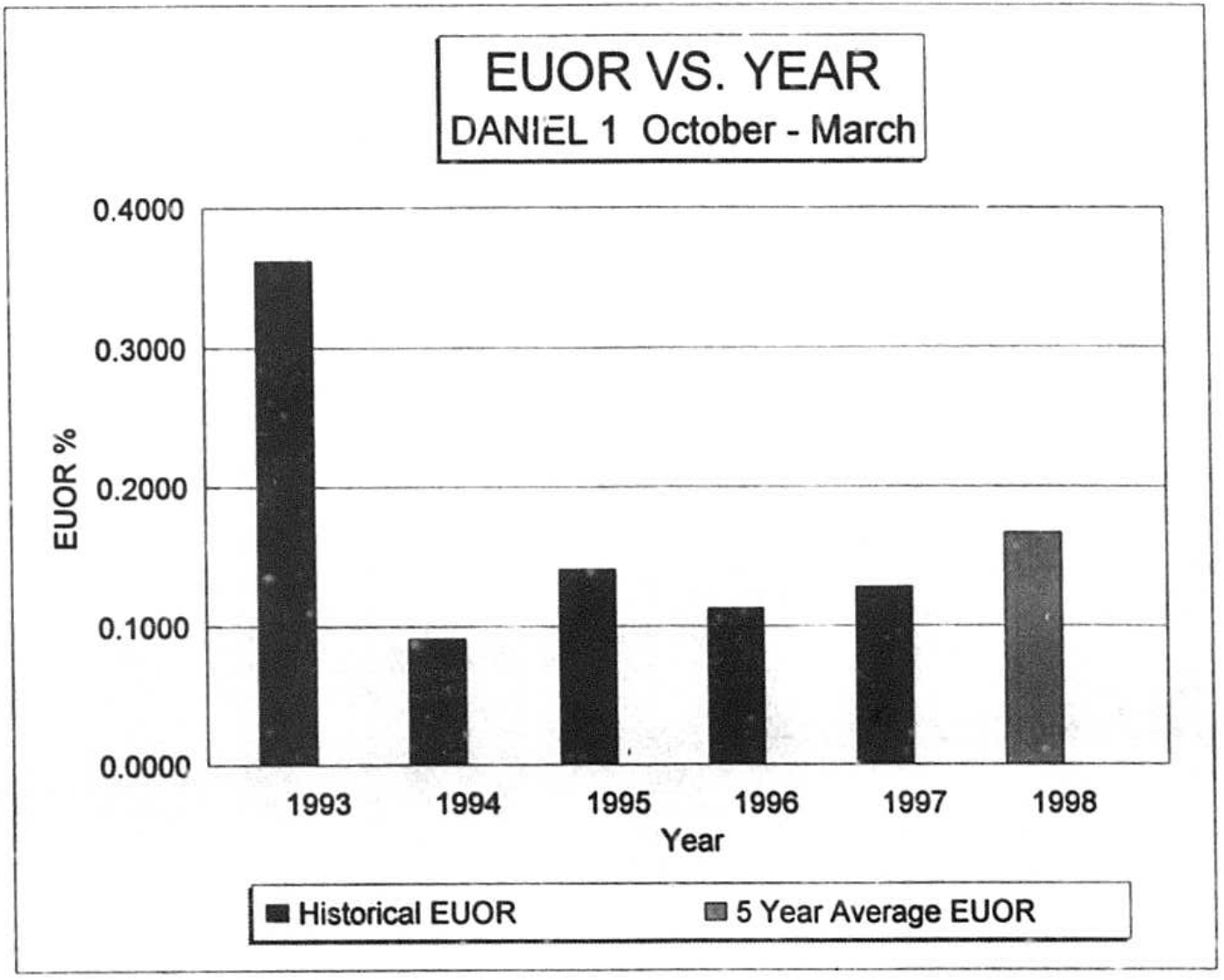

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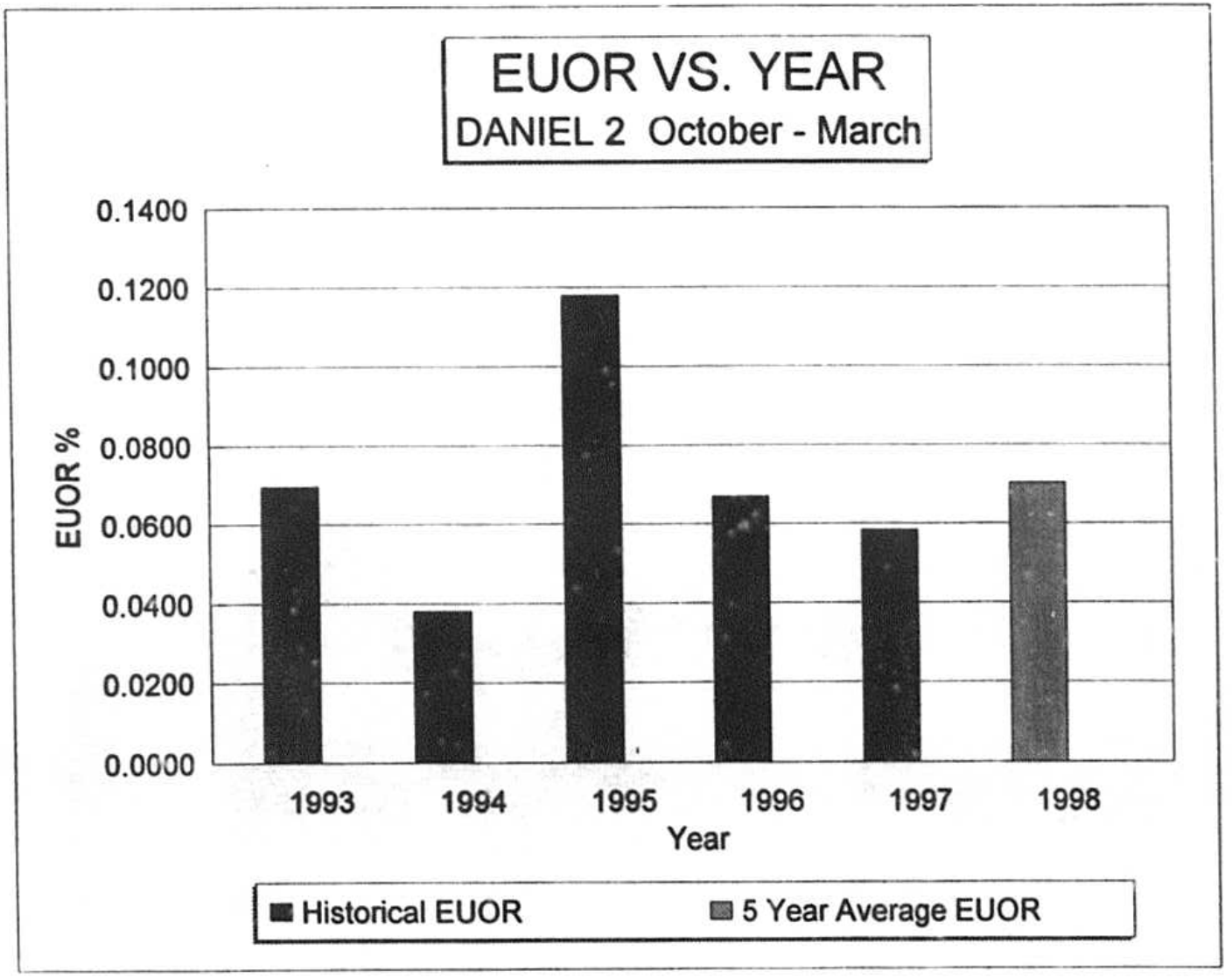

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III. GPIF MINIMUM FILING REQUIREMENTS FOR THE PERIOD OCTOBER 1997 - MARCH 1998

CONTENTS

Generating Performance Incentive Factor

Estimated Reward/Penalty Table

Gulf Power Company

Period of: October 1997 - March 1998

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	2792	869
+ 9	2513	782
+ 8	2234	695
+ 7	1954	608
+ 6	1675	521
+ 5	1396	434
+ 4	1117	347
+ 3	838	261
+ 2	558	174
+ 1	279	87
0	0	0
- 1	-284	-87
- 2	-567	-174
- 3	-851	-261
- 4	-1134	-347
- 5	-1418	-434
- 6	-1702	-521
- 7	-1985	-608
- 8	-2269	-695
- 9	-2552	-782
- 10	-2836	-869
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

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Generating Performance Incentive Factor

Calculation of Maximum Allowed Incentive Dollars

Estimated

Gulf Power Company

Period of: October 1997 - March 1998

Line 1	Beginning of Period Balance of Common Equity	$448,376,000
	End of Month Balance of Common Equity:	
Line 2	Month of Oct '97	$437,861,000
Line 3	Month of Nov '97	$439,536,000
Line 4	Month of Dec '97	$433,430,000
Line 5	Month of Jan '98	$438,486,000
Line 6	Month of Feb '98	$427,252,000
Line 7	Month of Mar '98	$430,861,000
Line 8	Average Common Equity for the Period (sum of line 1 through line 7 divided by 7)	$436,543,143
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)	$902,659
Line 12	Jurisdictional Sales (KWH)	4,045,597,314
Line 13	Total Territorial Sales (KWH)	4,204,593,850
Line 14	Jurisdictional Separation Factor (line 12 divided by line 13)	96.2185%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (line 11 multiplied by line 14)	$868,525

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GPIF Unit Performance Summary

Gulf Power Company

Period of: October 1997 - March 1998

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range Max %	EAF Range Min %	Max Fuel Savings ($000)	Max Fuel Loss ($000)
Crist 6	0.1%	78.6	80.1	76.4	$2	($3)
Crist 7	0.4%	83.2	86.8	77.9	$11	($17)
Smith 1	0.6%	92.3	93.1	91.1	$16	($14)
Smith 2	0.5%	79.6	80.5	78.4	$14	($12)
Daniel 1	0.9%	67.8	71.8	61.7	$26	($48)
Daniel 2	1.4%	88.4	90.4	85.4	$39	($58)

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	10.8%	10,975	43.9	10,646	11,304	$301	($301)
Crist 7	28.3%	10,521	62.0	10,205	10,837	$791	($791)
Smith 1	8.2%	10,264	92.0	9,956	10,572	$228	($228)
Smith 2	6.8%	10,318	86.1	10,008	10,628	$191	($191)
Daniel 1	18.2%	10,428	80.0	10,115	10,741	$508	($508)
Daniel 2	23.8%	10,235	80.5	9,928	10,542	$665	($665)

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: October 1997 - March 1998

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target			Actual Performance 1st Prior Period Oct '96 - Mar '97			Actual Performance 2nd Prior Period Oct '95 - Mar '96		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 6	0.1%	1.9%	0.1650	0.0492	0.0589	0.0547	0.0674	0.0921	0.0847	0.0071	0.0103
Crist 7	0.4%	10.2%	0.0494	0.1186	0.1246	0.0988	0.1006	0.1234	0.4551	0.0323	0.0598
Smith 1	0.6%	14.8%	0.0497	0.0272	0.0288	0.1297	0.0197	0.0233	0.0397	0.0175	0.0182
Smith 2	0.5%	13.0%	0.1758	0.0279	0.0337	0.0793	0.0175	0.0196	0.0721	0.0832	0.0908
Daniel 1	0.9%	24.1%	0.1868	0.1355	0.1667	0.1696	0.1062	0.1278	0.4087	0.0659	0.1126
Daniel 2	1.4%	36.1%	0.0494	0.0668	0.0702	0.1512	0.0497	0.0585	0.5062	0.0321	0.0669
Weighted GPIF System Average:			0.1010	0.0774	0.0879	0.1360	0.0602	0.0722	0.3443	0.0443	0.0720

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: October 1997 - March 1998

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Oct '94 - Mar '95			Actual Performance 4th Prior Period Oct '93 - Mar '94			Actual Performance 5th Prior Period Oct '92 - Mar '93		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 6	0.1%	1.9%	0.0000	0.0228	0.0394	0.1595	0.0259	0.0333	0.1011	0.1040	0.1194
Crist 7	0.4%	10.2%	0.0415	0.0217	0.0340	0.1083	0.2535	0.2843	0.0632	0.1134	0.1217
Smith 1	0.6%	14.8%	0.0000	0.0053	0.0054	0.3070	0.0052	0.0091	0.0501	0.0830	0.0882
Smith 2	0.5%	13.0%	0.0385	0.0049	0.0059	0.0811	0.0038	0.0044	0.2975	0.0327	0.0480
Daniel 1	0.9%	24.1%	0.0000	0.1117	0.1405	0.2254	0.0329	0.0907	0.2957	0.0640	0.3618
Daniel 2	1.4%	36.1%	0.0000	0.0921	0.1179	0.2641	0.0110	0.0381	0.2337	0.0308	0.0696
Weighted GPIF System Average:			0.0092	0.0642	0.0822	0.2196	0.0395	0.0671	0.2099	0.0565	0.1461

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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 1997 - March 1998

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Heat Rate Target	1st Prior Period Heat Rate Oct '96 - Mar '97	2nd Prior Period Heat Rate Oct '95 - Mar '96	3rd Prior Period Heat Rate Oct '94 - Mar '95
Crist 6	10.8%	11.2%	10,975	11,058	10,983	11,187
Crist 7	28.3%	29.5%	10,521	10,366	10,770	10,568
Smith 1	8.2%	8.5%	10,264	10,144	10,336	10,287
Smith 2	6.8%	7.1%	10,318	10,183	10,355	10,391
Daniel 1	18.2%	18.9%	10,428	10,644	10,492	10,362
Daniel 2	23.8%	24.8%	10,235	10,398	18,379	10,096
Weighted GPIF System Average:			10,447	10,472	12,560	10,445

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Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 6 Oct '95 - Mar '96

	Oct	Nov	Dec	Jan	Feb	Mar	
1. Target Heat Rate*	10805	11300	11111	10936	11138	10714	
2. Target Heat Rate at Actual Conditions**	10768	11064	10782	10807	10570	10619	
3. Adjustments to Actual Heat Rate (1-2)	37	236	329	129	568	95	
4. Actual Heat Rate for Prior Period	10678	11330	10755	10753	10438	10740	
5. Adjusted actual Heat Rate (4+3)	10715	11566	11084	10882	11056	10835	
6. Forecast Net MWH Generation*	57310	41190	94300	89730	89530	106050	
7. Adjusted Actual Heat Rate for Oct '95 - Mar '96 = (Σ ((5)*(6)))/(Σ (6))							10,983

* For the October 1997 - March 1998 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 1997 - March 1998

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	$82,413	$82,411	$2	0.1%
Crist 6	ANOHR-1	$82,413	$82,112	$301	10.8%
Crist 7	EA-2	$82,413	$82,402	$11	0.4%
Crist 7	ANOHR-2	$82,413	$81,622	$791	28.3%
Smith 1	EA-3	$82,413	$82,397	$16	0.6%
Smith 1	ANOHR-3	$82,413	$82,185	$228	8.2%
Smith 2	EA-4	$82,413	$82,399	$14	0.5%
Smith 2	ANOHR-4	$82,413	$82,222	$191	6.8%
Daniel 1	EA-5	$82,413	$82,387	$26	0.9%
Daniel 1	ANOHR-5	$82,413	$81,905	$508	18.2%
Daniel 2	EA-6	$82,413	$82,374	$39	1.4%
Daniel 2	ANOHR-6	$82,413	$81,748	$665	23.8%

(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 1997 - March 1998

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	2	80.10	+ 10	301	10,646
+ 9	2	79.95	+ 9	271	10,671
+ 8	2	79.80	+ 8	241	10,697
+ 7	1	79.65	+ 7	211	10,722
+ 6	1	79.50	+ 6	181	10,748
+ 5	1	79.35	+ 5	151	10,773
+ 4	1	79.20	+ 4	120	10,798
+ 3	1	79.05	+ 3	90	10,824
+ 2	0	78.90	+ 2	60	10,849
+ 1	0	78.75	+ 1	30	10,875
				0	10,900
0	0	78.60	0	0	10,975
				0	11,050
- 1	(0)	78.38	- 1	(30)	11,075
- 2	(1)	78.16	- 2	(60)	11,101
- 3	(1)	77.94	- 3	(90)	11,126
- 4	(1)	77.72	- 4	(120)	11,152
- 5	(2)	77.50	- 5	(151)	11,177
- 6	(2)	77.28	- 6	(181)	11,202
- 7	(2)	77.06	- 7	(211)	11,228
- 8	(2)	76.84	- 8	(241)	11,253
- 9	(3)	76.62	- 9	(271)	11,279
- 10	(3)	76.40	- 10	(301)	11,304
Weighting Factor:		0.001	Weighting Factor:		0.108

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: October 1997 - March 1998

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	11	86.80	+ 10	791	10,205
+ 9	10	86.44	+ 9	712	10,229
+ 8	9	86.08	+ 8	633	10,253
+ 7	8	85.72	+ 7	554	10,277
+ 6	7	85.36	+ 6	475	10,301
+ 5	6	85.00	+ 5	396	10,326
+ 4	4	84.64	+ 4	316	10,350
+ 3	3	84.28	+ 3	237	10,374
+ 2	2	83.92	+ 2	158	10,398
+ 1	1	83.56	+ 1	79	10,422
				0	10,446
0	0	83.20	0	0	10,521
				0	10,596
- 1	(2)	82.67	- 1	(79)	10,620
- 2	(3)	82.14	- 2	(158)	10,644
- 3	(5)	81.61	- 3	(237)	10,668
- 4	(7)	81.08	- 4	(316)	10,692
- 5	(9)	80.55	- 5	(396)	10,717
- 6	(10)	80.02	- 6	(475)	10,741
- 7	(12)	79.49	- 7	(554)	10,765
- 8	(14)	78.96	- 8	(633)	10,789
- 9	(15)	78.43	- 9	(712)	10,813
- 10	(17)	77.90	- 10	(791)	10,837
Weighting Factor:		0.004	Weighting Factor:		0.283

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: October 1997 - March 1998

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	16	93.10	+ 10	228	9,956
+ 9	14	93.02	+ 9	205	9,979
+ 8	13	92.94	+ 8	182	10,003
+ 7	11	92.86	+ 7	160	10,026
+ 6	10	92.78	+ 6	137	10,049
+ 5	8	92.70	+ 5	114	10,073
+ 4	6	92.62	+ 4	91	10,096
+ 3	5	92.54	+ 3	68	10,119
+ 2	3	92.46	+ 2	46	10,142
+ 1	2	92.38	+ 1	23	10,166
				0	10,189
0	0	92.30	0	0	10,264
				0	10,339
- 1	(1)	92.18	- 1	(23)	10,362
- 2	(3)	92.06	- 2	(46)	10,386
- 3	(4)	91.94	- 3	(68)	10,409
- 4	(6)	91.82	- 4	(91)	10,432
- 5	(7)	91.70	- 5	(114)	10,456
- 6	(8)	91.58	- 6	(137)	10,479
- 7	(10)	91.46	- 7	(160)	10,502
- 8	(11)	91.34	- 8	(182)	10,525
- 9	(13)	91.22	- 9	(205)	10,549
- 10	(14)	91.10	- 10	(228)	10,572
Weighting Factor:		0.006	Weighting Factor:		0.082

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: October 1997 - March 1998

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	14	80.50	+ 10	191	10,008
+ 9	13	80.41	+ 9	172	10,032
+ 8	11	80.32	+ 8	153	10,055
+ 7	10	80.23	+ 7	134	10,079
+ 6	8	80.14	+ 6	115	10,102
+ 5	7	80.05	+ 5	96	10,126
+ 4	6	79.96	+ 4	76	10,149
+ 3	4	79.87	+ 3	57	10,173
+ 2	3	79.78	+ 2	38	10,196
+ 1	1	79.69	+ 1	19	10,220
				0	10,243
0	0	79.60	0	0	10,318
				0	10,393
- 1	(1)	79.48	- 1	(19)	10,417
- 2	(2)	79.36	- 2	(38)	10,440
- 3	(4)	79.24	- 3	(57)	10,464
- 4	(5)	79.12	- 4	(76)	10,487
- 5	(6)	79.00	- 5	(96)	10,511
- 6	(7)	78.88	- 6	(115)	10,534
- 7	(8)	78.76	- 7	(134)	10,558
- 8	(10)	78.64	- 8	(153)	10,581
- 9	(11)	78.52	- 9	(172)	10,605
- 10	(12)	78.40	- 10	(191)	10,628
Weighting Factor:		0.005	Weighting Factor:		0.068

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: October 1997 - March 1998

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	26	71.80	+ 10	508	10,115
+ 9	23	71.40	+ 9	457	10,139
+ 8	21	71.00	+ 8	406	10,163
+ 7	18	70.60	+ 7	356	10,186
+ 6	16	70.20	+ 6	305	10,210
+ 5	13	69.80	+ 5	254	10,234
+ 4	10	69.40	+ 4	203	10,258
+ 3	8	69.00	+ 3	152	10,282
+ 2	5	68.60	+ 2	102	10,305
+ 1	3	68.20	+ 1	51	10,329
				0	10,353
0	0	67.80	0	0	10,428
				0	10,503
- 1	(5)	67.19	- 1	(51)	10,527
- 2	(10)	66.58	- 2	(102)	10,551
- 3	(14)	65.97	- 3	(152)	10,574
- 4	(19)	65.36	- 4	(203)	10,598
- 5	(24)	64.75	- 5	(254)	10,622
- 6	(29)	64.14	- 6	(305)	10,646
- 7	(34)	63.53	- 7	(356)	10,670
- 8	(38)	62.92	- 8	(406)	10,693
- 9	(43)	62.31	- 9	(457)	10,717
- 10	(48)	61.70	- 10	(508)	10,741
Weighting Factor:		0.009	Weighting Factor:		0.182

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: October 1997 - March 1998

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	39	90.40	+ 10	665	9,928
+ 9	35	90.20	+ 9	599	9,951
+ 8	31	90.00	+ 8	532	9,974
+ 7	27	89.80	+ 7	466	9,998
+ 6	23	89.60	+ 6	399	10,021
+ 5	20	89.40	+ 5	333	10,044
+ 4	16	89.20	+ 4	266	10,067
+ 3	12	89.00	+ 3	200	10,090
+ 2	8	88.80	+ 2	133	10,114
+ 1	4	88.60	+ 1	67	10,137
				0	10,160
0	0	88.40	0	0	10,235
				0	10,310
- 1	(6)	88.10	- 1	(67)	10,333
- 2	(12)	87.80	- 2	(133)	10,356
- 3	(17)	87.50	- 3	(200)	10,380
- 4	(23)	87.20	- 4	(266)	10,403
- 5	(29)	86.90	- 5	(333)	10,426
- 6	(35)	86.60	- 6	(399)	10,449
- 7	(41)	86.30	- 7	(466)	10,472
- 8	(46)	86.00	- 8	(532)	10,496
- 9	(52)	85.70	- 9	(599)	10,519
- 10	(58)	85.40	- 10	(665)	10,542
Weighting Factor:		0.014	Weighting Factor:		0.238

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ESTIMATED UNIT PERFORMANCE DATA

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: October 1997 - March 1998

	CRIST 6	Oct '97	Nov '97	Dec '97	Jan '98	Feb '98	Mar '98	Total
1.	EAF (%)	53.0	45.1	89.9	90.6	96.7	96.8	78.6
2.	POF (%)	45.2	53.3	0.0	0.0	0.0	0.0	16.5
3.	EUOF (%)	1.8	1.6	10.1	9.4	3.3	3.2	4.9
4.	EUOR (%)	3.2	3.3	10.1	9.4	3.3	3.2	5.9
5.	PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
6.	SH	395.0	325.0	674.0	674.0	650.0	720.0	3438.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	350.0	395.0	70.0	70.0	22.0	24.0	931.0
9.	POH	337.0	384.0	0.0	0.0	0.0	0.0	721.0
10.	FOH & EFOH	13.0	11.0	27.0	22.0	22.0	24.0	119.0
11.	MOH & EMOH	0.0	0.0	48.0	48.0	0.0	0.0	96.0
12.	Oper MBtu	619235.0	465447.0	1047767.0	981287.0	997185.0	1136220.0	5247141.0
13.	Net Gen (MWH)	57310.0	41190.0	94300.0	89730.0	89530.0	106050.0	478110.0
14.	ANOHR (Btu/KWH)	10805.0	11300.0	11111.0	10936.0	11138.0	10714.0	10975.0
15.	NOF %	45.8	40.0	44.1	42.0	43.5	46.5	43.9
16.	NPC (MW)	317.0	317.0	317.0	317.0	317.0	317.0	317.0

19.	ANOHR Equation	10^6 / ANOF * [654.55 - 35.22 * JAN - 44.17 * MAR - 35.44 * OCT] + 4,263 + 0.01390 * LANF / ANOF

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GULF POWER COMPANY

PERIOD OF: October 1997 - March 1998

	CRIST 7	Oct '97	Nov '97	Dec '97	Jan '98	Feb '98	Mar '98	Total
1.	EAF (%)	89.3	89.2	62.5	89.2	82.9	86.3	83.2
2.	POF (%)	0.0	0.0	29.0	0.0	0.0	0.0	4.9
3.	EUOF (%)	10.7	10.8	8.5	10.8	17.1	13.7	11.9
4.	EUOR (%)	10.7	10.8	11.9	10.8	17.1	13.7	12.5
5.	PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
6.	SH	665.0	642.0	471.0	664.0	557.0	642.0	3641.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	80.0	78.0	273.0	80.0	115.0	102.0	728.0
9.	POH	0.0	0.0	216.0	0.0	0.0	0.0	216.0
10.	FOH & EFOH	80.0	78.0	63.0	80.0	67.0	78.0	446.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	48.0	24.0	72.0
12.	Oper MBtu	2317663.0	1942825.0	1612062.0	1914044.0	1883897.0	2303888.0	11974379.0
13.	Net Gen (MWH)	221320.0	183320.0	153720.0	179790.0	179470.0	220510.0	1138130.0
14.	ANOHR (Btu/KWH)	10472.0	10598.0	10487.0	10646.0	10497.0	10448.0	10521.0
15.	NOF %	66.0	56.7	64.8	53.7	63.9	68.1	62.0
16.	NPC (MW)	504.0	504.0	504.0	504.0	504.0	504.0	504.0

19.	ANOHR Equation	$10^6 / ANOF * [252.95 * 56.09 * JUL * 46.37 * AUG]$ + 9,712

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: October 1997 - March 1998

	SMITH 1	Oct '97	Nov '97	Dec '97	Jan '98	Feb '98	Mar '98	Total
1.	EAF (%)	75.6	90.6	97.8	97.8	94.3	97.8	92.3
2.	POF (%)	22.7	6.7	0.0	0.0	0.0	0.0	5.0
3.	EUOF (%)	1.7	2.7	2.2	2.2	5.7	2.2	2.7
4.	EUOR (%)	2.3	3.0	2.2	2.2	5.7	2.2	2.9
5.	PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
6.	SH	563.0	657.0	728.0	728.0	634.0	728.0	4038.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	182.0	63.0	16.0	16.0	38.0	16.0	331.0
9.	POH	169.0	48.0	0.0	0.0	0.0	0.0	217.0
10.	FOH & EFOH	13.0	20.0	16.0	16.0	14.0	16.0	95.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	24.0	0.0	24.0
12.	Oper MBtu	851533.0	1006118.0	1053792.0	1113700.0	988498.0	1124603.0	6138244.0
13.	Net Gen (MWH)	83410.0	98610.0	103010.0	107760.0	96120.0	109100.0	598010.0
14.	ANOHR (Btu/KWH)	10209.0	10203.0	10230.0	10335.0	10284.0	10308.0	10264.0
15.	NOF %	92.0	93.2	87.9	91.9	94.2	93.1	92.0
16.	NPC (MW)	161.0	161.0	161.0	161.0	161.0	161.0	161.0
19.	ANOHR Equation	10^6 / AEG * [66.85 * 18.60 * JAN * 12.96 * FEB * 15.65 * MAR * 22.26 * APR] + 9,756						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: October 1997 - March 1998

	SMITH 2	Oct '97	Nov '97	Dec '97	Jan '98	Feb '98	Mar '98	Total
1.	EAF (%)	97.4	93.3	97.4	97.4	93.9	0.0	79.6
2.	POF (%)	0.0	0.0	0.0	0.0	3.6	100.0	17.6
3.	EUOF (%)	2.6	6.7	2.6	2.6	2.5	0.0	2.8
4.	EUOR (%)	2.6	6.7	2.6	2.6	2.6	0.0	3.4
5.	PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
6.	SH	726.0	678.0	725.0	725.0	631.0	0.0	3485.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	19.0	42.0	19.0	19.0	41.0	744.0	884.0
9.	POH	0.0	0.0	0.0	0.0	24.0	744.0	768.0
10.	FOH & EFOH	19.0	24.0	19.0	19.0	17.0	0.0	98.0
11.	MOH & EMOH	0.0	24.0	0.0	0.0	0.0	0.0	24.0
12.	Oper MBtu	1230191.0	1157183.0	1163918.0	1238046.0	1124355.0	0.0	5913693.0
13.	Net Gen (MWH)	119020.0	112940.0	112630.0	119780.0	108770.0	0.0	573140.0
14.	ANOHR (Btu/KWH)	10336.0	10246.0	10334.0	10336.0	10337.0	-	10318.0
15.	NOF %	85.8	87.2	81.3	86.5	90.2	0.0	86.1
16.	NPC (MW)	191.0	191.0	191.0	191.0	191.0	191.0	191.0

19.	ANOHR Equation	10^6 / ANOH = [-4.92 * 14.46 * MAR * 12.91 * APR * 17.84 * JUL * 24.13 * AUG - 15.09 * NOV] + 10,366

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: October 1997 - March 1998

	DANIEL 1	Oct '97	Nov '97	Dec '97	Jan '98	Feb '98	Mar '98	Total
1.	EAF (%)	60.4	81.7	85.2	79.0	87.5	15.2	67.8
2.	POF (%)	29.0	0.0	0.0	0.0	0.0	80.6	18.7
3.	EUOF (%)	10.6	18.3	14.8	21.0	12.5	4.2	13.5
4.	EUOR (%)	14.9	18.3	14.8	21.0	12.5	21.5	16.7
5.	PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
6.	SH	454.0	588.0	634.0	588.0	588.0	113.0	2965.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	291.0	132.0	110.0	156.0	84.0	631.0	1404.0
9.	POH	216.0	0.0	0.0	0.0	0.0	600.0	816.0
10.	FOH & EFOH	31.0	36.0	38.0	36.0	36.0	7.0	184.0
11.	MOH & EMOH	48.0	96.0	72.0	120.0	48.0	24.0	408.0
12.	Oper MBtu	1783784.0	2314559.0	2357467.0	2291284.0	2398923.0	459368.0	11605385.0
13.	Net Gen (MWH)	171090.0	222020.0	225250.0	219640.0	230710.0	44170.0	1112880.0
14.	ANOHR (Btu/KWH)	10426.0	10425.0	10466.0	10432.0	10398.0	10400.0	10428.0
15.	NOF %	80.4	80.5	75.8	79.6	83.7	83.3	80.0
16.	NPC (MW)	469.0	469.0	469.0	469.0	469.0	469.0	469.0

19.	ANOHR Equation	10^6 / ANOF * [-115.93] + 12,390 - 0.00411 * LMBF / ANOF

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GULF POWER COMPANY

PERIOD OF: October 1997 - March 1998

	DANIEL 2	Oct '97	Nov '97	Dec '97	Jan '98	Feb '98	Mar '98	Total
1.	EAF (%)	68.2	90.6	90.7	97.0	93.6	90.7	88.4
2.	POF (%)	29.0	0.0	0.0	0.0	0.0	0.0	4.9
3.	EUOF (%)	2.8	9.4	9.3	3.0	6.4	9.3	6.7
4.	EUOR (%)	4.0	9.4	9.3	3.0	6.4	9.3	7.0
5.	PH	745.0	720.0	744.0	744.0	672.0	744.0	4369.0
6.	SH	513.0	652.0	675.0	722.0	629.0	675.0	3866.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	232.0	68.0	69.0	22.0	43.0	69.0	503.0
9.	POH	216.0	0.0	0.0	0.0	0.0	0.0	216.0
10.	FOH & EFOH	21.0	20.0	21.0	22.0	19.0	21.0	124.0
11.	MOH & EMOH	0.0	48.0	48.0	0.0	24.0	48.0	168.0
12.	Oper MBtu	2006733.0	2583033.0	2516639.0	2799378.0	2568174.0	2711327.0	15185284.0
13.	Net Gen (MWH)	195970.0	252570.0	244500.0	273110.0	251930.0	265530.0	1483610.0
14.	ANOHR (Btu/KWH)	10240.0	10227.0	10293.0	10250.0	10194.0	10211.0	10235.0
15.	NOF %	80.1	81.2	75.9	79.3	84.0	82.5	80.5
16.	NPC (MW)	477.0	477.0	477.0	477.0	477.0	477.0	477.0

19.	ANOHR Equation	10^6 / AEH * [74.15] + 11,439 - 0.00339 * LEHF / AEH

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Planned Outage Schedules (Estimated)

Gulf Power Company

Period of: October 1997 - March 1998

Plant & Unit	Planned Outage Dates	Reason for Outage
Crist 6	10/18/97 - 11/16/97	Semi-annual general boiler maintenance and inspection.
Crist 7	12/13/97 - 12/21/97	Semi-annual general boiler maintenance and inspection.
Smith 1	10/25/97 - 11/02/97	Semi-annual general boiler maintenance and inspection.
Smith 2	02/28/98 - 05/10/98	General turbine & boiler maintenance and inspection.
Dainel 1	10/04/97 - 10/12/97	Precipitator wash, general boiler maintenance and inspection.
Dainel 1	03/07/98 - 04/19/98	General boiler maintenance and inspection.
Dainel 2	10/11/97 - 10/19/97	Precipitator wash, general boiler maintenance and inspection.

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Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: October 1997 - March 1998

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 1997 - March 1998, 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	04/11/98 - 04/26/98	Semi-annual general boiler maintenance and inspection.
Crist 7	05/16/98 - 05/31/98	Semi-annual general boiler maintenance and inspection.
Smith 1	05/16/98 - 05/31/98	Semi-annual general boiler maintenance and inspection.
Smith 2	09/13/97 - 09/21/97	Semi-annual general boiler maintenance and inspection.
Daniel 1	04/25/98 - 05/03/98	Precipitator wash, general boiler maintenance and inspection.
Daniel 2	05/02/98 - 05/10/98	Precipitator wash, general boiler maintenance and inspection.

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AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 970001-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 16th day of June, 1997.

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