

ORIGINAL



October 9, 1998

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. 980001-EI are an original and ten copies of the following:

1. Petition of Gulf Power Company for Approval of GPIF Adjustment for October 1997 through March 1998; Estimated Fuel Cost True-up Amounts for April 1998 through September 1998 and for October 1998 through December 1998; Projected Fuel Cost Recovery Amounts for January 1999 through December 1999; Estimated Purchased Power Capacity Cost True-up Amounts for October 1997 through September 1998 and for October 1998 through December 1998; Projected Purchased Power Capacity Cost Recovery Amount for January 1999 through December 1999; GPIF Targets and Ranges for October 1998 through December 1998 and for January 1999 through December 1999; Estimated As-available Avoided Energy Costs and Fuel Cost Recovery Factors to be applied beginning with the period January 1999 through December 1999; Capacity Cost Recovery Factors to be applied beginning with the period January 1999 through December 1999.
2. Prepared direct testimony and exhibit of M. F. Oaks. 11369-98
3. Prepared direct testimony and exhibit of G. D. Fontaine. 11370-98
4. Prepared direct testimony and exhibit of M. W. Howell. 11371-98
5. Prepared direct testimony and exhibit of S. D. Cranmer. 11372-98

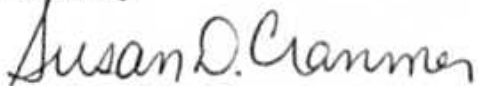
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Petition
 DOCUMENT NUMBER-DATE
 11368 OCT 12 98
 FPSC-RECORDS/REPORTING

Ms. Blanca S. Bayo
October 9, 1998
Page Two

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 NT computer.

Sincerely,

A handwritten signature in cursive script that reads "Susan D. Cranmer".

Susan D. Cranmer
Assistant Secretary and Assistant Treasurer

lw

Enclosures

cc: Beggs and Lane
Jeffrey A. Stone, Esquire

ORIGINAL

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

GENERATING PERFORMANCE INCENTIVE FACTOR
TARGETS FOR
JANUARY 1999 - DECEMBER 1999

Before

THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 980001-EI

DOCUMENT NUMBER-DATE
11370 OCT 12 88
FPSC RECORDS/REPORTING

1 GULF POWER COMPANY
2 Before the Florida Public Service Commission
3 Direct Testimony of
4 G. D. Fontaine
5 Docket No. 980001-EI
6 Date of Filing October 12, 1998

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

8 A. My name is George D. Fontaine, my business address is
9 One Energy Place, Pensacola, Florida 32520-0335, and my
10 position is Performance Test Specialist for Gulf Power
11 Company.

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

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

21
22 Q. Have you previously testified in this Docket?

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

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

3 A. The purpose of my testimony today is to present GPIF
4 targets for Gulf Power Company for the period of January 1,
5 1999 through December 31, 1999.

6
7 Q. Have you prepared an exhibit that contains information
8 to which you will refer in your testimony?

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

11

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

14 A. Yes, it was.

15

16 Counsel: We ask that Mr. Fontaine's exhibit be
17 marked for identification as exhibit _____ (GDF-3).

18

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

21 A. We propose that Crist Units 6 and 7, Smith Units 1 and
22 2, and Daniel Units 1 and 2 continue to be the
23 Company's GPIF units.

24

25

1 Q. What are the target heat rates Gulf proposes to use in
2 the GPIF for these units for the performance period
3 January 1, 1999 through December 31, 1999?

4 A. I would like to refer you to Page 32 of Schedule 1 of
5 my exhibit where these targets are listed. A change in
6 fuel at Plant Daniel is planned in 1999. The impact of
7 this change on the Plant Daniel heat rate targets for
8 this period cannot be projected at the time of this
9 filing since the details of the change have not been
10 determined.

11

12 Q. How were these proposed target heat rates determined?

13 A. In every case they were determined according to the
14 GPIF implementation manual procedures for Gulf.
15 Page 2 of Schedule 1 shows the target average net
16 operating heat rate equations for the proposed GPIF
17 units, and pages 4 through 29 of Schedule 1 contain the
18 weekly historical data used for the statistical
19 development of these equations.

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

23

24

25

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

5 A. Yes.

6

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

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

11

12 Q. How are these target equivalent availabilities
13 determined?

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

18

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

21 A. The maximum and minimum attainable equivalent
22 availabilities, which are presented along with their
23 respective target availabilities on page 4 of Schedule
24 2, were determined per GPIF manual procedures for Gulf.

25

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

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

5
6 Q. Mr. Fontaine, would you please summarize your
7 testimony?

8 A. Yes. Gulf asks that the Commission accept:

9 1. Crist Units 6 and 7, Smith Units 1 and 2 and Daniel
10 Units 1 and 2, for inclusion under the GPIF for the
11 period of January 1, 1999 through December 31, 1999.

12
13 2. The target, maximum attainable, and minimum
14 attainable average net operating heat rates, as
15 proposed by the Company and as shown on page 32 of
16 Schedule 1 and also page 5 of Schedule 3 of my
17 exhibit.

18
19 3. The target, maximum attainable, and minimum
20 attainable equivalent availabilities, as proposed
21 by the Company and as shown on Page 4 of Schedule
22 2 and also page 5 of Schedule 3 of my exhibit.

23
24 4. The weekly average net operating heat rate least
25 squares regression equations, shown on page 2 of

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Schedule 1 and also pages 18 through 29 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. 980001-E1
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. ____ (GDF-3)

EXHIBIT TO THE TESTIMONY OF

G. D. FONTAINE

IN FPSC DOCKET 980001-E1

I. DETERMINATION OF HEAT RATE TARGETS

Target Heat Rate Equations

Crist 6 ANOHR = $10^6 / AKW * [150.42 - 49.59 * FEB - 32.29 * MAR - 26.52 * APR - 29.06 * MAY - 45.84 * OCT]$
+ 9.985

Crist 7 ANOHR = $10^6 / AKW * [299.56 + 157.29 * MAY + 93.18 * JUL + 45.06 * AUG]$
+ 9.485

Smith 1 ANOHR = $10^6 / AKW * [63.65 + 14.44 * JAN + 17.67 * FEB + 12.53 * MAR + 11.92 * JUL]$
+ 9.775

Smith 2 ANOHR = $10^6 / AKW * [-14.48 + 15.27 * JAN + 41.91 * MAR + 30.74 * JUL + 25.75 * AUG]$
+ 10.284

Daniel 1 ANOHR = $10^6 / AKW * [-39.36 - 41.46 * MAR + 60.97 * OCT]$
+ 12.144 - 0.00374 * LSRF / AKW

Daniel 2 ANOHR = $10^6 / AKW * [60.76 - 60.56 * JAN - 52.82 * FEB - 44.61 * MAR - 37.43 * OCT]$
+ 11.284 - 0.00261 * LSRF / AKW

Where:

- ANOHR = Average Net Operating Heat Rate, BTU/KWH
- AKW = Average Kilowatt Load, KW
- LSRF = Load Square Range Factor, KW²
- 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
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
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

Data Base for CRIST 6 Target Heat Rate Equation

HR	HOUR	AMM	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
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	37389	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
10452	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
10807	167	149.0	23780	0	0	0	1	0	0	0	0	0	0	0	0	1997
10694	168	148.4	23603	0	0	0	1	0	0	0	0	0	0	0	0	1997
10617	168	172.8	33320	0	0	0	1	0	0	0	0	0	0	0	0	1997
10511	168	202.4	46310	0	0	0	1	0	0	0	0	0	0	0	0	1997
10724	99	170.2	33466	0	0	0	0	1	0	0	0	0	0	0	0	1997
11029	141	149.7	27563	0	0	0	0	1	0	0	0	0	0	0	1	1997
10403	168	198.0	42852	0	0	0	0	1	0	0	0	0	0	0	0	1997
10866	168	157.9	32869	0	0	0	0	1	0	0	0	0	0	0	0	1997
10818	167	162.4	30606	0	0	0	0	1	0	0	0	0	0	0	0	1997
11330	168	133.0	20826	0	0	0	0	0	1	0	0	0	0	0	0	1997
11102	168	174.3	35632	0	0	0	0	0	1	0	0	0	0	0	0	1997
10818	168	187.2	40880	0	0	0	0	0	1	0	0	0	0	0	0	1997

Data Base for CRIST 6 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MS	YEAR
10943	168	179.6	37652	0	0	0	0	0	1	0	0	0	0	0	0	1997
10883	168	208.7	50498	0	0	0	0	0	0	1	0	0	0	0	0	1997
11483	168	155.8	27723	0	0	0	0	0	0	1	0	0	0	0	0	1997
11234	168	162.4	30227	0	0	0	0	0	0	1	0	0	0	0	0	1997
10901	168	213.4	50938	0	0	0	0	0	0	1	0	0	0	0	0	1997
10871	168	178.9	37117	0	0	0	0	0	0	0	1	0	0	0	0	1997
11006	168	173.3	34804	0	0	0	0	0	0	0	1	0	0	0	0	1997
10539	168	222.2	54505	0	0	0	0	0	0	0	1	0	0	0	0	1997
10554	168	208.3	49645	0	0	0	0	0	0	0	1	0	0	0	0	1997
10616	168	201.2	48706	0	0	0	0	0	0	0	1	0	0	0	0	1997
10560	168	212.0	52281	0	0	0	0	0	0	0	0	1	0	0	0	1997
10516	117	213.7	53660	0	0	0	0	0	0	0	0	1	0	0	1	1997
10373	165	228.3	58801	0	0	0	0	0	0	0	0	1	0	0	0	1997
10831	168	179.8	37447	0	0	0	0	0	0	0	0	1	0	0	0	1997
10574	18	195.0	45296	0	0	0	0	0	0	0	0	1	0	0	0	1997
10415	75	219.5	54886	0	0	0	0	0	0	0	0	0	1	0	1	1997
10684	168	202.9	46288	0	0	0	0	0	0	0	0	0	1	0	0	1997
10679	70	163.2	28695	0	0	0	0	0	0	0	0	0	1	0	0	1997
11436	110	165.1	32220	0	0	0	0	0	0	0	0	0	0	0	1	1997
10680	168	235.3	61294	0	0	0	0	0	0	0	0	0	0	0	0	1997
10914	76	198.9	45226	0	0	0	0	0	0	0	0	0	0	0	0	1997
11744	99	144.8	22986	0	0	0	0	0	0	0	0	0	0	0	1	1997
11279	15	123.8	16118	1	0	0	0	0	0	0	0	0	0	0	0	1998
10939	149	218.3	53383	1	0	0	0	0	0	0	0	0	0	0	1	1998
10810	168	234.2	59691	1	0	0	0	0	0	0	0	0	0	0	0	1998
11037	168	197.0	43142	1	0	0	0	0	0	0	0	0	0	0	0	1998
11229	168	176.4	33936	1	0	0	0	0	0	0	0	0	0	0	0	1998
10657	168	194.9	41264	0	1	0	0	0	0	0	0	0	0	0	0	1998
10613	168	186.6	39179	0	1	0	0	0	0	0	0	0	0	0	0	1998
10371	168	209.4	49823	0	1	0	0	0	0	0	0	0	0	0	0	1998
10391	168	205.0	47809	0	1	0	0	0	0	0	0	0	0	0	0	1998
10660	168	243.4	64790	0	0	1	0	0	0	0	0	0	0	0	0	1998
10641	168	229.5	57861	0	0	1	0	0	0	0	0	0	0	0	0	1998
10663	168	202.6	45698	0	0	1	0	0	0	0	0	0	0	0	0	1998
10528	168	237.0	61359	0	0	1	0	0	0	0	0	0	0	0	0	1998
10518	167	227.6	57539	0	0	0	1	0	0	0	0	0	0	0	0	1998
10647	168	209.9	49267	0	0	0	1	0	0	0	0	0	0	0	0	1998
10477	69	259.9	71446	0	0	0	1	0	0	0	0	0	0	0	0	1998
12942	13	126.4	16689	0	0	0	1	0	0	0	0	0	0	0	1	1998
10573	168	213.4	50470	0	0	0	0	1	0	0	0	0	0	0	0	1998
10411	168	234.8	60425	0	0	0	0	1	0	0	0	0	0	0	0	1998
10331	168	281.2	67786	0	0	0	0	1	0	0	0	0	0	0	0	1998
10457	168	281.3	87734	0	0	0	0	1	0	0	0	0	0	0	0	1998
10719	135	239.4	63743	0	0	0	0	1	0	0	0	0	0	0	1	1998
10496	168	231.8	58700	0	0	0	0	0	1	0	0	0	0	0	0	1998
10690	168	253.5	68465	0	0	0	0	0	1	0	0	0	0	0	0	1998
10669	134	241.0	63971	0	0	0	0	0	1	0	0	0	0	0	1	1998
10545	146	233.9	60446	0	0	0	0	0	1	0	0	0	0	0	0	1998

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.

LSEF Load square range factor, in MW².

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
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	42	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	245.6	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
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

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
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
10358	167	343.1	131827	0	0	0	1	0	0	0	0	0	0	0	0	1997
10304	166	357.9	143356	0	0	0	1	0	0	0	0	0	0	0	0	1997
10558	142	352.2	137891	0	0	0	1	0	0	0	0	0	0	0	1	1997
10192	63	373.8	155010	0	0	0	1	0	0	0	0	0	0	0	0	1997
*20529	7	140.3	22105	0	0	0	0	1	0	0	0	0	0	0	1	1997
11310	48	210.2	50548	0	0	0	0	0	1	0	0	0	0	0	1	1997
10768	101	288.6	105293	0	0	0	0	0	1	0	0	0	0	0	2	1997
10553	128	335.9	133952	0	0	0	0	0	1	0	0	0	0	0	1	1997
10672	168	351.3	142934	0	0	0	0	0	1	0	0	0	0	0	0	1997
10735	166	358.9	149824	0	0	0	0	0	0	1	0	0	0	0	0	1997
10429	168	369.2	156851	0	0	0	0	0	0	1	0	0	0	0	0	1997
10577	168	355.0	145792	0	0	0	0	0	0	1	0	0	0	0	0	1997
10732	168	380.6	162265	0	0	0	0	0	0	1	0	0	0	0	0	1997
10625	122	320.7	126085	0	0	0	0	0	0	0	1	0	0	0	1	1997
10620	122	330.2	131125	0	0	0	0	0	0	0	1	0	0	0	1	1997
10238	168	415.8	185966	0	0	0	0	0	0	0	1	0	0	0	0	1997
9999	168	397.6	175594	0	0	0	0	0	0	0	1	0	0	0	0	1997
10221	168	379.3	163604	0	0	0	0	0	0	0	1	0	0	0	0	1997
10206	168	401.5	179966	0	0	0	0	0	0	0	0	1	0	0	0	1997
10357	150	390.5	173153	0	0	0	0	0	0	0	0	1	0	0	0	1997
9976	163	430.0	197475	0	0	0	0	0	0	0	0	1	0	0	0	1997

Data Base for CRIST 7 Target Heat Rate Equation

HR	HOHR	AMM	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MOV	NS	YEAR
10263	188	374.6	156330	0	0	0	0	0	0	0	0	1	0	0	0	1997
10417	24	334.4	123221	0	0	0	0	0	0	0	0	1	0	0	0	1997
10440	118	345.6	133677	0	0	0	0	0	0	0	0	0	1	0	0	1997
10239	134	400.8	181371	0	0	0	0	0	0	0	0	0	1	0	1	1997
10008	188	364.4	153316	0	0	0	0	0	0	0	0	0	1	0	0	1997
10379	141	367.8	157382	0	0	0	0	0	0	0	0	0	1	0	1	1997
10247	157	361.1	150359	0	0	0	0	0	0	0	0	0	0	1	0	1997
10458	146	300.7	105465	0	0	0	0	0	0	0	0	0	0	1	0	1997
10188	168	388.9	165016	0	0	0	0	0	0	0	0	0	0	1	0	1997
10473	168	336.0	128873	0	0	0	0	0	0	0	0	0	0	1	0	1997
10049	29	311.7	112901	0	0	0	0	0	0	0	0	0	0	1	0	1997
10789	107	261.7	79032	0	0	0	0	0	0	0	0	0	0	0	1	1997
10556	128	244.5	74051	0	0	0	0	0	0	0	0	0	0	0	1	1997
10463	168	329.8	123668	1	0	0	0	0	0	0	0	0	0	0	0	1998
11493	33	257.6	74980	1	0	0	0	0	0	0	0	0	0	0	1	1998
10440	159	359.1	136046	1	0	0	0	0	0	0	0	0	0	0	1	1998
10384	168	402.8	173393	1	0	0	0	0	0	0	0	0	0	0	0	1998
10104	168	387.7	161630	1	0	0	0	0	0	0	0	0	0	0	0	1998
10019	168	414.7	180515	0	1	0	0	0	0	0	0	0	0	0	0	1998
10188	39	339.7	132661	0	1	0	0	0	0	0	0	0	0	0	0	1998
11457	25	245.6	70590	0	0	1	0	0	0	0	0	0	0	0	1	1998
10153	168	393.6	163232	0	0	1	0	0	0	0	0	0	0	0	0	1998
996.	168	436.7	198894	0	0	1	0	0	0	0	0	0	0	0	0	1998
10057	168	459.6	214840	0	0	1	0	0	0	0	0	0	0	0	0	1998
10013	167	457.4	213621	0	0	0	1	0	0	0	0	0	0	0	0	1998
10259	168	441.5	201502	0	0	0	1	0	0	0	0	0	0	0	0	1998
10252	146	464.8	220552	0	0	0	1	0	0	0	0	0	0	0	0	1998
10397	168	441.8	201211	0	0	0	1	0	0	0	0	0	0	0	0	1998
10497	168	436.2	199312	0	0	0	0	1	0	0	0	0	0	0	0	1998
10446	164	442.2	202421	0	0	0	0	1	0	0	0	0	0	0	0	1998
10410	168	470.0	222286	0	0	0	0	1	0	0	0	0	0	0	0	1998
10631	168	472.1	224105	0	0	0	0	1	0	0	0	0	0	0	0	1998
10666	168	433.7	195373	0	0	0	0	1	0	0	0	0	0	0	0	1998
10630	41	421.6	187752	0	0	0	0	0	1	0	0	0	0	0	0	1998
10428	152	433.6	198362	0	0	0	0	0	1	0	0	0	0	0	1	1998
9922	168	435.8	198747	0	0	0	0	0	1	0	0	0	0	0	0	1998
10099	150	433.5	196430	0	0	0	0	0	1	0	0	0	0	0	0	1998

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 MW².

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	LSRP	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MS	YEAR
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
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

Data Base for SMITH 1 Target Heat Rate Equation

HR	MOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
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	141.5	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	1	0	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
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
9994	167	156.3	24582	0	0	0	1	0	0	0	0	0	0	0	0	1997
10050	168	149.8	22865	0	0	0	1	0	0	0	0	0	0	0	0	1997

Data Base for SMITH 1 Target Heat Rate Equation

HR	HOHR	AMB	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10019	168	149.0	22623	0	0	0	1	0	0	0	0	0	0	0	0	1997
10088	168	150.3	22982	0	0	0	1	0	0	0	0	0	0	0	0	1997
10090	168	138.2	20423	0	0	0	0	1	0	0	0	0	0	0	0	1997
10150	168	130.5	18329	0	0	0	0	1	0	0	0	0	0	0	0	1997
10190	116	139.8	20685	0	0	0	0	1	0	0	0	0	0	0	1	1997
10086	168	138.0	20104	0	0	0	0	1	0	0	0	0	0	0	0	1997
10292	168	135.7	19550	0	0	0	0	1	0	0	0	0	0	0	0	1997
10224	168	127.2	17639	0	0	0	0	0	1	0	0	0	0	0	0	1997
10191	168	130.7	18658	0	0	0	0	0	1	0	0	0	0	0	0	1997
10255	168	133.0	19105	0	0	0	0	0	1	0	0	0	0	0	0	1997
10221	168	137.8	20173	0	0	0	0	0	1	0	0	0	0	0	0	1997
10387	142	136.3	19820	0	0	0	0	0	0	1	0	0	0	0	1	1997
10361	168	141.5	20848	0	0	0	0	0	0	1	0	0	0	0	0	1997
10397	168	141.0	20741	0	0	0	0	0	0	1	0	0	0	0	0	1997
10358	168	151.0	23090	0	0	0	0	0	0	1	0	0	0	0	0	1997
10238	168	138.6	20323	0	0	0	0	0	0	0	1	0	0	0	0	1997
10255	168	138.5	20207	0	0	0	0	0	0	1	0	0	0	0	0	1997
10138	100	152.2	23372	0	0	0	0	0	0	0	1	0	0	0	0	1997
10577	78	120.5	16586	0	0	0	0	0	0	0	1	0	0	0	1	1997
10229	168	140.6	20642	0	0	0	0	0	0	0	1	0	0	0	0	1997
10196	168	139.8	20585	0	0	0	0	0	0	0	0	1	0	0	0	1997
10153	168	147.3	22330	0	0	0	0	0	0	0	0	1	0	0	0	1997
10130	168	156.6	24597	0	0	0	0	0	0	0	0	1	0	0	0	1997
10235	168	146.3	22121	0	0	0	0	0	0	0	0	1	0	0	0	1997
10272	24	142.3	21214	0	0	0	0	0	0	0	0	1	0	0	0	1997
10223	168	142.5	21190	0	0	0	0	0	0	0	0	0	1	0	0	1997
10170	168	151.8	23239	0	0	0	0	0	0	0	0	0	1	0	0	1997
10208	168	138.4	20265	0	0	0	0	0	0	0	0	0	1	0	0	1997
10245	73	137.2	20080	0	0	0	0	0	0	0	0	0	1	0	0	1997
10494	71	129.5	18433	0	0	0	0	0	0	0	0	0	0	1	1	1997
10367	168	98.3	10150	0	0	0	0	0	0	0	0	0	0	1	0	1997
10312	168	117.4	14886	0	0	0	0	0	0	0	0	0	0	1	0	1997
10299	168	146.4	21916	0	0	0	0	0	0	0	0	0	0	1	0	1997
10255	168	126.1	17284	0	0	0	0	0	0	0	0	0	0	1	0	1997
10401	168	146.0	21998	0	0	0	0	0	0	0	0	0	0	0	0	1997
10227	168	147.3	22270	0	0	0	0	0	0	0	0	0	0	0	0	1997
10284	168	141.6	21028	0	0	0	0	0	0	0	0	0	0	0	0	1997
10338	168	116.5	15378	0	0	0	0	0	0	0	0	0	0	0	0	1997
10233	168	122.2	16298	1	0	0	0	0	0	0	0	0	0	0	0	1998
10227	168	130.0	18360	1	0	0	0	0	0	0	0	0	0	0	0	1998
10300	168	134.8	19185	1	0	0	0	0	0	0	0	0	0	0	0	1998
10470	168	131.5	18355	1	0	0	0	0	0	0	0	0	0	0	0	1998
10559	168	127.4	17502	1	0	0	0	0	0	0	0	0	0	0	0	1998
10423	168	137.9	19903	0	1	0	0	0	0	0	0	0	0	0	0	1998
10391	168	117.8	15442	0	1	0	0	0	0	0	0	0	0	0	0	1998
10357	168	125.5	17185	0	1	0	0	0	0	0	0	0	0	0	0	1998
10419	168	118.2	15750	0	1	0	0	0	0	0	0	0	0	0	0	1998

Data Base for SMITH 1 Target Heat Rate Equation

HR	HOHR	AMW	LEEF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10512	145	130.7	18853	0	0	1	0	0	0	0	0	0	0	0	1	1998
10311	168	140.3	20615	0	0	1	0	0	0	0	0	0	0	0	0	1998
10236	168	140.0	20604	0	0	1	0	0	0	0	0	0	0	0	0	1998
10208	168	139.4	20476	0	0	1	0	0	0	0	0	0	0	0	0	1998
10183	167	149.0	22661	0	0	0	1	0	0	0	0	0	0	0	0	1998
10224	168	136.1	19721	0	0	0	1	0	0	0	0	0	0	0	0	1998
10218	168	148.2	22450	0	0	0	1	0	0	0	0	0	0	0	0	1998
10154	168	137.2	20007	0	0	0	1	0	0	0	0	0	0	0	0	1998
10002	168	153.2	23707	0	0	0	0	1	0	0	0	0	0	0	0	1998
10357	168	155.1	24120	0	0	0	0	1	0	0	0	0	0	0	0	1998
10320	168	155.5	24210	0	0	0	0	1	0	0	0	0	0	0	0	1998
10276	168	153.6	23705	0	0	0	0	1	0	0	0	0	0	0	0	1998
10306	168	152.9	23514	0	0	0	0	1	0	0	0	0	0	0	0	1998
10160	25	145.5	22061	0	0	0	0	0	1	0	0	0	0	0	0	1998
10386	95	150.5	23182	0	0	0	0	0	1	0	0	0	0	0	1	1998
10161	168	155.0	24113	0	0	0	0	0	1	0	0	0	0	0	0	1998
10047	168	156.4	24505	0	0	0	0	0	1	0	0	0	0	0	0	1998

Data Base for SMITH 1 Target Heat Rate Equation

NR 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.

APM Average load on the unit, in MW.

LSRF Load square range factor, in MW².

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	MS	YEAR
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	161	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
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	23272	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

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
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	158	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
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
10285	95	162.5	27958	0	0	0	1	0	0	0	0	0	0	0	1	1997
10098	168	165.3	28668	0	0	0	1	0	0	0	0	0	0	0	0	1997

Data Base for SMITH 2 Target Heat Rate Equation

HR	HOOR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10044	168	170.5	30248	0	0	0	1	0	0	0	0	0	0	0	0	1997
10132	168	149.4	24726	0	0	0	0	1	0	0	0	0	0	0	0	1997
10256	168	139.8	22011	0	0	0	0	1	0	0	0	0	0	0	0	1997
10166	168	153.4	25791	0	0	0	0	1	0	0	0	0	0	0	0	1997
9933	168	152.8	25617	0	0	0	0	1	0	0	0	0	0	0	0	1997
10344	168	146.9	24070	0	0	0	0	1	0	0	0	0	0	0	0	1997
10266	168	131.9	19901	0	0	0	0	0	1	0	0	0	0	0	0	1997
10210	168	143.5	23380	0	0	0	0	0	1	0	0	0	0	0	0	1997
10349	168	147.5	24373	0	0	0	0	0	1	0	0	0	0	0	0	1997
10340	146	151.1	25219	0	0	0	0	0	1	0	0	0	0	0	0	1997
10354	168	155.2	26245	0	0	0	0	0	0	1	0	0	0	0	0	1997
10237	168	156.6	26434	0	0	0	0	0	0	1	0	0	0	0	0	1997
10255	168	155.5	26141	0	0	0	0	0	0	1	0	0	0	0	0	1997
10200	168	168.9	29484	0	0	0	0	0	0	1	0	0	0	0	0	1997
10125	168	154.5	25964	0	0	0	0	0	0	0	1	0	0	0	0	1997
10151	168	152.3	25448	0	0	0	0	0	0	0	1	0	0	0	0	1997
10116	145	168.6	29387	0	0	0	0	0	0	1	0	0	0	0	0	1997
10164	168	165.8	29050	0	0	0	0	0	0	0	1	0	0	0	0	1997
10103	168	156.9	26571	0	0	0	0	0	0	0	1	0	0	0	0	1997
10020	168	156.1	26573	0	0	0	0	0	0	0	0	1	0	0	0	1997
10067	96	160.7	27555	0	0	0	0	0	0	0	0	1	0	0	0	1997
10085	92	176.8	31862	0	0	0	0	0	0	0	0	1	0	0	1	1997
9996	168	166.0	28953	0	0	0	0	0	0	0	0	1	0	0	0	1997
9842	24	163.4	28585	0	0	0	0	0	0	0	0	1	0	0	0	1997
9986	168	162.1	28097	0	0	0	0	0	0	0	0	0	1	0	0	1997
9939	168	173.4	30564	0	0	0	0	0	0	0	0	0	1	0	0	1997
9978	168	155.4	26152	0	0	0	0	0	0	0	0	0	1	0	0	1997
10114	169	162.9	28099	0	0	0	0	0	0	0	0	0	1	0	0	1997
10141	168	155.3	25961	0	0	0	0	0	0	0	0	0	0	1	0	1997
10156	145	157.5	26660	0	0	0	0	0	0	0	0	0	0	1	0	1997
9958	168	172.2	30675	0	0	0	0	0	0	0	0	0	0	1	0	1997
10024	168	168.5	29506	0	0	0	0	0	0	0	0	0	0	1	0	1997
10081	168	136.5	21002	0	0	0	0	0	0	0	0	0	0	1	0	1997
10181	134	167.5	29827	0	0	0	0	0	0	0	0	0	0	0	1	1997
10100	137	167.9	29694	0	0	0	0	0	0	0	0	0	0	0	0	1997
10079	118	153.7	26164	0	0	0	0	0	0	0	0	0	0	0	1	1997
10189	95	131.5	20649	0	0	0	0	0	0	0	0	0	0	0	1	1997
10068	168	148.8	24665	1	0	0	0	0	0	0	0	0	0	0	0	1998
10135	139	147.9	23646	1	0	0	0	0	0	0	0	0	0	0	1	1998
10120	168	158.0	26116	1	0	0	0	0	0	0	0	0	0	0	0	1998
10056	168	175.2	30765	1	0	0	0	0	0	0	0	0	0	0	0	1998
10332	168	174.7	31139	1	0	0	0	0	0	0	0	0	0	0	0	1998
10198	168	173.4	30473	0	1	0	0	0	0	0	0	0	0	0	0	1998
9919	168	170.1	29092	0	1	0	0	0	0	0	0	0	0	0	0	1998
9951	168	166.8	28540	0	1	0	0	0	0	0	0	0	0	0	0	1998
10026	70	162.9	28013	0	1	0	0	0	0	0	0	0	0	0	0	1998
*13989	21	81.1	9097	0	0	0	0	1	0	0	0	0	0	0	2	1998

Data Base for SMITH 2 Target Heat Rate Equation

HR	HOUR	AMM	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10568	93	132.1	20017	0	0	0	0	1	0	0	0	0	0	0	1	1998
10166	46	177.0	32284	0	0	0	0	1	0	0	0	0	0	0	0	1998
10333	66	149.3	26043	0	0	0	0	1	0	0	0	0	0	0	1	1998
9934	168	187.5	35192	0	0	0	0	0	1	0	0	0	0	0	0	1998
10000	168	188.5	35654	0	0	0	0	0	1	0	0	0	0	0	0	1998
10092	168	187.4	35145	0	0	0	0	0	1	0	0	0	0	0	0	1998
9964	168	182.9	33905	0	0	0	0	0	1	0	0	0	0	0	0	1998

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.

HOURL Number of hours the unit was synchronized during the week.

AMW Average load on the unit, in MW.

LSEF Load square range factor, in MW².

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
11199	104	220.5	66236	0	0	0	0	0	0	1	0	0	0	0	1	1995
10476	168	321.6	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
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	159482	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	159555	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

Data Base for DANIEL 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MS	YEAR
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	349.9	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
10574	89	406.4	173770	0	0	0	1	0	0	0	0	0	0	0	1	1997
10590	168	428.0	185933	0	0	0	1	0	0	0	0	0	0	0	0	1997
10352	168	449.3	202671	0	0	0	1	0	0	0	0	0	0	0	0	1997
10699	168	443.9	197621	0	0	0	1	0	0	0	0	0	0	0	0	1997
10404	93	408.0	169639	0	0	0	0	1	0	0	0	0	0	0	0	1997
10946	67	340.3	128531	0	0	0	0	1	0	0	0	0	0	0	1	1997
10367	168	424.3	184712	0	0	0	0	1	0	0	0	0	0	0	0	1997
10513	168	418.2	178740	0	0	0	0	1	0	0	0	0	0	0	0	1997
10499	168	349.5	125242	0	0	0	0	1	0	0	0	0	0	0	0	1997
10609	168	374.0	150054	0	0	0	0	0	1	0	0	0	0	0	0	1997
10614	168	395.9	163115	0	0	0	0	0	1	0	0	0	0	0	0	1997
10637	168	397.3	165198	0	0	0	0	0	1	0	0	0	0	0	0	1997
10600	168	386.2	154992	0	0	0	0	0	1	0	0	0	0	0	0	1997
10645	168	399.0	164401	0	0	0	0	0	0	1	0	0	0	0	0	1997
10789	86	377.8	151678	0	0	0	0	0	0	1	0	0	0	0	1	1997
10640	168	369.9	140828	0	0	0	0	0	0	1	0	0	0	0	0	1997
10793	168	392.2	155125	0	0	0	0	0	0	1	0	0	0	0	0	1997

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
10790	168	362.9	137430	0	0	0	0	0	0	0	1	0	0	0	0	1997
10776	135	379.1	148806	0	0	0	0	0	0	0	1	0	0	0	1	1997
10639	168	413.0	170854	0	0	0	0	0	0	0	1	0	0	0	0	1997
10793	123	372.2	148539	0	0	0	0	0	0	0	1	0	0	0	1	1997
10553	168	383.2	152292	0	0	0	0	0	0	0	1	0	0	0	0	1997
10792	131	355.6	137302	0	0	0	0	0	0	0	0	1	0	0	1	1997
10597	168	368.0	142684	0	0	0	0	0	0	0	0	1	0	0	0	1997
10713	139	377.5	148203	0	0	0	0	0	0	0	0	1	0	0	1	1997
10696	168	363.3	138521	0	0	0	0	0	0	0	0	1	0	0	0	1997
10736	24	353.8	133462	0	0	0	0	0	0	0	0	1	0	0	0	1997
10617	168	373.7	143155	0	0	0	0	0	0	0	0	0	1	0	0	1997
10677	83	333.2	112028	0	0	0	0	0	0	0	0	0	1	0	0	1997
10705	68	339.6	127450	0	0	0	0	0	0	0	0	0	1	0	1	1997
10664	146	378.7	151108	0	0	0	0	0	0	0	0	0	1	0	0	1997
10830	167	373.9	148544	0	0	0	0	0	0	0	0	0	0	1	0	1997
10466	124	397.9	166774	0	0	0	0	0	0	0	0	0	0	1	1	1997
10378	168	417.1	177825	0	0	0	0	0	0	0	0	0	0	1	0	1997
10464	153	394.9	164220	0	0	0	0	0	0	0	0	0	0	1	0	1997
10529	168	351.9	134096	0	0	0	0	0	0	0	0	0	0	1	0	1997
10528	168	393.4	159933	0	0	0	0	0	0	0	0	0	0	0	0	1997
10550	168	400.6	164575	0	0	0	0	0	0	0	0	0	0	0	0	1997
10692	100	372.1	144588	0	0	0	0	0	0	0	0	0	0	0	1	1997
10735	168	315.3	110914	0	0	0	0	0	0	0	0	0	0	0	0	1997
10799	168	287.3	94698	1	0	0	0	0	0	0	0	0	0	0	0	1998
10771	168	326.6	115282	1	0	0	0	0	0	0	0	0	0	0	0	1998
10342	168	375.4	147535	1	0	0	0	0	0	0	0	0	0	0	0	1998
10600	168	346.2	126688	1	0	0	0	0	0	0	0	0	0	0	0	1998
10607	168	337.6	122720	1	0	0	0	0	0	0	0	0	0	0	0	1998
10499	72	374.8	146150	0	1	0	0	0	0	0	0	0	0	0	0	1998
10465	128	314.7	111832	0	0	1	0	0	0	0	0	0	0	0	1	1998
10495	168	389.3	163543	0	0	1	0	0	0	0	0	0	0	0	0	1998
10420	167	399.6	171579	0	0	0	1	0	0	0	0	0	0	0	0	1998
10633	105	377.5	158113	0	0	0	1	0	0	0	0	0	0	0	1	1998
10424	137	412.8	180808	0	0	0	1	0	0	0	0	0	0	0	1	1998
10349	168	391.4	166654	0	0	0	1	0	0	0	0	0	0	0	0	1998
10442	168	389.9	161435	0	0	0	0	1	0	0	0	0	0	0	0	1998
10346	168	388.4	160734	0	0	0	0	1	0	0	0	0	0	0	0	1998
10347	168	430.6	190386	0	0	0	0	1	0	0	0	0	0	0	0	1998
10359	168	419.1	182107	0	0	0	0	1	0	0	0	0	0	0	0	1998
10393	168	413.0	179030	0	0	0	0	1	0	0	0	0	0	0	0	1998
10546	168	395.9	168440	0	0	0	0	0	1	0	0	0	0	0	0	1998
10454	168	419.1	179076	0	0	0	0	0	1	0	0	0	0	0	0	1998
10560	168	386.7	155511	0	0	0	0	0	1	0	0	0	0	0	0	1998
10645	168	378.2	152447	0	0	0	0	0	1	0	0	0	0	0	0	1998

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.

HOOR Number of hours the unit was synchronized during the week.

AMW Average load on the unit, in MW.

LSRF Load square range factor, in MW².

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	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
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	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
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	156789	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

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.

HOOR Number of hours the unit was synchronized during the week.

AMM Average load on the unit, in MW.

LSRF Load square range factor, in MW².

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 January 1999 - December 1999

Unit	Month	(1)	(2)	(3)	(4)	(5)
		Forecast AKW * 10 ³	Forecast LSRF * 10 ⁶	Forecast Monthly ANOHR	Forecast AKW * 10 ³ Generation	Weighted ANOHR Target
CRIST 6	Jan '99	178.6	36,757	10,827	115,750	
	Feb '99	226.3	56,922	10,431	141,430	
	Mar '99	234.6	60,610	10,489	43,410	
	Apr '99	205.8	48,041	10,587	142,650	
	May '99	205.1	47,743	10,577	147,060	
	Jun '99	233.7	60,207	10,629	162,200	
	Jul '99	240.8	63,399	10,610	172,650	
	Aug '99	243.2	64,487	10,604	174,380	
	Sep '99	226.0	56,790	10,651	156,810	
	Oct '99	232.1	59,494	10,436	166,670	
	Nov '99	183.1	38,585	10,807	127,100	
	Dec '99	159.8	29,392	10,926	103,570	10.624
CRIST 7	Jan '99	430.9	196,127	10,180	271,910	
	Feb '99	464.3	221,360	10,130	70,580	
	Mar '99	434.8	199,037	10,174	293,520	
	Apr '99	413.6	183,336	10,209	224,610	
	May '99	411.6	181,870	10,595	277,810	
	Jun '99	455.3	214,491	10,143	297,310	
	Jul '99	461.4	219,141	10,336	311,420	
	Aug '99	473.1	228,125	10,213	319,320	
	Sep '99	439.3	202,406	10,167	286,890	
	Oct '99	469.0	224,967	10,124	265,900	
	Nov '99	436.6	200,383	10,171	285,110	
	Dec '99	385.8	163,180	10,261	260,410	10.232
SMITH 1	Jan '99	161.8	25,834	10,258	118,410	
	Feb '99	161.9	25,859	10,277	19,110	
	Mar '99	0.0	0	-	0	
	Apr '99	160.8	25,589	10,171	45,500	
	May '99	160.7	25,564	10,171	117,650	
	Jun '99	162.0	25,884	10,168	114,680	
	Jul '99	161.9	25,859	10,242	118,500	
	Aug '99	161.9	25,859	10,168	118,500	
	Sep '99	162.0	25,884	10,168	91,670	
	Oct '99	161.6	25,785	10,169	99,390	
	Nov '99	161.7	25,810	10,169	114,510	
	Dec '99	156.4	24,514	10,182	114,450	10.190

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.

$$\text{Column (5)} = (\sum (3) * (4)) / (\sum (4))$$

Calculation of
Target Average Net Operating Heat Rates
for January 1999 - December 1999

Unit	Month	(1)	(2)	(3)	(4)	(5)
		Forecast AKW * 10 ³	Forecast LSRF * 10 ⁶	Forecast Monthly ANOHR	Forecast AKW * 10 ³ Generation	Weighted ANOHR Target
SMITH 2	Jan '99	192.1	36,214	10,288	137,190	
	Feb '99	192.5	36,327	10,209	124,170	
	Mar '99	191.8	36,129	10,427	136,950	
	Apr '99	189.5	35,482	10,208	130,750	
	May '99	190.4	35,735	10,208	65,680	
	Jun '99	192.5	36,327	10,209	133,040	
	Jul '99	192.5	36,327	10,368	137,480	
	Aug '99	192.5	36,327	10,343	137,480	
	Sep '99	192.2	36,242	10,209	132,790	
	Oct '99	192.2	36,242	10,209	128,610	
	Nov '99	191.9	36,158	10,209	92,900	
	Dec '99	182.8	33,606	10,205	130,520	10,263
DANIEL 1	Jan '99	401.4	168,440	10,477	282,990	
	Feb '99	431.8	189,322	10,413	275,070	
	Mar '99	405.5	171,210	10,366	240,030	
	Apr '99	395.5	164,481	10,489	45,090	
	May '99	383.3	156,391	10,515	270,240	
	Jun '99	423.4	183,471	10,430	289,200	
	Jul '99	432.0	189,462	10,413	304,540	
	Aug '99	444.7	198,426	10,387	313,520	
	Sep '99	412.6	176,040	10,453	197,220	
	Oct '99	437.8	193,538	10,540	309,070	
	Nov '99	406.8	172,091	10,465	212,770	
	Dec '99	356.5	139,074	10,575	194,640	10,455
DANIEL 2	Jan '99	415.7	179,633	10,157	298,500	
	Feb '99	447.8	201,643	10,126	51,950	
	Mar '99	0.0	0	-	0	
	Apr '99	405.7	172,921	10,321	65,720	
	May '99	393.1	164,560	10,346	282,280	
	Jun '99	434.8	192,645	10,267	301,720	
	Jun '99	443.1	198,377	10,253	318,180	
	Jun '99	454.9	206,607	10,232	326,590	
	Jun '99	419.6	182,270	10,295	291,210	
	Jun '99	448.8	202,340	10,159	270,600	
	Jun '99	419.1	181,931	10,296	290,860	
	Jun '99	366.6	147,331	10,401	263,240	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.

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

Summary of Target, Maximum, and Minimum
Average Net Operating Heat Rates
for January 1999 - December 1999

Unit	Target Heat Rate BTU/KWH (0 Points)	Minimum Attainable Heat Rate (* 10 Points)	Maximum Attainable Heat Rate (- 10 Points)
CRIST 6	10,624	10,305	10,943
CRIST 7	10,232	9,925	10,539
SMITH 1	10,190	9,884	10,496
SMITH 2	10,263	9,955	10,571
DANIEL 1	10,455	10,141	10,769
DANIEL 2	10,264	9,956	10,572

II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
 Target Equivalent Availabilities
 for January 1999 - December 1999

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR *	Planned Outage Hours for Jan '99 - Dec '99	Reserve Shutdown Hours for Jan '99 - Dec '99	Target Equivalent Availability **
Crist 6	0.0563	552	0	88.4
Crist 7	0.1199	552	0	82.5
Smith 1	0.0245	1,943	0	75.9
Smith 2	0.0469	600	0	88.8
Daniel 1	0.0932	935	0	81.0
Daniel 2	0.0691	1,727	0	74.7

* For Period July 1993 Through June 1998.

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

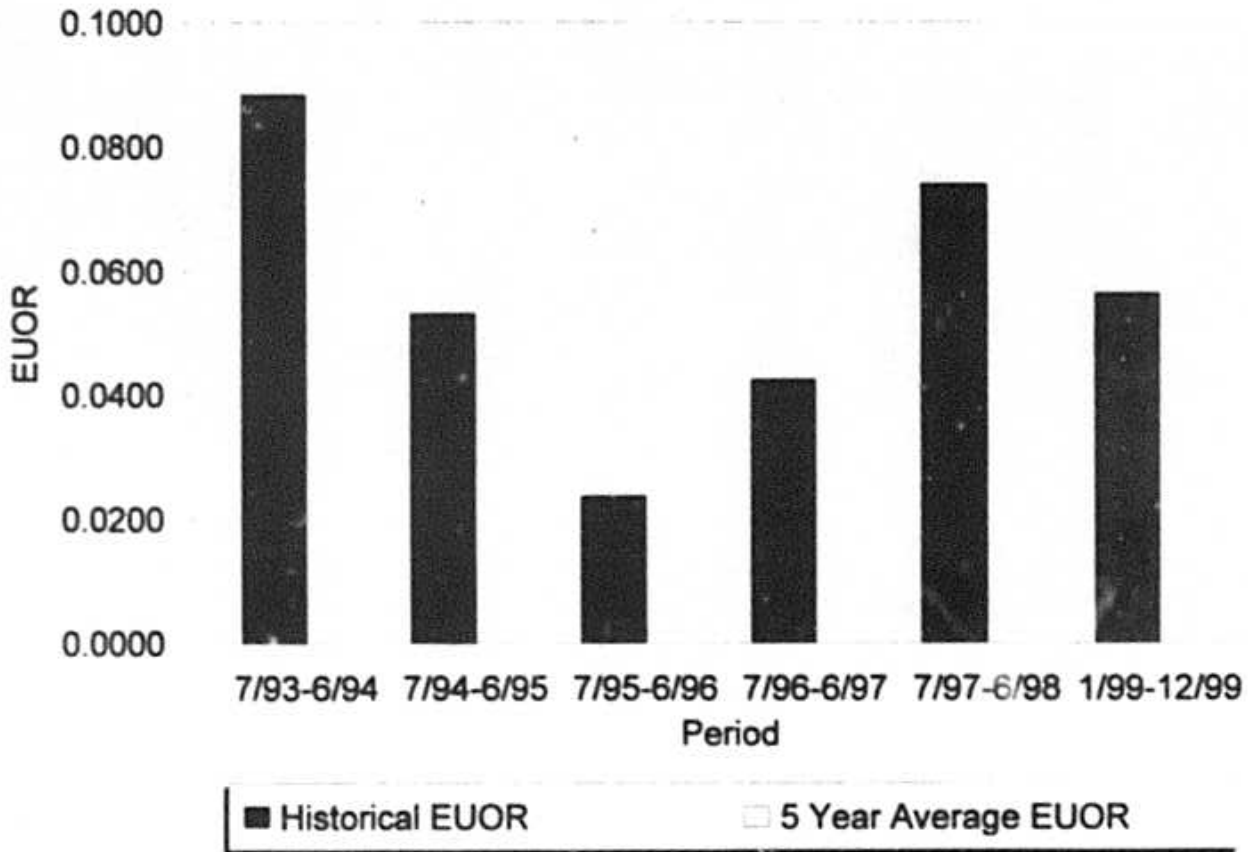
Calculation of Maximum and Minimum
Attainable Equivalent Availabilities
for January 1999 - December 1999

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	0.0563	0.0394	90.0	0.0816	86.1
Crist 7	0.1199	0.0839	85.8	0.1739	77.4
Smith 1	0.0245	0.0172	76.5	0.0355	75.1
Smith 2	0.0469	0.0328	90.1	0.0680	86.8
Daniel 1	0.0932	0.0652	83.5	0.1351	77.3
Daniel 2	0.0691	0.0484	76.4	0.1002	72.2

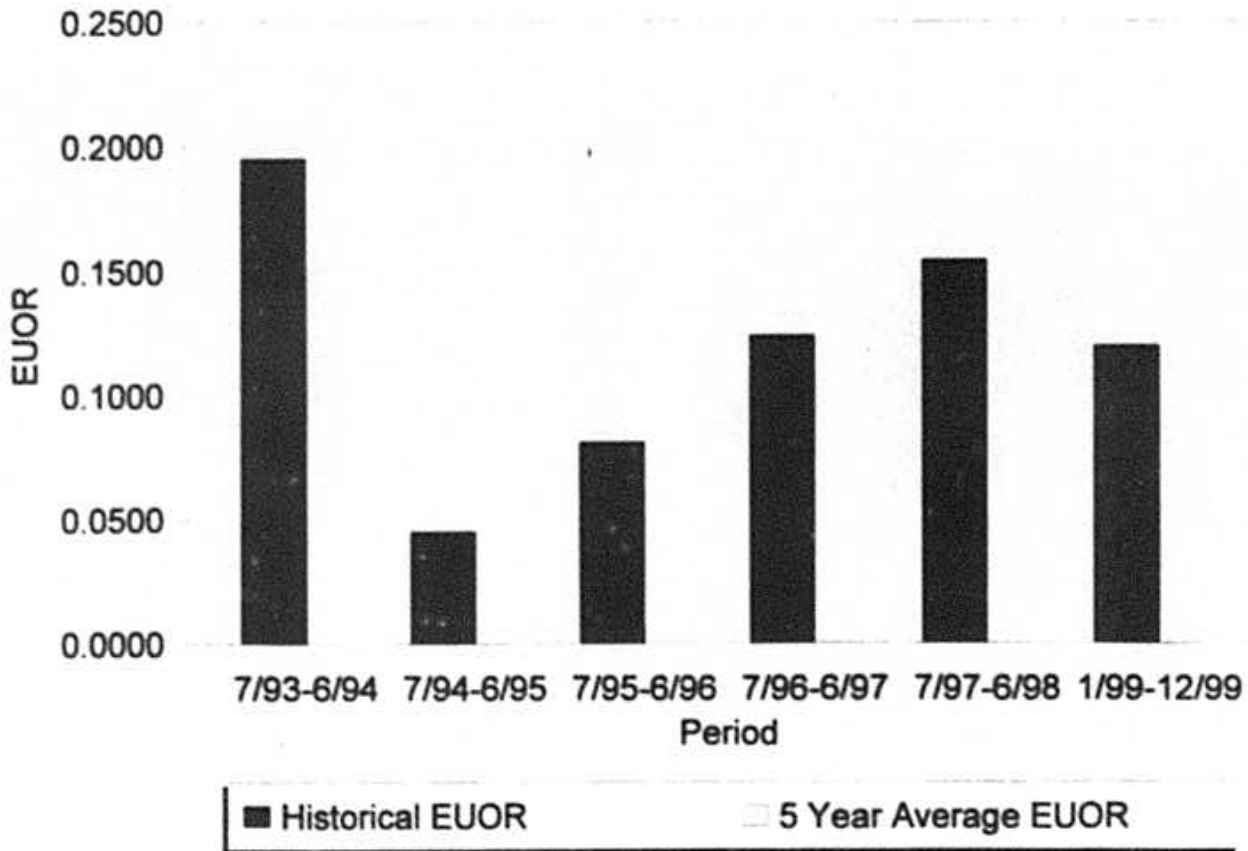
Summary of Target, Maximum, and Minimum
 Equivalent Availabilities
 for January 1999 - December 1999

Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Crist 6	88.4	90.0	86.1
Crist 7	82.5	85.8	77.4
Smith 1	75.9	76.5	75.1
Smith 2	88.8	90.1	86.8
Daniel 1	81.0	83.5	77.3
Daniel 2	74.7	76.4	72.2

EUOR VS. PERIOD
CRIST 6 January - December

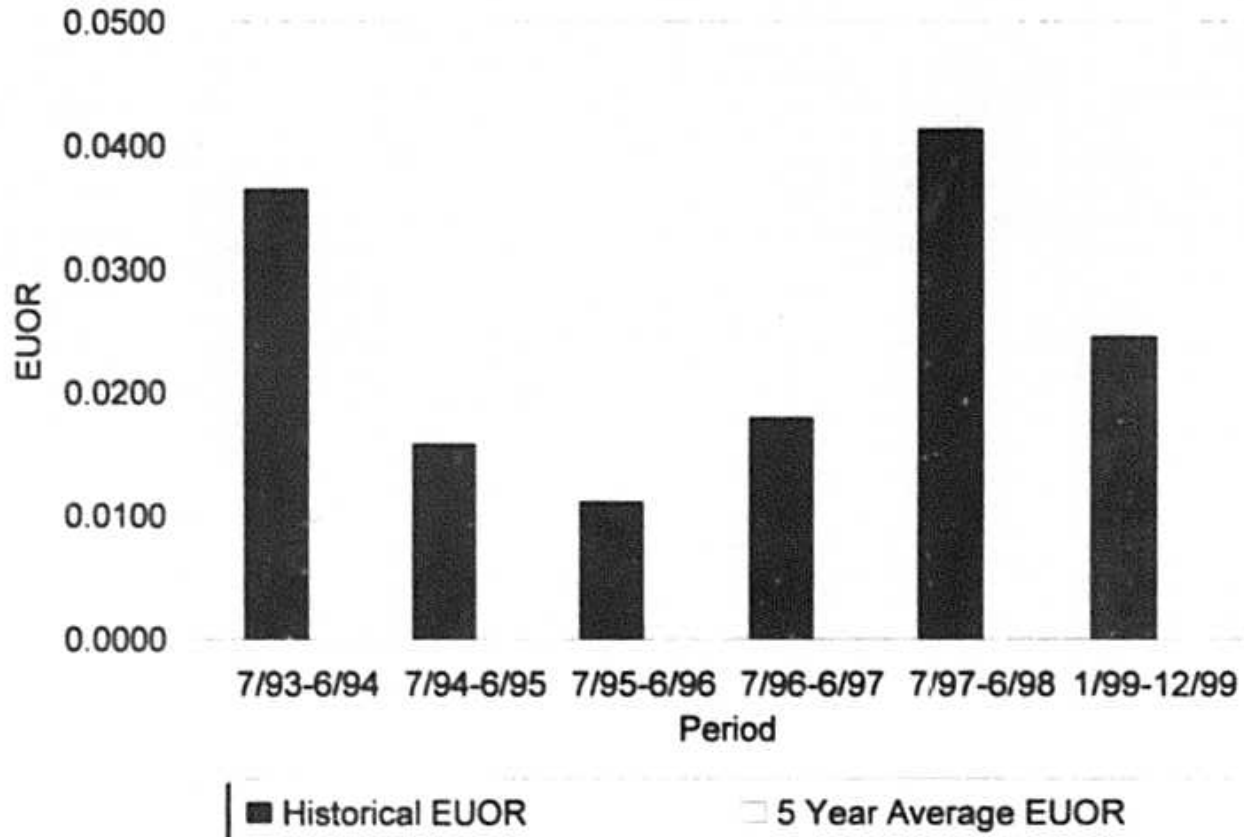


EUOR VS. PERIOD
CRIST 7 January - December



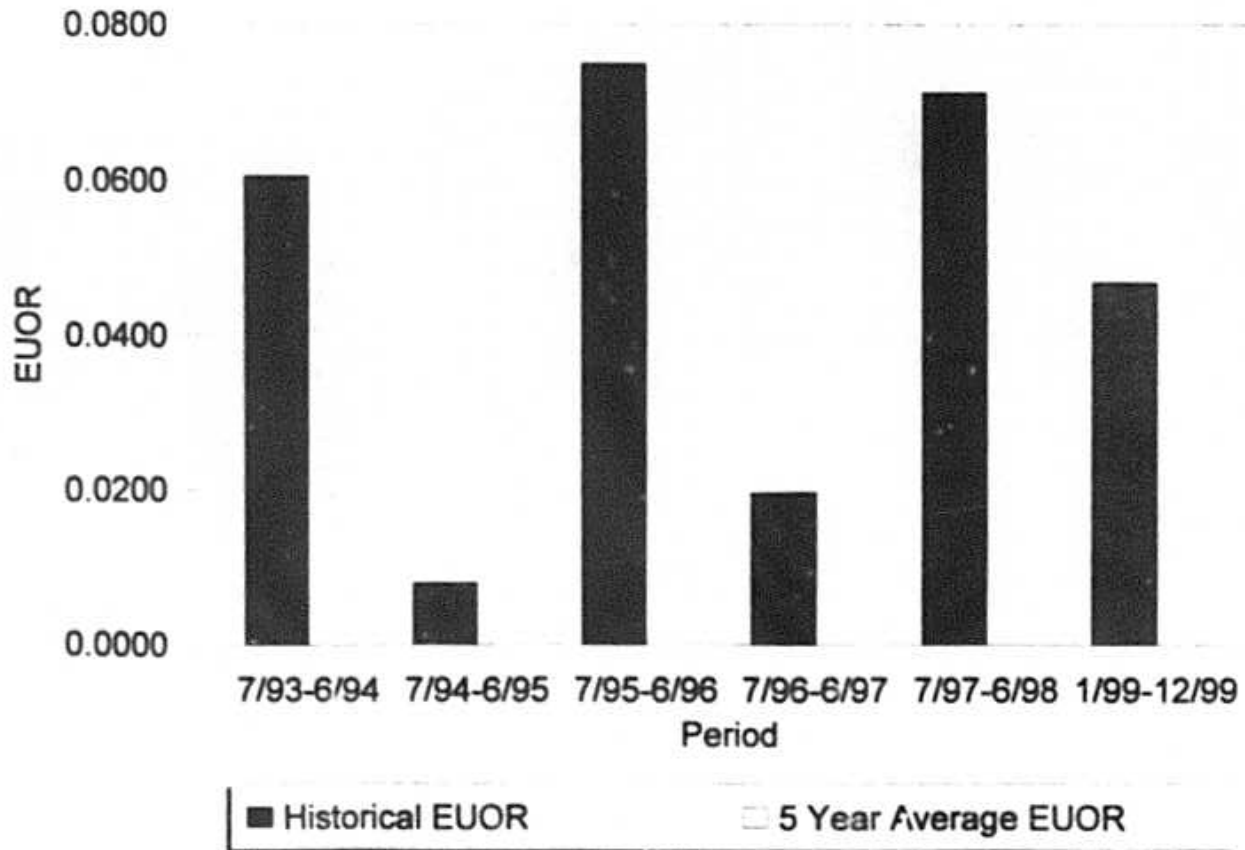
EUOR VS. PERIOD

SMITH 1 January - December

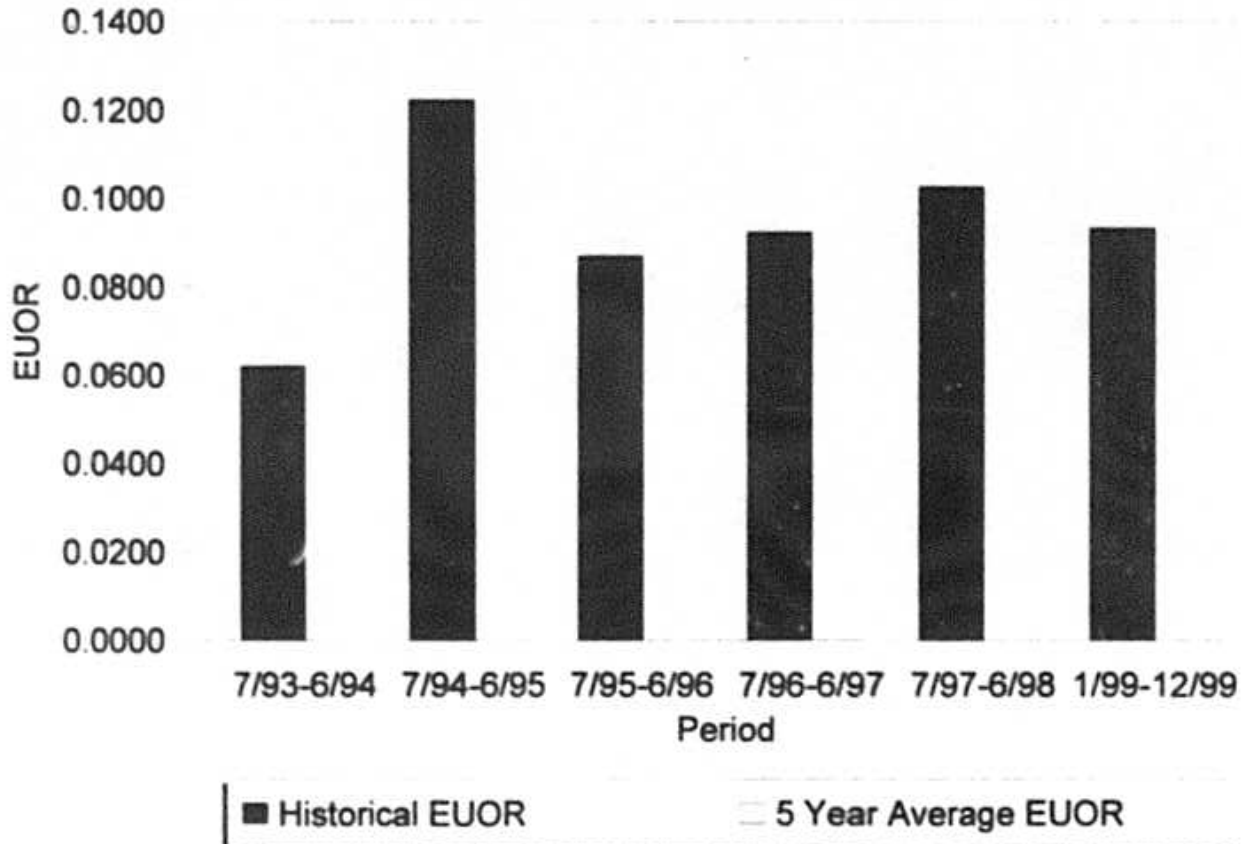


Florida Public Service Commission
Docket No. 980001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. (DPF-1)
Schedule 2
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EUOR VS. PERIOD
SMITH 2 January - December

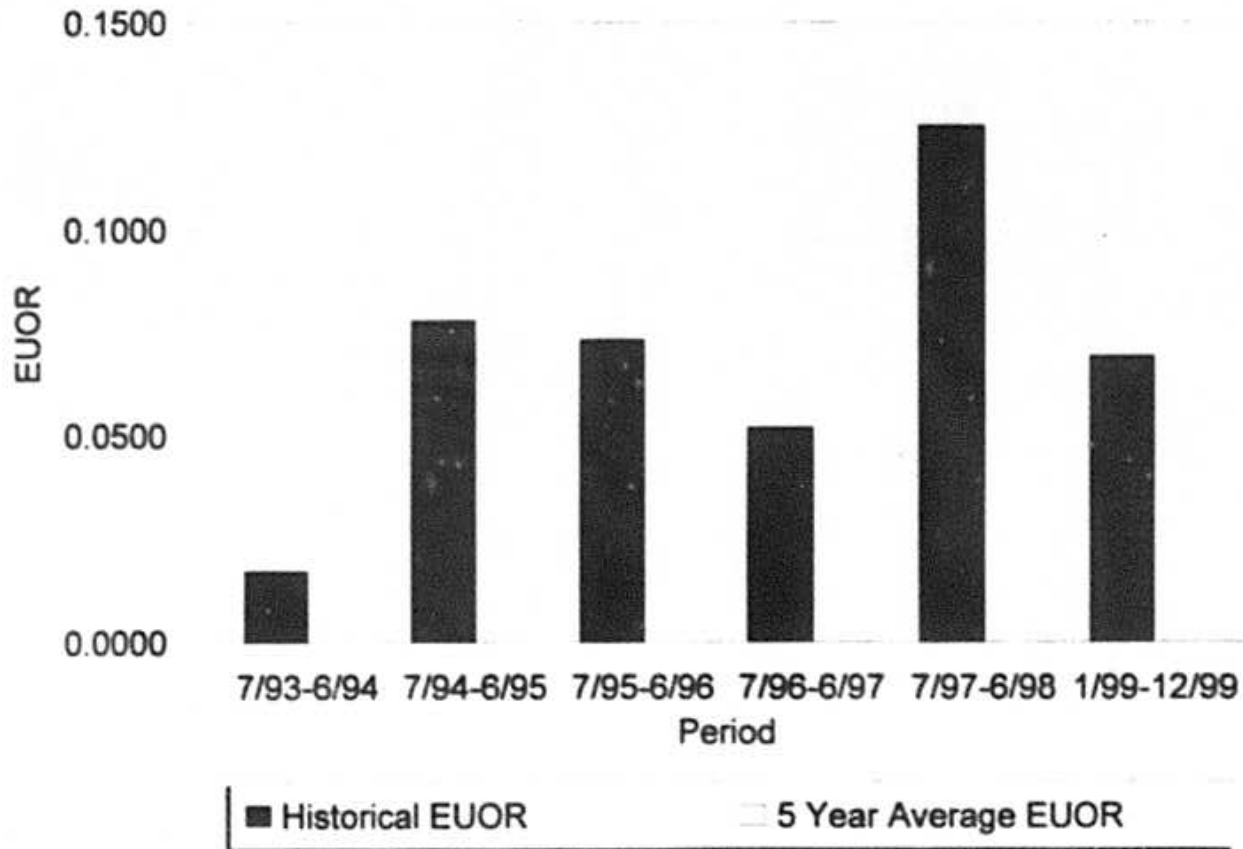


EUOR VS. PERIOD
DANIEL 1 January - December



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Gulf Power Company
Witness: G. D. Fontaine
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EUOR VS. PERIOD
DANIEL 2 January - December



III. GPIF MINIMUM FILING REQUIREMENTS FOR THE
PERIOD JANUARY 1999 - DECEMBER 1999

CONTENTS	SCHEDULE 3 PAGE
GPIF Reward/Penalty Table (Estimated)	3
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GPIF Target and Range Summary	5
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Derivation of Weighting Factors	10
GPIF Unit Point Tables	11 - 16
Estimated Unit Performance Data	17 - 29
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Generating Performance Incentive Factor

Estimated Reward/Penalty Table

Gulf Power Company

Period of: January 1999 - December 1999

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	7028	842
+ 9	6325	758
+ 8	5622	673
+ 7	4920	589
+ 6	4217	505
+ 5	3514	421
+ 4	2811	337
+ 3	2108	253
+ 2	1406	168
+ 1	703	84
0	0	0
- 1	-780	-84
- 2	-1559	-168
- 3	-2339	-253
- 4	-3118	-337
- 5	-3898	-421
- 6	-4678	-505
- 7	-5457	-589
- 8	-6237	-673
- 9	-7016	-758
- 10	-7796	-842
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

Issued by: T. J. Bowden

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Schedule 3Filed: October 12, 1998
Suspended:
Effective: January 1, 1999
Docket No.: 980001-EI
Order No.:

Generating Performance Incentive Factor
 Calculation of Maximum Allowed Incentive Dollars
 Estimated
 Gulf Power Company
 Period of: January 1999 - December 1999

Line 1	Beginning of Period Balance of Common Equity	\$427,113,000
	End of Month Balance of Common Equity:	
Line 2	Month of Jan '99	\$432,702,000
Line 3	Month of Feb '99	\$419,988,000
Line 4	Month of Mar '99	\$423,331,000
Line 5	Month of Apr '99	\$410,259,000
Line 6	Month of May '99	\$415,367,000
Line 7	Month of Jun '99	\$423,875,000
Line 8	Month of Jul '99	\$414,791,000
Line 9	Month of Aug '99	\$424,500,000
Line 10	Month of Sep '99	\$431,178,000
Line 11	Month of Oct '99	\$418,575,000
Line 12	Month of Nov '99	\$419,382,000
Line 13	Month of Dec '99	\$423,676,000
Line 14	Average Common Equity for the Period (sum of line 1 through line 13 divided by 13)	\$421,902,846
Line 15	25 Basis Points	0.0025
Line 16	Revenue Expansion Factor	60.4594%
Line 17	Maximum Allowed Incentive Dollars (line 14 multiplied by line 15 divided by line 16 multiplied by 0.5)	\$872,285
Line 18	Jurisdictional Sales (KWH)	9,637,000,000
Line 19	Total Territorial Sales (KWH)	9,987,000,000
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)	96.4954%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 multiplied by line 20)	\$841,715

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 Suspended:
 Effective: January 1, 1999
 Docket No.: 980001-EI
 Order No.:

GPIF Unit Performance Summary

Gulf Power Company

Period of: January 1999 - December 1999

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range		Max Fuel Savings (\$000)	Max Fuel Loss (\$000)
			Max %	Min %		
Crist 6	1.9%	88.4	90.0	86.1	\$132	(\$200)
Crist 7	9.2%	82.5	85.8	77.4	\$650	(\$1,026)
Smith 1	0.5%	75.9	76.5	75.1	\$37	(\$73)
Smith 2	2.6%	88.8	90.1	86.8	\$183	(\$240)
Daniel 1	5.3%	81.0	83.5	77.3	\$374	(\$509)
Daniel 2	3.5%	74.7	76.4	72.2	\$248	(\$344)

Plant & Unit	Weighting Factor %	ANOHR Target BTU/KWH	Target NOF	ANOHR Range		Max Fuel Savings (\$000)	Max Fuel Loss (\$000)
				Min BTU/KWH	Max BTU/KWH		
Crist 6	9.5%	10,624	70.7	10,305	10,943	\$665	(\$665)
Crist 7	20.1%	10,232	88.5	9,925	10,539	\$1,413	(\$1,413)
Smith 1	3.8%	10,190	99.4	9,884	10,496	\$265	(\$265)
Smith 2	5.4%	10,263	99.0	9,955	10,571	\$378	(\$378)
Daniel 1	19.8%	10,455	86.5	10,141	10,769	\$1,394	(\$1,394)
Daniel 2	18.3%	10,264	88.1	9,956	10,572	\$1,289	(\$1,289)

Issued by: T. J. Bowden

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Schedule 3Filed: October 12, 1998
Suspended:
Effective: January 1, 1999
Docket No.: 980001-EI
Order No.

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 1999 - December 1999

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target			Actual Performance 1st Prior Period Jul '97 - Jun '98			Actual Performance 2nd Prior Period Jul '96 - Jun '97		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 6	1.9%	8.1%	0.0630	0.0527	0.0563	0.1549	0.0593	0.0739	0.0273	0.0363	0.0424
Crist 7	9.2%	40.0%	0.0630	0.1123	0.1199	0.0721	0.1426	0.1545	0.1595	0.0985	0.1238
Smith 1	0.5%	2.3%	0.2218	0.0191	0.0245	0.0468	0.0394	0.0413	0.0647	0.0165	0.0179
Smith 2	2.6%	11.3%	0.0685	0.0436	0.0469	0.2248	0.0547	0.0713	0.0669	0.0181	0.0197
Daniel 1	5.3%	23.0%	0.1067	0.0832	0.0932	0.1325	0.0889	0.1025	0.1143	0.0817	0.0922
Daniel 2	3.5%	15.3%	0.1971	0.0555	0.0691	0.0235	0.1221	0.1251	0.0995	0.0468	0.0519
Weighted GPIF System Average:			0.0978	0.0822	0.0904	0.1019	0.1081	0.1195	0.1166	0.0708	0.0848

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 1999 - December 1999

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Jul '95 - Jun '96			Actual Performance 4th Prior Period Jul '94 - Jun '95			Actual Performance 5th Prior Period Jul '93 - Jun '94		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 6	1.9%	8.1%	0.1183	0.0176	0.0236	0.0000	0.0379	0.0531	0.2232	0.0653	0.0884
Crist 7	9.2%	40.0%	0.3446	0.0518	0.0809	0.0207	0.0353	0.0453	0.0540	0.1846	0.1951
Smith 1	0.5%	2.3%	0.0602	0.0105	0.0111	0.0411	0.0150	0.0158	0.2858	0.0239	0.0365
Smith 2	2.6%	11.3%	0.0580	0.0702	0.0750	0.0414	0.0072	0.0080	0.0404	0.0565	0.0606
Daniel 1	5.3%	23.0%	0.2291	0.0649	0.0869	0.0000	0.1086	0.1223	0.1225	0.0416	0.0620
Daniel 2	7.5%	15.3%	0.2586	0.0532	0.0731	0.0000	0.0674	0.0778	0.1317	0.0104	0.0174
Weighted GPIF System Average:			0.2477	0.0534	0.0742	0.0139	0.0537	0.0638	0.0991	0.0973	0.1099

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Average Net Operating Heat Rate

Gulf Power Company

Period of: January 1999 - December 1999

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Heat Rate Target	1st Prior Period	2nd Prior Period	3rd Prior Period
				Heat Rate Jul '97 - Jun '98	Heat Rate Jul '96 - Jun '97	Heat Rate Jul '95 - Jun '96
Crist 6	9.5%	12.3%	10,624	10,667	10,534	10,748
Crist 7	20.1%	26.1%	10,232	10,207	10,167	10,101
Smith 1	3.8%	4.9%	10,190	10,208	10,124	10,245
Smith 2	5.4%	7.0%	10,263	10,148	10,263	10,361
Daniel 1	19.8%	25.8%	10,455	10,469	10,477	10,429
Daniel 2	18.3%	23.9%	10,264	10,250	10,348	10,370
Weighted GPIF System Average:			10,346	10,337	10,340	10,407

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Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 6 Jul '96 - Jun '97

	Jul Jan	Aug Feb	Sep Mar	Oct Apr	Nov May	Dec Jun	
1. Target Heat Rate*	10610 10827	10604 10431	10651 10489	10436 10587	10807 10577	10926 10629	
2. Target Heat Rate at Actual Conditions**	10799 10964	10866 10757	10851 10779	10689 10723	10957 10697	11034 10887	
3. Adjustments to Actual Heat Rate (1-2)	-189 -137	-262 -326	-200 -290	-253 -136	-150 -120	-108 -258	
4. Actual Heat Rate for Prior Period	10527 10768	10629 10913	10598 10715	10709 10644	10785 10697	10941 11022	
5. Adjusted actual Heat Rate (4+3)	10338 10631	10367 10587	10398 10425	10456 10508	10635 10577	10833 10764	
6. Forecast Net MWH Generation*	172650 115750	174380 141430	156810 43410	166670 142650	127100 147060	103570 162200	
7. Adjusted Actual Heat Rate for Jul '96 - Jun '97 = ($\sum (5) \cdot (6)$) / ($\sum (6)$)							10,534

* For the January 1999 - December 1999 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: January 1999 - December 1999

Plant & Unit	Unit Performance Indicator	Production Cost Simulation Fuel Cost (\$000)			Weighting Factor (% of Savings)
		At Target (1)	At Maximum Improvement (2)	Savings (3)	
Crist 6	EA-1	\$177,473	\$177,341	\$132	1.9%
Crist 6	ANOHR-1	\$177,473	\$176,808	\$665	9.5%
Crist 7	EA-2	\$177,473	\$176,823	\$650	9.2%
Crist 7	ANOHR-2	\$177,473	\$176,060	\$1,413	20.1%
Smith 1	EA-3	\$177,473	\$177,436	\$37	0.5%
Smith 1	ANOHR-3	\$177,473	\$177,208	\$265	3.8%
Smith -	EA-4	\$177,473	\$177,290	\$183	2.6%
Smith 2	ANOHR-4	\$177,473	\$177,095	\$378	5.4%
Daniel 1	EA-5	\$177,473	\$177,099	\$374	5.3%
Daniel 1	ANOHR-5	\$177,473	\$176,079	\$1,394	19.8%
Daniel 2	EA-6	\$177,473	\$177,225	\$248	3.5%
Daniel 2	ANOHR-6	\$177,473	\$176,184	\$1,289	18.3%

- (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: January 1999 - December 1999

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	132	90.00	+ 10	665	10,305
+ 9	119	89.84	+ 9	599	10,329
+ 8	106	89.68	+ 8	532	10,354
+ 7	92	89.52	+ 7	466	10,378
+ 6	79	89.36	+ 6	399	10,403
+ 5	66	89.20	+ 5	333	10,427
+ 4	53	89.04	+ 4	266	10,451
+ 3	40	88.88	+ 3	200	10,476
+ 2	26	88.72	+ 2	133	10,500
+ 1	13	88.56	+ 1	67	10,525
0	0	88.40	0	0	10,549
- 1	(20)	88.17	- 1	(67)	10,573
- 2	(40)	87.94	- 2	(133)	10,598
- 3	(60)	87.71	- 3	(200)	10,622
- 4	(80)	87.48	- 4	(266)	10,647
- 5	(100)	87.25	- 5	(333)	10,671
- 6	(120)	87.02	- 6	(399)	10,696
- 7	(140)	86.79	- 7	(466)	10,720
- 8	(160)	86.56	- 8	(532)	10,745
- 9	(180)	86.33	- 9	(599)	10,769
- 10	(200)	86.10	- 10	(665)	10,794
Weighting Factor:		0.019	Weighting Factor:		0.095

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 1999 - December 1999

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	650	85.80	+ 10	1,413	9,925
+ 9	585	85.47	+ 9	1,272	9,948
+ 8	520	85.14	+ 8	1,130	9,971
+ 7	455	84.81	+ 7	989	9,995
+ 6	390	84.48	+ 6	848	10,018
+ 5	325	84.15	+ 5	707	10,041
+ 4	260	83.82	+ 4	565	10,064
+ 3	195	83.49	+ 3	424	10,087
+ 2	130	83.16	+ 2	283	10,111
+ 1	65	82.83	+ 1	141	10,134
0	0	82.50	0	0	10,157
- 1	(103)	81.99	- 1	(141)	10,232
- 2	(205)	81.48	- 2	(283)	10,307
- 3	(308)	80.97	- 3	(424)	10,330
- 4	(410)	80.46	- 4	(565)	10,353
- 5	(513)	79.95	- 5	(707)	10,377
- 6	(616)	79.44	- 6	(848)	10,400
- 7	(718)	78.93	- 7	(989)	10,423
- 8	(821)	78.42	- 8	(1,130)	10,446
- 9	(923)	77.91	- 9	(1,272)	10,469
- 10	(1,026)	77.40	- 10	(1,413)	10,493
	Weighting Factor:	0.092		Weighting Factor:	0.201

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 1999 - December 1999

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	37	76.50	+ 10	265	9.884
+ 9	33	76.44	+ 9	239	9.907
+ 8	30	76.38	+ 8	212	9.930
+ 7	26	76.32	+ 7	186	9.953
+ 6	22	76.26	+ 6	159	9.976
+ 5	19	76.20	+ 5	133	10.000
+ 4	15	76.14	+ 4	106	10.023
+ 3	11	76.08	+ 3	80	10.046
+ 2	7	76.02	+ 2	53	10.069
+ 1	4	75.96	+ 1	27	10.092
0	0	75.90	0	0	10.115
- 1	(7)	75.82	- 1	(27)	10.190
- 2	(15)	75.74	- 2	(53)	10.265
- 3	(22)	75.66	- 3	(80)	10.288
- 4	(29)	75.58	- 4	(106)	10.311
- 5	(37)	75.50	- 5	(133)	10.334
- 6	(44)	75.42	- 6	(159)	10.357
- 7	(51)	75.34	- 7	(186)	10.381
- 8	(58)	75.26	- 8	(212)	10.404
- 9	(66)	75.18	- 9	(239)	10.427
- 10	(73)	75.10	- 10	(265)	10.450
Weighting Factor:		0.005	Weighting Factor:		0.038

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 1999 - December 1999

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	183	90.10	+ 10	378	9.955
+ 9	165	89.97	+ 9	340	9.978
+ 8	146	89.84	+ 8	302	10.002
+ 7	128	89.71	+ 7	265	10.025
+ 6	110	89.58	+ 6	227	10.048
+ 5	92	89.45	+ 5	189	10.072
+ 4	73	89.32	+ 4	151	10.095
+ 3	55	89.19	+ 3	113	10.118
+ 2	37	89.06	+ 2	76	10.141
+ 1	18	88.93	+ 1	38	10.165
0	0	88.80	0	0	10.188
- 1	(24)	88.60	- 1	(38)	10.263
- 2	(48)	88.40	- 2	(76)	10.338
- 3	(72)	88.20	- 3	(113)	10.361
- 4	(96)	88.00	- 4	(151)	10.385
- 5	(120)	87.80	- 5	(189)	10.408
- 6	(144)	87.60	- 6	(227)	10.431
- 7	(168)	87.40	- 7	(265)	10.455
- 8	(192)	87.20	- 8	(302)	10.478
- 9	(216)	87.00	- 9	(340)	10.501
- 10	(240)	86.80	- 10	(378)	10.524
Weighting Factor:		0.026	Weighting Factor:		0.054

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 1999 - December 1999

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	374	83.50	+ 10	1,394	10,141
+ 9	337	83.25	+ 9	1,255	10,165
+ 8	299	83.00	+ 8	1,115	10,189
+ 7	262	82.75	+ 7	976	10,213
+ 6	224	82.50	+ 6	836	10,237
+ 5	187	82.25	+ 5	697	10,261
+ 4	150	82.00	+ 4	558	10,284
+ 3	112	81.75	+ 3	418	10,308
+ 2	75	81.50	+ 2	279	10,332
+ 1	37	81.25	+ 1	139	10,356
0	0	81.00	0	0	10,380
- 1	(51)	80.63	- 1	(139)	10,455
- 2	(102)	80.26	- 2	(279)	10,530
- 3	(153)	79.89	- 3	(418)	10,554
- 4	(204)	79.52	- 4	(558)	10,578
- 5	(255)	79.15	- 5	(697)	10,602
- 6	(305)	78.78	- 6	(836)	10,626
- 7	(356)	78.41	- 7	(976)	10,650
- 8	(407)	78.04	- 8	(1,115)	10,673
- 9	(458)	77.67	- 9	(1,255)	10,697
- 10	(509)	77.30	- 10	(1,394)	10,721
Weighting Factor:		0.053	Weighting Factor:		0.198

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 1999 - December 1999

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	248	76.40	+ 10	1,289	9,956
+ 9	223	76.23	+ 9	1,160	9,979
+ 8	198	76.06	+ 8	1,031	10,003
+ 7	174	75.89	+ 7	902	10,026
+ 6	149	75.72	+ 6	773	10,049
+ 5	124	75.55	+ 5	645	10,073
+ 4	99	75.38	+ 4	516	10,096
+ 3	74	75.21	+ 3	387	10,119
+ 2	50	75.04	+ 2	258	10,142
+ 1	25	74.87	+ 1	129	10,166
0	0	74.70	0	0	10,189
- 1	(34)	74.45	- 1	(129)	10,264
- 2	(69)	74.20	- 2	(258)	10,339
- 3	(103)	73.95	- 3	(387)	10,362
- 4	(138)	73.70	- 4	(516)	10,386
- 5	(172)	73.45	- 5	(645)	10,409
- 6	(206)	73.20	- 6	(773)	10,432
- 7	(241)	72.95	- 7	(902)	10,456
- 8	(275)	72.70	- 8	(1,031)	10,479
- 9	(310)	72.45	- 9	(1,160)	10,502
- 10	(344)	72.20	- 10	(1,289)	10,525
Weighting Factor:		0.035	Weighting Factor:		0.183

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 1999 - December 1999

CRIST 6	Jan '99	Feb '99	Mar '99	Apr '99	May '99	Jun '99
1. EAF (%)	87.1	93.0	24.3	96.4	96.4	96.4
2. POF (%)	0.0	0.0	74.2	0.0	0.0	0.0
3. EUOF (%)	12.9	7.0	1.5	3.6	3.6	3.6
4. EUOR (%)	12.9	7.0	5.7	3.6	3.6	3.6
5. PH	744.0	672.0	744.0	719.0	744.0	720.0
6. SH	648.0	625.0	185.0	693.0	717.0	694.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	96.0	47.0	559.0	26.0	27.0	26.0
9. POH	0.0	0.0	552.0	0.0	0.0	0.0
10. FOH & EPOH	24.0	23.0	11.0	26.0	27.0	26.0
11. MOH & EMOH	72.0	24.0	0.0	0.0	0.0	0.0
12. Oper MBtu	1253225.0	1475256.0	455327.0	1510236.0	1555454.0	1724024.0
13. Net Gen (MWH)	115750.0	141430.0	43410.0	142650.0	147060.0	162200.0
14. ANOHR (Btu/KWH)	10827.0	10431.0	10489.0	10587.0	10577.0	10629.0
15. NOF %	59.1	74.9	77.7	68.2	67.9	77.4
16. NPC (MW)	302.0	302.0	302.0	302.0	302.0	302.0
19. ANOHR Equation	10% / AKW * [150.42 - 49.59 * FEB - 32.29 * MAR - 26.52 * APR - 29.06 * MAY - 45.84 * OCT]					
	+ 9.985					

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GULF POWER COMPANY

PERIOD OF: January 1999 - December 1999

CRIST 6	Jul '99	Aug '99	Sep '99	Oct '99	Nov '99	Dec '99	Total
1. EAF (%)	96.4	96.4	96.4	96.4	96.4	87.1	88.4
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	6.3
3. EUOP (%)	3.6	3.6	3.6	3.6	3.6	12.9	5.3
4. EUOR (%)	3.6	3.6	3.6	3.6	3.6	12.9	5.6
5. PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6. SH	717.0	717.0	694.0	718.0	694.0	648.0	7750.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	27.0	27.0	26.0	27.0	26.0	96.0	1010.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	552.0
10. FOH & EPOH	27.0	27.0	26.0	27.0	26.0	24.0	294.0
11. MOH & EMOH	0.0	0.0	0.0	0.0	0.0	72.0	168.0
12. Oper MBtu	1831817.0	1849126.0	1670183.0	1739368.0	1373570.0	1131606.0	17569192.0
13. Net Gen (MWH)	172650.0	174380.0	156810.0	166670.0	127100.0	103570.0	1653680.0
14. ANOHR (Btu/KWH)	10610.0	10604.0	10651.0	10436.0	10807.0	10926.0	10624.0
15. NOP %	79.7	80.5	74.8	76.9	60.6	52.9	70.7
16. NPC (MW)	302.0	302.0	302.0	302.0	302.0	302.0	302.0
19. ANOHR Equation	10% / AKW * [150 42 - 48 59 * FEB - 32 29 * MAR - 26 52 * APR - 29 06 * MAY - 45 84 * OCT]						
	+ 9.985						

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GULF POWER COMPANY

PERIOD OF: January 1999 - December 1999

CRIST 7	Jan '99	Feb '99	Mar '99	Apr '99	May '99	Jun '99
1. EAF (%)	84.8	22.2	90.7	75.5	90.7	90.7
2. POF (%)	6.5	75.0	0.0	0.0	0.0	0.0
3. EUOF (%)	8.7	2.8	9.3	24.5	9.3	9.3
4. EUOR (%)	9.3	11.3	9.3	24.5	9.3	9.3
5. PH	744.0	672.0	744.0	719.0	744.0	720.0
6. SH	631.0	152.0	675.0	543.0	675.0	653.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	113.0	520.0	69.0	176.0	69.0	67.0
9. POH	48.0	504.0	0.0	0.0	0.0	0.0
10. FOH & EFOH	65.0	19.0	69.0	56.0	69.0	67.0
11. MOH & EMOH	0.0	0.0	0.0	120.0	0.0	0.0
12. Oper MBtu	2768044.0	714975.0	2986272.0	2293043.0	2943397.0	3015615.0
13. Net Gen (MWH)	271910.0	70580.0	293520.0	224610.0	277810.0	297310.0
14. ANOHR (Btu/KWH)	10180.0	10130.0	10174.0	10209.0	10595.0	10143.0
15. NOP %	87.1	93.8	87.8	83.6	83.1	92.0
16. NPC (MW)	495.0	495.0	495.0	495.0	495.0	495.0
19. ANOHR Equation	10% / AKW * [299.56 + 157.29 * MAY + 93.18 * JUL + 45.08 * AUG]					
	+ 9.485					

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GULF POWER COMPANY

PERIOD OF: January 1999 - December 1999

CRIST 7	Jul '99	Aug '99	Sep '99	Oct '99	Nov '99	Dec '99	Total
1. EAF (%)	90.7	90.7	90.7	76.1	90.7	90.7	82.5
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	6.3
3. EUOP (%)	9.3	9.3	9.3	23.9	9.3	9.3	11.2
4. EUOR (%)	9.3	9.3	9.3	23.9	9.3	9.3	12.0
5. PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6. SH	675.0	675.0	653.0	567.0	653.0	675.0	7227.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	69.0	69.0	67.0	178.0	67.0	69.0	1533.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	552.0
10. POH & EPOH	69.0	69.0	67.0	58.0	67.0	69.0	744.0
11. MOH & EMOH	0.0	0.0	0.0	120.0	0.0	0.0	240.0
12. Oper MBtu	3218837.0	3261215.0	2916811.0	2691972.0	2899854.0	2672067.0	32382102.0
13. Net Gen (MWH)	311420.0	319320.0	286890.0	265900.0	285110.0	260410.0	3164790.0
14. ANOHR (Btu/KWH)	10336.0	10213.0	10167.0	10124.0	10171.0	10261.0	10232.0
15. NOF %	93.2	95.6	88.8	94.7	88.2	77.9	88.5
16. NPC (MW)	495.0	495.0	495.0	495.0	495.0	495.0	495.0
19. ANOHR Equation	10% / AKW * [299.56 + 157.29 * MAY + 93.18 * JUL + 45.08 * AUG]						
	+ 9.485						

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GULF POWER COMPANY

PERIOD OF: January 1999 - December 1999

SMITH 1	Jan '99	Feb '99	Mar '99	Apr '99	May '99	Jun '99
1. EAF (%)	98.4	17.6	0.0	38.2	98.4	98.3
2. POF (%)	0.0	82.1	100.0	59.9	0.0	0.0
3. EUOP (%)	1.6	0.3	0.0	1.9	1.6	1.7
4. EUOR (%)	1.6	1.7	0.0	4.5	1.6	1.7
5. PH	744.0	672.0	744.0	719.0	744.0	720.0
6. SH	732.0	118.0	0.0	283.0	732.0	708.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	12.0	554.0	744.0	436.0	12.0	12.0
9. POH	0.0	552.0	744.0	431.0	0.0	0.0
10. FOH & EPOH	12.0	2.0	0.0	13.0	12.0	12.0
11. MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0
12. Oper MBtu	1214650.0	196393.0	0.0	462781.0	1196618.0	1166066.0
13. Net Gen (MWH)	118410.0	19110.0	0.0	45500.0	117650.0	114680.0
14. ANOHR (Btu/KWH)	10258.0	10277.0	-	10171.0	10171.0	10168.0
15. NOF %	99.9	100.0	0.0	99.2	99.2	100.0
16. NPC (MW)	162.0	162.0	162.0	162.0	162.0	162.0
19. ANOHR Equation	10% / AKW * [63.65 * JAN + 14.44 * FEB + 17.67 * MAR + 11.92 * JUL]					
	+ 9.775					

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 1999 - December 1999

SMITH 1	Jul '99	Aug '99	Sep '99	Oct '99	Nov '99	Dec '99	Total
1. EAF (%)	98.4	98.4	78.6	82.6	98.3	98.4	75.9
2. POF (%)	0.0	0.0	20.0	9.7	0.0	0.0	22.2
3. EUOP (%)	1.6	1.6	1.4	7.7	1.7	1.6	1.9
4. EUOR (%)	1.6	1.6	1.7	8.6	1.7	1.6	2.4
5. PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6. SH	732.0	732.0	566.0	615.0	708.0	732.0	6658.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	12.0	12.0	154.0	130.0	12.0	12.0	2102.0
9. POH	0.0	0.0	144.0	72.0	0.0	0.0	1943.0
10. FOH & EFOH	12.0	12.0	10.0	10.0	12.0	12.0	119.0
11. MOH & EMOH	0.0	0.0	0.0	48.0	0.0	0.0	48.0
12. Oper MBtu	1213677.0	1204908.0	932101.0	1010697.0	1164452.0	1165330.0	10927673.0
13. Net Gen (MWH)	118500.0	118500.0	91670.0	99390.0	114510.0	114450.0	1072370.0
14. ANOHR (Btu/KWH)	10242.0	10168.0	10168.0	10169.0	10169.0	10182.0	10190.0
15. NOP %	99.9	99.9	100.0	99.8	99.8	96.5	99.4
16. NPC (MW)	162.0	162.0	162.0	162.0	162.0	162.0	162.0
19. ANOHR Equation	10% / AKW * [63.65 + 14.44 * JAN + 17.67 * FEB + 12.53 * MAR + 11.92 * JUL]						
	+ 9.775						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 1999 - December 1999

SMITH 2	Jan '99	Feb '99	Mar '99	Apr '99	May '99	Jun '99
1. EAF (%)	96.0	96.0	96.0	96.0	45.4	96.0
2. POF (%)	0.0	0.0	0.0	0.0	51.6	0.0
3. EUOF (%)	4.0	4.0	4.0	4.0	3.0	4.0
4. EUOR (%)	4.0	4.0	4.0	4.0	6.1	4.0
5. PH	744.0	672.0	744.0	719.0	744.0	720.0
6. SH	714.0	645.0	714.0	690.0	345.0	691.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	30.0	27.0	30.0	29.0	399.0	29.0
9. POH	0.0	0.0	0.0	0.0	384.0	0.0
10. FOH & EPOH	30.0	27.0	30.0	29.0	22.0	29.0
11. SOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0
12. Oper MBtu	1411411.0	1267652.0	1427978.0	1334696.0	670461.0	1358205.0
13. Net Gen (MWH)	137190.0	124170.0	136950.0	130750.0	65680.0	133040.0
14. ANOHR (Btu/KWH)	10288.0	10209.0	10427.0	10208.0	10208.0	10209.0
15. NOF %	99.6	99.7	99.4	98.2	98.6	99.8
16. NPC (MW)	193.0	193.0	193.0	193.0	193.0	193.0
19. ANOHR Equation	10% / AKW * [-14.48 + 15.27 * JAN + 41.91 * MAR + 30.74 * JUL + 25.75 * AUG]					
	+ 10.284					

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GULF POWER COMPANY

PERIOD OF: January 1999 - December 1999

SMITH 2	Jul '99	Aug '99	Sep '99	Oct '99	Nov '99	Dec '99	Total
1. EAF (%)	96.0	96.0	96.0	89.8	67.2	96.0	88.8
2. POF (%)	0.0	0.0	0.0	0.0	30.0	0.0	6.8
3. EUOF (%)	4.0	4.0	4.0	10.2	2.8	4.0	4.4
4. EUOR (%)	4.0	4.0	4.0	10.2	4.0	4.0	4.7
5. PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6. SH	714.0	714.0	691.0	669.0	484.0	714.0	7785.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	30.0	30.0	29.0	76.0	236.0	30.0	975.0
9. POH	0.0	0.0	0.0	0.0	216.0	0.0	600.0
10. FOH & EFOH	30.0	30.0	29.0	28.0	20.0	30.0	334.0
11. MOH & EMOH	0.0	0.0	0.0	48.0	0.0	0.0	48.0
12. Oper MBtu	1425393.0	1421956.0	1355653.0	1312979.0	948416.0	1331957.0	15266757.0
13. Net Gen (MWH)	137480.0	137480.0	132790.0	128610.0	92900.0	130520.0	1487560.0
14. ANOHR (Btu/KWH)	10368.0	10343.0	10209.0	10209.0	10209.0	10205.0	10263.0
15. NOF %	99.8	99.8	99.6	99.6	99.5	94.7	99.0
16. NPC (MW)	193.0	193.0	193.0	193.0	193.0	193.0	193.0
19. ANOHR Equation	$10\% / AKW * [-14.48 + 15.27 * JAN + 41.91 * MAR + 30.74 * JUL + 25.75 * AUG]$ $+ 10.284$						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 1999 - December 1999

DANIEL 1	Jan '99	Feb '99	Mar '99	Apr '99	May '99	Jun '99
1. EAF (%)	94.8	94.8	79.6	15.4	94.8	94.9
2. POF (%)	0.0	0.0	16.1	83.3	0.0	0.0
3. EUOF (%)	5.2	5.2	4.3	1.2	5.2	5.1
4. EUOR (%)	5.2	5.2	5.1	7.5	5.2	5.1
5. PH	744.0	672.0	744.0	719.0	744.0	720.0
6. SH	705.0	637.0	592.0	114.0	705.0	683.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	39.0	35.0	152.0	605.0	39.0	37.0
9. POH	0.0	0.0	120.0	599.0	0.0	0.0
10. FOH & EFOH	39.0	35.0	32.0	9.0	39.0	37.0
11. MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0
12. Oper MBtu	2964886.0	2864304.0	2488151.0	472949.0	2841574.0	3016356.0
13. Net Gen (MWH)	282990.0	275070.0	240030.0	45090.0	270240.0	289200.0
14. ANOHR (Btu/KWH)	10477.0	10413.0	10366.0	10489.0	10515.0	10430.0
15. NOF %	84.0	90.3	84.8	82.7	80.2	88.6
16. NPC (MW)	478.0	478.0	478.0	478.0	478.0	478.0
19. ANOHR Equation	$10^6 / AKW * [-39.35 - 41.46 * MAR + 60.97 * OCT]$ $+ 12.144 - 0.00374 * LSRF / AKW$					

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GULF POWER COMPANY

PERIOD OF: January 1999 - December 1999

DANIEL 1	Jul '99	Aug '99	Sep '99	Oct '99	Nov '99	Dec '99	Total
1. EAF (%)	94.8	94.8	66.4	94.8	72.6	73.4	81.0
2. POF (%)	0.0	0.0	30.0	0.0	0.0	0.0	10.7
3. EUOP (%)	5.2	5.2	3.6	5.2	27.4	26.6	8.3
4. EUOR (%)	5.2	5.2	5.2	5.2	27.4	26.6	9.3
5. PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6. SH	705.0	705.0	478.0	706.0	523.0	546.0	7099.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	39.0	39.0	242.0	39.0	197.0	198.0	1662.0
9. POH	0.0	0.0	216.0	0.0	0.0	0.0	935.0
10. FOH & EFOH	39.0	39.0	26.0	39.0	29.0	30.0	393.0
11. MOH & EMOH	0.0	0.0	0.0	0.0	168.0	168.0	336.0
12. Oper MBtu	3171175.0	3256532.0	2061541.0	3257598.0	2226638.0	2058318.0	30680022.0
13. Net Gen (MWH)	304540.0	313520.0	197220.0	309070.0	212770.0	194640.0	2934380.0
14. ANOHR (Btu/KWh)	10413.0	10387.0	10453.0	10540.0	10465.0	10575.0	10455.0
15. NOF %	90.4	93.0	86.3	91.6	85.1	74.6	86.5
16. NPC (MW)	478.0	478.0	478.0	478.0	478.0	478.0	478.0
19. ANOHR Equation	10% / AKW * [-39 36 - 41 46 * MAR + 60 97 * OCT]						
	* 12.144 - 0.00374 * LSRF / AKW						

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GULF POWER COMPANY

PERIOD OF: January 1999 - December 1999

DANIEL 2	Jan '99	Feb '99	Mar '99	Apr '99	May '99	Jun '99
1. EAF (%)	96.5	17.3	0.0	21.7	96.5	96.4
2. POF (%)	0.0	82.1	100.0	59.9	0.0	0.0
3. EUOP (%)	3.5	0.6	0.0	18.4	3.5	3.6
4. EUOR (%)	3.5	3.3	0.0	45.8	3.5	3.6
5. PH	744.0	672.0	744.0	719.0	744.0	720.0
6. SH	718.0	116.0	0.0	162.0	718.0	694.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	26.0	556.0	744.0	557.0	26.0	26.0
9. POH	0.0	552.0	744.0	431.0	0.0	0.0
10. FOH & EFOH	26.0	4.0	0.0	12.0	26.0	26.0
11. MOH & EMOH	0.0	0.0	0.0	120.0	0.0	0.0
12. Oper MBtu	3031865.0	526046.0	0.0	678296.0	2920469.0	3097759.0
13. Net Gen (MWh)	298500.0	51950.0	0.0	65720.0	282280.0	301720.0
14. ANOHR (Btu/KWH)	10157.0	10126.0	-	10321.0	10346.0	10267.0
15. NOF %	87.0	93.7	0.0	84.9	82.2	91.0
16. NPC (MW)	478.0	478.0	478.0	478.0	478.0	478.0
19. ANOHR Equation	10% / AKW * [6076 - 80.56 * JAN - 52.82 * FEB - 44.61 * MAR - 37.43 * OCT] + 11,284 - 0.00261 * LSRF / AKW					

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GULF POWER COMPANY

PERIOD OF: January 1999 - December 1999

DANIEL 2	Jul '99	Aug '99	Sep '99	Oct '99	Nov '99	Dec '99	Total
1. EAF (%)	96.5	96.5	96.4	80.9	96.4	96.5	74.7
2. POP (%)	0.0	0.0	0.0	0.0	0.0	0.0	19.7
3. EUOP (%)	3.5	3.5	3.6	19.1	3.6	3.5	5.6
4. EUOR (%)	3.5	3.5	3.6	19.1	3.6	3.5	6.9
5. PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6. SH	718.0	718.0	694.0	603.0	694.0	718.0	6553.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	26.0	26.0	26.0	142.0	26.0	26.0	2207.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	1727.0
10. FOH & EPOH	26.0	26.0	26.0	22.0	26.0	26.0	246.0
11. MOH & EMOH	0.0	0.0	0.0	120.0	0.0	0.0	240.0
12. Oper MBtu	3262300.0	3341669.0	2998007.0	2749025.0	2994695.0	2737959.0	28338090.0
13. Net Gen (MWH)	318180.0	326590.0	291210.0	270600.0	290860.0	263240.0	2760850.0
14. ANOHR (Btu/KWH)	10253.0	10232.0	10295.0	10159.0	10296.0	10401.0	10264.0
15. NOF %	92.7	95.2	87.8	93.9	87.7	76.7	88.1
16. NPC (MW)	478.0	478.0	478.0	478.0	478.0	478.0	478.0
19. ANOHR Equation	$10^6 / AKW * [60.76 - 60.56 * JAN - 52.82 * FEB - 44.61 * MAR - 37.43 * OCT]$ $+ 11.284 - 0.00261 * LSRF / AKW$						

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Planned Outage Schedules (Estimated)

Gulf Power Company

Period of: January 1999 - December 1999

Plant & Unit	Planned Outage Dates	Reason for Outage
Crist 6	03/06/99 - 03/28/99	Annual general boiler maintenance and inspection.
Crist 7	01/30/99 - 02/21/99	Annual general boiler maintenance and inspection.
Smith 1	02/06/99 - 04/18/99	General turbine & boiler maintenance and inspection.
Smith 1	09/25/99 - 10/03/99	Semi-annual general boiler maintenance and inspection.
Smith 2	05/15/99 - 05/30/99	Semi-annual general boiler maintenance and inspection.
Smith 2	11/13/99 - 11/21/99	Semi-annual general boiler maintenance and inspection.
Daniel 1	03/27/99 - 04/25/99	Precipitator wash, maintenance and inspection.
Daniel 1	09/18/99 - 09/26/99	Semi-annual general boiler maintenance and inspection.
Daniel 2	02/06/99 - 04/18/99	General boiler maintenance and inspection.

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Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: January 1999 - December 1999

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 January 1999 - December 1999, 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	03/11/2000 - 05/21/2000	General turbine & boiler maintenance and inspection.

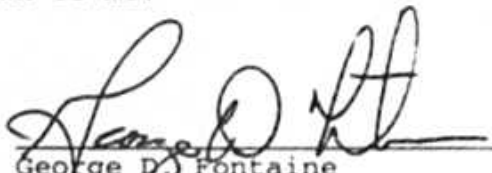
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AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 980001-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 for 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 1st day of October, 1998.


Notary Public, State of Florida at Large

