

Ms. Blanca S. Bayo
January 13, 1995
Page Two

00630-95
5.

Prepared direct testimony and exhibit of
S. D. Cranmer.

- Schedule E1: Fuel and Purchased Power Cost Recovery Clause Calculation
- Schedule E2: Fuel and Purchased Power Cost Recovery Clause Calculation
- Schedule E3: Generating System Comparative Data by Fuel Type
- Schedule E4: System Net Generation and Fuel Costs
- Schedule E-5: System Generated Fuel Cost Inventory Analysis
- Schedule E-6: Power Sold
- Schedule E-7: Purchased Power (Exclusive of Economy Energy Purchases)
- Schedule E-8: Energy Payment to Qualifying Facilities
- Schedule E-9: Economy Energy Purchases
- Schedule E-10: Residential Bill Comparison for Monthly Usage of 1000 KWH
- Schedule 11: As-Available Avoided Energy Cost
- Schedule 12: Special Contract Recovery Calculations
- Schedule H1: Generating System Comparative Data by Fuel Type
- Schedule CCE-1: Purchased Power Capacity Payments/ (Receipts)
- Schedule CCE-2: Calculation of Purchased Power Capacity Cost Recovery Factor

Jack I. Hopkins

Ms. Blanca S. Bayo
January 13, 1995
Page Three

*Forwarded
to Linda
for
transcript*
In addition to the schedules attached to the testimony, enclosed is one copy for the hearing record of Schedules A1 through A12 previously filed with the Commission for the months of June, July, August, September, October, and November 1994. These schedules are identified as part of Ms. Cranmer's composite exhibit SDC-2.

Also enclosed is a 3.5 inch double sided, double density diskette containing the Petition in WordPerfect for Windows 6.0a format as prepared on a MS-DOS based computer.

Sincerely,

Jack I Hopkins

lw

Enclosures

cc: Beggs and Lane
Jeffrey A. Stone, Esquire
McNees, Wallace & Nurick
David M. Kleppinger, Esquire

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: Fuel and Purchased Power Cost)
Recovery Clause with Generating)
Performance Incentive Factor) Docket No. 950001-EI
_____)

Certificate of Service

I HEREBY CERTIFY that a true copy of the foregoing was furnished by hand delivery or the U. S. Mail this 13th day of January, 1995 on the following:

Martha Brown, Esquire
FL Public Service Commission
101 East Gaines Street
Tallahassee FL 32399-0863

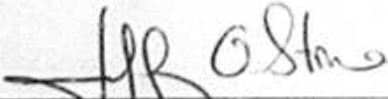
Jack Shreve, Esquire
Office of Public Counsel
111 W. Madison St., Suite 812
Tallahassee FL 32399-1400

James McGee, Esquire
Florida Power Corporation
P. O. Box 14042
St. Petersburg FL 33733-4042

Matthew M. Childs, Esquire
Steel, Hector & Davis
215 South Monroe, Suite 601
Tallahassee FL 32301-1804

Lee L. Willis, Esquire
James D. Beasley, Esquire
Macfarlane Ausley Ferguson
& McMullen
P. O. Box 391
Tallahassee FL 32302

Floyd R. Self, Esquire
Messer, Vickers, Caparello,
French and Madison
P. O. Box 1876
Tallahassee FL 32302-1876



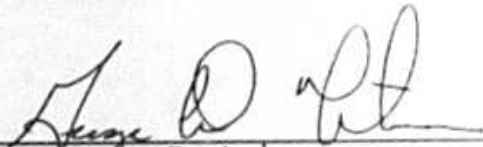
G. EDISON HOLLAND, JR.
Florida Bar No. 261599
JEFFREY A. STONE
Florida Bar No. 325953
RUSSELL A. BADDERS
Florida Bar No. 0007455
BEGGS & LANE
P. O. Box 12950
Pensacola FL 32576
(904) 432-2451
Attorneys for Gulf Power Company

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

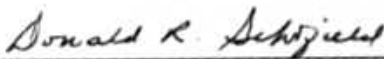
Docket No. 950001-EI

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



George D. Fontaine
Performance Test Specialist

Sworn to and subscribed before me this 11th day of January, 1995.



Notary Public, State of Florida at Large

Commission Number: DONALD R. SCHOFIELD
 "Notary Public State of FL"
Commission Expires: Comm. Exp. May 17, 1998
 Comm. No. CC 372907

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

GENERATING PERFORMANCE INCENTIVE FACTOR

TARGETS FOR

APRIL 1995 - SEPTEMBER 1995

Before

THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. ~~950001-EI~~

DOCUMENT NUMBER-DATE

00618 JAN 17 82

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. 950001-EI
6 Date of Filing January 17, 1995

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

8 A. My name is George D. Fontaine, my business address is
9 Post Office Box 1151, Pensacola, Florida 32520, 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 April 1,
5 1995 through September 30, 1995.

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-2).

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 April 1, 1995 through September 30, 1995?

4 A. I would like to refer you to Page 32 of Schedule 1 of
5 my exhibit where these targets are listed.
6

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

8 A. In every case they were determined according to the
9 GPIF implementation manual procedures for Gulf.

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

15 Pages 30 and 31 of Schedule 1 present the
16 calculations which provide the unit target heat rates
17 from the target equations.
18

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

23 A. Yes.
24
25

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

3 A. The target equivalent availabilities and their ranges
4 are listed on page 4 of Schedule 2.
5

6 Q. How are these target equivalent availabilities
7 determined?

8 A. The target equivalent availabilities were determined
9 according to the standard GPIF implementation manual
10 procedures for Gulf, and are presented on page 2 of
11 Schedule 2.
12

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

15 A. The maximum and minimum attainable equivalent
16 availabilities, which are presented along with their
17 respective target availabilities on page 4 of Schedule
18 2, were determined per GPIF manual procedures for Gulf.
19

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

22 A. Yes, we have completed the required data. Schedule 3
23 of my exhibit contains this information.
24
25

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

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

4 1. Crist Units 6 and 7, Smith Units 1 and 2 and Daniel
5 Units 1 and 2, for inclusion under the GPIF for the
6 period of April 1, 1995 through September 30, 1995.

7

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

13

14 3. The target, maximum attainable, and minimum
15 attainable equivalent availabilities, as proposed
16 by the Company and as shown on Page 4 of Schedule
17 2 and also page 5 of Schedule 3 of my exhibit.

18

19 4. The weekly average net operating heat rate least
20 squares regression equations, shown on page 2 of
21 Schedule 1 and also pages 18 through 23 of
22 Schedule 3 of my exhibit, for use in adjusting the
23 six-month actual unit heat rates to target
24 conditions.

25

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

2 A. Yes, Sir.
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

Florida Public Service Commission
Docket No. 950001-E1
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. ____ (GDF-2)

EXHIBIT TO THE TESTIMONY OF
G. D. FONTAINE
IN FPSC DOCKET 950001-E1

Target Heat Rate Equations

Crist 6 ANOHR $10^{-6} / AKW * [146.52 + 40.84 * JAN + 41.36 * JUN + 47.91 * JUL + 31.63 * AUG - 33.35 * OCT]$
 $+ 10,948 - 0.00485 * LSRF / AKW$

Crist 7 ANOHR $10^{-6} / AKW * [916.48 + 42.72 * JAN + 58.10 * JUL + 72.40 * AUG + 65.36 * NOV]$
 $+ 5,931 + 0.00451 * LSRF / AKW$

Smith 1 ANOHR $10^{-6} / AKW * [113.43 + 11.45 * JAN + 16.51 * FEB + 20.38 * MAR]$
 $+ 9,383$

Smith 2 ANOHR $10^{-6} / AKW * [98.48 + 20.28 * MAR + 28.32 * APR + 37.25 * JUN + 19.27 * NOV]$
 $+ 9,622$

Daniel 1 ANOHR $10^{-6} / AKW * [283.49 - 52.71 * JAN + 158.68 * MAR]$
 $+ 9,373$

Daniel 2 ANOHR $10^{-6} / AKW * [297.36 - 55.04 * MAY + 49.04 * SEP]$
 $+ 9,196$

Where:

- ANOHR = Average Net Operating Heat Rate, BTU/KWH
- AKW = Average Kilowatt Load, KW
- LSRF = Load Square Range Factor, 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	AMB	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10175	168	260.6	71136	0	0	0	0	0	0	0	0	0	1	0	0	1991
10137	109	262.1	72379	0	0	0	0	0	0	0	0	0	1	0	1	1991
10377	56	241.6	64154	0	0	0	0	0	0	0	0	0	1	0	1	1991
10349	168	269.0	74581	0	0	0	0	0	0	0	0	0	1	0	0	1991
10264	91	260.9	72901	0	0	0	0	0	0	0	0	0	0	1	1	1991
10149	168	269.9	76127	0	0	0	0	0	0	0	0	0	0	1	0	1991
10280	168	251.4	67674	0	0	0	0	0	0	0	0	0	0	1	0	1991
10692	168	259.7	71530	0	0	0	0	0	0	0	0	0	0	1	0	1991
10588	168	251.0	67794	0	0	0	0	0	0	0	0	0	0	1	0	1991
10422	168	247.4	65458	0	0	0	0	0	0	0	0	0	0	0	0	1991
10492	34	206.4	47815	0	0	0	0	0	0	0	0	0	0	0	0	1991
10432	163	247.7	65195	0	0	0	0	0	0	0	0	0	0	0	1	1991
10473	127	227.0	57060	0	0	0	0	0	0	0	0	0	0	0	1	1991
10551	168	224.6	54247	1	0	0	0	0	0	0	0	0	0	0	0	1992
10927	168	217.7	51471	1	0	0	0	0	0	0	0	0	0	0	0	1992
11511	168	228.2	55473	1	0	0	0	0	0	0	0	0	0	0	0	1992
10951	168	198.4	43320	1	0	0	0	0	0	0	0	0	0	0	0	1992
11150	137	176.0	34207	1	0	0	0	0	0	0	0	0	0	0	1	1992
10882	168	190.6	40064	0	1	0	0	0	0	0	0	0	0	0	0	1992
10768	168	172.3	33342	0	1	0	0	0	0	0	0	0	0	0	0	1992
10488	168	194.5	42575	0	1	0	0	0	0	0	0	0	0	0	0	1992
10656	168	204.7	47239	0	1	0	0	0	0	0	0	0	0	0	0	1992
10656	168	207.7	49024	0	0	1	0	0	0	0	0	0	0	0	0	1992
10576	168	237.9	59496	0	0	1	0	0	0	0	0	0	0	0	0	1992
10656	168	209.2	47543	0	0	1	0	0	0	0	0	0	0	0	0	1992
10607	168	229.4	56440	0	0	1	0	0	0	0	0	0	0	0	0	1992
10146	24	263.8	70956	0	0	1	0	0	0	0	0	0	0	0	0	1992
10306	167	226.3	53467	0	0	0	1	0	0	0	0	0	0	0	0	1992
10447	168	213.2	49203	0	0	0	1	0	0	0	0	0	0	0	0	1992
10236	168	266.9	74044	0	0	0	1	0	0	0	0	0	0	0	0	1992
10134	107	275.3	78410	0	0	0	1	0	0	0	0	0	0	0	1	1992
10101	168	292.2	85940	0	0	0	0	1	0	0	0	0	0	0	0	1992
10161	168	272.3	76355	0	0	0	0	1	0	0	0	0	0	0	0	1992
10131	168	275.7	78855	0	0	0	0	1	0	0	0	0	0	0	0	1992
10087	20	275.8	80475	0	0	0	0	1	0	0	0	0	0	0	0	1992
10744	116	229.4	58108	0	0	0	0	0	1	0	0	0	0	0	1	1992
10311	168	259.0	70667	0	0	0	0	0	1	0	0	0	0	0	0	1992
10071	168	275.2	78547	0	0	0	0	0	0	1	0	0	0	0	0	1992
10168	156	264.8	73959	0	0	0	0	0	0	1	0	0	0	0	0	1992
10153	168	271.0	76599	0	0	0	0	0	0	1	0	0	0	0	0	1992
10178	168	267.6	75039	0	0	0	0	0	0	1	0	0	0	0	0	1992
10165	168	271.2	76833	0	0	0	0	0	0	0	1	0	0	0	0	1992
10125	168	282.7	81596	0	0	0	0	0	0	0	1	0	0	0	0	1992
10250	168	274.5	77281	0	0	0	0	0	0	0	1	0	0	0	0	1992
10571	80	252.6	66853	0	0	0	0	0	0	0	1	0	0	0	1	1992
10276	168	270.0	76402	0	0	0	0	0	0	0	1	0	0	0	0	1992
10308	129	268.8	75418	0	0	0	0	0	0	0	0	1	0	0	1	1992

Data Base for CRIST 6 Target Heat Rate Equation

HR	HOUR	AMV	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
9972	100	260.5	71343	0	0	0	0	0	0	0	0	1	0	0	1	1992
9990	168	275.2	79103	0	0	0	0	0	0	0	0	1	0	0	0	1992
10068	113	236.2	60659	0	0	0	0	0	0	0	0	1	0	0	1	1992
10008	24	269.2	75869	0	0	0	0	0	0	0	0	1	0	0	0	1992
9884	168	274.8	76628	0	0	0	0	0	0	0	0	0	1	0	0	1992
10059	168	277.2	78939	0	0	0	0	0	0	0	0	0	1	0	0	1992
10078	126	265.9	73859	0	0	0	0	0	0	0	0	0	1	0	1	1992
10041	120	276.8	78576	0	0	0	0	0	0	0	0	0	1	0	0	1992
10161	133	271.8	76502	0	0	0	0	0	0	0	0	0	0	1	1	1992
10216	168	258.1	69975	0	0	0	0	0	0	0	0	0	0	1	0	1992
10313	168	237.4	58284	0	0	0	0	0	0	0	0	0	0	1	0	1992
10235	73	263.9	72063	0	0	0	0	0	0	0	0	0	0	1	1	1992
10130	168	266.4	72375	0	0	0	0	0	0	0	0	0	0	1	0	1992
10200	153	262.7	72166	0	0	0	0	0	0	0	0	0	0	0	0	1992
10335	168	264.2	72932	0	0	0	0	0	0	0	0	0	0	0	0	1992
10239	165	234.1	60952	0	0	0	0	0	0	0	0	0	0	0	0	1992
10562	41	244.0	65437	0	0	0	0	0	0	0	0	0	0	0	1	1992
10380	168	223.4	55689	1	0	0	0	0	0	0	0	0	0	0	0	1993
10315	168	235.7	60940	1	0	0	0	0	0	0	0	0	0	0	0	1993
10315	168	251.1	66555	1	0	0	0	0	0	0	0	0	0	0	0	1993
10488	168	223.8	55685	1	0	0	0	0	0	0	0	0	0	0	0	1993
10393	168	196.5	42827	1	0	0	0	0	0	0	0	0	0	0	0	1993
10058	168	233.1	57659	0	1	0	0	0	0	0	0	0	0	0	0	1993
10229	168	228.6	55908	0	1	0	0	0	0	0	0	0	0	0	0	1993
9931	44	259.1	70197	0	1	0	0	0	0	0	0	0	0	0	0	1993
13642	19	110.6	12939	0	0	1	0	0	0	0	0	0	0	0	1	1993
10648	146	193.1	38772	0	0	1	0	0	0	0	0	0	0	0	0	1993
10975	168	170.9	31736	0	0	1	0	0	0	0	0	0	0	0	0	1993
10185	168	268.0	74198	0	0	1	0	0	0	0	0	0	0	0	0	1993
10299	143	267.6	74041	0	0	0	1	0	0	0	0	0	0	0	1	1993
10142	168	258.1	70372	0	0	0	1	0	0	0	0	0	0	0	0	1993
10063	168	272.5	76444	0	0	0	1	0	0	0	0	0	0	0	0	1993
10093	168	267.5	74623	0	0	0	1	0	0	0	0	0	0	0	0	1993
10280	168	250.3	67175	0	0	0	0	1	0	0	0	0	0	0	0	1993
10453	168	249.9	67560	0	0	0	0	1	0	0	0	0	0	0	0	1993
10286	109	250.8	68088	0	0	0	0	1	0	0	0	0	0	0	1	1993
10430	168	237.8	61806	0	0	0	0	1	0	0	0	0	0	0	0	1993
10242	168	244.4	64331	0	0	0	0	1	0	0	0	0	0	0	0	1993
10187	168	266.5	74143	0	0	0	0	0	1	0	0	0	0	0	0	1993
10263	168	259.5	72857	0	0	0	0	0	1	0	0	0	0	0	0	1993
10476	168	249.5	67030	0	0	0	0	0	1	0	0	0	0	0	0	1993
10554	97	173.6	36292	0	0	0	0	0	1	0	0	0	0	0	1	1993
10832	140	184.4	41323	0	0	0	0	0	0	1	0	0	0	0	1	1993
10729	168	229.2	59481	0	0	0	0	0	0	1	0	0	0	0	0	1993
10210	168	266.0	75116	0	0	0	0	0	0	1	0	0	0	0	0	1993
10240	168	273.2	77881	0	0	0	0	0	0	1	0	0	0	0	0	1993
10546	168	244.0	65528	0	0	0	0	0	0	0	1	0	0	0	0	1993

Data Base for CRIST 6 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.

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

AWJ 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 CRIST 7 Target Heat Rate Equation

HR	HOUR	AMV	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NR	YEAR
10160	131	424.7	190169	0	0	0	0	0	0	0	0	0	1	0	1	1991
10073	168	426.8	191974	0	0	0	0	0	0	0	0	0	1	0	0	1991
10300	91	375.8	156887	0	0	0	0	0	0	0	0	0	1	0	2	1991
11053	109	245.7	75774	0	0	0	0	0	0	0	0	0	1	0	1	1991
10259	129	426.5	195162	0	0	0	0	0	0	0	0	0	0	1	1	1991
10357	168	473.6	226156	0	0	0	0	0	0	0	0	0	0	1	0	1991
10474	36	392.6	172499	0	0	0	0	0	0	0	0	0	0	1	0	1991
11527	60	216.1	52717	0	0	0	0	0	0	0	0	0	0	0	1	1991
10357	107	343.4	131634	0	0	0	0	0	0	0	0	0	0	0	0	1991
10207	113	377.2	155647	1	0	0	0	0	0	0	0	0	0	0	1	1992
10282	103	341.9	128409	1	0	0	0	0	0	0	0	0	0	0	1	1992
10307	168	407.9	174013	1	0	0	0	0	0	0	0	0	0	0	0	1992
10378	168	342.4	130084	1	0	0	0	0	0	0	0	0	0	0	0	1992
10426	168	340.9	129238	1	0	0	0	0	0	0	0	0	0	0	0	1992
10317	168	378.0	154332	0	1	0	0	0	0	0	0	0	0	0	0	1992
10180	168	374.4	154674	0	1	0	0	0	0	0	0	0	0	0	0	1992
10405	110	356.4	148231	0	1	0	0	0	0	0	0	0	0	0	1	1992
10698	106	286.8	97868	0	1	0	0	0	0	0	0	0	0	0	1	1992
10196	116	357.0	149191	0	0	1	0	0	0	0	0	0	0	0	1	1992
10227	147	411.2	177601	0	0	1	0	0	0	0	0	0	0	0	0	1992
10260	164	367.8	147189	0	0	1	0	0	0	0	0	0	0	0	0	1992
10305	114	347.1	129268	0	0	1	0	0	0	0	0	0	0	0	1	1992
9639	24	426.6	190955	0	0	1	0	0	0	0	0	0	0	0	0	1992
9959	167	406.5	172178	0	0	0	1	0	0	0	0	0	0	0	0	1992
10070	168	379.2	155927	0	0	0	1	0	0	0	0	0	0	0	0	1992
9946	20	383.9	160774	0	0	0	1	0	0	0	0	0	0	0	0	1992
10043	164	370.1	153228	0	0	0	0	1	0	0	0	0	0	0	0	1992
9938	168	406.1	177667	0	0	0	0	1	0	0	0	0	0	0	0	1992
9978	146	431.6	195660	0	0	0	0	0	1	0	0	0	0	0	0	1992
10349	67	304.3	112897	0	0	0	0	0	1	0	0	0	0	0	3	1992
9949	168	442.7	202814	0	0	0	0	0	1	0	0	0	0	0	0	1992
9874	168	451.7	210433	0	0	0	0	0	1	0	0	0	0	0	0	1992
9997	109	433.9	195646	0	0	0	0	0	0	1	0	0	0	0	0	1992
10004	156	431.4	196177	0	0	0	0	0	0	1	0	0	0	0	1	1992
10127	136	425.0	191364	0	0	0	0	0	0	1	0	0	0	0	1	1992
10222	168	431.1	194972	0	0	0	0	0	0	1	0	0	0	0	0	1992
10211	168	451.4	209349	0	0	0	0	0	0	0	1	0	0	0	0	1992
9946	58	445.3	205246	0	0	0	0	0	0	0	1	0	0	0	0	1992
10280	158	452.0	209652	0	0	0	0	0	0	0	1	0	0	0	1	1992
10350	108	408.4	176900	0	0	0	0	0	0	0	1	0	0	0	1	1992
10458	66	378.1	154299	0	0	0	0	0	0	0	1	0	0	0	1	1992
10152	118	447.4	208968	0	0	0	0	0	0	0	0	1	0	0	3	1992
9989	168	403.4	177784	0	0	0	0	0	0	0	0	1	0	0	0	1992
10121	122	439.6	203594	0	0	0	0	0	0	0	0	1	0	0	1	1992
10061	168	457.4	212546	0	0	0	0	0	0	0	0	1	0	0	0	1992
9956	24	471.5	223620	0	0	0	0	0	0	0	0	1	0	0	0	1992
10052	168	448.7	204074	0	0	0	0	0	0	0	0	0	1	0	0	1992

Data Base for CRIST 7 Target Heat Rate Equation

SR	HOHR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10130	168	417.5	190100	0	0	0	0	0	0	0	0	0	1	0	0	1992
9907	154	457.6	215447	0	0	0	0	0	0	0	0	0	1	0	0	1992
10174	168	401.8	176941	0	0	0	0	0	0	0	0	0	1	0	0	1992
10213	168	475.1	227655	0	0	0	0	0	0	0	0	0	0	1	0	1992
10295	141	452.0	207902	0	0	0	0	0	0	0	0	0	0	1	0	1992
10255	166	426.6	187530	0	0	0	0	0	0	0	0	0	0	1	1	1992
10259	166	445.1	200366	0	0	0	0	0	0	0	0	0	0	1	0	1992
10119	161	430.9	196930	0	0	0	0	0	0	0	0	0	0	0	0	1992
10134	161	456.2	212471	0	0	0	0	0	0	0	0	0	0	0	0	1992
10198	124	379.8	160198	0	0	0	0	0	0	0	0	0	0	0	0	1992
10081	134	362.4	147506	0	0	0	0	0	0	0	0	0	0	0	1	1992
10093	168	385.7	164639	1	0	0	0	0	0	0	0	0	0	0	0	1993
10178	168	406.0	178616	1	0	0	0	0	0	0	0	0	0	0	0	1993
10230	168	423.7	187429	1	0	0	0	0	0	0	0	0	0	0	0	1993
10197	168	439.9	202936	1	0	0	0	0	0	0	0	0	0	0	0	1993
10062	168	449.0	210879	1	0	0	0	0	0	0	0	0	0	0	0	1993
10151	168	434.1	195273	0	1	0	0	0	0	0	0	0	0	0	0	1993
10021	168	406.2	175088	0	1	0	0	0	0	0	0	0	0	0	0	1993
10082	168	429.3	193698	0	1	0	0	0	0	0	0	0	0	0	0	1993
9951	105	417.6	184000	0	1	0	0	0	0	0	0	0	0	0	1	1993
10037	168	441.7	201464	0	0	1	0	0	0	0	0	0	0	0	0	1993
10091	168	456.1	213530	0	0	1	0	0	0	0	0	0	0	0	0	1993
9954	37	448.2	208346	0	0	1	0	0	0	0	0	0	0	0	0	1993
13941	23	159.2	26204	0	0	0	0	1	0	0	0	0	0	0	1	1993
11725	38	202.9	46155	0	0	0	0	1	0	0	0	0	0	0	1	1993
10902	49	240.6	62949	0	0	0	0	0	1	0	0	0	0	0	1	1993
10179	153	394.1	167217	0	0	0	0	0	1	0	0	0	0	0	1	1993
10078	168	411.8	182239	0	0	0	0	0	1	0	0	0	0	0	0	1993
10385	168	412.5	184478	0	0	0	0	0	1	0	0	0	0	0	0	1993
10260	168	419.3	187347	0	0	0	0	0	0	1	0	0	0	0	0	1993
10341	168	411.0	183457	0	0	0	0	0	0	1	0	0	0	0	0	1993
10300	168	432.0	195415	0	0	0	0	0	0	1	0	0	0	0	0	1993
10421	168	444.3	203094	0	0	0	0	0	0	1	0	0	0	0	0	1993
10503	168	400.8	174476	0	0	0	0	0	0	0	1	0	0	0	0	1993
10452	168	424.9	192743	0	0	0	0	0	0	0	1	0	0	0	0	1993
10424	168	424.8	192017	0	0	0	0	0	0	0	1	0	0	0	0	1993
10240	168	430.1	195149	0	0	0	0	0	0	0	1	0	0	0	0	1993
10213	136	423.3	189708	0	0	0	0	0	0	0	1	0	0	0	1	1993
10354	168	403.5	176250	0	0	0	0	0	0	0	0	1	0	0	0	1993
10303	168	424.7	190679	0	0	0	0	0	0	0	0	1	0	0	0	1993
10108	168	417.5	185641	0	0	0	0	0	0	0	0	1	0	0	0	1993
10264	69	372.6	153638	0	0	0	0	0	0	0	0	1	0	0	0	1993
10751	22	292.7	99252	0	0	0	0	0	0	0	0	1	0	0	1	1993
10306	168	401.2	176698	0	0	0	0	0	0	0	0	0	1	0	0	1993
10368	153	379.2	157635	0	0	0	0	0	0	0	0	0	1	0	0	1993
10165	168	417.4	183508	0	0	0	0	0	0	0	0	0	1	0	0	1993
10074	75	382.5	163620	0	0	0	0	0	0	0	0	0	1	0	1	1993

Data Base for CRIST 7 Target Heat Rate Equation

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

Data Base for CRIST 7 Target Heat Rate Equation

HR 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.

AW 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.

ES Number of unit start ups during the week after being shut down for 24 hours or more.

YEAR The year of the observation.

* Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for SMITH 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10125	168	147.0	22398	0	0	0	0	0	0	0	0	0	1	0	0	1991
10240	168	144.6	21692	0	0	0	0	0	0	0	0	0	1	0	0	1991
10126	168	137.4	20018	0	0	0	0	0	0	0	0	0	1	0	0	1991
10086	168	142.3	21181	0	0	0	0	0	0	0	0	0	1	0	0	1991
10103	168	140.5	20767	0	0	0	0	0	0	0	0	0	0	1	0	1991
10188	168	150.0	23007	0	0	0	0	0	0	0	0	0	0	1	0	1991
10205	168	148.5	22665	0	0	0	0	0	0	0	0	0	0	1	0	1991
10161	168	149.5	22900	0	0	0	0	0	0	0	0	0	0	1	0	1991
10158	168	141.7	21073	0	0	0	0	0	0	0	0	0	0	1	0	1991
10227	168	143.4	21515	0	0	0	0	0	0	0	0	0	0	0	0	1991
10301	36	115.2	15277	0	0	0	0	0	0	0	0	0	0	0	0	1991
10351	95	134.7	19542	0	0	0	0	0	0	0	0	0	0	0	1	1991
10325	168	123.2	16712	0	0	0	0	0	0	0	0	0	0	0	0	1991
10353	168	128.4	17684	1	0	0	0	0	0	0	0	0	0	0	0	1992
10221	168	128.5	17725	1	0	0	0	0	0	0	0	0	0	0	0	1992
10251	168	134.8	19018	1	0	0	0	0	0	0	0	0	0	0	0	1992
10507	168	117.9	15169	1	0	0	0	0	0	0	0	0	0	0	0	1992
10616	168	115.5	14776	1	0	0	0	0	0	0	0	0	0	0	0	1992
10381	168	128.9	17703	0	1	0	0	0	0	0	0	0	0	0	0	1992
10502	168	128.0	17908	0	1	0	0	0	0	0	0	0	0	0	0	1992
10549	168	121.2	16423	0	1	0	0	0	0	0	0	0	0	0	0	1992
10710	103	129.8	18619	0	1	0	0	0	0	0	0	0	0	0	1	1992
10757	168	126.3	17442	0	0	1	0	0	0	0	0	0	0	0	0	1992
10824	141	140.8	20450	0	0	1	0	0	0	0	0	0	0	0	1	1992
10379	168	136.2	19546	0	0	1	0	0	0	0	0	0	0	0	0	1992
10410	168	118.0	14122	0	0	1	0	0	0	0	0	0	0	0	0	1992
10222	24	118.3	13995	0	0	1	0	0	0	0	0	0	0	0	0	1992
10211	167	127.7	16630	0	0	0	1	0	0	0	0	0	0	0	0	1992
10168	168	125.8	16477	0	0	0	1	0	0	0	0	0	0	0	0	1992
10157	168	153.2	23815	0	0	0	1	0	0	0	0	0	0	0	0	1992
9938	168	161.2	25985	0	0	0	1	0	0	0	0	0	0	0	0	1992
9974	168	159.3	25430	0	0	0	0	1	0	0	0	0	0	0	0	1992
9859	168	152.9	23691	0	0	0	0	1	0	0	0	0	0	0	0	1992
9932	71	149.3	22799	0	0	0	0	1	0	0	0	0	0	0	0	1992
10673	131	87.8	9018	0	0	0	0	1	0	0	0	0	0	0	1	1992
10212	168	120.8	16414	0	0	0	0	0	1	0	0	0	0	0	0	1992
10091	168	154.0	23981	0	0	0	0	0	1	0	0	0	0	0	0	1992
10149	137	154.0	24228	0	0	0	0	0	1	0	0	0	0	0	1	1992
10039	168	156.0	24551	0	0	0	0	0	1	0	0	0	0	0	0	1992
9953	168	155.6	24395	0	0	0	0	0	0	1	0	0	0	0	0	1992
10066	114	153.9	24133	0	0	0	0	0	0	1	0	0	0	0	1	1992
9962	168	154.7	24054	0	0	0	0	0	0	1	0	0	0	0	0	1992
10117	168	157.8	24967	0	0	0	0	0	0	1	0	0	0	0	0	1992
10632	168	154.1	23950	0	0	0	0	0	0	0	1	0	0	0	0	1992
10027	168	158.8	25246	0	0	0	0	0	0	0	1	0	0	0	0	1992
10097	132	152.8	23968	0	0	0	0	0	0	0	1	0	0	0	1	1992
10111	168	159.0	25318	0	0	0	0	0	0	0	1	0	0	0	0	1992

Data Base for SMITH 1 Target Heat Rate Equation

HR	HOUR	APW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MS	YEAR
10169	168	158.7	25196	0	0	0	0	0	0	1	0	0	0	0	0	1993
10207	168	159.3	25386	0	0	0	0	0	0	1	0	0	0	0	0	1993
10223	168	152.3	23527	0	0	0	0	0	0	0	1	0	0	0	0	1993
10188	168	149.5	22654	0	0	0	0	0	0	0	1	0	0	0	0	1993
10150	168	154.7	24069	0	0	0	0	0	0	0	1	0	0	0	1	1993
10301	118	152.4	23751	0	0	0	0	0	0	0	1	0	0	0	0	1993
10162	168	157.6	24852	0	0	0	0	0	0	0	1	0	0	0	0	1993
10209	168	145.6	21909	0	0	0	0	0	0	0	0	1	0	0	0	1993
10286	168	153.7	23827	0	0	0	0	0	0	0	0	1	0	0	0	1993
10187	168	152.1	23390	0	0	0	0	0	0	0	0	1	0	0	0	1993
10076	137	150.3	23093	0	0	0	0	0	0	0	0	1	0	0	1	1993
10101	24	153.1	23538	0	0	0	0	0	0	0	0	1	0	0	0	1993
10047	168	151.8	23218	0	0	0	0	0	0	0	0	0	1	0	0	1993
10092	168	152.9	23548	0	0	0	0	0	0	0	0	0	1	0	0	1993
10208	168	156.7	24632	0	0	0	0	0	0	0	0	0	1	0	0	1993
10227	168	149.1	22517	0	0	0	0	0	0	0	0	0	0	1	0	1993
10295	161	152.6	23569	0	0	0	0	0	0	0	0	0	0	1	0	1993
10523	168	152.6	23591	0	0	0	0	0	0	0	0	0	0	1	0	1993
10912	13	142.0	21706	0	0	0	0	0	0	0	0	0	0	1	0	1993
10349	138	141.4	21169	0	0	0	0	0	0	0	0	0	0	1	1	1993
10179	168	137.6	19908	0	0	0	0	0	0	0	0	0	0	1	0	1993
10124	168	106.3	12922	0	0	0	0	0	0	0	0	0	0	0	0	1993
10716	72	104.1	12056	0	0	0	0	0	0	0	0	0	0	0	0	1993
10662	73	141.8	20985	1	0	0	0	0	0	0	0	0	0	0	1	1994
10428	168	150.6	22913	1	0	0	0	0	0	0	0	0	0	0	0	1994
10331	168	157.3	24757	1	0	0	0	0	0	0	0	0	0	0	0	1994
10439	168	149.8	22667	1	0	0	0	0	0	0	0	0	0	0	0	1994
10382	168	151.9	23232	1	0	0	0	0	0	0	0	0	0	0	0	1994
10507	168	143.4	20965	0	1	0	0	0	0	0	0	0	0	0	0	1994
10475	19	130.8	18192	0	1	0	0	0	0	0	0	0	0	0	0	1994
10237	109	148.7	22849	0	0	0	0	1	0	0	0	0	0	0	1	1994
10112	97	155.0	24701	0	0	0	0	1	0	0	0	0	0	0	0	1994
10308	128	138.3	20566	0	0	0	0	1	0	0	0	0	0	0	1	1994
10012	168	151.1	23274	0	0	0	0	0	1	0	0	0	0	0	0	1994
9976	168	148.0	22572	0	0	0	0	0	1	0	0	0	0	0	0	1994
10133	168	146.0	22091	0	0	0	0	0	1	0	0	0	0	0	0	1994
10218	168	146.3	22146	0	0	0	0	0	1	0	0	0	0	0	0	1994
10274	168	129.2	18447	0	0	0	0	0	0	1	0	0	0	0	1	1994
10329	142	130.6	18826	0	0	0	0	0	0	1	0	0	0	0	0	1994
10261	168	146.4	21979	0	0	0	0	0	0	1	0	0	0	0	0	1994
10364	168	141.7	21082	0	0	0	0	0	0	1	0	0	0	0	0	1994
10274	168	137.7	20268	0	0	0	0	0	0	0	1	0	0	0	0	1994
10280	168	142.9	21275	0	0	0	0	0	0	0	1	0	0	0	0	1994
10144	168	140.2	20508	0	0	0	0	0	0	0	1	0	0	0	0	1994
10260	168	140.9	20734	0	0	0	0	0	0	0	1	0	0	0	0	1994
10371	168	143.2	21267	0	0	0	0	0	0	0	1	0	0	0	0	1994
10214	168	135.5	19469	0	0	0	0	0	0	0	0	1	0	0	0	1994

Data Base for SMITH 1 Target Heat Rate Equation

HR	HOUR	AMH	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10273	151	134.0	19345	0	0	0	0	0	0	0	0	1	0	0	0	1994
10283	168	136.5	19666	0	0	0	0	0	0	0	0	1	0	0	0	1994
10245	168	139.5	20374	0	0	0	0	0	0	0	0	1	0	0	0	1994
10157	24	130.8	18450	0	0	0	0	0	0	0	0	1	0	0	0	1994

Data Base for SMITH 1 Target Heat Rate Equation

HR Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.

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

AMW Average load on the unit, in MW.

LSRF Load square range factor, in 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	HOJR	AWJ	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10368	168	157.9	26182	0	0	0	0	0	0	0	0	0	1	0	0	1991
10312	168	160.6	27679	0	0	0	0	0	0	0	0	0	1	0	0	1991
10235	168	146.2	23406	0	0	0	0	0	0	0	0	0	1	0	0	1991
10164	93	152.1	25121	0	0	0	0	0	0	0	0	0	1	0	0	1991
10342	153	154.9	26078	0	0	0	0	0	0	0	0	0	0	1	1	1991
10609	136	151.1	24995	0	0	0	0	0	0	0	0	0	0	1	1	1991
10572	168	149.9	24757	0	0	0	0	0	0	0	0	0	0	1	0	1991
10428	168	146.4	23080	0	0	0	0	0	0	0	0	0	0	0	0	1991
10161	168	141.4	21736	0	0	0	0	0	0	0	0	0	0	0	0	1991
10193	168	152.3	24671	0	0	0	0	0	0	0	0	0	0	0	0	1991
10258	168	128.3	19002	0	0	0	0	0	0	0	0	0	0	0	0	1991
10250	168	131.6	19520	1	0	0	0	0	0	0	0	0	0	0	0	1992
10183	168	129.4	18714	1	0	0	0	0	0	0	0	0	0	0	0	1992
10206	168	148.4	23994	1	0	0	0	0	0	0	0	0	0	0	0	1992
10235	168	121.0	16825	1	0	0	0	0	0	0	0	0	0	0	0	1992
10377	168	116.8	15678	1	0	0	0	0	0	0	0	0	0	0	0	1992
10312	168	130.5	18658	0	1	0	0	0	0	0	0	0	0	0	0	1992
10498	105	135.7	21202	0	1	0	0	0	0	0	0	0	0	0	1	1992
10282	168	128.1	18876	0	1	0	0	0	0	0	0	0	0	0	0	1992
10370	168	137.2	21370	0	1	0	0	0	0	0	0	0	0	0	0	1992
10491	168	139.0	21938	0	0	1	0	0	0	0	0	0	0	0	0	1992
10383	168	165.3	28197	0	0	1	0	0	0	0	0	0	0	0	0	1992
10308	168	149.5	24011	0	0	1	0	0	0	0	0	0	0	0	0	1992
10385	168	144.5	23114	0	0	1	0	0	0	0	0	0	0	0	0	1992
10337	26	165.7	28062	0	0	1	0	0	0	0	0	0	0	0	0	1992
10251	167	158.2	26109	0	0	0	1	0	0	0	0	0	0	0	0	1992
10303	168	143.8	23124	0	0	0	1	0	0	0	0	0	0	0	0	1992
10361	44	142.3	22931	0	0	0	1	0	0	0	0	0	0	0	0	1992
10107	141	173.4	31075	0	0	0	0	1	0	0	0	0	0	0	1	1992
10133	139	155.1	25400	0	0	0	0	1	0	0	0	0	0	0	1	1992
10052	168	156.5	25704	0	0	0	0	1	0	0	0	0	0	0	0	1992
10004	168	170.2	29985	0	0	0	0	1	0	0	0	0	0	0	0	1992
10115	168	157.3	26202	0	0	0	0	1	0	0	0	0	0	0	0	1992
10025	168	168.1	29307	0	0	0	0	0	1	0	0	0	0	0	0	1992
10100	156	155.2	25383	0	0	0	0	0	1	0	0	0	0	0	0	1992
10055	143	172.7	30587	0	0	0	0	0	1	0	0	0	0	0	1	1992
10093	168	169.5	29668	0	0	0	0	0	1	0	0	0	0	0	0	1992
10034	168	174.3	30988	0	0	0	0	0	0	1	0	0	0	0	0	1992
10163	135	175.9	31753	0	0	0	0	0	0	1	0	0	0	0	1	1992
10015	168	174.6	30995	0	0	0	0	0	0	1	0	0	0	0	0	1992
10043	168	179.0	32306	0	0	0	0	0	0	1	0	0	0	0	0	1992
10088	168	173.5	30682	0	0	0	0	0	0	0	1	0	0	0	0	1992
10060	168	180.0	32610	0	0	0	0	0	0	0	1	0	0	0	0	1992
10051	168	179.1	32338	0	0	0	0	0	0	0	1	0	0	0	0	1992
10061	168	180.0	32641	0	0	0	0	0	0	0	1	0	0	0	0	1992
10111	157	175.5	31464	0	0	0	0	0	0	0	1	0	0	0	0	1992
11054	43	126.1	20317	0	0	0	0	0	0	0	0	1	0	0	3	1992

Data Base for BRITH 2 Target Heat Rate Equation

HR	MOUR	APM	LERF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	HS	YEAR
10246	168	180.4	32926	0	0	0	0	0	0	0	0	0	1	0	0	1993
10290	168	169.0	29624	0	0	0	0	0	0	0	0	0	0	1	0	1993
10408	168	179.0	32670	0	0	0	0	0	0	0	0	0	0	1	0	1993
10477	168	176.8	31863	0	0	0	0	0	0	0	0	0	0	1	0	1993
10459	168	181.0	33063	0	0	0	0	0	0	0	0	0	0	1	0	1993
10358	168	169.9	29777	0	0	0	0	0	0	0	0	0	0	1	0	1993
10387	158	154.8	26107	0	0	0	0	0	0	0	0	0	0	0	1	1993
10635	180	122.2	17258	0	0	0	0	0	0	0	0	0	0	0	0	1993
10728	168	106.1	13450	0	0	0	0	0	0	0	0	0	0	0	0	1993
10788	168	97.1	10835	0	0	0	0	0	0	0	0	0	0	0	0	1994
10522	168	167.0	29059	1	0	0	0	0	0	0	0	0	0	0	0	1994
10363	168	172.4	30458	1	0	0	0	0	0	0	0	0	0	0	0	1994
10374	168	182.5	33459	1	0	0	0	0	0	0	0	0	0	0	0	1994
10217	168	170.5	29699	1	0	0	0	0	0	0	0	0	0	0	0	1994
10373	168	174.7	31185	1	0	0	0	0	0	0	0	0	0	0	0	1994
10354	168	164.3	28013	0	1	0	0	0	0	0	0	0	0	0	0	1994
10295	168	176.6	31738	0	1	0	0	0	0	0	0	0	0	0	0	1994
10316	168	168.5	29067	0	1	0	0	0	0	0	0	0	0	0	0	1994
10302	168	172.7	30648	0	1	0	0	0	0	0	0	0	0	0	0	1994
10428	12	111.4	14187	0	0	1	0	0	0	0	0	0	0	0	1	1994
10595	139	162.6	27648	0	0	1	0	0	0	0	0	0	0	0	0	1994
10392	168	172.2	30389	0	0	1	0	0	0	0	0	0	0	0	0	1994
10420	167	179.4	32533	0	0	0	1	0	0	0	0	0	0	0	0	1994
10450	168	177.7	32097	0	0	0	1	0	0	0	0	0	0	0	0	1994
10435	168	173.3	30774	0	0	0	1	0	0	0	0	0	0	0	0	1994
10476	168	179.9	32659	0	0	0	1	0	0	0	0	0	0	0	0	1994
10502	168	178.3	32230	0	0	0	0	1	0	0	0	0	0	0	0	1994
10594	168	178.7	32304	0	0	0	0	1	0	0	0	0	0	0	0	1994
10555	168	168.3	29348	0	0	0	0	1	0	0	0	0	0	0	0	1994
10269	168	161.2	27916	0	0	0	0	1	0	0	0	0	0	0	1	1994
10258	139	165.5	28932	0	0	0	0	1	0	0	0	0	0	0	0	1994
10459	168	169.9	29861	0	0	0	0	0	1	0	0	0	0	0	0	1994
10670	168	165.5	28736	0	0	0	0	0	1	0	0	0	0	0	0	1994
10437	168	163.3	28171	0	0	0	0	0	1	0	0	0	0	0	0	1994
10482	168	166.5	29039	0	0	0	0	0	0	1	0	0	0	0	0	1994
10432	168	146.4	24043	0	0	0	0	0	0	1	0	0	0	0	0	1994
10468	168	154.0	26029	0	0	0	0	0	0	1	0	0	0	0	0	1994
10526	168	162.1	27784	0	0	0	0	0	0	1	0	0	0	0	1	1994
10472	135	154.9	26140	0	0	0	0	0	0	0	1	0	0	0	0	1994
10507	168	156.6	26531	0	0	0	0	0	0	0	1	0	0	0	0	1994
10491	168	160.1	27229	0	0	0	0	0	0	0	1	0	0	0	0	1994
10615	168	159.9	27245	0	0	0	0	0	0	0	1	0	0	0	0	1994
10387	168	157.5	26571	0	0	0	0	0	0	0	1	0	0	0	0	1994
10694	168	158.6	26713	0	0	0	0	0	0	0	0	1	0	0	0	1994
10362	168	138.8	21574	0	0	0	0	0	0	0	0	0	1	0	0	1994
10308	168	144.7	23433	0	0	0	0	0	0	0	0	0	1	0	0	1994
10360	168	141.0	22259	0	0	0	0	0	0	0	0	0	1	0	0	1994

Data Base for SMITH 2 Target Heat Rate Equation

HR Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.

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

AWJ 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.

ES 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

NR	HOUR	AWM	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	BS	YEAR
10852	139	226.7	64117	0	0	0	0	0	0	0	0	0	0	0	1	1991
10162	164	264.5	85668	0	0	0	0	0	0	0	0	0	0	0	0	1991
9829	11	274.2	93635	0	0	0	0	0	0	0	0	0	0	0	0	1991
11000	94	192.7	41395	1	0	0	0	0	0	0	0	0	0	0	1	1992
10176	168	238.5	68093	1	0	0	0	0	0	0	0	0	0	0	0	1992
10602	168	248.0	76653	1	0	0	0	0	0	0	0	0	0	0	0	1992
10436	168	232.9	65054	1	0	0	0	0	0	0	0	0	0	0	0	1992
10186	168	234.7	65219	1	0	0	0	0	0	0	0	0	0	0	0	1992
10318	118	296.7	98476	0	1	0	0	0	0	0	0	0	0	0	0	1992
10327	142	349.3	138202	0	1	0	0	0	0	0	0	0	0	0	1	1992
10650	164	276.5	90093	0	1	0	0	0	0	0	0	0	0	0	0	1992
14387	9	186.7	41907	0	0	1	0	0	0	0	0	0	0	0	1	1992
10769	168	269.7	73113	0	0	1	0	0	0	0	0	0	0	0	0	1992
10217	168	323.9	105370	0	0	1	0	0	0	0	0	0	0	0	0	1992
10209	168	374.1	140535	0	0	1	0	0	0	0	0	0	0	0	0	1992
11255	24	380.2	144533	0	0	1	0	0	0	0	0	0	0	0	0	1992
10655	104	234.9	66204	0	0	0	1	0	0	0	0	0	0	0	0	1992
10700	152	215.1	54942	0	0	0	1	0	0	0	0	0	0	0	1	1992
10201	168	294.0	101544	0	0	0	1	0	0	0	0	0	0	0	0	1992
10244	112	303.0	108207	0	0	0	1	0	0	0	0	0	0	0	0	1992
10546	168	252.3	78502	0	0	0	0	1	0	0	0	0	0	0	0	1992
10525	167	256.4	82504	0	0	0	0	1	0	0	0	0	0	0	0	1992
10479	168	249.3	80398	0	0	0	0	1	0	0	0	0	0	0	0	1992
10798	158	220.3	60510	0	0	0	0	0	1	0	0	0	0	0	0	1992
10828	167	218.4	61768	0	0	0	0	0	1	0	0	0	0	0	0	1992
10643	74	260.8	82532	0	0	0	0	0	1	0	0	0	0	0	0	1992
10858	163	237.7	71234	0	0	0	0	0	1	0	0	0	0	0	1	1992
10531	168	254.8	81549	0	0	0	0	0	0	1	0	0	0	0	0	1992
10440	168	325.5	130739	0	0	0	0	0	0	1	0	0	0	0	0	1992
10959	59	216.2	55233	0	0	0	0	0	0	1	0	0	0	0	1	1992
10510	168	225.6	62654	0	0	0	0	0	0	1	0	0	0	0	0	1992
10518	168	218.6	57934	0	0	0	0	0	0	0	1	0	0	0	0	1992
10250	168	320.0	129267	0	0	0	0	0	0	0	1	0	0	0	0	1992
10441	35	250.9	85178	0	0	0	0	0	0	0	1	0	0	0	0	1992
10884	105	228.8	64919	0	0	0	0	0	0	0	1	0	0	0	1	1992
10844	168	198.0	44980	0	0	0	0	0	0	0	1	0	0	0	0	1992
10592	168	228.4	62773	0	0	0	0	0	0	0	0	1	0	0	0	1992
10985	168	184.0	38763	0	0	0	0	0	0	0	0	0	1	0	0	1992
10288	168	336.8	123112	0	0	0	0	0	0	0	0	1	0	0	0	1992
10429	168	355.3	128753	0	0	0	0	0	0	0	0	1	0	0	0	1992
11771	8	278.2	97486	0	0	0	0	0	0	0	0	1	0	0	0	1992
11688	62	173.8	32390	0	1	0	0	0	0	0	0	0	0	0	1	1993
10673	38	286.6	99563	0	1	0	0	0	0	0	0	0	0	0	0	1993
10643	50	287.4	105162	0	1	0	0	0	0	0	0	0	0	0	0	1993
10173	168	431.8	187453	0	0	1	0	0	0	0	0	0	0	0	0	1993
10646	168	275.8	93636	0	0	1	0	0	0	0	0	0	0	0	0	1993
11268	59	259.7	81395	0	0	1	0	0	0	0	0	0	0	0	0	1993

Data Base for DANIEL 1 Target Rent Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
11897	41	156.9	25345	0	0	0	1	0	0	0	0	0	0	0	1	1993
10282	168	222.4	59260	0	0	0	1	0	0	0	0	0	0	0	0	1993
10567	120	350.3	126761	0	0	0	1	0	0	0	0	0	0	0	1	1993
10142	168	420.1	177048	0	0	0	1	0	0	0	0	0	0	0	0	1993
10581	168	381.5	150390	0	0	0	0	1	0	0	0	0	0	0	0	1993
11151	168	279.4	95480	0	0	0	0	1	0	0	0	0	0	0	0	1993
7617	144	376.3	148093	0	0	0	0	1	0	0	0	0	0	0	0	1993
10526	42	344.4	143836	0	0	0	0	0	1	0	0	0	0	0	1	1993
10473	164	270.5	96529	0	0	0	0	0	1	0	0	0	0	0	0	1993
10356	168	234.7	73480	0	0	0	0	0	1	0	0	0	0	0	0	1993
10510	109	207.1	54938	0	0	0	0	0	1	0	0	0	0	0	1	1993
10347	168	284.5	105581	0	0	0	0	0	0	1	0	0	0	0	0	1993
10420	160	274.4	100418	0	0	0	0	0	0	1	0	0	0	0	0	1993
10081	167	290.4	112566	0	0	0	0	0	0	1	0	0	0	0	0	1993
10179	168	327.8	136129	0	0	0	0	0	0	1	0	0	0	0	0	1993
10261	145	301.3	116996	0	0	0	0	0	0	0	1	0	0	0	0	1993
10018	168	291.1	107666	0	0	0	0	0	0	0	1	0	0	0	0	1993
10211	167	308.9	122262	0	0	0	0	0	0	0	1	0	0	0	0	1993
10205	168	322.2	131820	0	0	0	0	0	0	0	1	0	0	0	0	1993
10111	168	316.3	127017	0	0	0	0	0	0	0	1	0	0	0	0	1993
10115	168	277.3	97072	0	0	0	0	0	0	0	0	1	0	0	0	1993
10143	168	321.7	128796	0	0	0	0	0	0	0	0	1	0	0	0	1993
10300	109	315.0	124442	0	0	0	0	0	0	0	0	1	0	0	1	1993
10039	168	316.7	126832	0	0	0	0	0	0	0	0	1	0	0	0	1993
10629	11	165.5	30801	0	0	0	0	0	0	0	0	0	1	0	0	1993
10526	137	226.4	64132	0	0	0	0	0	0	0	0	0	0	1	1	1993
11163	45	189.6	43955	0	0	0	0	0	0	0	0	0	0	1	1	1993
10379	105	242.2	75192	0	0	0	0	0	0	0	0	0	0	1	1	1993
10886	107	162.8	27446	0	0	0	0	0	0	0	0	0	0	1	0	1993
10092	168	267.3	83672	1	0	0	0	0	0	0	0	0	0	0	0	1994
9862	168	373.8	154200	1	0	0	0	0	0	0	0	0	0	0	0	1994
9968	168	296.3	100772	1	0	0	0	0	0	0	0	0	0	0	0	1994
10120	168	405.8	166334	1	0	0	0	0	0	0	0	0	0	0	0	1994
10096	168	407.6	167534	0	1	0	0	0	0	0	0	0	0	0	0	1994
10040	168	427.2	182517	0	1	0	0	0	0	0	0	0	0	0	0	1994
9975	23	378.3	149905	0	1	0	0	0	0	0	0	0	0	0	0	1994
10061	76	354.9	136534	0	0	0	1	0	0	0	0	0	0	0	1	1994
10357	154	336.1	119122	0	0	0	1	0	0	0	0	0	0	0	0	1994
10222	168	390.1	154336	0	0	0	1	0	0	0	0	0	0	0	0	1994
10048	168	430.3	185999	0	0	0	1	0	0	0	0	0	0	0	0	1994
9573	168	390.3	164160	0	0	0	0	1	0	0	0	0	0	0	0	1994
9945	168	311.6	118556	0	0	0	0	1	0	0	0	0	0	0	0	1994
10517	168	266.5	90096	0	0	0	0	1	0	0	0	0	0	0	0	1994
10361	168	262.2	86434	0	0	0	0	1	0	0	0	0	0	0	0	1994
10549	168	253.2	79757	0	0	0	0	1	0	0	0	0	0	0	0	1994
10484	168	252.4	80410	0	0	0	0	0	1	0	0	0	0	0	0	1994
10483	168	264.7	91410	0	0	0	0	0	1	0	0	0	0	0	0	1994

Data Base for DANIEL 1 Target Heat Rate Equation

HR	HOUR	AWM	LBRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10352	168	249.1	80963	0	0	0	0	0	1	0	0	0	0	0	0	1994
10662	168	198.5	48416	0	0	0	0	0	1	0	0	0	0	0	0	1994
10718	168	207.3	55575	0	0	0	0	0	0	1	0	0	0	0	0	1994
10965	168	182.6	37478	0	0	0	0	0	0	1	0	0	0	0	0	1994
10324	131	281.8	185546	0	0	0	0	0	0	1	0	0	0	0	1	1994
10426	168	Z 1.9	83486	0	0	0	0	0	0	1	0	0	0	0	0	1994
10031	168	348.4	141102	0	0	0	0	0	0	0	1	0	0	0	0	1994
10090	168	378.0	161966	0	0	0	0	0	0	0	1	0	0	0	0	1994
10469	168	357.4	146750	0	0	0	0	0	0	0	1	0	0	0	0	1994
10141	168	344.6	138508	0	0	0	0	0	0	0	1	0	0	0	0	1994
10222	168	355.3	145979	0	0	0	0	0	0	0	1	0	0	0	0	1994
10314	167	331.0	126090	0	0	0	0	0	0	0	0	1	0	0	0	1994
10188	168	383.3	163103	0	0	0	0	0	0	0	0	1	0	0	0	1994
10420	113	355.6	141720	0	0	0	0	0	0	0	0	1	0	0	1	1994
10412	81	392.6	170141	0	0	0	0	0	0	0	0	1	0	0	1	1994
9783	24	453.9	211989	0	0	0	0	0	0	0	0	1	0	0	0	1994

Data Base for DANIEL 1 Target Heat Rate Equation

HR Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.

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

AW 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	AWJ	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
10697	97	405.2	189609	0	0	0	0	0	0	0	0	0	1	0	0	1991
9926	140	381.1	170214	0	0	0	0	0	0	0	0	0	1	0	1	1991
10073	164	393.6	181772	0	0	0	0	0	0	0	0	0	1	0	0	1991
10008	168	398.2	185062	0	0	0	0	0	0	0	0	0	1	0	0	1991
10207	116	409.6	193111	0	0	0	0	0	0	0	0	0	0	1	1	1991
9890	168	433.7	208249	0	0	0	0	0	0	0	0	0	0	1	0	1991
9951	168	417.8	199782	0	0	0	0	0	0	0	0	0	0	1	0	1991
10019	168	401.2	187073	0	0	0	0	0	0	0	0	0	0	1	0	1991
9978	168	376.0	168717	0	0	0	0	0	0	0	0	0	0	1	0	1991
10603	168	214.7	53235	0	0	0	0	0	0	0	0	0	0	0	0	1991
11083	165	185.1	38544	0	0	0	0	0	0	0	0	0	0	0	0	1991
10989	168	185.9	37657	0	0	0	0	0	0	0	0	0	0	0	0	1991
11094	168	179.0	34431	0	0	0	0	0	0	0	0	0	0	0	0	1991
10874	83	212.0	51087	1	0	0	0	0	0	0	0	0	0	0	0	1992
10567	106	262.1	76132	0	0	0	1	0	0	0	0	0	0	0	1	1992
10011	168	330.4	128749	0	0	0	0	1	0	0	0	0	0	0	0	1992
10235	168	259.1	88363	0	0	0	0	1	0	0	0	0	0	0	0	1992
10201	168	277.1	96129	0	0	0	0	1	0	0	0	0	0	0	0	1992
10294	168	257.1	82974	0	0	0	0	1	0	0	0	0	0	0	0	1992
11229	38	158.3	25428	0	0	0	0	1	0	0	0	0	0	0	0	1992
10699	164	260.9	83877	0	0	0	0	0	1	0	0	0	0	0	1	1992
10847	71	218.4	58935	0	0	0	0	0	1	0	0	0	0	0	1	1992
10475	167	234.9	70159	0	0	0	0	0	0	1	0	0	0	0	0	1992
10225	168	330.4	136022	0	0	0	0	0	0	1	0	0	0	0	0	1992
10805	167	199.1	46799	0	0	0	0	0	0	1	0	0	0	0	0	1992
10556	168	207.7	52621	0	0	0	0	0	0	1	0	0	0	0	0	1992
10664	168	185.5	39731	0	0	0	0	0	0	0	1	0	0	0	0	1992
10330	168	267.1	93215	0	0	0	0	0	0	0	1	0	0	0	0	1992
10281	168	256.1	82785	0	0	0	0	0	0	0	1	0	0	0	0	1992
10442	168	222.8	61847	0	0	0	0	0	0	0	1	0	0	0	0	1992
11219	19	149.3	22291	0	0	0	0	0	0	0	1	0	0	0	0	1992
11566	19	261.4	74592	0	0	0	0	0	0	0	0	1	0	0	1	1992
10935	46	188.8	48822	0	0	0	0	0	0	0	0	1	0	0	0	1992
9466	35	281.8	102407	0	0	0	0	0	0	0	0	0	1	0	1	1992
9441	168	310.1	123797	0	0	0	0	0	0	0	0	0	1	0	0	1992
9836	168	325.8	135194	0	0	0	0	0	0	0	0	0	1	0	0	1992
9881	168	346.9	149544	0	0	0	0	0	0	0	0	0	0	1	0	1992
9958	168	313.9	127471	0	0	0	0	0	0	0	0	0	0	1	0	1992
9994	167	299.3	116639	0	0	0	0	0	0	0	0	0	0	1	0	1992
9790	46	378.3	168080	0	0	0	0	0	0	0	0	0	0	1	0	1992
10731	94	201.8	49950	0	0	0	0	0	0	0	0	0	0	0	1	1992
10507	64	273.4	102011	1	0	0	0	0	0	0	0	0	0	0	1	1993
9730	168	298.8	106807	1	0	0	0	0	0	0	0	0	0	0	0	1993
10282	155	366.7	146943	1	0	0	0	0	0	0	0	0	0	0	0	1993
9549	107	192.8	45567	0	0	1	0	0	0	0	0	0	0	0	1	1993
10158	168	204.4	51524	0	0	1	0	0	0	0	0	0	0	0	0	1993
10548	168	181.0	36716	0	0	1	0	0	0	0	0	0	0	0	0	1993

Data Base for DANIEL 2 Target Heat Rate Equation

HR	HOUR	AW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10122	167	253.3	84964	0	0	0	1	0	0	0	0	0	0	0	0	1993
10545	168	181.8	38902	0	0	0	1	0	0	0	0	0	0	0	0	1993
10160	168	231.0	64426	0	0	0	1	0	0	0	0	0	0	0	0	1993
9991	167	280.5	104314	0	0	0	1	0	0	0	0	0	0	0	0	1993
9648	168	327.3	138364	0	0	0	0	1	0	0	0	0	0	0	0	1993
9580	168	369.5	163797	0	0	0	0	1	0	0	0	0	0	0	0	1993
10294	168	232.8	72455	0	0	0	0	1	0	0	0	0	0	0	0	1993
10948	168	159.8	26309	0	0	0	0	1	0	0	0	0	0	0	0	1993
10675	168	190.5	44569	0	0	0	0	1	0	0	0	0	0	0	0	1993
10093	160	295.3	112190	0	0	0	0	0	1	0	0	0	0	0	0	1993
10215	168	286.0	105944	0	0	0	0	0	1	0	0	0	0	0	0	1993
10586	168	262.1	87621	0	0	0	0	0	1	0	0	0	0	0	0	1993
10975	168	223.0	65231	0	0	0	0	0	1	0	0	0	0	0	0	1993
10495	168	316.4	123805	0	0	0	0	0	0	1	0	0	0	0	0	1993
10156	168	310.7	124835	0	0	0	0	0	0	1	0	0	0	0	0	1993
9837	168	351.0	152563	0	0	0	0	0	0	1	0	0	0	0	0	1993
10095	168	340.0	145363	0	0	0	0	0	0	1	0	0	0	0	0	1993
10087	168	323.4	132357	0	0	0	0	0	0	0	1	0	0	0	9	1993
9890	168	313.9	124037	0	0	0	0	0	0	0	1	0	0	0	0	1993
10056	168	325.4	134804	0	0	0	0	0	0	0	1	0	0	0	0	1993
10258	166	324.3	134481	0	0	0	0	0	0	0	1	0	0	0	0	1993
10257	168	324.9	131237	0	0	0	0	0	0	0	1	0	0	0	0	1993
10431	85	294.9	113085	0	0	0	0	0	0	0	0	1	0	0	0	1993
10997	20	300.0	113348	0	0	0	0	0	0	0	0	1	0	0	1	1993
10064	168	313.6	124514	0	0	0	0	0	0	0	0	1	0	0	0	1993
10271	168	334.3	138915	0	0	0	0	0	0	0	0	1	0	0	0	1993
10357	24	312.5	121950	0	0	0	0	0	0	0	0	1	0	0	0	1993
10093	168	330.3	134791	0	0	0	0	0	0	0	0	0	1	0	0	1993
9957	168	310.8	118560	0	0	0	0	0	0	0	0	0	1	0	0	1993
9959	168	333.1	134635	0	0	0	0	0	0	0	0	0	1	0	0	1993
11139	41	159.4	26285	0	0	0	0	0	0	0	0	0	1	0	0	1993
10424	107	233.0	67469	0	0	0	0	0	0	0	0	0	0	1	1	1993
10102	71	379.9	169841	1	0	0	0	0	0	0	0	0	0	0	1	1994
9820	22	269.9	85801	1	0	0	0	0	0	0	0	0	0	0	0	1994
9965	167	364.1	135503	0	0	1	0	0	0	0	0	0	0	0	1	1994
9895	168	423.3	179245	0	0	1	0	0	0	0	0	0	0	0	0	1994
9977	167	408.2	169741	0	0	1	0	0	0	0	0	0	0	0	0	1994
9955	167	423.8	179662	0	0	0	1	0	0	0	0	0	0	0	0	1994
10059	168	420.6	177116	0	0	0	1	0	0	0	0	0	0	0	0	1994
9973	168	422.7	178764	0	0	0	1	0	0	0	0	0	0	0	0	1994
9909	168	432.0	187246	0	0	0	1	0	0	0	0	0	0	0	0	1994
9307	168	412.6	180511	0	0	0	0	1	0	0	0	0	0	0	0	1994
9749	167	345.8	142954	0	0	0	0	1	0	0	0	0	0	0	0	1994
10218	168	293.1	105268	0	0	0	0	1	0	0	0	0	0	0	0	1994
10009	101	321.6	128769	0	0	0	0	1	0	0	0	0	0	0	1	1994
10667	59	253.2	81277	0	0	0	0	1	0	0	0	0	0	0	1	1994
10151	168	280.4	99429	0	0	0	0	0	1	0	0	0	0	0	0	1994

Data Base for DANIEL 2 Target Heat Rate Equation

HR	RCUR	AMJ	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10349	168	286.0	106073	0	0	0	0	0	1	0	0	0	0	0	0	1994
10140	168	276.9	97922	0	0	0	0	0	1	0	0	0	0	0	0	1994
10080	168	291.6	90683	0	0	0	0	0	1	0	0	0	0	0	0	1994
10145	168	285.7	90395	0	0	0	0	0	0	1	0	0	0	0	0	1994
* 11937	108	216.1	52940	0	0	0	0	0	0	1	0	0	0	0	1	1994
9514	168	310.3	120378	0	0	0	0	0	0	1	0	0	0	0	0	1994
10750	168	311.3	112002	0	0	0	0	0	0	1	0	0	0	0	0	1994
* 8489	168	382.2	158118	0	0	0	0	0	0	0	1	0	0	0	0	1994
10196	120	384.9	165371	0	0	0	0	0	0	0	1	0	0	0	1	1994
10112	168	410.7	181315	0	0	0	0	0	0	0	1	0	0	0	0	1994
9953	168	394.8	168314	0	0	0	0	0	0	0	1	0	0	0	0	1994
10050	168	402.6	176643	0	0	0	0	0	0	0	1	0	0	0	0	1994
9973	168	361.0	141289	0	0	0	0	0	0	0	0	1	0	0	0	1994
10172	168	385.5	161130	0	0	0	0	0	0	0	0	1	0	0	0	1994
10130	168	375.2	151753	0	0	0	0	0	0	0	0	1	0	0	0	1994
10081	168	388.1	165912	0	0	0	0	0	0	0	0	1	0	0	0	1994
9747	24	446.4	205732	0	0	0	0	0	0	0	0	1	0	0	0	1994

Calculation of
Target Average Net Operating Heat Rates
for April 1995 - September 1995

Unit	Month	(1)	(2)	(3)	(4)	(5)
		Forecast AKM * 10 ⁻³	Forecast LSRF * 10 ⁻⁶	Forecast Monthly ANORR	Forecast AKM * 10 ⁻³ Generation	Weighted ANORR Target
CRIST 6	Apr '95	175.5	35,657	10,797	99,690	
	May '95	150.3	26,373	11,072	49,310	
	Jun '95	174.1	35,126	11,049	114,390	
	Jul '95	212.3	50,295	10,715	144,180	
	Aug '95	215.5	51,629	10,613	146,340	
Sep '95	174.5	35,277	10,807	80,250	10,804	
CRIST 7	Apr '95	279.8	92,893	10,704	81,980	
	May '95	237.7	67,262	11,063	154,730	
	Jun '95	282.3	94,453	10,686	177,860	
	Jul '95	345.5	135,301	10,518	224,890	
	Aug '95	345.4	135,234	10,560	224,860	
Sep '95	287.7	97,837	10,650	138,960	10,675	
SMITH 1	Apr '95	141.3	20,823	10,186	41,540	
	May '95	136.6	19,666	10,213	96,010	
	Jun '95	152.5	23,651	10,127	103,710	
	Jul '95	153.0	23,779	10,124	107,540	
	Aug '95	155.8	34,503	10,111	109,520	
Sep '95	147.0	22,249	10,155	73,350	10,147	

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

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

Calculation of
Target Average Net Operating Heat Rates
for April 1995 - September 1995

Unit	Month	(1)	(2)	(3)	(4)	(5)
		Forecast AOM * 10 ³	Forecast LSRF * 10 ⁶	Forecast Monthly ANOMR	Forecast AOM * 10 ³ Generation	Weighted ANOMR Target
SMITH 2	Apr '95	155.5	25,999	10,437	73,230	10,270
	May '95	152.2	25,116	10,269	98,960	
	Jun '95	173.2	30,836	10,406	116,540	
	Jul '95	174.5	31,198	10,186	121,290	
	Aug '95	178.7	32,373	10,173	124,220	
	Sep '95	165.5	28,711	10,217	111,410	
DANIEL 1	Apr '95	340.3	132,674	10,206	237,210	10,291
	May '95	230.8	67,234	10,601	145,180	
	Jun '95	295.3	105,902	10,333	206,140	
	Jul '95	341.5	133,385	10,203	246,550	
	Aug '95	336.2	130,241	10,216	242,740	
	Sep '95	295.3	105,902	10,333	151,200	
DANIEL 2	Apr '95	368.4	156,372	10,003	261,550	10,107
	May '95	252.7	82,955	10,155	173,620	
	Jun '95	317.1	124,049	10,134	225,460	
	Jul '95	351.7	145,890	10,041	258,150	
	Aug '95	346.3	142,492	10,055	254,180	
	Sep '95	313.2	121,577	10,302	222,650	

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

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

II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
 Target Equivalent Availabilities
 for April 1995 - September 1995

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR	Planned Outage Hours for Apr '94 - Sep '95	Reserve Shutdown Hours for Apr '94 - Sep '95	Target Equivalent Availability *
Crist 6	0.1180	576	0	76.6
Crist 7	0.1627	384	0	76.4
Smith 1	0.0630	576	0	81.4
Smith 2	0.0773	215	0	87.7
Daniel 1	0.0533	192	0	90.5
Daniel 2	0.0248	0	0	97.5

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

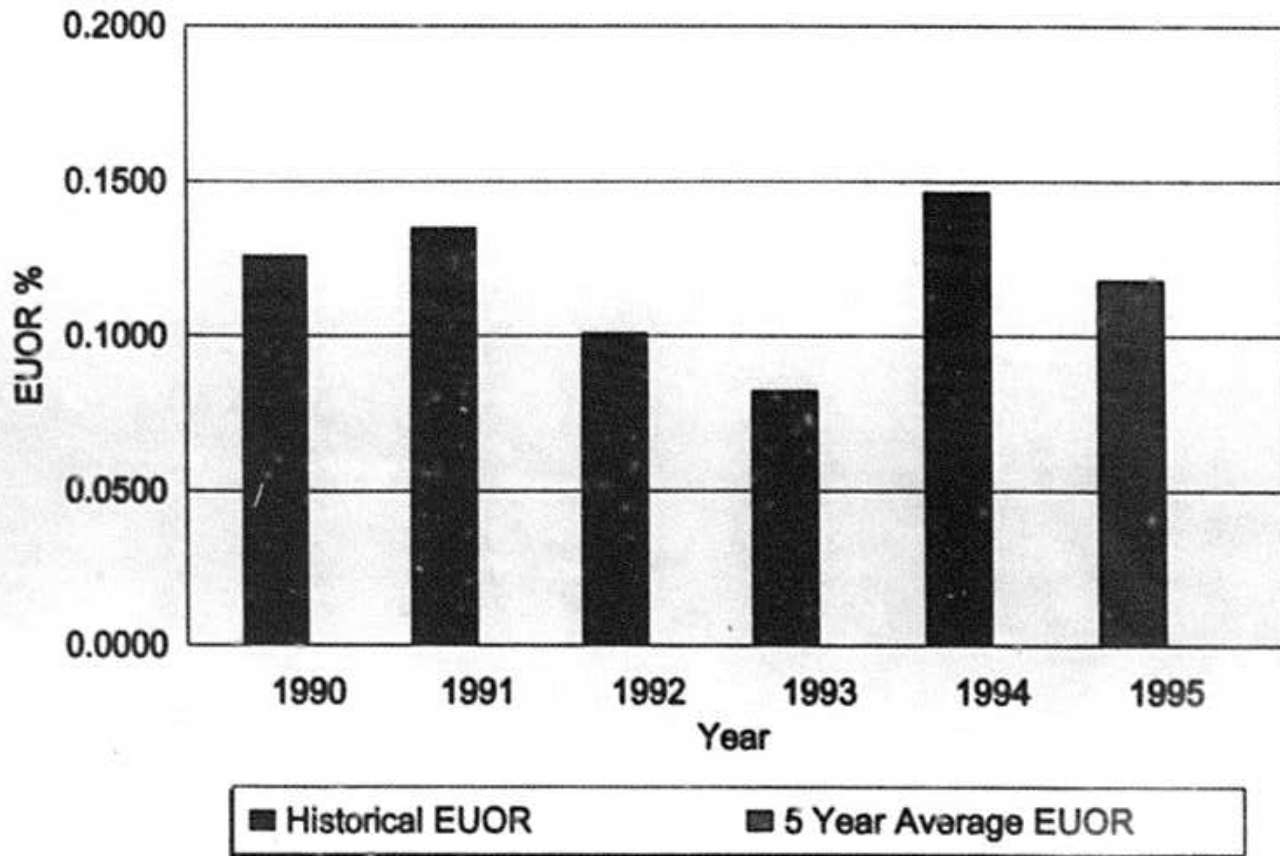
Calculation of Maximum and Minimum
Attainable Equivalent Availabilities
for April 1995 - September 1995

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	0.1180	0.0826	79.7	0.1711	72.0
Crist 7	0.1627	0.1139	80.9	0.2359	69.7
Smith 1	0.0630	0.0441	83.1	0.0914	78.9
Smith 2	0.0773	0.0541	90.0	0.1121	84.4
Daniel 1	0.0533	0.0373	92.1	0.0773	88.2
Daniel 2	0.0248	0.0174	98.3	0.0360	96.4

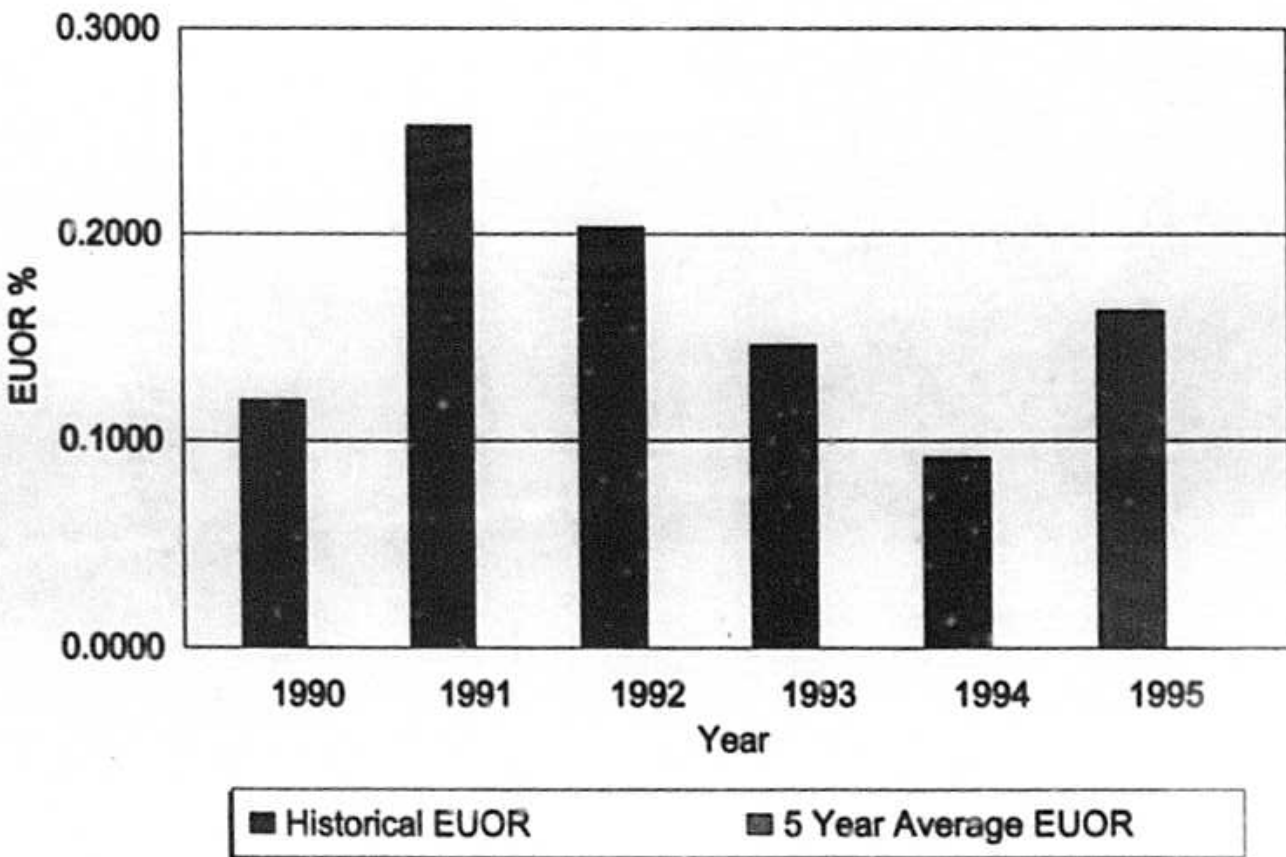
Summary of Target, Maximum, and Minimum
Equivalent Availabilities
for April 1995 - September 1995

Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Crist 6	76.6	79.7	72.0
Crist 7	76.4	80.9	69.7
Smith 1	81.4	83.1	78.9
Smith 2	87.7	90.0	84.4
Daniel 1	90.5	92.1	88.2
Daniel 2	97.5	98.3	96.4

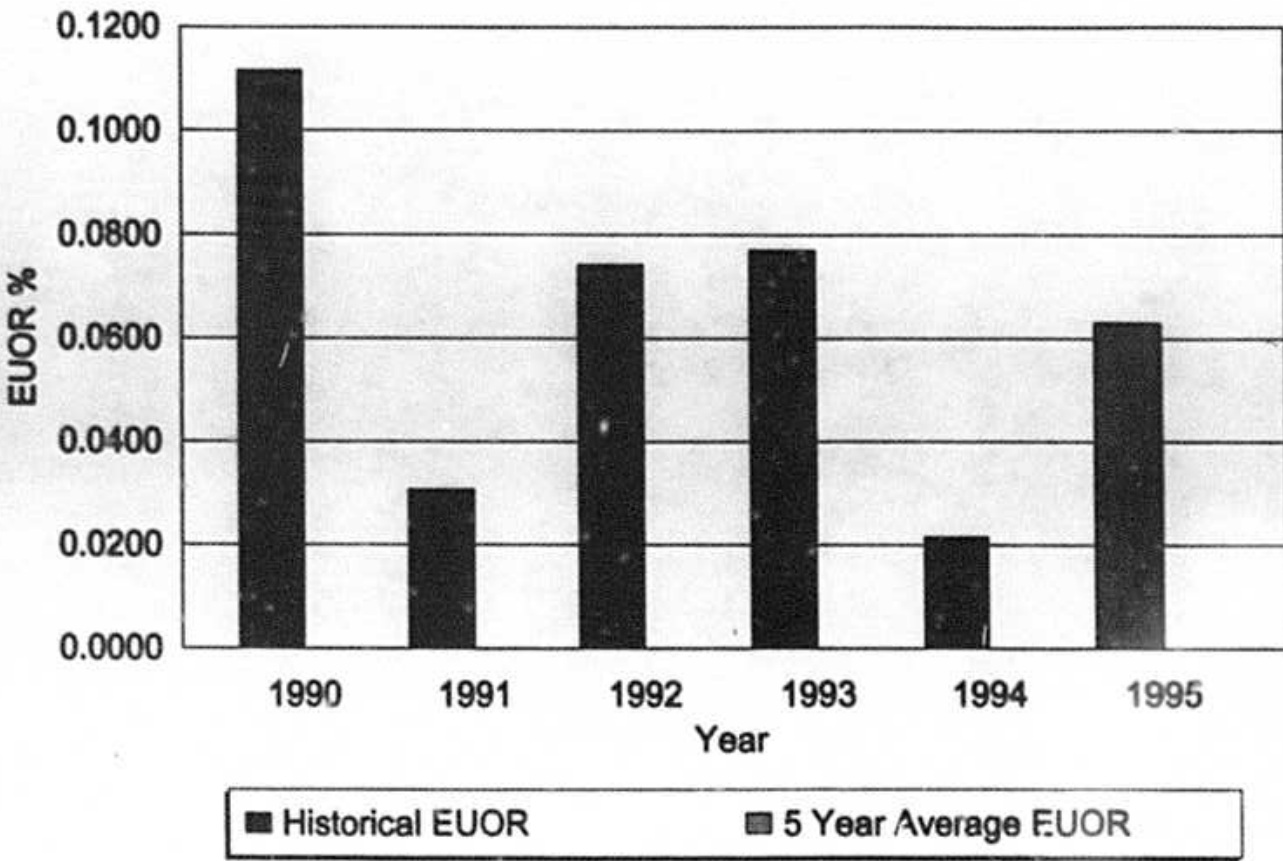
EUOR VS. YEAR
CRIST 6 April - September



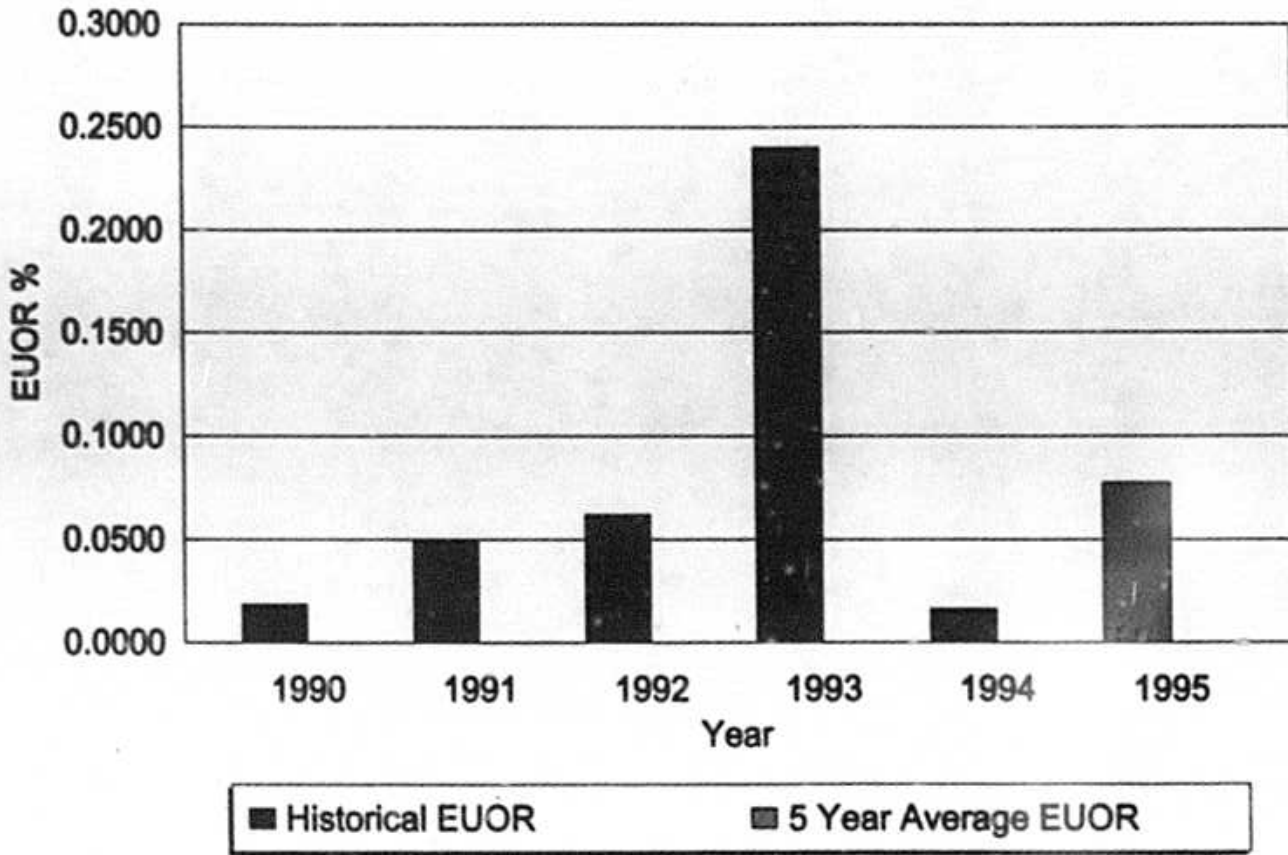
EUOR VS. YEAR
CRIST 7 April - September



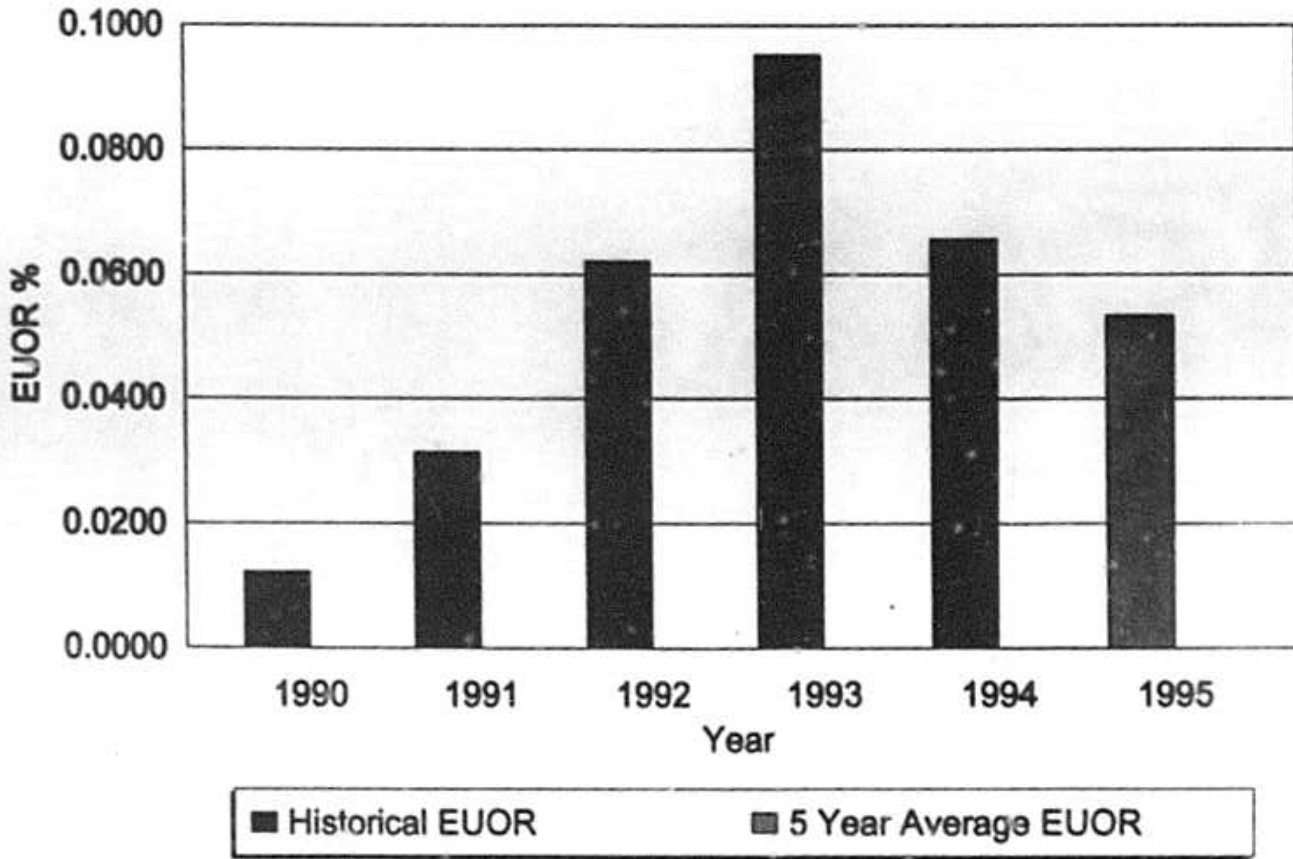
EUOR VS. YEAR
SMITH 1 April - September



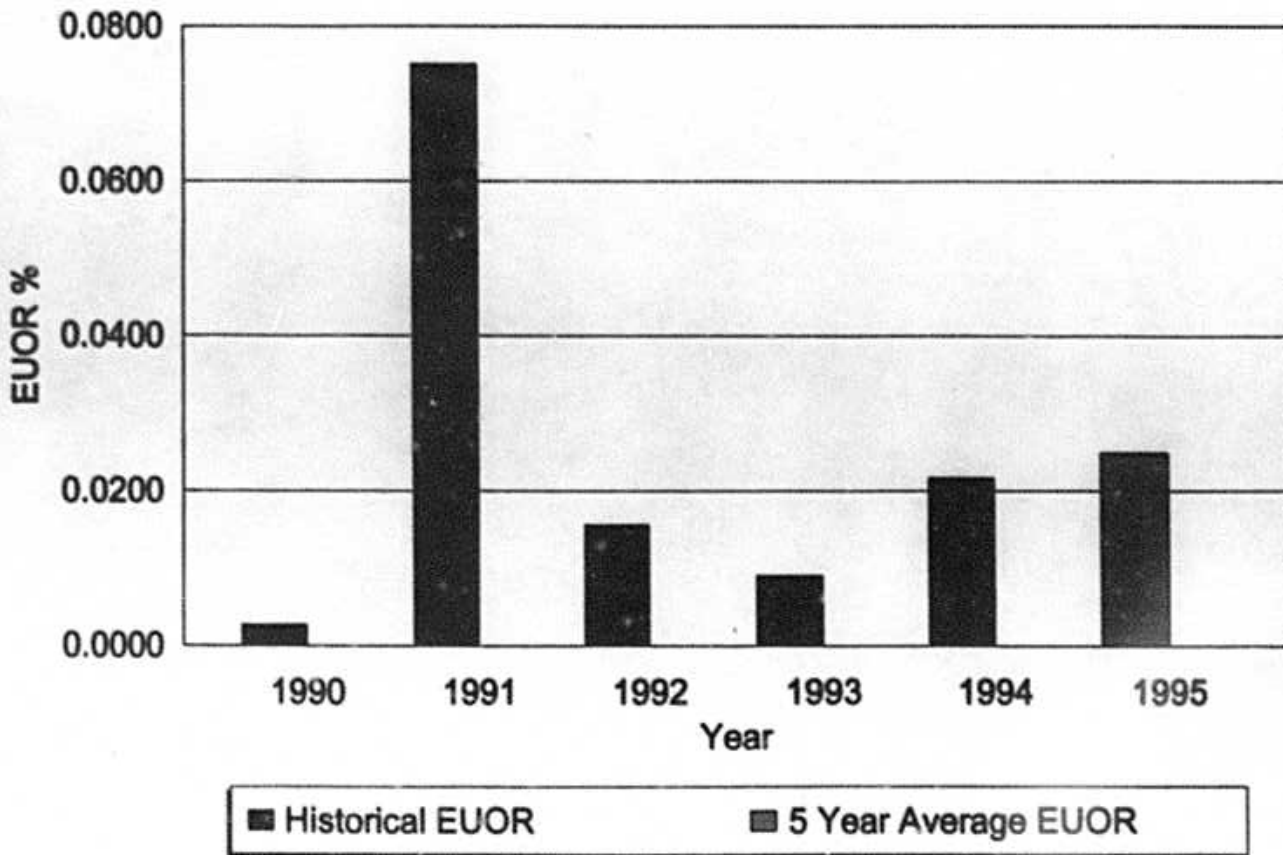
EUOR VS. YEAR
SMITH 2 April - September



EUOR VS. YEAR
DANIEL 1 April - September



EUOR VS. YEAR
DANIEL 2 April - September



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

CONTENTS	SCHEDULE 3
	PAGE
GPIF Reward/Penalty Table (Estimated)	3
GPIF Calculation of Maximum Allowed Incentive Dollars	4
GPIF Target and Range Summary	5
Comparison of GPIF Targets vs. Prior Seasons' Actual Performance for Availability	6 - 7
Comparison of GPIF Targets vs. Prior Seasons' Actual Performance for ANOIR	8
Example Calculation of Prior Season ANOIR	9
Derivation of Weighting Factors	10
GPIF Unit Point Tables	11 - 16
Estimated Unit Performance Data	17 - 23
Planned Outage Schedules	24 - 25

Generating Performance Incentive Factor

Estimated Reward/Penalty Table

Gulf Power Company

Period of: April 1995 - September 1995

Generating Performance Incentive Factor Points	Fuel Saving/Loss (\$000)	Generating Performance Incentive Factor (\$000)
	Maximum Attainable Fuel Savings	Maximum Incentive Dollars Allowed by Commission During Period (Reward)
+ 10	3551	821
+ 9	3196	739
+ 8	2841	657
+ 7	2486	575
+ 6	2131	493
+ 5	1776	411
+ 4	1420	329
+ 3	1065	246
+ 2	710	164
+ 1	355	82
0	0	0
- 1	-412	-82
- 2	-824	-164
- 3	-1237	-246
- 4	-1649	-329
- 5	-2061	-411
- 6	-2473	-493
- 7	-2885	-575
- 8	-3298	-657
- 9	-3710	-739
- 10	-4122	-821
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

Issued by: T. J. Bowden

Page 3 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-E1
Order No.:

Generating Performance Incentive Factor
Calculation of Maximum Allowed Incentive Dollars

Estimated

Gulf Power Company

Period of: April 1995 - September 1995

Line 1	Beginning of Period Balance of Common Equity	\$417,245,000
	End of Month Balance of Common Equity:	
Line 2	Month of Apr '95	\$406,537,000
Line 3	Month of May '95	\$411,227,000
Line 4	Month of Jun '95	\$411,938,000
Line 5	Month of Jul '95	\$406,997,000
Line 6	Month of Aug '95	\$415,622,000
Line 7	Month of Sep '95	\$414,427,000
Line 8	Average Common Equity for the Period (sum of line 1 through line 7 divided by 7)	\$411,999,000
Line 9	25 Basis Points	0.0025
Line 10	Revenue Expansion Factor	60.4524%
Line 11	Maximum Allowed Incentive Dollars (line 8 multiplied by line 9 divided by line 10 multiplied by 0.5)	\$851,908
Line 12	Jurisdictional Sales (\$MM)	4,609,007,000
Line 13	Total Territorial Sales (\$MM)	4,780,451,000
Line 14	Jurisdictional Separation Factor (line 12 divided by line 13)	96.4136%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (line 11 multiplied by line 14)	\$821,355

Issued by: T. J. Bowden

Page 4 of 25
Schedule 3

Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-EI
Order No.:

GPIF Unit Performance Summary

Gulf Power Company

Period of: April 1995 - September 1995

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range		Max Fuel Savings (\$000)	Max Fuel Loss (\$000)
			Max %	Min %		
Crist 6	1.0%	76.6	79.7	72.0	\$36	(\$44)
Crist 7	1.7%	76.4	80.9	69.7	\$60	(\$93)
Smith 1	0.8%	81.4	83.1	78.9	\$30	(\$36)
Smith 2	1.0%	87.7	90.0	84.4	\$36	(\$71)
Daniel 1	2.5%	90.5	92.1	88.2	\$88	(\$152)
Daniel 2	2.7%	97.5	98.3	96.4	\$97	(\$522)

Plant & Unit	Weighting Factor %	ANORR Target BTU/KWH	Target MOF	ANORR Range		Max Fuel Savings (\$000)	Max Fuel Loss (\$000)
				Min BTU/KWH	Max BTU/KWH		
Crist 6	11.0%	10,804	59.3	10,480	11,128	\$390	(\$390)
Crist 7	17.4%	10,675	59.3	10,355	10,995	\$619	(\$619)
Smith 1	8.5%	10,147	92.2	9,843	10,451	\$301	(\$301)
Smith 2	10.4%	10,270	87.6	9,962	10,578	\$369	(\$369)
Daniel 1	20.2%	10,291	62.2	9,982	10,600	\$716	(\$716)
Daniel 2	22.8%	10,107	65.5	9,804	10,610	\$809	(\$809)

Issued by: T. J. Bowden

Page 5 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-E1
Order No.:

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: April 1995 - September 1995

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target			Actual Performance 1st Prior Period Apr '94 - Sep '94			Actual Performance 2nd Prior Period Apr '93 - Sep '93		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
			Crist 6	1.0%	10.4%	0.1312	0.1025	0.1180	0.2366	0.0951	0.1464
Crist 7	1.7%	17.3%	0.0875	0.1485	0.1627	0.0000	0.0849	0.0917	0.3007	0.1020	0.1459
Smith 1	0.8%	8.6%	0.1312	0.0547	0.0630	0.2646	0.0159	0.0216	0.0000	0.0770	0.0770
Smith 2	1.0%	10.4%	0.0490	0.0736	0.0773	0.0000	0.0164	0.0164	0.1834	0.1959	0.2400
Daniel 1	2.5%	25.4%	0.0437	0.0510	0.0533	0.0201	0.0642	0.0556	0.0000	0.0807	0.0952
Daniel 2	2.7%	28.0%	0.0000	0.0248	0.0248	0.0000	0.0205	0.0216	0.0000	0.0086	0.0091
Weighted GPIF System Average:			0.0563	0.0685	0.0743	0.0577	0.0496	0.0573	0.0710	0.0758	0.0920

Issued by: T. J. Bowden

Page 6 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-E1
Order No.:

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: April 1995 - September 1995

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Apr '92 - Sep '92			Actual Performance 4th Prior Period Apr '91 - Sep '91			Actual Performance 5th Prior Period Apr '90 - Sep '90		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 6	1.0%	10.4%	0.1569	0.0837	0.1008	0.0000	0.1255	0.1349	0.3252	0.0848	0.1254
Crist 7	1.7%	17.3%	0.1716	0.1660	0.2032	0.3446	0.1635	0.2533	0.0000	0.1130	0.1196
Smith 1	0.8%	8.6%	0.0688	0.0691	0.0742	0.0729	0.0280	0.0307	0.1273	0.0838	0.1116
Smith 2	1.0%	10.4%	0.0871	0.0556	0.0620	0.1158	0.0419	0.0492	0.0115	0.0156	0.0187
Daniel 1	2.5%	25.4%	0.0038	0.0510	0.0621	0.0634	0.0225	0.0313	0.0109	0.0107	0.0122
Daniel 2	2.7%	28.0%	0.1271	0.3089	0.0156	0.0000	0.0682	0.0751	0.0000	0.0022	0.0027
Weighted GPIF System Average:			0.0974	0.0646	0.0785	0.0940	0.0728	0.0945	0.0487	0.0405	0.0491

Issued by: T. J. Bowden

Page 7 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-EI
Order No.:

Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 6 Apr '93 - Sep '93

	Apr	May	Jun	Jul	Aug	Sep
1. Target Heat Rate*	10797	11072	11049	10715	10613	10807
2. Target Heat Rate at Actual Conditions**	10157	10254	10414	10434	10412	10451
3. Adjustments to Actual Heat Rate (1-2)	640	818	635	281	201	356
4. Actual Heat Rate for Prior Period	10125	10347	10288	10426	10420	10410
5. Adjusted actual Heat Rate (4+3)	10765	11165	10923	10707	10621	10766
6. Forecast Net MWh Generation*	99690	49310	114390	144180	146340	80250

7. Adjusted Actual Heat Rate for Apr '93 - Sep '93
 $= (\sum (5) * (6)) / (\sum (6))$

10,778

* For the April 1995 - September 1995 time period.

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

Issued by: T. J. Bouden

Page 9 of 25
 Schedule 3

Filed: January 17, 1995
 Suspended:
 Effective: April 1, 1995
 Docket No.: 950001-EI
 Order No.:

Derivation of Weighting Factors

Gulf Power Company

Period of: April 1995 - September 1995

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	\$115,172	\$115,136	\$36	1.0%
Crist 6	ANOH-R-1	\$115,172	\$114,782	\$390	11.0%
Crist 7	EA-2	\$115,172	\$115,112	\$60	1.7%
Crist 7	ANOH-R-2	\$115,172	\$114,553	\$619	17.4%
Smith 1	EA-3	\$115,172	\$115,142	\$30	0.8%
Smith 1	ANOH-R-3	\$115,172	\$114,871	\$301	8.5%
Smith 2	EA-4	\$115,172	\$115,136	\$36	1.0%
Smith 2	ANOH-R-4	\$115,172	\$114,803	\$369	10.4%
Daniel 1	EA-5	\$115,172	\$115,084	\$88	2.5%
Daniel 1	ANOH-R-5	\$115,172	\$114,456	\$716	20.2%
Daniel 2	EA-6	\$115,172	\$115,075	\$97	2.7%
Daniel 2	ANOH-R-6	\$115,172	\$114,363	\$809	22.8%

- (1) Fuel Adjustment Base Case - All unit performance indicators at target.
- (2) All other unit performance indicators at target.
- (3) Expressed in replacement energy costs. Also includes variable operating and maintenance expense savings associated with availability improvements.

Issued by: T. J. Bouden

Page 10 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-E1
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1995 - September 1995

Crist 6

Equivalent Availability Points	Fuel Savings/Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/Loss (\$000)	Adjusted Actual Heat Rate
+ 10	36	79.70	+ 10	390	10,480
+ 9	32	79.39	+ 9	351	10,505
+ 8	29	79.08	+ 8	312	10,530
+ 7	25	78.77	+ 7	273	10,555
+ 6	22	78.46	+ 6	234	10,580
+ 5	18	78.15	+ 5	195	10,605
+ 4	14	77.84	+ 4	156	10,629
+ 3	11	77.53	+ 3	117	10,654
+ 2	7	77.22	+ 2	78	10,679
+ 1	4	76.91	+ 1	39	10,704
0	0	76.60	0	0	10,729
- 1	(4)	76.14	- 1	(39)	10,804
- 2	(9)	75.68	- 2	(78)	10,879
- 3	(13)	75.22	- 3	(117)	10,994
- 4	(18)	74.76	- 4	(156)	10,929
- 5	(22)	74.30	- 5	(195)	10,954
- 6	(26)	73.84	- 6	(234)	10,979
- 7	(31)	73.38	- 7	(273)	11,004
- 8	(35)	72.92	- 8	(312)	11,028
- 9	(40)	72.46	- 9	(351)	11,053
- 10	(44)	72.00	- 10	(390)	11,078
Weighting Factor:		0.010	Weighting Factor:		0.110

Issued by: T. J. Bowden

Page 11 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-E1
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1995 - September 1995

Smith 2

Equivalent Availability Points	Fuel Savings/Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/Loss (\$000)	Adjusted Actual Heat Rate
+ 10	36	90.00	+ 10	369	9,962
+ 9	32	89.77	+ 9	332	9,985
+ 8	29	89.54	+ 8	295	10,009
+ 7	25	89.31	+ 7	258	10,032
+ 6	22	89.08	+ 6	221	10,055
+ 5	18	88.85	+ 5	185	10,079
+ 4	14	88.62	+ 4	148	10,102
+ 3	11	88.39	+ 3	111	10,125
+ 2	7	88.16	+ 2	74	10,148
+ 1	4	87.95	+ 1	37	10,172
0	0	87.70	0	0	10,195
- 1	(7)	87.57	- 1	(37)	10,270
- 2	(14)	87.04	- 2	(74)	10,345
- 3	(21)	86.71	- 3	(111)	10,368
- 4	(28)	86.38	- 4	(148)	10,392
- 5	(36)	86.05	- 5	(185)	10,415
- 6	(43)	85.72	- 6	(221)	10,438
- 7	(50)	85.39	- 7	(258)	10,462
- 8	(57)	85.06	- 8	(295)	10,485
- 9	(64)	84.73	- 9	(332)	10,508
- 10	(71)	84.40	- 10	(369)	10,531
Weighting Factor:		0.010	Weighting Factor:		0.104

Issued by: T. J. Bouden

Page 14 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-E1
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1995 - September 1995

Daniel 1

Equivalent Availability Points	Fuel Savings/Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/Loss (\$000)	Adjusted Actual Heat Rate
+ 10	88	92.10	+ 10	716	9,382
+ 9	79	91.94	+ 9	644	10,085
+ 8	70	91.78	+ 8	573	10,029
+ 7	62	91.62	+ 7	501	10,052
+ 6	53	91.46	+ 6	430	10,076
+ 5	44	91.30	+ 5	358	10,099
+ 4	35	91.14	+ 4	286	10,122
+ 3	26	90.98	+ 3	215	10,146
+ 2	18	90.82	+ 2	143	10,169
+ 1	9	90.66	+ 1	72	10,193
0	0	90.50	0	0	10,216
				0	10,291
				0	10,366
- 1	(15)	90.27	- 1	(72)	10,389
- 2	(30)	90.04	- 2	(143)	10,413
- 3	(46)	89.81	- 3	(215)	10,436
- 4	(61)	89.58	- 4	(286)	10,460
- 5	(76)	89.35	- 5	(358)	10,483
- 6	(91)	89.12	- 6	(430)	10,506
- 7	(106)	88.89	- 7	(501)	10,530
- 8	(122)	88.66	- 8	(573)	10,553
- 9	(137)	88.43	- 9	(644)	10,577
- 10	(152)	88.20	- 10	(716)	10,600
Weighting Factor:		0.025	Weighting Factor:		0.202

Issued by: T. J. Bowden

Page 15 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-E1
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1995 - September 1995

Daniel 2

Equivalent Availability Points	Fuel Savings/Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/Loss (\$000)	Adjusted Actual Heat Rate
+ 10	97	98.30	+ 10	809	9,804
+ 9	87	98.22	+ 9	728	9,827
+ 8	78	98.14	+ 8	647	9,850
+ 7	68	98.06	+ 7	566	9,872
+ 6	58	97.98	+ 6	485	9,895
+ 5	49	97.90	+ 5	405	9,918
+ 4	39	97.82	+ 4	324	9,941
+ 3	29	97.74	+ 3	243	9,964
+ 2	19	97.66	+ 2	162	9,986
+ 1	10	97.58	+ 1	81	10,009
0	0	97.50	0	0	10,032
- 1	(52)	97.39	- 1	(81)	10,107
- 2	(104)	97.28	- 2	(162)	10,182
- 3	(157)	97.17	- 3	(243)	10,205
- 4	(209)	97.06	- 4	(324)	10,228
- 5	(261)	96.95	- 5	(405)	10,250
- 6	(313)	96.84	- 6	(485)	10,273
- 7	(365)	96.73	- 7	(566)	10,296
- 8	(418)	96.62	- 8	(647)	10,319
- 9	(470)	96.51	- 9	(728)	10,342
- 10	(522)	96.40	- 10	(809)	10,364
Weighting Factor:		0.027	Weighting Factor:		0.228

Issued by: T. J. Bouden

Page 16 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

Issued by: T. J. Bowden

Page 17 of 25
Schedule 3

Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-E1
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1995 - September 1995

CRIST 6	Apr '95	May '95	Jun '95	Jul '95	Aug '95	Sep '95	Total
1. EAF (%)	79.0	44.1	91.3	90.9	90.9	63.0	76.6
2. POF (%)	0.0	51.6	0.0	0.0	0.0	26.7	13.1
3. EUOF (%)	21.0	4.3	8.7	9.1	9.1	9.4	10.3
4. EUOR (%)	21.0	8.9	8.8	9.1	9.1	12.9	11.8
5. PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6. SH	568.0	328.0	657.0	679.0	679.0	460.0	3371.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	151.0	416.0	63.0	65.0	65.0	260.0	1020.0
9. POH	0.0	384.0	0.0	0.0	0.0	192.0	576.0
10. FOH & EFOH	55.0	32.0	63.0	68.0	68.0	44.0	330.0
11. HOH & EHOH	96.0	0.0	0.0	0.0	0.0	24.0	120.0
12. Oper MBtu	1076353.0	545960.0	1263895.0	1544809.0	1553106.0	867262.0	6851465.0
13. Net Gen (MWH)	99690.0	49310.0	114390.0	144180.0	146340.0	80250.0	634160.0
14. ANOHR (Btu/KWH)	10797.0	11072.0	11049.0	10715.0	10613.0	10807.0	10804.0
15. EUOF %	55.4	47.4	54.9	67.0	68.0	55.0	59.3
16. NPC (MW)	317.0	317.0	317.0	317.0	317.0	317.0	317.0
19. ANOHR Equation	$10^{-4} / \text{ANR} * [146.52 + 49.84 * \text{JAN} + 41.96 * \text{JUN} + 47.91 * \text{JUL} + 31.63 * \text{AUG} - 33.35 * \text{OCT}]$ $+ 10.948 - 0.00485 * \text{LSRF} / \text{ANR}$						

Issued by: T. J. Bowden

Page 18 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-E1
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1995 - September 1995

CRIST 7	Apr '95	May '95	Jun '95	Jul '95	Aug '95	Sep '95	Total
1. EAF (%)	40.8	87.5	87.5	87.5	87.0	67.1	76.4
2. POF (%)	53.4	0.0	0.0	0.0	0.0	0.0	8.7
3. EUDF (%)	5.8	12.5	12.5	12.5	13.0	32.9	14.9
4. EUOR (%)	12.5	12.5	12.5	12.5	13.0	32.9	16.3
5. PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6. SH	293.0	651.0	630.0	651.0	651.0	483.0	3359.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	426.0	93.0	90.0	93.0	93.0	237.0	1032.0
9. POH	384.0	0.0	0.0	0.0	0.0	0.0	384.0
10. FOH & EFOH	42.0	93.0	90.0	93.0	97.0	69.0	484.0
11. MOH & EMOH	0.0	0.0	0.0	0.0	0.0	168.0	168.0
12. Oper MBtu	877514.0	1711778.0	1900612.0	2365393.0	2374522.0	1479924.0	10709743.0
13. Net Gen (MMH)	81980.0	154730.0	177060.0	224890.0	224860.0	138960.0	1003280.0
14. ANOHR (Btu/KWH)	10704.0	11063.0	10686.0	10518.0	10560.0	10650.0	10675.0
15. NOF %	55.5	47.2	56.0	68.5	68.5	57.1	59.3
16. NPC (MW)	504.0	504.0	504.0	504.0	504.0	504.0	504.0
19. ANOHR Equation	$10^{-6} / \text{ANR} = [916.48 + 42.72 * \text{JAN} + 58.10 * \text{JUL} + 72.40 * \text{AUG} + 65.34 * \text{NOV}]$ $+ 5.931 + 0.00451 * \text{LSRF} / \text{ANR}$						

Issued by: T. J. Bowden

Page 19 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1995 - September 1995

SMITH 1	Apr '95	May '95	Jun '95	Jul '95	Aug '95	Sep '95	Total
1. EAF (%)	40.9	94.5	94.4	94.1	94.0	69.3	81.4
2. POF (%)	53.4	0.0	0.0	0.0	0.0	26.7	13.1
3. EUOF (%)	5.7	5.5	5.6	5.9	6.0	4.0	5.5
4. EUOR (%)	12.2	5.5	5.6	5.9	6.0	5.5	6.3
5. PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6. SH	294.0	703.0	680.0	703.0	703.0	499.0	3582.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	425.0	41.0	40.0	41.0	41.0	221.0	809.0
9. POH	384.0	0.0	0.0	0.0	0.0	192.0	576.0
10. FOH & EFOH	17.0	41.0	40.0	44.0	45.0	29.0	216.0
11. MOH & EMOH	24.0	0.0	0.0	0.0	0.0	0.0	24.0
12. Oper MBtu	423126.0	980550.0	1050271.0	1088735.0	1107357.0	744869.0	5394908.0
13. Net Gen (MMH)	41540.0	96010.0	103710.0	107540.0	109520.0	73350.0	531670.0
14. ANOHR (Btu/KWH)	10186.0	10213.0	10127.0	10124.0	10111.0	10155.0	10147.0
15. NOF %	87.8	84.8	94.7	95.0	96.8	91.3	92.2
16. NPC (MW)	161.0	161.0	161.0	161.0	161.0	161.0	161.0
19. ANOHR Equation	$10^{-6} / \text{AID} * [113.43 + 11.45 * \text{JAN} + 16.51 * \text{FEB} + 20.38 * \text{MAR}]$ $+ 9.383$						

Issued by: T. J. Bowden

Page 20 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-E1
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1995 - September 1995

SMITH 2	Apr '95	May '95	Jun '95	Jul '95	Aug '95	Sep '95	Total
1. EAF (X)	65.5	87.4	93.5	92.9	93.4	93.5	87.7
2. POF (X)	29.9	0.0	0.0	0.0	0.0	0.0	4.9
3. EUOF (X)	4.6	12.6	6.5	7.1	6.6	6.5	7.4
4. EUOR (X)	6.5	12.6	6.5	7.1	6.6	6.5	7.7
5. PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6. SH	471.0	650.0	673.0	695.0	695.0	673.0	3857.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	248.0	94.0	47.0	49.0	49.0	47.0	534.0
9. POH	215.0	0.0	0.0	0.0	0.0	0.0	215.0
10. FOH & EFOH	33.0	46.0	47.0	53.0	49.0	47.0	275.0
11. NOH & ENOH	0.0	48.0	0.0	0.0	0.0	0.0	48.0
12. Oper MBtu	764302.0	1016220.0	1212715.0	1235460.0	1263690.0	1138276.0	6630663.0
13. Net Gen (MM)	73230.0	98960.0	116540.0	121290.0	124220.0	111410.0	645650.0
14. AMOHR (Btu/KWH)	10437.0	10269.0	10486.0	10186.0	10173.0	10217.0	10270.0
15. NOF X	81.4	79.7	90.7	91.4	93.6	86.7	87.6
16. NPC (MW)	191.0	191.0	191.0	191.0	191.0	191.0	191.0
19. AMOHR Equation	$10^{-6} / \text{AUX} * [98.48 + 29.28 * \text{MAR} + 28.32 * \text{APR} + 37.25 * \text{JUN} + 19.27 * \text{NOV}]$ $+ 9.622$						

Issued by: T. J. Bowden

Page 21 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1995 - September 1995

DANIEL 1		Apr '95	May '95	Jun '95	Jul '95	Aug '95	Sep '95	Total
1.	EAF (%)	96.9	84.5	96.9	96.4	97.0	71.1	90.5
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	26.7	4.4
3.	EUOF (%)	3.1	15.5	3.1	3.6	3.0	2.2	5.1
4.	EUDR (%)	3.1	15.5	3.1	3.6	3.0	3.0	5.3
5.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6.	SH	697.0	629.0	698.0	722.0	722.0	512.0	3980.0
7.	RSK	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	22.0	115.0	22.0	22.0	22.0	208.0	411.0
9.	POH	0.0	0.0	0.0	0.0	0.0	192.0	192.0
10.	FOH & EFOH	22.0	19.0	22.0	27.0	22.0	16.0	128.0
11.	ROH & EROH	0.0	96.0	0.0	0.0	0.0	0.0	96.0
12.	Oper MBtu	2420965.0	1539053.0	2138045.0	2515550.0	2479832.0	1562350.0	12647795.0
13.	Net Gen (MWH)	237210.0	145180.0	206140.0	246550.0	242740.0	151200.0	1229020.0
14.	ANOH (Btu/KWH)	10206.0	10601.0	10333.0	10203.0	10216.0	10333.0	10291.0
15.	NOF %	79.1	45.3	57.9	67.0	65.9	57.9	62.2
16.	NPC (MW)	430.0	510.0	510.0	510.0	510.0	510.0	496.7
19.	ANOH Equation	$10^{-6} / ANH * [283.49 - 52.71 * JAN + 158.68 * MAR]$ $+ 9.373$						

Issued by: T. J. Bowden

Page 22 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1995 - September 1995

DANIEL 2		Apr '95	May '95	Jun '95	Jul '95	Aug '95	Sep '95	Total
1.	EAF (%)	98.7	92.3	98.8	98.0	98.7	98.8	97.5
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	1.3	7.7	1.2	2.0	1.3	1.2	2.5
4.	EUOR (%)	1.3	7.7	1.3	2.0	1.3	1.3	2.5
5.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6.	SH	710.0	687.0	711.0	734.0	734.0	711.0	4287.0
7.	RSR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	9.0	57.0	9.0	10.0	10.0	9.0	104.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	9.0	9.0	9.0	15.0	10.0	9.0	61.0
11.	NOH & ENOH	0.0	48.0	0.0	0.0	0.0	0.0	48.0
12.	Oper MBtu	2616285.0	1763111.0	2284812.0	2592084.0	2555780.0	2293740.0	14105812.0
13.	Net Gen (MWh)	261550.0	173620.0	225460.0	258150.0	254180.0	222650.0	1395610.0
14.	ANQHR (Btu/KWh)	10003.0	10155.0	10134.0	10041.0	10055.0	10302.0	10107.0
15.	NOF %	85.7	49.6	62.2	69.0	67.9	61.4	65.5
16.	NPC (MWh)	430.0	510.0	510.0	510.0	510.0	510.0	496.7
19.	ANQHR Equation	$10^{-6} / \text{ANQHR} * [297.36 - 55.04 * \text{MAY} + 49.04 * \text{SEP}]$ $+ 9.196$						

Issued by: T. J. Bouden

Page 23 of 23
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-E1
Order No.:

Planned Outage Schedules (Estimated)

Gulf Power Company

Period of: April 1995 - September 1995

Plant & Unit	Planned Outage Dates	Reason for Outage
Crist 6	05/13/95 - 05/28/95	Semi-annual general boiler maintenance and inspection.
Crist 6	09/23/95 - 10/01/95	Semi-annual general boiler maintenance and inspection.
Crist 7	04/15/95 - 04/30/95	Semi-annual general boiler maintenance and inspection.
Smith 1	04/15/95 - 04/30/95	Semi-annual general boiler maintenance and inspection.
Smith 1	09/23/95 - 10/01/95	Semi-annual general boiler maintenance and inspection.
Smith 2	03/25/95 - 04/09/95	Semi-annual general boiler maintenance and inspection.
Daniel 1	09/23/95 - 12/17/95	General turbine & boiler maintenance and inspection.

Issued by: T. J. Bouden

Page 24 of 25
Schedule 3Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-E1
Order No.:

Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: April 1995 - September 1995

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

Please note that in addition to the outages scheduled for the target period of April 1995 - September 1995, the outages shown below are currently planned and could be rescheduled for the target period.

Plant & Unit	Planned Outage Dates	Reason for Outage
Crist 7	10/14/95 - 12/24/95	General turbine & boiler maintenance and inspection.
Smith 2	11/25/95 - 12/03/95	Semi-annual general boiler maintenance and inspection.

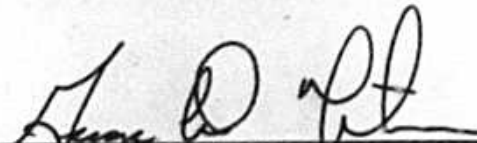
Filed: January 17, 1995
Suspended:
Effective: April 1, 1995
Docket No.: 950001-E1
Order No.:

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 950001-EI

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



George D. Fontaine
Performance Test Specialist

Sworn to and subscribed before me this 11th day of
January, 1995.

Donald R. Schofield
Notary Public, State of Florida at Large

Commission Number: _____
 DONALD R. SCHOFIELD
 Notary Public-State of FL
Commission Expires: May 17, 1998
 Comm. No. 00 372007