

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

GENERATING PERFORMANCE INCENTIVE FACTOR
TARGETS FOR
APRIL 1994 - SEPTEMBER 1994

Before

THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 940001-EI

RECEIVED BY DATE
00515 JAN 18 8
FFSC-REGULATORY REPORTING

1
2
3 GULF POWER COMPANY
4 Before the Florida Public Service Commission
5 Direct Testimony of
6 G. D. Fontaine
7 Docket No. 940001-EI
8 Date of Filing January 18, 1994
9
10

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

12 A. My name is George D. Fontaine, my business address is
13 Post Office Box 1151, Pensacola, Florida 32520, and my
14 position is Performance Test Specialist for Gulf Power
15 Company.
16

17 Q. Please describe your educational and business
18 background.

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

1 Q. Mr. Fontaine, have you previously testified in this
2 Docket?

3 A. Yes, sir.
4

5 Q. Mr. Fontaine, what is the purpose of your testimony in
6 this proceeding?

7 A. The purpose of my testimony today is to present GPIF
8 targets for Gulf Power Company for the period of April
9 1, 1994, through September 30, 1994.
10

11 Q. Mr. Fontaine, have you prepared an exhibit that
12 contains information to which you will refer in your
13 testimony?

14 A. Yes, Sir, I have prepared an exhibit consisting of
15 three schedules.
16

17 Q. Mr. Fontaine, was this exhibit prepared by you or under
18 your direction and supervision?

19 A. Yes, it was.
20

21 Counsel: We ask that Mr. Fontaine's exhibit be
22 marked for identification as exhibit ____ (GDF-2).
23
24
25

1 Q. Mr. Fontaine, which units does Gulf propose to include
2 under the GPIF for the subject period?

3 A. We propose that Crist Units 6 and 7, Smith Units 1 and
4 2, and Daniel Units 1 and 2 continue to be the
5 Company's GPIF units.

6

7 Q. Mr. Fontaine, what are the target heat rates Gulf
8 proposes to use in the GPIF for these units for the
9 performance period April 1994 through September 1994?

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

12

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

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

16

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

22

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

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, Sir.

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
10 Daniel Units 1 and 2, for inclusion under the GPIF
11 for the period of April 1, 1994 through September
12 30, 1994.

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

19
20 3. The target, maximum attainable, and minimum
21 attainable equivalent availabilities, as proposed
22 by the Company and as shown on Page 4 of Schedule
23 2 and also page 5 of Schedule 3 of my exhibit.

24
25 4. The weekly average net operating heat rate least

1 squares regression equations, shown on page 2 of
2 Schedule 1 and also pages 18 through 23 of
3 Schedule 3 of my exhibit, for use in adjusting the
4 six-month actual unit heat rates to target
5 conditions.
6

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

8 A. Yes, Sir.
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

Florida Public Service Commission
Docket No. 940001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. ___ (GDF-2)

EXHIBIT TO THE TESTIMONY OF

G. D. FONTAINE

IN FPSC DOCKET 940001-EI

I. DETERMINATION OF HEAT RATE TARGETS

Target Heat Rate Equations

- Crist 6 ANOHR $10^{-6} / \text{AKW} * [313.41 + 47.43 * \text{JAN} - 32.04 * \text{OCT}]$
 $+ 9,080$
- Crist 7 ANOHR $10^{-6} / \text{AKW} * [-231.40 - 59.47 * \text{MAR} - 127.01 * \text{APR} + 60.00 * \text{JUL} + 56.40 * \text{AUG}]$
 $+ 14,058 - 0.00753 * \text{LSRF} / \text{AKW}$
- Smith 1 ANOHR $10^{-6} / \text{AKW} * [295.15 + 12.03 * \text{JAN} + 17.52 * \text{MAR} - 14.12 * \text{OCT} - 15.05 * \text{NOV}]$
 $+ 6,097 + 0.01382 * \text{LSRF} / \text{AKW}$
- Smith 2 ANOHR $10^{-6} / \text{AKW} * [333.12 + 24.79 * \text{MAR} + 20.35 * \text{JUN}]$
 $+ 5,298 + 0.01661 * \text{LSRF} / \text{AKW}$
- Daniel 1 ANOHR $10^{-6} / \text{AKW} * [218.79 + 64.88 * \text{MAR} + 98.95 * \text{MAY}]$
 $+ 9,690$
- Daniel 2 ANOHR $10^{-6} / \text{AKW} * [89.26 - 89.43 * \text{MAR} - 57.63 * \text{APR} - 50.59 * \text{MAY} + 49.53 * \text{SEP}]$
 $+ 10,947 - 0.00264 * \text{LSRF} / \text{AKW}$

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
10670	116	205.6	50942	0	0	0	0	0	0	0	0	0	1	0	2	1990
10426	166	240.1	64951	0	0	0	0	0	0	0	0	0	1	0	0	1990
10493	168	262.3	75017	0	0	0	0	0	0	0	0	0	1	0	0	1990
10451	169	236.7	63279	0	0	0	0	0	0	0	0	0	1	0	0	1990
10261	168	244.6	65434	0	0	0	0	0	0	0	0	0	0	1	0	1990
10491	168	207.7	51588	0	0	0	0	0	0	0	0	0	0	1	0	1990
10172	167	239.6	65174	0	0	0	0	0	0	0	0	0	0	1	0	1990
10345	168	233.6	64213	0	0	0	0	0	0	0	0	0	0	1	0	1990
10292	119	245.9	68792	0	0	0	0	0	0	0	0	0	0	1	0	1990
10762	48	225.9	59544	0	0	0	0	0	0	0	0	0	0	0	1	1990
10331	168	238.9	66102	0	0	0	0	0	0	0	0	0	0	0	0	1990
10664	168	178.9	39312	0	0	0	0	0	0	0	0	0	0	0	0	1990
10770	168	152.9	27595	0	0	0	0	0	0	0	0	0	0	0	0	1990
10415	168	214.8	51597	1	0	0	0	0	0	0	0	0	0	0	0	1991
10693	168	224.4	56546	1	0	0	0	0	0	0	0	0	0	0	0	1991
10525	168	219.7	52968	1	0	0	0	0	0	0	0	0	0	0	0	1991
10794	168	268.0	75058	1	0	0	0	0	0	0	0	0	0	0	0	1991
11822	168	192.4	42567	1	0	0	0	0	0	0	0	0	0	0	0	1991
11119	168	232.9	59464	0	1	0	0	0	0	0	0	0	0	0	0	1991
10872	142	227.5	57021	0	1	0	0	0	0	0	0	0	0	0	0	1991
12117	97	149.8	26609	0	1	0	0	0	0	0	0	0	0	0	1	1991
11042	168	210.2	47396	0	0	1	0	0	0	0	0	0	0	0	0	1991
10558	90	258.0	70685	0	0	1	0	0	0	0	0	0	0	0	1	1991
10366	168	258.3	73095	0	0	1	0	0	0	0	0	0	0	0	0	1991
11065	93	124.8	15651	0	0	1	0	0	0	0	0	0	0	0	0	1991
10390	165	204.1	46871	0	0	0	1	0	0	0	0	0	0	0	1	1991
10450	168	260.2	74160	0	0	0	1	0	0	0	0	0	0	0	0	1991
10620	117	257.2	72584	0	0	0	1	0	0	0	0	0	0	0	0	1991
11126	151	241.2	63735	0	0	0	1	0	0	0	0	0	0	0	1	1991
10937	168	256.0	72061	0	0	0	0	1	0	0	0	0	0	0	0	1991
11085	16	204.1	47469	0	0	0	0	1	0	0	0	0	0	0	0	1991
10644	71	243.3	63839	0	0	0	0	1	0	0	0	0	0	0	1	1991
10288	153	262.8	74970	0	0	0	0	1	0	0	0	0	0	0	0	1991
11168	109	250.4	68374	0	0	0	0	1	0	0	0	0	0	0	2	1991
10812	152	219.4	53121	0	0	0	0	0	1	0	0	0	0	0	0	1991
10568	168	212.8	48102	0	0	0	0	0	1	0	0	0	0	0	0	1991
11054	168	232.5	60527	0	0	0	0	0	1	0	0	0	0	0	0	1991
10839	168	240.4	64780	0	0	0	0	0	1	0	0	0	0	0	0	1991
10305	135	239.7	64672	0	0	0	0	0	0	1	0	0	0	0	0	1991
10689	164	255.6	71705	0	0	0	0	0	0	1	0	0	0	0	1	1991
10541	164	254.6	72624	0	0	0	0	0	0	1	0	0	0	0	0	1991
10327	168	268.0	76811	0	0	0	0	0	0	1	0	0	0	0	0	1991
10283	106	265.1	75692	0	0	0	0	0	0	0	1	0	0	0	0	1991
10401	117	259.4	72515	0	0	0	0	0	0	0	1	0	0	0	2	1991
10270	167	269.6	77440	0	0	0	0	0	0	0	1	0	0	0	0	1991
10158	168	263.7	73696	0	0	0	0	0	0	0	1	0	0	0	0	1991
10543	96	247.2	66152	0	0	0	0	0	0	0	1	0	0	0	1	1991

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
10338	140	258.3	70810	0	0	0	0	0	0	0	0	1	0	0	1	1991
10823	168	268.8	75179	0	0	0	0	0	0	0	0	1	0	0	0	1991
10424	168	266.0	74790	0	0	0	0	0	0	0	0	1	0	0	0	1991
10382	168	260.8	71897	0	0	0	0	0	0	0	0	1	0	0	0	1991
10111	24	275.5	78677	0	0	0	0	0	0	0	0	1	0	0	0	1991
10175	168	260.6	71136	0	0	0	0	0	0	0	0	0	1	0	0	1991
10135	109	262.1	72379	0	0	0	0	0	0	0	0	0	1	0	1	1991
10379	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	65193	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	47259	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

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
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
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

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
10832	140	184.4	41323	0	0	0	0	0	0	1	0	0	0	0	1	1993
10729	168	229.2	59481	0	0	0	0	0	0	1	0	0	0	0	0	1993
10210	168	266.0	75116	0	0	0	0	0	0	1	0	0	0	0	0	1993
10240	168	273.2	77881	0	0	0	0	0	0	1	0	0	0	0	0	1993
10546	168	244.0	65528	0	0	0	0	0	0	0	1	0	0	0	0	1993
10748	168	224.0	55916	0	0	0	0	0	0	0	1	0	0	0	0	1993
10348	168	250.8	67753	0	0	0	0	0	0	0	1	0	0	0	0	1993
10267	168	246.9	65043	0	0	0	0	0	0	0	1	0	0	0	0	1993
10210	168	260.1	70839	0	0	0	0	0	0	0	1	0	0	0	0	1993
10366	168	238.7	62037	0	0	0	0	0	0	0	0	1	0	0	0	1993
10602	98	188.1	39906	0	0	0	0	0	0	0	0	1	0	0	1	1993
10246	168	216.1	52650	0	0	0	0	0	0	0	0	1	0	0	0	1993
11068	106	194.2	44146	0	0	0	0	0	0	0	0	1	0	0	1	1993

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.

HOURL 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 CRIST 7 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10261	110	354.1	132308	0	0	0	0	0	0	0	0	0	1	0	0	1990
12844	15	236.7	65600	0	0	0	0	0	0	0	0	0	1	0	1	1990
10452	126	339.1	140354	0	0	0	0	0	0	0	0	0	1	0	1	1990
10599	152	320.7	115468	0	0	0	0	0	0	0	0	0	1	0	0	1990
10670	80	299.8	99548	0	0	0	0	0	0	0	0	0	0	1	0	1990
10507	168	282.8	91857	0	0	0	0	0	0	0	0	0	0	1	0	1990
10278	93	309.6	108533	0	0	0	0	0	0	0	0	0	0	1	0	1990
10340	148	329.0	125603	0	0	0	0	0	0	0	0	0	0	1	1	1990
10402	132	364.6	148886	0	0	0	0	0	0	0	0	0	0	0	0	1990
12943	11	283.8	70459	0	0	0	0	0	0	0	0	0	0	0	1	1990
11289	100	236.9	59774	0	0	0	0	0	0	0	0	0	0	0	2	1990
10240	103	261.0	79160	0	0	0	0	0	0	0	0	0	0	0	0	1990
10447	136	353.5	135418	1	0	0	0	0	0	0	0	0	0	0	0	1991
10703	168	340.3	122737	1	0	0	0	0	0	0	0	0	0	0	0	1991
10729	138	341.6	126646	1	0	0	0	0	0	0	0	0	0	0	0	1991
10950	111	354.3	129194	1	0	0	0	0	0	0	0	0	0	0	2	1991
11452	155	273.9	79119	1	0	0	0	0	0	0	0	0	0	0	0	1991
11001	123	330.2	114263	0	1	0	0	0	0	0	0	0	0	0	1	1991
10763	168	293.8	96103	0	1	0	0	0	0	0	0	0	0	0	0	1991
10480	90	314.6	108467	0	1	0	0	0	0	0	0	0	0	0	0	1991
11799	81	265.0	81876	0	0	0	0	0	1	0	0	0	0	0	2	1991
11100	77	326.1	118576	0	0	0	0	0	1	0	0	0	0	0	1	1991
10655	168	373.9	152435	0	0	0	0	0	1	0	0	0	0	0	0	1991
10400	168	387.5	161602	0	0	0	0	0	0	1	0	0	0	0	0	1991
10528	168	389.9	162188	0	0	0	0	0	0	1	0	0	0	0	0	1991
10708	168	357.2	145806	0	0	0	0	0	0	1	0	0	0	0	0	1991
10675	93	413.1	184086	0	0	0	0	0	0	1	0	0	0	0	1	1991
10419	168	420.9	186729	0	0	0	0	0	0	0	1	0	0	0	0	1991
10203	145	420.4	187215	0	0	0	0	0	0	0	1	0	0	0	0	1991
10315	107	377.6	156268	0	0	0	0	0	0	0	1	0	0	0	1	1991
10468	138	396.3	169795	0	0	0	0	0	0	0	1	0	0	0	1	1991
10473	168	387.2	161781	0	0	0	0	0	0	0	1	0	0	0	0	1991
10203	168	430.7	192357	0	0	0	0	0	0	0	0	1	0	0	0	1991
10289	105	433.6	196814	0	0	0	0	0	0	0	0	1	0	0	1	1991
10362	125	382.9	163720	0	0	0	0	0	0	0	0	1	0	0	1	1991
10043	168	431.2	194123	0	0	0	0	0	0	0	0	1	0	0	0	1991
10071	23	440.7	201413	0	0	0	0	0	0	0	0	1	0	0	0	1991
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	373.8	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

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
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	146231	0	1	0	0	0	0	0	0	0	0	0	0	1992
10698	106	286.8	97848	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	1	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	0	1992
9639	24	426.6	190955	0	0	1	0	0	0	0	0	0	0	0	1	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	1	0	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	1	0	0	0	0	0	0	0	1992
10349	67	304.3	112677	0	0	0	0	0	1	0	0	0	0	0	0	1992
9949	168	442.7	202814	0	0	0	0	0	1	0	0	0	0	0	3	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	1	0	0	0	0	0	0	1992
10004	156	431.4	196177	0	0	0	0	0	0	1	0	0	0	0	0	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	1	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	0	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	1	0	0	0	1	1992
9989	168	403.4	177784	0	0	0	0	0	0	0	1	0	0	0	3	1992
10121	122	439.6	203594	0	0	0	0	0	0	0	1	0	0	0	0	1992
10061	168	457.4	212546	0	0	0	0	0	0	0	1	0	0	0	1	1992
9956	24	471.5	223620	0	0	0	0	0	0	0	1	0	0	0	0	1992
10052	168	448.7	204074	0	0	0	0	0	0	0	1	0	0	0	0	1992
10130	168	417.5	190100	0	0	0	0	0	0	0	0	1	0	0	0	1992
9907	154	457.6	215447	0	0	0	0	0	0	0	0	1	0	0	0	1992
10174	168	401.8	176961	0	0	0	0	0	0	0	0	1	0	0	0	1992
10213	168	475.1	227655	0	0	0	0	0	0	0	0	1	0	0	0	1992
10295	141	452.0	207902	0	0	0	0	0	0	0	0	0	1	0	0	1992
10255	166	426.6	187530	0	0	0	0	0	0	0	0	0	1	0	0	1992
10259	168	445.1	200366	0	0	0	0	0	0	0	0	0	1	1	0	1992
10119	168	430.9	196930	0	0	0	0	0	0	0	0	0	1	0	0	1992
10134	168	456.2	212471	0	0	0	0	0	0	0	0	0	0	0	0	1992
10198	124	379.8	160198	0	0	0	0	0	0	0	0	0	0	0	0	1992

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
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	0	1993
10037	168	441.7	201464	0	0	1	0	0	0	0	0	0	0	0	1	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	0	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	0	1993
10354	168	403.5	176250	0	0	0	0	0	0	0	1	0	0	0	1	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

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	AMU	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10225	168	132.6	19195	0	0	0	0	0	0	0	0	0	1	0	0	1990
10275	168	134.7	19736	0	0	0	0	0	0	0	0	0	1	0	0	1990
10206	168	149.9	23286	0	0	0	0	0	0	0	0	0	1	0	0	1990
10340	169	144.0	22104	0	0	0	0	0	0	0	0	0	1	0	0	1990
10226	168	135.6	19743	0	0	0	0	0	0	0	0	0	0	1	0	1990
10361	72	132.4	19367	0	0	0	0	0	0	0	0	0	0	1	0	1990
10360	154	124.5	17495	0	0	0	0	0	0	0	0	0	0	1	1	1990
10323	168	125.1	17966	0	0	0	0	0	0	0	0	0	0	1	0	1990
10291	168	128.0	18616	0	0	0	0	0	0	0	0	0	0	1	0	1990
10379	168	126.6	18171	0	0	0	0	0	0	0	0	0	0	0	0	1990
10511	168	116.1	15830	0	0	0	0	0	0	0	0	0	0	0	0	1990
10652	168	91.5	10212	0	0	0	0	0	0	0	0	0	0	0	0	1990
10777	168	79.4	7471	0	0	0	0	0	0	0	0	0	0	0	0	1990
10409	168	132.9	19202	1	0	0	0	0	0	0	0	0	0	0	0	1991
10724	168	139.1	20776	1	0	0	0	0	0	0	0	0	0	0	0	1991
10700	168	141.8	21436	1	0	0	0	0	0	0	0	0	0	0	0	1991
10718	129	146.7	22430	1	0	0	0	0	0	0	0	0	0	0	1	1991
10807	168	121.2	16404	1	0	0	0	0	0	0	0	0	0	0	0	1991
10656	168	135.6	19875	0	1	0	0	0	0	0	0	0	0	0	0	1991
10344	168	146.2	22314	0	1	0	0	0	0	0	0	0	0	0	0	1991
10346	140	128.6	18178	0	1	0	0	0	0	0	0	0	0	0	1	1991
10445	168	117.6	15095	0	1	0	0	0	0	0	0	0	0	0	0	1991
10608	168	128.3	17347	0	0	1	0	0	0	0	0	0	0	0	0	1991
10289	168	129.5	17173	0	0	1	0	0	0	0	0	0	0	0	0	1991
10323	168	131.4	17783	0	0	1	0	0	0	0	0	0	0	0	0	1991
10235	168	144.2	21537	0	0	1	0	0	0	0	0	0	0	0	0	1991
10311	167	150.3	23095	0	0	0	1	0	0	0	0	0	0	0	0	1991
10380	168	152.8	23719	0	0	0	1	0	0	0	0	0	0	0	0	1991
10331	168	154.8	24132	0	0	0	1	0	0	0	0	0	0	0	0	1991
10418	121	140.1	20801	0	0	0	1	0	0	0	0	0	0	0	0	1991
10379	64	138.3	20404	0	0	0	0	1	0	0	0	0	0	0	1	1991
10266	168	149.6	22997	0	0	0	0	1	0	0	0	0	0	0	0	1991
10247	168	151.2	23452	0	0	0	0	1	0	0	0	0	0	0	0	1991
10303	168	148.8	22671	0	0	0	0	1	0	0	0	0	0	0	0	1991
10277	168	141.0	20934	0	0	0	0	0	1	0	0	0	0	0	0	1991
10361	168	141.5	21044	0	0	0	0	0	1	0	0	0	0	0	0	1991
10457	168	138.1	20229	0	0	0	0	0	1	0	0	0	0	0	0	1991
10407	168	139.2	20612	0	0	0	0	0	1	0	0	0	0	0	0	1991
10546	124	143.7	21558	0	0	0	0	0	0	1	0	0	0	0	1	1991
10396	168	147.7	22386	0	0	0	0	0	0	1	0	0	0	0	0	1991
10381	168	149.6	22791	0	0	0	0	0	0	1	0	0	0	0	0	1991
10496	165	147.5	22352	0	0	0	0	0	0	1	0	0	0	0	0	1991
10249	168	153.3	23721	0	0	0	0	0	0	0	1	0	0	0	0	1991
10298	124	153.0	23854	0	0	0	0	0	0	0	1	0	0	0	1	1991
10297	168	154.3	23989	0	0	0	0	0	0	0	1	0	0	0	0	1991
10360	168	153.9	23931	0	0	0	0	0	0	0	1	0	0	0	0	1991
10290	168	149.9	22986	0	0	0	0	0	0	0	1	0	0	0	0	1991

Data Base for SMITH 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	WS	YEAR
10487	168	150.6	23073	0	0	0	0	0	0	0	0	1	0	0	0	1991
10393	168	155.7	24378	0	0	0	0	0	0	0	0	1	0	0	0	1991
10371	91	151.4	23603	0	0	0	0	0	0	0	0	1	0	0	0	1991
10169	162	147.4	22455	0	0	0	0	0	0	0	0	1	0	0	1	1991
9951	24	150.9	23241	0	0	0	0	0	0	0	0	1	0	0	0	1991
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
10326	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
9988	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

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
10117	168	157.8	24967	0	0	0	0	0	0	1	0	0	0	0	0	1992
10032	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	0	1992
10111	168	159.0	25318	0	0	0	0	0	0	0	1	0	0	0	1	1992
10137	168	150.9	23125	0	0	0	0	0	0	0	1	0	0	0	0	1992
10125	152	158.3	25171	0	0	0	0	0	0	0	1	0	0	0	0	1992
10342	135	156.7	24824	0	0	0	0	0	0	0	0	1	0	0	0	1992
10036	168	160.4	25742	0	0	0	0	0	0	0	0	1	0	0	1	1992
10063	168	160.0	25592	0	0	0	0	0	0	0	0	1	0	0	0	1992
10191	24	161.0	25922	0	0	0	0	0	0	0	0	1	0	0	0	1992
9974	168	161.1	25962	0	0	0	0	0	0	0	0	1	0	0	0	1992
9861	168	161.0	25944	0	0	0	0	0	0	0	0	0	1	0	0	1992
10002	168	159.6	25570	0	0	0	0	0	0	0	0	0	1	0	0	1992
10057	168	160.5	25780	0	0	0	0	0	0	0	0	0	1	0	0	1992
9999	168	161.0	25947	0	0	0	0	0	0	0	0	0	1	0	0	1992
9987	168	160.9	25880	0	0	0	0	0	0	0	0	0	0	1	0	1992
10039	168	159.2	25416	0	0	0	0	0	0	0	0	0	0	1	0	1992
9923	168	159.6	25488	0	0	0	0	0	0	0	0	0	0	1	0	1992
9913	168	158.6	25182	0	0	0	0	0	0	0	0	0	0	1	0	1992
9876	168	157.5	24885	0	0	0	0	0	0	0	0	0	0	1	0	1992
10065	38	148.3	22778	0	0	0	0	0	0	0	0	0	0	0	0	1992
10436	41	111.8	14668	0	0	0	0	0	0	0	0	0	0	0	0	1992
10115	168	128.0	18251	0	0	0	0	0	0	0	0	0	0	0	1	1992
9971	168	114.8	13597	1	0	0	0	0	0	0	0	0	0	0	0	1992
9992	168	119.3	14458	1	0	0	0	0	0	0	0	0	0	0	0	1993
10105	168	153.6	23860	1	0	0	0	0	0	0	0	0	0	0	0	1993
10165	112	133.4	19297	1	0	0	0	0	0	0	0	0	0	0	0	1993
10190	153	141.6	20827	1	0	0	0	0	0	0	0	0	0	0	0	1993
10059	139	154.2	24108	0	1	0	0	0	0	0	0	0	0	0	1	1993
10075	150	148.4	22540	0	1	0	0	0	0	0	0	0	0	0	0	1993
10124	168	149.2	22886	0	1	0	0	0	0	0	0	0	0	0	1	1993
10075	168	155.4	24364	0	1	0	0	0	0	0	0	0	0	0	0	1993
9953	155	154.2	24181	0	0	1	0	0	0	0	0	0	0	0	0	1993
10180	112	156.7	25061	0	0	1	0	0	0	0	0	0	0	0	1	1993
10132	168	159.8	25574	0	0	1	0	0	0	0	0	0	0	0	0	1993
10432	65	146.9	22293	0	0	1	0	0	0	0	0	0	0	0	0	1993
10104	166	156.2	24868	0	0	0	1	0	0	0	0	0	0	0	0	1993
10073	168	155.5	24296	0	0	0	1	0	0	0	0	0	0	0	1	1993
10129	168	157.9	24989	0	0	0	1	0	0	0	0	0	0	0	0	1993
10090	168	153.2	23689	0	0	0	1	0	0	0	0	0	0	0	0	1993
10105	168	138.0	19422	0	0	0	0	1	0	0	0	0	0	0	0	1993
10265	168	131.6	17924	0	0	0	0	1	0	0	0	0	0	0	0	1993
10561	124	142.5	21203	0	0	0	0	1	0	0	0	0	0	0	0	1993
10195	168	124.9	16136	0	0	0	0	1	0	0	0	0	0	0	1	1993
10225	168	146.7	22070	0	0	0	0	1	0	0	0	0	0	0	0	1993
10191	168	153.3	23761	0	0	0	0	0	1	0	0	0	0	0	0	1993

Data Base for SMITH 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MS	YEAR
10512	168	138.3	20375	0	0	0	0	0	1	0	0	0	0	0	0	1993
10162	168	152.5	23503	0	0	0	0	0	1	0	0	0	0	0	0	1993
10101	120	149.9	22883	0	0	0	0	0	1	0	0	0	0	0	0	1993
10154	165	151.3	23327	0	0	0	0	0	0	1	0	0	0	0	1	1993
10207	116	145.3	21851	0	0	0	0	0	0	1	0	0	0	0	1	1993
10169	168	158.7	25196	0	0	0	0	0	0	1	0	0	0	0	0	1993
10207	168	159.3	25386	0	0	0	0	0	0	1	0	0	0	0	0	1993
10223	168	152.3	23527	0	0	0	0	0	0	0	1	0	0	0	0	1993
10188	168	149.5	22654	0	0	0	0	0	0	0	1	0	0	0	0	1993
10150	168	154.7	24069	0	0	0	0	0	0	0	1	0	0	0	0	1993
10301	118	152.4	23751	0	0	0	0	0	0	0	1	0	0	0	1	1993
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

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	HOUR	AMU	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
25818	3	38.0	1662	0	0	0	0	0	0	0	0	0	1	0	1	1990
10185	168	166.6	29268	0	0	0	0	0	0	0	0	0	1	0	0	1990
10200	169	162.0	28604	0	0	0	0	0	0	0	0	0	1	0	0	1990
10246	168	134.5	20075	0	0	0	0	0	0	0	0	0	0	1	0	1990
10281	168	128.6	19502	0	0	0	0	0	0	0	0	0	0	1	0	1990
10276	140	135.4	21307	0	0	0	0	0	0	0	0	0	0	1	1	1990
10250	162	138.7	22943	0	0	0	0	0	0	0	0	0	0	1	0	1990
10318	159	126.8	18834	0	0	0	0	0	0	0	0	0	0	1	0	1990
10350	168	134.2	21176	0	0	0	0	0	0	0	0	0	0	0	0	1990
10402	168	130.6	20751	0	0	0	0	0	0	0	0	0	0	0	0	1990
10357	168	112.6	16085	0	0	0	0	0	0	0	0	0	0	0	0	1990
10741	168	78.6	7491	0	0	0	0	0	0	0	0	0	0	0	0	1990
10347	168	145.3	23884	1	0	0	0	0	0	0	0	0	0	0	0	1991
10345	168	156.0	26573	1	0	0	0	0	0	0	0	0	0	0	0	1991
10309	111	154.3	26239	1	0	0	0	0	0	0	0	0	0	0	0	1991
10354	165	173.3	30909	1	0	0	0	0	0	0	0	0	0	0	1	1991
10423	168	126.2	18575	1	0	0	0	0	0	0	0	0	0	0	0	1991
10402	168	146.2	23792	0	1	0	0	0	0	0	0	0	0	0	0	1991
10364	168	158.6	26802	0	1	0	0	0	0	0	0	0	0	0	0	1991
10330	168	144.1	23342	0	1	0	0	0	0	0	0	0	0	0	0	1991
10366	142	133.1	20164	0	1	0	0	0	0	0	0	0	0	0	0	1991
10495	167	139.5	21231	0	0	1	0	0	0	0	0	0	0	0	1	1991
10269	168	155.7	25375	0	0	1	0	0	0	0	0	0	0	0	0	1991
10346	168	166.6	28725	0	0	1	0	0	0	0	0	0	0	0	0	1991
10278	114	157.6	26795	0	0	1	0	0	0	0	0	0	0	0	0	1991
10416	164	158.4	26880	0	0	0	1	0	0	0	0	0	0	0	1	1991
10283	135	161.2	28103	0	0	0	0	1	0	0	0	0	0	0	0	1991
10077	168	165.5	28622	0	0	0	0	1	0	0	0	0	0	0	0	1991
10181	168	161.7	27744	0	0	0	0	1	0	0	0	0	0	0	0	1991
10114	168	169.5	29859	0	0	0	0	1	0	0	0	0	0	0	0	1991
10247	168	158.1	26335	0	0	0	0	1	0	0	0	0	0	0	0	1991
9989	168	156.4	26059	0	0	0	0	0	1	0	0	0	0	0	0	1991
10299	123	154.5	26255	0	0	0	0	0	1	0	0	0	0	0	1	1991
10415	168	151.9	25396	0	0	0	0	0	1	0	0	0	0	0	0	1991
10316	168	152.6	25631	0	0	0	0	0	1	0	0	0	0	0	0	1991
10396	168	160.3	27257	0	0	0	0	0	0	1	0	0	0	0	0	1991
10292	168	162.9	28091	0	0	0	0	0	0	1	0	0	0	0	0	1991
10375	168	164.5	28454	0	0	0	0	0	0	1	0	0	0	0	0	1991
10373	168	167.3	29052	0	0	0	0	0	0	1	0	0	0	0	0	1991
10223	168	171.7	30221	0	0	0	0	0	0	0	1	0	0	0	0	1991
10490	154	172.2	30526	0	0	0	0	0	0	0	1	0	0	0	0	1991
10776	168	173.6	30798	0	0	0	0	0	0	0	1	0	0	0	0	1991
10741	113	158.3	26996	0	0	0	0	0	0	0	1	0	0	0	1	1991
10622	122	155.7	26336	0	0	0	0	0	0	0	1	0	0	0	1	1991
10408	168	168.8	29536	0	0	0	0	0	0	0	0	1	0	0	0	1991
10486	133	164.2	28157	0	0	0	0	0	0	0	0	1	0	0	1	1991
10555	168	181.4	33160	0	0	0	0	0	0	0	0	1	0	0	0	1991

Data Base for SMITH 2 Target Heat Rate Equation

HR	HOUR	AMU	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10648	86	176.4	32182	0	0	0	0	0	0	0	0	1	0	0	0	1991
11091	18	159.1	28012	0	0	0	0	0	0	0	0	1	0	0	1	1991
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
10364	93	152.1	25121	0	0	0	0	0	0	0	0	0	1	0	0	1991
10842	153	154.9	26078	0	0	0	0	0	0	0	0	0	0	1	1	1991
10609	136	151.1	24955	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	24	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

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
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
9967	168	179.6	32491	0	0	0	0	0	0	0	0	1	0	0	0	1992
9974	168	182.1	33441	0	0	0	0	0	0	0	0	1	0	0	0	1992
10266	53	170.3	30900	0	0	0	0	0	0	0	0	1	0	0	1	1992
10006	24	185.8	34540	0	0	0	0	0	0	0	0	0	1	0	0	1992
* 9176	134	172.2	30525	0	0	0	0	0	0	0	0	0	1	0	1	1992
9937	168	182.5	33433	0	0	0	0	0	0	0	0	0	1	0	0	1992
10008	168	185.0	34277	0	0	0	0	0	0	0	0	0	1	0	0	1992
10026	168	182.4	33443	0	0	0	0	0	0	0	0	0	1	0	0	1992
10071	168	184.6	34151	0	0	0	0	0	0	0	0	0	0	1	0	1992
10086	168	186.3	34721	0	0	0	0	0	0	0	0	0	0	1	0	1992
10061	168	180.3	32653	0	0	0	0	0	0	0	0	0	0	1	0	1992
9952	168	183.1	33616	0	0	0	0	0	0	0	0	0	0	1	0	1992
10008	168	183.1	33617	0	0	0	0	0	0	0	0	0	0	1	0	1992
9957	168	180.8	32883	0	0	0	0	0	0	0	0	0	0	0	0	1992
9952	168	180.1	32835	0	0	0	0	0	0	0	0	0	0	0	0	1992
* 8929	168	150.6	25015	0	0	0	0	0	0	0	0	0	0	0	0	1992
10217	110	124.7	18702	0	0	0	0	0	0	0	0	0	0	0	0	1992
10218	65	159.0	27295	1	0	0	0	0	0	0	0	0	0	0	1	1993
10043	168	160.9	27464	1	0	0	0	0	0	0	0	0	0	0	0	1993
10270	131	166.3	29093	1	0	0	0	0	0	0	0	0	0	0	1	1993
10196	168	160.4	27516	1	0	0	0	0	0	0	0	0	0	0	0	1993
10156	168	158.5	26386	1	0	0	0	0	0	0	0	0	0	0	0	1993
10022	44	165.9	28416	0	1	0	0	0	0	0	0	0	0	0	0	1993
* 16330	13	45.6	2327	0	0	0	0	1	0	0	0	0	0	0	2	1993
9965	168	184.8	34711	0	0	0	0	1	0	0	0	0	0	0	0	1993
* 48555	3	21.3	827	0	0	0	0	1	0	0	0	0	0	0	1	1993
10001	151	175.5	31721	0	0	0	0	1	0	0	0	0	0	0	1	1993
10725	88	168.8	30117	0	0	0	0	1	0	0	0	0	0	0	1	1993
10721	168	185.8	34610	0	0	0	0	0	1	0	0	0	0	0	0	1993
10773	168	186.5	34838	0	0	0	0	0	1	0	0	0	0	0	0	1993
10684	168	186.2	34717	0	0	0	0	0	1	0	0	0	0	0	0	1993
10754	37	144.8	23920	0	0	0	0	0	1	0	0	0	0	0	1	1993
10314	126	161.0	27156	0	0	0	0	0	0	1	0	0	0	0	1	1993
10144	168	168.7	29652	0	0	0	0	0	0	1	0	0	0	0	0	1993
10016	33	170.0	29530	0	0	0	0	0	0	1	0	0	0	0	0	1993
10343	100	152.8	26198	0	0	0	0	0	0	0	1	0	0	0	1	1993
10071	168	170.1	29827	0	0	0	0	0	0	0	1	0	0	0	0	1993
10096	168	177.1	31927	0	0	0	0	0	0	0	1	0	0	0	0	1993
10189	168	182.5	33523	0	0	0	0	0	0	0	1	0	0	0	0	1993
10118	168	182.0	33385	0	0	0	0	0	0	0	1	0	0	0	0	1993
10109	168	170.0	30134	0	0	0	0	0	0	0	0	1	0	0	0	1993
10412	152	168.0	29587	0	0	0	0	0	0	0	0	1	0	0	0	1993
10022	168	176.8	31826	0	0	0	0	0	0	0	0	1	0	0	0	1993
10066	168	178.5	32426	0	0	0	0	0	0	0	0	1	0	0	0	1993
10257	24	175.5	31410	0	0	0	0	0	0	0	0	1	0	0	0	1993

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.

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 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
* 12518	20	318.1	73263	0	0	0	0	0	0	0	0	0	0	0	2	1990
11935	113	168.7	31167	0	0	0	0	0	0	0	0	0	0	0	1	1990
10634	167	260.7	90810	1	0	0	0	0	0	0	0	0	0	0	0	1991
10442	168	333.5	136627	1	0	0	0	0	0	0	0	0	0	0	0	1991
10426	16	288.4	95939	1	0	0	0	0	0	0	0	0	0	0	0	1991
10496	156	324.7	128774	1	0	0	0	0	0	0	0	0	0	0	1	1991
10326	168	328.1	135798	1	0	0	0	0	0	0	0	0	0	0	0	1991
10079	168	447.0	216302	0	1	0	0	0	0	0	0	0	0	0	0	1991
9954	168	511.0	261144	0	1	0	0	0	0	0	0	0	0	0	0	1991
9955	168	487.9	242877	0	1	0	0	0	0	0	0	0	0	0	0	1991
9884	168	471.4	232998	0	1	0	0	0	0	0	0	0	0	0	0	1991
10185	165	407.0	188375	0	0	1	0	0	0	0	0	0	0	0	0	1991
10278	154	369.9	161005	0	0	1	0	0	0	0	0	0	0	0	0	1991
10637	84	276.0	90758	0	0	0	1	0	0	0	0	0	0	0	1	1991
11024	168	475.7	237629	0	0	0	1	0	0	0	0	0	0	0	0	1991
* 12193	11	409.8	185361	0	0	0	1	0	0	0	0	0	0	0	0	1991
10859	156	305.4	110676	0	0	0	0	1	0	0	0	0	0	0	1	1991
10946	99	289.8	97618	0	0	0	0	1	0	0	0	0	0	0	1	1991
10739	168	359.5	149166	0	0	0	0	1	0	0	0	0	0	0	0	1991
11383	78	220.8	61507	0	0	0	0	1	0	0	0	0	0	0	0	1991
11084	101	281.6	96091	0	0	0	0	1	0	0	0	0	0	0	1	1991
10895	57	253.2	83376	0	0	0	0	0	1	0	0	0	0	0	0	1991
10532	158	400.2	184438	0	0	0	0	0	1	0	0	0	0	0	1	1991
10509	168	394.1	180799	0	0	0	0	0	1	0	0	0	0	0	0	1991
10867	168	244.7	77664	0	0	0	0	0	1	0	0	0	0	0	0	1991
10665	168	247.3	76341	0	0	0	0	0	0	1	0	0	0	0	0	1991
10717	168	299.9	112037	0	0	0	0	0	0	1	0	0	0	0	0	1991
10844	131	268.5	91155	0	0	0	0	0	0	1	0	0	0	0	0	1991
10647	162	294.5	108169	0	0	0	0	0	0	1	0	0	0	0	1	1991
10565	168	297.5	106048	0	0	0	0	0	0	0	1	0	0	0	0	1991
10527	168	304.7	116966	0	0	0	0	0	0	0	1	0	0	0	0	1991
10898	121	230.4	62866	0	0	0	0	0	0	0	1	0	0	0	0	1991
11094	130	242.0	75898	0	0	0	0	0	0	0	1	0	0	0	1	1991
10594	168	273.6	96503	0	0	0	0	0	0	0	0	1	0	0	0	1991
10707	168	316.9	125000	0	0	0	0	0	0	0	0	1	0	0	0	1991
10424	82	335.1	138239	0	0	0	0	0	0	0	0	1	0	0	0	1991
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	74653	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

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
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	105570	0	0	1	0	0	0	0	0	0	0	0	0	1992
10209	168	374.1	140555	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	82552	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
10460	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	1	0	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
11897	41	156.9	25345	0	0	0	1	0	0	0	0	0	0	0	1	1993
10282	168	222.4	59260	0	0	0	1	0	0	0	0	0	0	0	0	1993
10567	120	350.3	126761	0	0	0	1	0	0	0	0	0	0	0	1	1993
10142	168	420.1	177048	0	0	0	1	0	0	0	0	0	0	0	0	1993
10581	168	381.5	150390	0	0	0	0	1	0	0	0	0	0	0	0	1993
11151	168	279.4	95480	0	0	0	0	1	0	0	0	0	0	0	0	1993
7617	144	374.3	148093	0	0	0	0	1	0	0	0	0	0	0	0	1993
10526	42	344.4	143836	0	0	0	0	0	1	0	0	0	0	0	1	1993
10473	164	270.5	94529	0	0	0	0	0	1	0	0	0	0	0	0	1993
10356	168	234.7	73480	0	0	0	0	0	1	0	0	0	0	0	0	1993
10510	109	207.1	54938	0	0	0	0	0	1	0	0	0	0	0	1	1993

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
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

Data Base for DANIEL 1 Target Heat Rate Equation

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

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

AMW Average load on the unit, in MW.

LSRF Load square range factor, in 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
10106	168	360.6	151567	0	0	0	0	0	0	0	0	0	1	0	0	1990
10180	168	334.0	133113	0	0	0	0	0	0	0	0	0	1	0	0	1990
10128	168	324.0	127318	0	0	0	0	0	0	0	0	0	1	0	0	1990
10470	169	252.2	81569	0	0	0	0	0	0	0	0	0	1	0	0	1990
9884	168	389.0	171721	0	0	0	0	0	0	0	0	0	0	1	0	1990
10048	168	374.4	161038	0	0	0	0	0	0	0	0	0	0	1	0	1990
10247	168	314.3	121166	0	0	0	0	0	0	0	0	0	0	1	0	1990
11222	47	205.8	48894	0	0	0	0	0	0	0	0	0	0	1	1	1990
10518	168	239.0	65738	0	0	0	0	0	0	0	0	0	0	1	0	1990
10518	168	248.6	75407	0	0	0	0	0	0	0	0	0	0	0	0	1990
10410	168	255.4	81298	0	0	0	0	0	0	0	0	0	0	0	0	1990
10180	134	355.9	152668	0	0	0	0	0	0	0	0	0	0	0	0	1990
* 11850	112	174.7	32789	0	0	1	0	0	0	0	0	0	0	0	1	1991
10888	167	212.0	53156	0	0	0	1	0	0	0	0	0	0	0	0	1991
9982	161	203.2	48033	0	0	0	1	0	0	0	0	0	0	0	0	1991
9921	168	370.1	161763	0	0	0	1	0	0	0	0	0	0	0	0	1991
10080	168	322.8	124023	0	0	0	1	0	0	0	0	0	0	0	0	1991
9973	41	351.5	140248	0	0	0	0	1	0	0	0	0	0	0	0	1991
* 13009	17	203.1	48886	0	0	0	0	1	0	0	0	0	0	0	1	1991
* 14511	12	159.3	27707	0	0	0	0	1	0	0	0	0	0	0	1	1991
10326	168	264.4	82718	0	0	0	0	1	0	0	0	0	0	0	0	1991
10261	168	309.8	112845	0	0	0	0	1	0	0	0	0	0	0	0	1991
10243	168	295.6	106588	0	0	0	0	0	1	0	0	0	0	0	0	1991
10351	168	281.2	98583	0	0	0	0	0	1	0	0	0	0	0	0	1991
10064	168	376.7	167485	0	0	0	0	0	1	0	0	0	0	0	0	1991
10471	168	247.9	80062	0	0	0	0	0	1	0	0	0	0	0	0	1991
10408	168	232.1	67792	0	0	0	0	0	0	1	0	0	0	0	0	1991
10552	168	272.8	94583	0	0	0	0	0	0	1	0	0	0	0	0	1991
10539	168	256.2	81463	0	0	0	0	0	0	1	0	0	0	0	0	1991
10260	114	266.5	87211	0	0	0	0	0	0	1	0	0	0	0	0	1991
10390	161	272.3	92272	0	0	0	0	0	0	0	1	0	0	0	1	1991
10219	129	299.4	114365	0	0	0	0	0	0	0	1	0	0	0	0	1991
* 14468	11	186.9	42288	0	0	0	0	0	0	0	1	0	0	0	1	1991
10217	168	353.9	151199	0	0	0	0	0	0	0	1	0	0	0	0	1991
10007	168	403.7	185864	0	0	0	0	0	0	0	1	0	0	0	0	1991
10002	168	406.9	188860	0	0	0	0	0	0	0	0	1	0	0	0	1991
10175	167	399.2	184044	0	0	0	0	0	0	0	0	1	0	0	0	1991
10002	168	410.9	191989	0	0	0	0	0	0	0	0	1	0	0	0	1991
9962	168	411.9	194645	0	0	0	0	0	0	0	0	1	0	0	0	1991
* 8710	24	403.5	188050	0	0	0	0	0	0	0	0	1	0	0	0	1991
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
9931	168	417.8	199782	0	0	0	0	0	0	0	0	0	0	1	0	1991

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
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	242.1	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	52421	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	241.4	74592	0	0	0	0	0	0	0	0	1	0	0	1	1992
10935	46	188.8	40822	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
9990	168	298.8	106807	1	0	0	0	0	0	0	0	0	0	0	0	1993
10282	155	366.7	146943	1	0	0	0	0	0	0	0	0	0	0	0	1993
9549	107	192.8	45567	0	0	1	0	0	0	0	0	0	0	0	1	1993
10158	168	204.4	51524	0	0	1	0	0	0	0	0	0	0	0	0	1993
10548	168	181.0	36716	0	0	1	0	0	0	0	0	0	0	0	0	1993
10122	167	253.3	84964	0	0	0	1	0	0	0	0	0	0	0	0	1993
10545	168	181.8	38902	0	0	0	1	0	0	0	0	0	0	0	0	1993
10169	168	231.0	64426	0	0	0	1	0	0	0	0	0	0	0	0	1993
9991	167	280.5	104314	0	0	0	1	0	0	0	0	0	0	0	0	1993
9648	168	327.3	138364	0	0	0	0	1	0	0	0	0	0	0	0	1993
9580	168	369.5	163797	0	0	0	0	1	0	0	0	0	0	0	0	1993
10294	168	232.8	72455	0	0	0	0	1	0	0	0	0	0	0	0	1993

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
10948	168	159.8	26309	0	0	0	0	1	0	0	0	0	0	0	0	1993
10675	168	190.5	44569	0	0	0	0	1	0	0	0	0	0	0	0	1993
10093	160	295.3	112190	0	0	0	0	0	1	0	0	0	0	0	0	1993
10215	168	286.0	105944	0	0	0	0	0	1	0	0	0	0	0	0	1993
10586	168	262.1	87621	0	0	0	0	0	1	0	0	0	0	0	0	1993
10975	168	223.0	65231	0	0	0	0	0	1	0	0	0	0	0	0	1993
10495	168	316.4	123805	0	0	0	0	0	0	1	0	0	0	0	0	1993
10156	168	310.7	124835	0	0	0	0	0	0	1	0	0	0	0	0	1993
9837	168	351.0	152563	0	0	0	0	0	0	1	0	0	0	0	0	1993
10095	168	340.0	145363	0	0	0	0	0	0	1	0	0	0	0	0	1993
10087	168	323.4	132357	0	0	0	0	0	0	0	1	0	0	0	0	1993
9890	168	313.9	124037	0	0	0	0	0	0	0	1	0	0	0	0	1993
10056	168	325.4	134004	0	0	0	0	0	0	0	1	0	0	0	0	1993
10258	166	324.3	134481	0	0	0	0	0	0	0	1	0	0	0	0	1993
10257	168	324.9	131237	0	0	0	0	0	0	0	1	0	0	0	0	1993
10451	85	294.9	113085	0	0	0	0	0	0	0	0	1	0	0	0	1993
10997	20	300.0	113348	0	0	0	0	0	0	0	0	1	0	0	1	1993
10064	168	313.6	124514	0	0	0	0	0	0	0	0	1	0	0	0	1993
10271	168	334.3	138915	0	0	0	0	0	0	0	0	1	0	0	0	1993
10357	24	312.5	121950	0	0	0	0	0	0	0	0	1	0	0	0	1993

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.

HOURL 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.

Calculation of
Target Average Net Operating Heat Rates
for April 1994 - September 1994

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	Apr '94	0.0	0	-	0	
	May '94	238.7	62,132	10,393	83,560	
	Jun '94	248.3	66,405	10,342	151,940	
	Jul '94	243.3	64,171	10,368	154,270	
	Aug '94	248.6	66,540	10,341	168,320	
	Sep '94	216.9	52,666	10,525	142,050	10,391
CRIST 7	Apr '94	410.6	179,634	9,891	253,740	
	May '94	396.5	169,328	10,259	253,780	
	Jun '94	407.7	177,503	10,212	235,640	
	Jul '94	402.4	173,623	10,383	241,030	
	Aug '94	409.9	179,119	10,341	245,560	
	Sep '94	381.4	158,448	10,323	220,470	10,231
SMITH 1	Apr '94	159.5	25,474	10,155	21,530	
	May '94	151.1	23,320	10,183	105,930	
	Jun '94	157.8	25,033	10,160	99,880	
	Jul '94	160.6	25,761	10,152	112,610	
	Aug '94	160.8	25,813	10,151	112,690	
	Sep '94	155.6	24,466	10,167	105,660	10,162

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.

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

Calculation of
Target Average Net Operating Heat Rates
for April 1994 - September 1994

Unit	Month	Forecast AKW * 10 ³	Forecast LSRF * 10 ⁶	Forecast Monthly ANOHR	Forecast AKW * 10 ³ Generation	Weighted ANOHR Target
SMITH 2	Apr '94	182.5	33,509	10,173	120,660	
	May '94	173.2	30,857	10,181	118,450	
	Jun '94	181.4	33,191	10,266	112,100	
	Jul '94	187.8	35,056	10,172	128,480	
	Aug '94	188.7	35,321	10,172	129,060	
	Sep '94	178.4	32,330	10,175	118,120	10,192
DANIEL 1	Apr '94	385.7	166,451	10,257	243,380	
	May '94	220.1	60,239	11,134	159,770	
	Jun '94	275.2	93,587	10,485	180,560	
	Jul '94	345.5	139,018	10,323	242,860	
	Aug '94	359.8	148,656	10,298	261,200	
	Sep '94	284.2	99,223	10,460	106,590	10,449
DANIEL 2	Apr '94	399.5	184,148	9,809	281,660	
	May '94	256.8	84,135	10,233	187,190	
	Jun '94	306.9	117,681	10,226	202,280	
	Jul '94	364.6	158,417	10,045	265,820	
	Aug '94	375.3	166,218	10,016	273,630	
	Sep '94	319.6	126,454	10,337	225,630	10,089

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.

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

Summary of Target, Maximum, and Minimum
Average Net Operating Heat Rates
for April 1994 - September 1994

Unit	Target Heat Rate BTU/KWH (0 Points)	Minimum Attainable Heat Rate (+ 10 Points)	Maximum Attainable Heat Rate (- 10 Points)
CRIST 6	10,391	10,079	10,703
CRIST 7	10,231	9,924	10,538
SMITH 1	10,162	9,857	10,467
SMITH 2	10,192	9,886	10,498
DANIEL 1	10,449	10,136	10,762
DANIEL 2	10,089	9,786	10,392

II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
Target Equivalent Availabilities
for April 1994 - September 1994

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR	Planned Outage Hours for Apr '94 - Sep '94	Reserve Shutdown Hours for Apr '94 - Sep '94	Target Equivalent Availability *
Crist 6	0.1173	1,079	0	66.6
Crist 7	0.1785	0	0	82.1
Smith 1	0.0706	576	0	80.8
Smith 2	0.0915	0	0	90.8
Daniel 1	0.0428	408	0	86.8
Daniel 2	0.0319	0	0	96.8

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

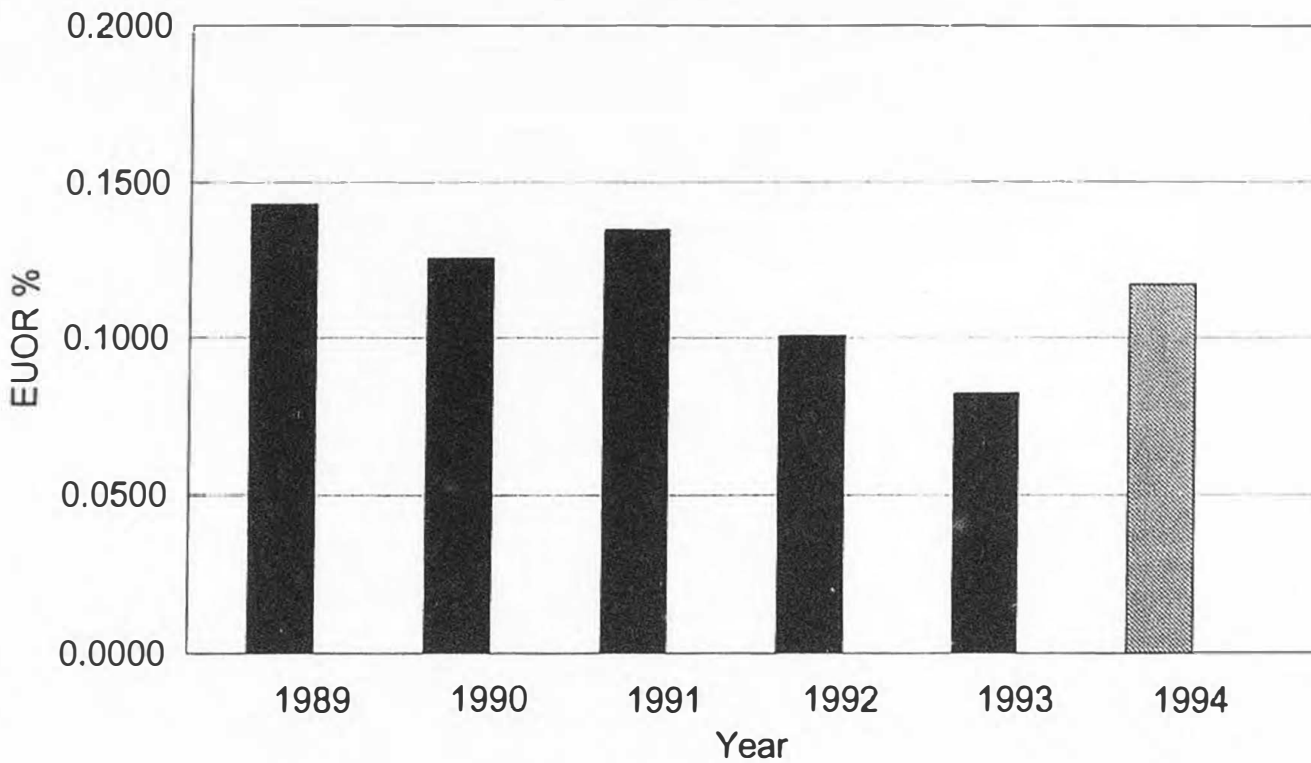
Calculation of Maximum and Minimum
Attainable Equivalent Availabilities
for April 1994 - September 1994

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	0.1173	0.0821	69.2	0.1701	62.6
Crist 7	0.1785	0.1250	87.5	0.2588	74.1
Smith 1	0.0706	0.0494	82.6	0.1024	78.0
Smith 2	0.0915	0.0641	93.6	0.1327	86.7
Daniel 1	0.0428	0.0300	88.0	0.0621	85.1
Daniel 2	0.0319	0.0223	97.8	0.0463	95.4

Summary of Target, Maximum, and Minimum
Equivalent Availabilities
for April 1994 - September 1994

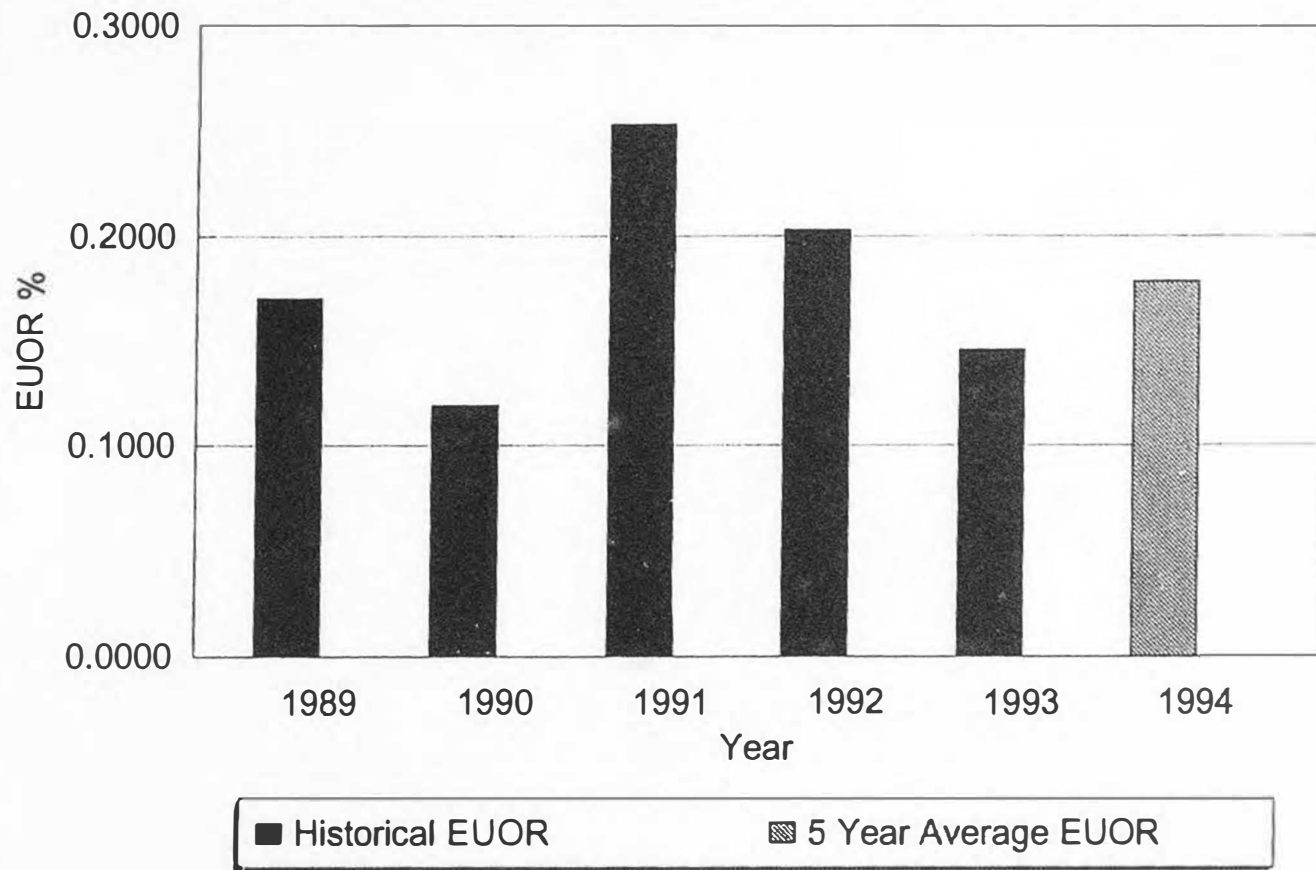
Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Crist 6	66.6	69.2	62.6
Crist 7	82.1	87.5	74.1
Smith 1	80.8	82.6	78.0
Smith 2	90.8	93.6	86.7
Daniel 1	86.8	88.0	85.1
Daniel 2	96.8	97.8	95.4

EUOR VS. YEAR
CRIST 6 April - September

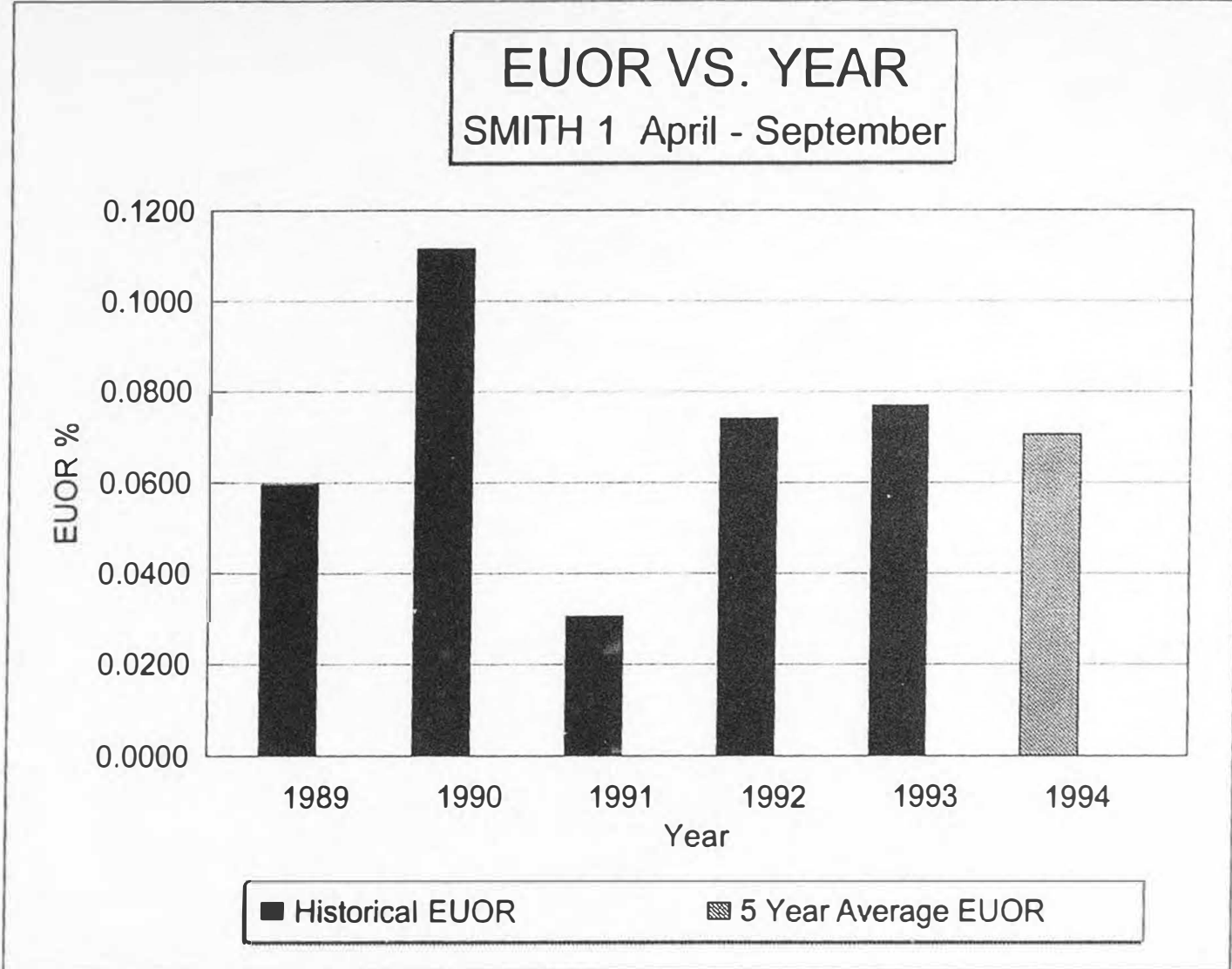


■ Historical EUOR ▨ 5 Year Average EUOR

EUOR VS. YEAR
CRIST 7 April - September

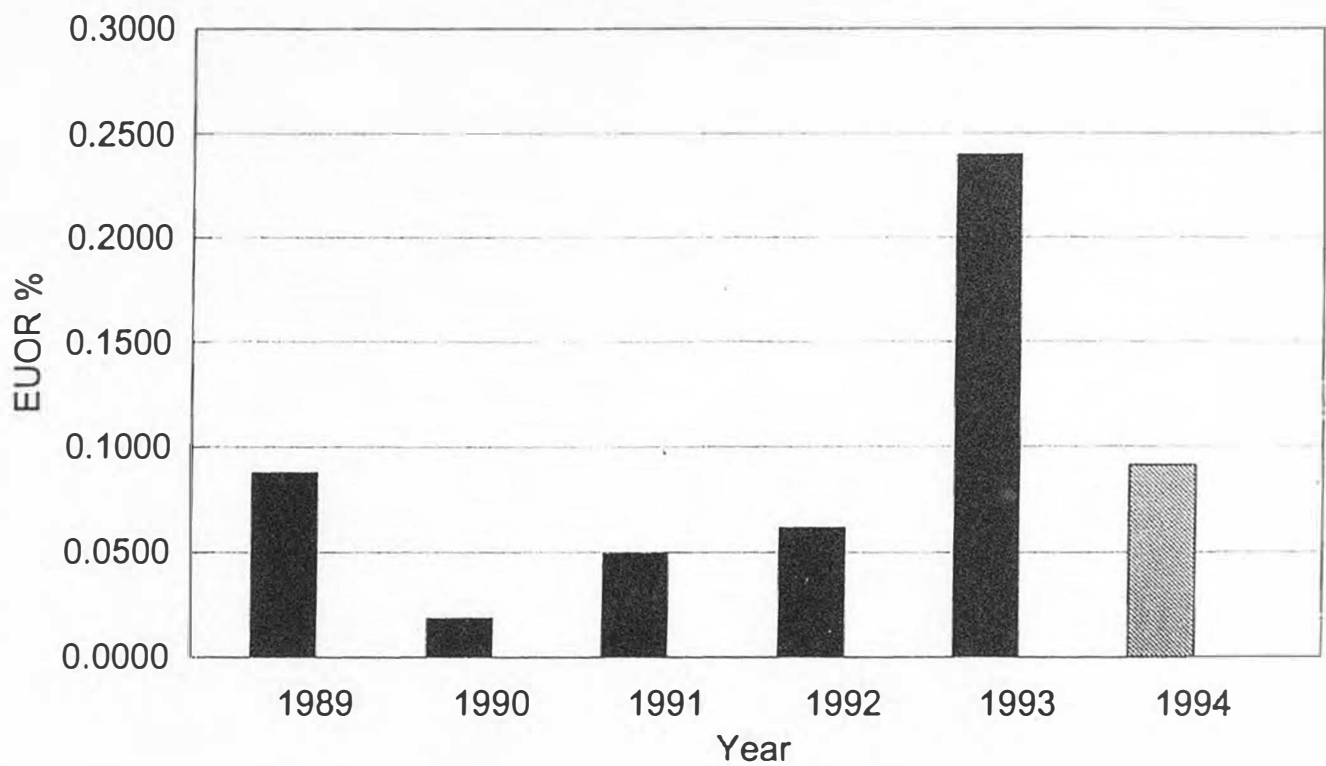


EUOR VS. YEAR
SMITH 1 April - September



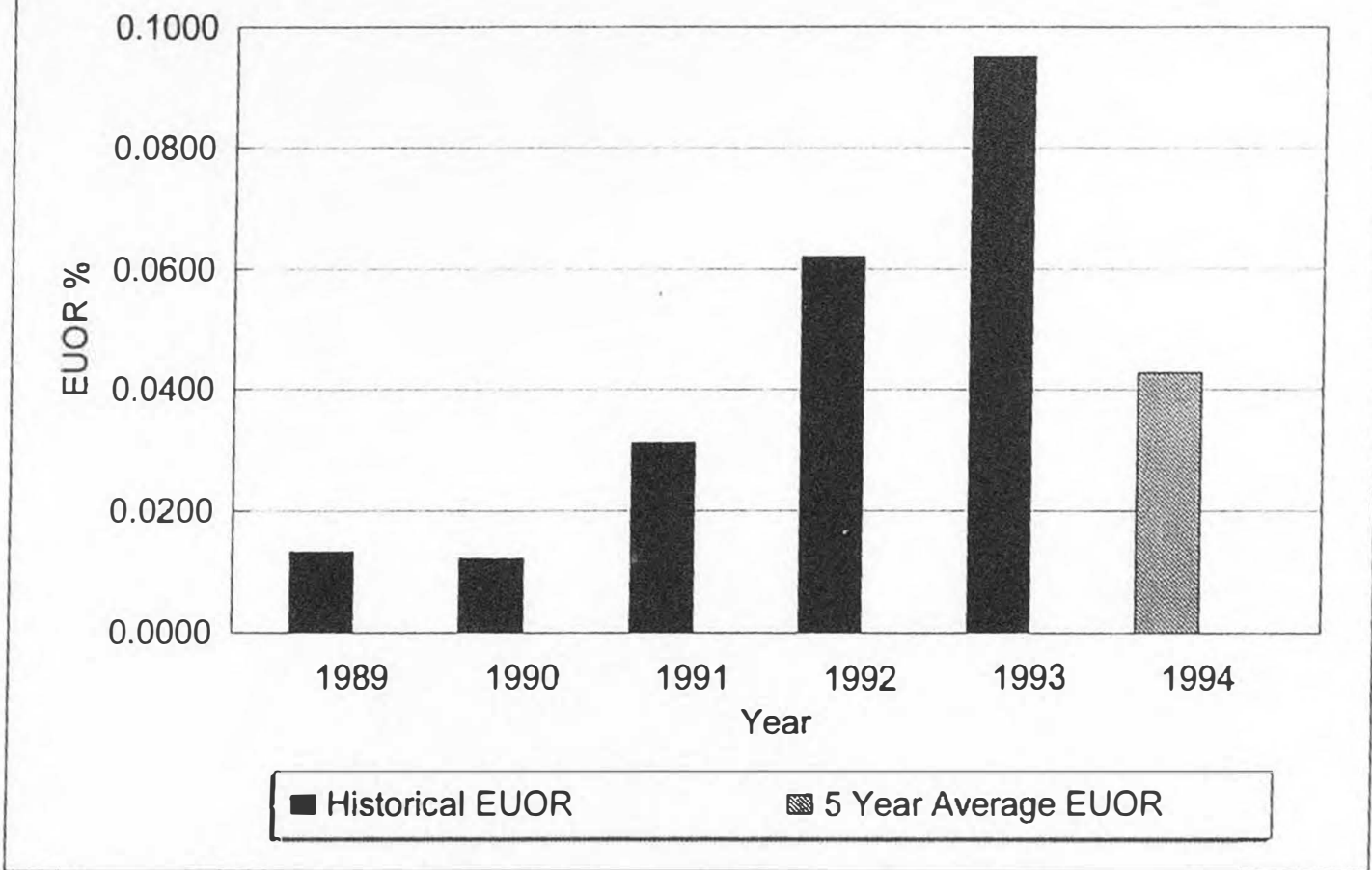
Florida Public Service Commission
Docket No. 940001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. (GDF-2)
Schedule 2
Page 7 of 10

EUOR VS. YEAR
SMITH 2 April - September



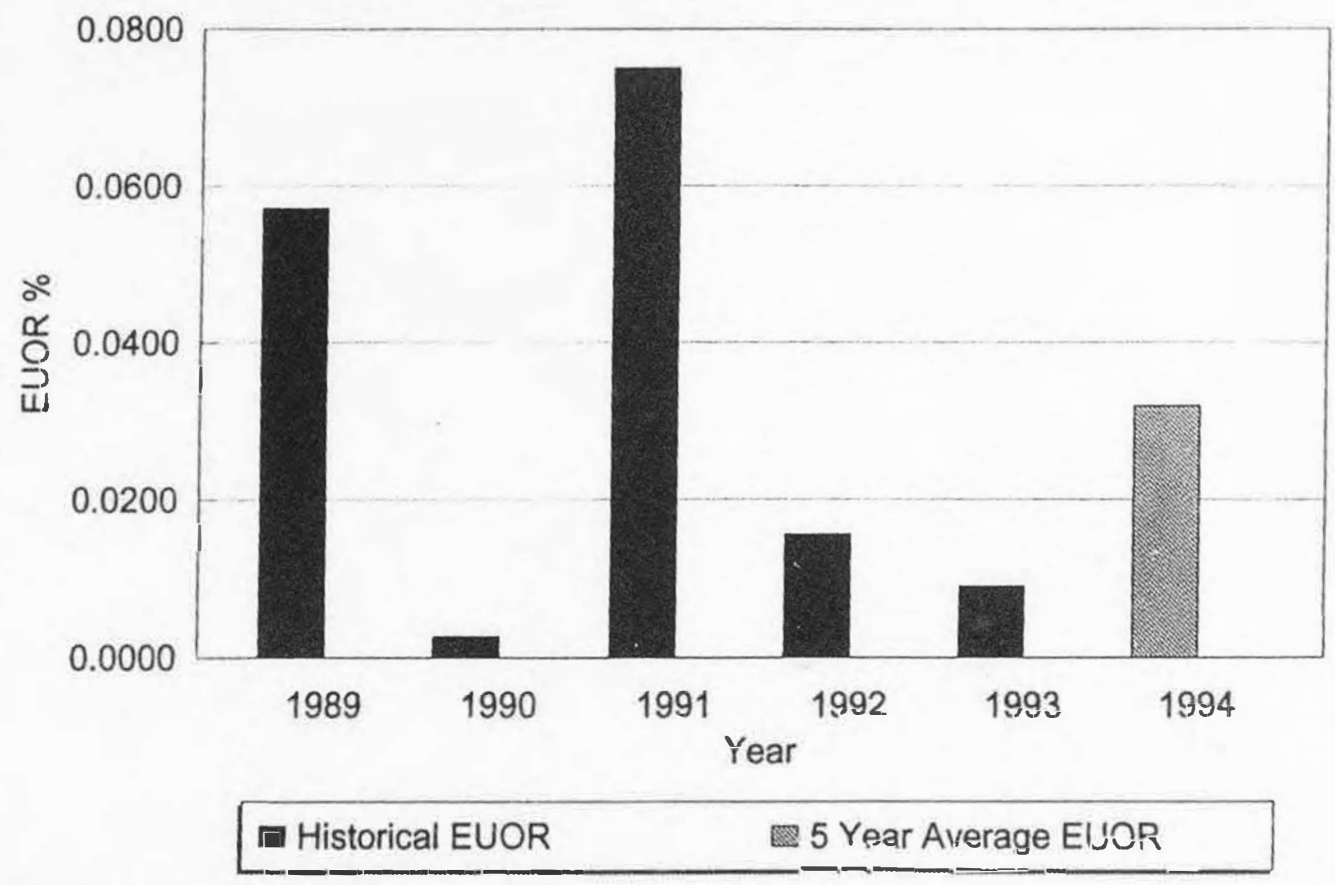
■ Historical EUOR ▨ 5 Year Average EUOR

EUOR VS. YEAR
DANIEL 1 April - September



Florida Public Service Commission
Docket No. 940001-EI
Gulf Power Company
Witness: G. D. Fontaine
Exhibit No. _____ (GDF-2)
Schedule 2
Page 9 of 10

EUOR VS. YEAR
DANIEL 2 April - September



III. GPIF MINIMUM FILING REQUIREMENTS FOR THE
PERIOD APRIL 1994 - SEPTEMBER 1994

CONTENTS	SCHEDULE 3
	<u>PAGE</u>
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 ANOHR	8
Example Calculation of Prior Season ANOHR	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 1994 - September 1994

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	3439	832
+ 9	3095	749
+ 8	2751	665
+ 7	2407	582
+ 6	2063	499
+ 5	1720	416
+ 4	1376	333
+ 3	1032	250
+ 2	688	166
+ 1	344	83
0	0	0
- 1	-354	-83
- 2	-709	-166
- 3	-1063	-250
- 4	-1418	-333
- 5	-1772	-416
- 6	-2126	-499
- 7	-2481	-582
- 8	-2835	-665
- 9	-3190	-749
- 10	-3544	-832
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

Issued by: D. L. McCrary

Page 3 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-E1
Order No.:

Generating Performance Incentive Factor
 Calculation of Maximum Allowed Incentive Dollars
 Estimated
 Gulf Power Company
 Period of: April 1994 - September 1994

Line 1	Beginning of Period Balance of Common Equity	\$416,029,000
	End of Month Balance of Common Equity:	
Line 2	Month of Apr '94	\$406,222,000
Line 3	Month of May '94	\$411,744,000
Line 4	Month of Jun '94	\$419,093,000
Line 5	Month of Jul '94	\$414,405,000
Line 6	Month of Aug '94	\$423,186,000
Line 7	Month of Sep '94	\$428,784,000
Line 8	Average Common Equity for the Period (sum of line 1 through line 7 divided by 7)	\$417,066,143
Line 9	25 Basis Points	0.0025
Line 10	Revenue Expansion Factor	60.4524%
Line 11	Maximum Allowed Incentive Dollars (line 8 multiplied by line 9 divided by line 10 multiplied by 0.5)	\$862,385
Line 12	Jurisdictional Sales (KWH)	4,531,379,000
Line 13	Total Territorial Sales (KWH)	4,697,634,000
Line 14	Jurisdictional Separation Factor (line 12 divided by line 13)	96.4609%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (line 11 multiplied by line 14)	\$831,864

Issued by: D. L. McCrary

Page 4 of 25
Schedule 3

Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No. :941 0001-111
Order No.:

GPIF Unit Performance Summary

Gulf Power Company

Period of: April 1994 - September 1994

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range		Max Fuel Savings (\$000)	Max Fuel Loss (\$000)
			Max %	Min %		
Crist 6	1.9%	66.6	69.2	62.6	\$65	(\$91)
Crist 7	3.5%	82.1	87.5	74.1	\$120	(\$174)
Smith 1	1.2%	80.8	82.6	78.0	\$42	(\$52)
Smith 2	1.5%	90.8	93.6	86.7	\$53	(\$69)
Daniel 1	3.6%	86.8	88.0	85.1	\$124	(\$132)
Daniel 2	4.1%	96.8	97.8	95.4	\$140	(\$131)

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	8.0%	10,391	75.4	10,079	10,703	\$274	(\$274)
Crist 7	19.2%	10,231	79.7	9,924	10,538	\$659	(\$659)
Smith 1	7.5%	10,162	97.7	9,857	10,467	\$259	(\$259)
Smith 2	9.7%	10,192	95.3	9,886	10,498	\$333	(\$333)
Daniel 1	18.1%	10,449	61.4	10,136	10,762	\$622	(\$622)
Daniel 2	21.8%	10,089	66.2	9,786	10,392	\$748	(\$748)

Issued by: D. L. McCrary

Page 5 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-EI
Order No.:

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: April 1994 - September 1994

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target			Actual Performance 1st Prior Period Apr '93 - Sep '93			Actual Performance 1st Prior Period Apr '92 - Sep '92		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 6	1.9%	11.9%	0.2457	0.0886	0.1173	0.0000	0.0798	0.0823	0.1569	0.0387	0.1008
Crist 7	3.5%	22.1%	0.0000	0.1785	0.1785	0.3007	0.1020	0.1459	0.1716	0.1660	0.2032
Smith 1	1.2%	7.7%	0.1312	0.0613	0.0706	0.0000	0.0770	0.0770	0.0688	0.0691	0.0742
Smith 2	1.5%	9.7%	0.0000	0.0916	0.0915	0.1834	0.1959	0.2400	0.0871	0.0556	0.0620
Daniel 1	3.6%	22.8%	0.0929	0.0389	0.0428	0.0000	0.0807	0.0952	0.0038	0.0510	0.0621
Daniel 2	4.1%	25.7%	0.0000	0.0319	0.0319	0.0000	0.0086	0.0091	0.1271	0.0089	0.0156
Weighted GPIF System Average:			0.0607	0.0807	0.0857	0.0842	0.0777	0.0954	0.1040	0.0659	0.0868

Issued by: D. L. McCrary

Page 6 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-E1
Order No.:

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: April 1994 - September 1994

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Apr '91 - Sep '91			Actual Performance 4th Prior Period Apr '90 - Sep '90			Actual Performance 5th Prior Period Apr '89 - Sep '89		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 6	1.9%	11.9%	0.0000	0.1255	0.1349	0.3252	0.0848	0.1256	0.0000	0.1373	0.1430
Crist 7	3.5%	22.1%	0.3446	0.1635	0.2533	0.0000	0.1130	0.1196	0.1208	0.1443	0.1704
Smith 1	1.2%	7.7%	0.0729	0.0280	0.0307	0.1273	0.0838	0.1116	0.1515	0.0491	0.0596
Smith 2	1.5%	9.7%	0.1158	0.0419	0.0492	0.0115	0.0156	0.0187	0.0291	0.0853	0.0878
Daniel 1	3.6%	22.8%	0.0634	0.0225	0.0313	0.0109	0.0107	0.0122	0.0000	0.0109	0.0132
Daniel 2	4.1%	25.7%	0.0000	0.0682	0.0751	0.0000	0.0022	0.0027	0.0000	0.0493	0.0571
Weighted GPIF System Average:			0.1074	0.0800	0.1056	0.0523	0.0461	0.0553	0.0412	0.0755	0.0855

Issued by: D. L. McCrary

Page 7 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-EI
Order No.:

Comparison of GPIF Targets vs. Actual Performance of Prior Periods
 Average Net Operating Heat Rate
 Gulf Power Company

Period of: April 1994 - September 1994

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Heat Rate Target	1st Prior Period Heat Rate Apr '93 - Sep '93	2nd Prior Period Heat Rate Apr '92 - Sep '92	3rd Prior Period Heat Rate Apr '91 - Sep '91
Crist 6	8.0%	9.5%	10,391	10,374	10,321	10,568
Crist 7	19.2%	22.8%	10,231	10,448	10,170	10,303
Smith 1	7.5%	8.9%	10,162	10,220	10,035	10,306
Smith 2	9.7%	11.5%	10,192	10,215	10,087	10,347
Daniel i	18.1%	21.5%	10,449	10,141	10,378	10,765
Daniel 2	21.8%	25.8%	10,089	10,043	10,118	10,129
Weighted GPIF System Average:			10,246	10,223	10,194	10,388

Issued by: D. L. McCrary

Filed: January 18, 1994
 Suspended:
 Effective: April 1, 1994
 Docket No.: 940001-EI
 Order No.:

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Average Net Operating Heat Rate

Gulf Power Company

Period of: April 1994 - September 1994

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Heat Rate Target	1st Prior Period	2nd Prior Period	3rd Prior Period
				Heat Rate Apr '93 - Sep '93	Heat Rate Apr '92 - Sep '92	Heat Rate Apr '91 - Sep '91
Crist 6	8.0%	9.5%	10,391	10,374	10,321	10,568
Crist 7	19.2%	22.8%	10,231	10,448	10,170	10,303
Smith 1	7.5%	8.9%	10,162	10,220	10,035	10,306
Smith 2	9.7%	11.5%	10,192	10,215	10,087	10,347
Daniel 1	18.1%	21.5%	10,449	10,141	10,378	10,765
Daniel 2	21.8%	25.8%	10,089	10,043	10,118	10,129
Weighted GPIF System Average:			10,246	10,223	10,194	10,388

Issued by: D. L. McCrary

Page 8 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-EI
Order No.:

Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 6 Apr '92 - Sep '92

	Apr	May	Jun	Jul	Aug	Sep	
1. Target Heat Rate*	-	10393	10342	10368	10341	10525	
2. Target Heat Rate at Actual Conditions**	10362	10205	10343	10236	10238	10265	
3. Adjustments to Actual Heat Rate (1-2)	0	188	-1	132	103	260	
4. Actual Heat Rate for Prior Period	10252	10121	10418	10143	10219	10015	
5. Adjusted actual Heat Rate (4+3)	10252	10309	10417	10275	10322	10275	
6. Forecast Net MWh Generation*	0	83560	151940	154270	168320	142050	
7. Adjusted Actual Heat Rate for Apr '92 - Sep '92 = (Σ (5) * (6)) / (Σ (6))							10,321

* For the April 1994 - September 1994 time period.

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

Issued by: D. L. McCrary

Page 9 of 25
Schedule 3

Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-E1
Order No.:

Derivation of Weighting Factors
 Gulf Power Company
 Period of: April 1994 - September 1994

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	\$104,496	\$104,431	\$65	1.9%
Crist 6	ANOHR-1	\$104,496	\$104,222	\$274	8.0%
Crist 7	EA-2	\$104,496	\$104,376	\$120	3.5%
Crist 7	ANOHR-2	\$104,496	\$103,837	\$659	19.2%
Smith 1	EA-3	\$104,496	\$104,454	\$42	1.2%
Smith 1	ANOHR-3	\$104,496	\$104,237	\$259	7.5%
Smith 2	EA-4	\$104,496	\$104,443	\$53	1.5%
Smith 2	ANOHR-4	\$104,496	\$104,163	\$333	9.7%
Daniel 1	EA-5	\$104,496	\$104,372	\$124	3.6%
Daniel 1	ANOHR-5	\$104,496	\$103,874	\$622	18.1%
Daniel 2	EA-6	\$104,496	\$104,356	\$140	4.1%
Daniel 2	ANOHR-6	\$104,496	\$103,748	\$748	21.8%

- (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: D. L. McCrary

Page 10 of 25
 Schedule 3

Filed: January 18, 1994
 Suspended:
 Effective: April 1, 1994
 Docket No.: 940001-E1
 Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1994 - September 1994

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	65	69.20	+ 10	274	10,079
+ 9	59	68.94	+ 9	247	10,103
+ 8	52	68.68	+ 8	219	10,126
+ 7	46	68.42	+ 7	192	10,150
+ 6	39	68.16	+ 6	164	10,174
+ 5	33	67.90	+ 5	137	10,198
+ 4	26	67.64	+ 4	110	10,221
+ 3	20	67.38	+ 3	82	10,245
+ 2	13	67.12	+ 2	55	10,269
+ 1	7	66.86	+ 1	27	10,292
0	0	66.60	0	0	10,316
- 1	(9)	66.20	- 1	(27)	10,391
- 2	(18)	65.80	- 2	(55)	10,466
- 3	(27)	65.40	- 3	(82)	10,490
- 4	(36)	65.00	- 4	(110)	10,513
- 5	(46)	64.60	- 5	(137)	10,537
- 6	(55)	64.20	- 6	(164)	10,561
- 7	(64)	63.80	- 7	(192)	10,585
- 8	(73)	63.40	- 8	(219)	10,608
- 9	(82)	63.00	- 9	(247)	10,632
- 10	(91)	62.60	- 10	(274)	10,656
Weighting Factor:		0.019	Weighting Factor:		0.080

Issued by: D. L. McCrary

Page 11 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1994 - September 1994

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	120	87.50	+ 10	659	9,924
+ 9	108	86.97	+ 9	593	9,947
+ 8	96	86.44	+ 8	527	9,970
+ 7	84	85.91	+ 7	461	9,994
+ 6	72	85.38	+ 6	395	10,017
+ 5	60	84.85	+ 5	330	10,040
+ 4	48	84.32	+ 4	264	10,063
+ 3	36	83.79	+ 3	198	10,086
+ 2	24	83.26	+ 2	132	10,110
+ 1	12	82.73	+ 1	66	10,133
0	0	82.20	0	0	10,156
- 1	(17)	81.39	- 1	(66)	10,231
- 2	(35)	80.58	- 2	(132)	10,306
- 3	(52)	79.77	- 3	(198)	10,329
- 4	(70)	78.96	- 4	(264)	10,352
- 5	(87)	78.15	- 5	(330)	10,376
- 6	(104)	77.34	- 6	(395)	10,399
- 7	(122)	76.53	- 7	(461)	10,422
- 8	(139)	75.72	- 8	(527)	10,445
- 9	(157)	74.91	- 9	(593)	10,468
- 10	(174)	74.10	- 10	(659)	10,492
Weighting Factor:		0.035	Weighting Factor:		0.192

Issued by: D. L. McCrary

Page 12 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 960001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1994 - September 1994

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	42	82.60	+ 10	259	9,857
+ 9	38	82.41	+ 9	233	9,880
+ 8	34	82.22	+ 8	207	9,903
+ 7	29	82.03	+ 7	181	9,926
+ 6	25	81.84	+ 6	155	9,949
+ 5	21	81.65	+ 5	130	9,972
+ 4	17	81.46	+ 4	104	9,995
+ 3	13	81.27	+ 3	78	10,018
+ 2	8	81.08	+ 2	52	10,041
+ 1	4	80.89	+ 1	26	10,064
0	0	80.70	0	0	10,087
				0	10,162
				0	10,237
- 1	(5)	80.43	- 1	(26)	10,260
- 2	(10)	80.16	- 2	(52)	10,283
- 3	(16)	79.89	- 3	(78)	10,306
- 4	(21)	79.62	- 4	(104)	10,329
- 5	(26)	79.35	- 5	(130)	10,352
- 6	(31)	79.08	- 6	(155)	10,375
- 7	(36)	78.81	- 7	(181)	10,398
- 8	(42)	78.54	- 8	(207)	10,421
- 9	(47)	78.27	- 9	(233)	10,444
- 10	(52)	78.00	- 10	(259)	10,467
Weighting Factor:		0.012	Weighting Factor:		0.075

Issued by: D. L. McCrary

Page 13 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-E1
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1994 - September 1994

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	53	93.60	+ 10	333	9,886
+ 9	48	93.33	+ 9	300	9,909
+ 8	42	93.06	+ 8	266	9,932
+ 7	37	92.79	+ 7	233	9,955
+ 6	32	92.52	+ 6	200	9,978
+ 5	27	92.25	+ 5	167	10,002
+ 4	21	91.98	+ 4	133	10,025
+ 3	16	91.71	+ 3	100	10,048
+ 2	11	91.44	+ 2	67	10,071
+ 1	5	91.17	+ 1	33	10,094
0	0	90.90	0	0	10,117
				0	10,192
				0	10,267
- 1	(7)	90.48	- 1	(33)	10,290
- 2	(14)	90.06	- 2	(67)	10,313
- 3	(21)	89.64	- 3	(100)	10,336
- 4	(28)	89.22	- 4	(133)	10,359
- 5	(35)	88.80	- 5	(167)	10,383
- 6	(41)	88.38	- 6	(200)	10,406
- 7	(48)	87.96	- 7	(233)	10,429
- 8	(55)	87.54	- 8	(266)	10,452
- 9	(62)	87.12	- 9	(300)	10,475
- 10	(69)	86.70	- 10	(333)	10,498
Weighting Factor:		0.015	Weighting Factor:		0.091

Issued by: D. L. McCrary

Page 14 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1994 - September 1994

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	124	88.00	+ 10	622	10,136
+ 9	112	87.88	+ 9	560	10,160
+ 8	99	87.76	+ 8	498	10,184
+ 7	87	87.64	+ 7	435	10,207
+ 6	74	87.52	+ 6	373	10,231
+ 5	62	87.40	+ 5	311	10,255
+ 4	50	87.28	+ 4	249	10,279
+ 3	37	87.16	+ 3	187	10,303
+ 2	25	87.04	+ 2	124	10,326
+ 1	12	86.92	+ 1	62	10,350
0	0	86.80	0	0	10,374
- 1	(13)	86.63	- 1	(62)	10,449
- 2	(26)	86.46	- 2	(124)	10,524
- 3	(40)	86.29	- 3	(187)	10,548
- 4	(53)	86.12	- 4	(249)	10,572
- 5	(66)	85.95	- 5	(311)	10,595
- 6	(79)	85.78	- 6	(373)	10,619
- 7	(92)	85.61	- 7	(435)	10,643
- 8	(106)	85.44	- 8	(498)	10,667
- 9	(119)	85.27	- 9	(560)	10,691
- 10	(132)	85.10	- 10	(622)	10,714
					10,738
					10,762
Weighting Factor:		0.036	Weighting Factor:		0.181

Issued by: D. L. McCrary

Page 15 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-E1
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: April 1994 - September 1994

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	140	97.80	+ 10	748	9,786
+ 9	126	97.70	+ 9	673	9,809
+ 8	112	97.60	+ 8	598	9,832
+ 7	98	97.50	+ 7	524	9,854
+ 6	84	97.40	+ 6	449	9,877
+ 5	70	97.30	+ 5	374	9,900
+ 4	56	97.20	+ 4	299	9,923
+ 3	42	97.10	+ 3	224	9,946
+ 2	28	97.00	+ 2	150	9,968
+ 1	14	96.90	+ 1	75	9,991
0	0	96.80	0	0	10,014
- 1	(13)	96.66	- 1	0	10,089
- 2	(26)	96.52	- 2	(75)	10,164
- 3	(39)	96.38	- 3	(150)	10,187
- 4	(52)	96.24	- 4	(224)	10,210
- 5	(66)	96.10	- 5	(299)	10,232
- 6	(79)	95.96	- 6	(374)	10,255
- 7	(92)	95.82	- 7	(449)	10,278
- 8	(105)	95.68	- 8	(524)	10,301
- 9	(118)	95.54	- 9	(598)	10,324
- 10	(131)	95.40	- 10	(673)	10,346
				(748)	10,369
					10,392
Weighting Factor:		0.041	Weighting Factor:		0.218

Issued by: D. L. McCrary

Page 16 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-E1
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

Issued by: D. L. McCrary

Page 17 of 25
Schedule 3

Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-E1
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1994 - September 1994

CRIST 6	Apr '94	May '94	Jun '94	Jul '94	Aug '94	Sep '94	Total
1. EAF (%)	0.0	46.4	85.0	85.2	91.0	91.0	66.6
2. POF (%)	100.0	48.4	0.0	0.0	0.0	0.0	24.6
3. EUOF (%)	0.0	5.2	15.0	14.8	9.0	9.0	8.8
4. EUOR (%)	0.0	10.2	15.0	14.8	9.0	9.0	11.7
5. PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6. SH	0.0	350.0	612.0	634.0	677.0	655.0	2928.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	719.0	394.0	108.0	110.0	67.0	65.0	1463.0
9. POH	719.0	360.0	0.0	0.0	0.0	0.0	1079.0
10. FOH & EFOH	0.0	39.0	60.0	62.0	67.0	65.0	293.0
11. MOH & EMOH	0.0	0.0	48.0	48.0	0.0	0.0	96.0
12. Over MBtu	0.0	868439.0	1571363.0	1599471.0	1740597.0	1495076.0	7274946.0
13. Net Gen (MWH)	0.0	83560.0	151940.0	154270.0	168320.0	142050.0	700140.0
14. ANOHR (Btu/KWH)	-	10393.0	10342.0	10368.0	10341.0	10525.0	10391.0
15. NOF %	0.0	75.3	78.3	76.8	78.4	68.4	75.4
16. NPC (MW)	317.0	317.0	317.0	317.0	317.0	317.0	317.0
19. ANOHR Equation	$10^6 / AKW * [313.41 + 47.43 * JAN - 32.04 * OCT]$ + 9,080						

Issued by: D. L. McCrary

Page 18 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1994 - September 1994

CRIST 7	Apr '94	May '94	Jun '94	Jul '94	Aug '94	Sep '94	Total
1. EAF (%)	86.0	86.0	79.6	80.5	80.5	80.3	82.1
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	14.0	14.0	20.4	19.5	19.5	19.7	17.9
4. EUOR (%)	14.0	14.0	20.4	19.5	19.5	19.7	17.9
5. PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6. SH	618.0	640.0	578.0	599.0	599.0	578.0	3612.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	101.0	104.0	142.0	145.0	145.0	142.0	779.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. FOH & EFOH	101.0	104.0	99.0	97.0	97.0	94.0	592.0
11. MOH & EMOH	0.0	0.0	48.0	48.0	48.0	48.0	192.0
12. Oper MBtu	2509742.0	2603529.0	2406356.0	2502614.0	2539336.0	2275912.0	14837489.0
13. Net Gen (MWH)	253740.0	253780.0	235640.0	241030.0	245560.0	220470.0	1450220.0
14. ANOHR (Btu/KWH)	9891.0	10259.0	10212.0	10383.0	10341.0	10323.0	10231.0
15. NOF %	81.5	78.7	80.9	79.8	81.3	75.7	79.7
16. NPC (MW)	504.0	504.0	504.0	504.0	504.0	504.0	504.0
19. ANOHR Equation	$10^6 / AKW * [-231.40 - 59.47 * MAR - 127.01 * APR + 60.00 * JUL + 56.40 * AUG]$ $+ 14,058 - 0.00753 * LSRF / AKW$						

Issued by: D. L. McCrary

Page 19 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1994 - September 1994

SMITH 1	Apr '94	May '94	Jun '94	Jul '94	Aug '94	Sep '94	Total
1. EAF (%)	18.2	94.2	87.9	94.2	94.2	94.3	80.8
2. POF (%)	80.1	0.0	0.0	0.0	0.0	0.0	13.1
3. EUOF (%)	1.7	5.8	12.1	5.8	5.8	5.7	6.1
4. EUOR (%)	8.4	5.8	12.1	5.8	5.8	5.7	7.1
5. PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6. SH	135.0	701.0	633.0	701.0	701.0	679.0	3550.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	584.0	43.0	87.0	43.0	43.0	41.0	841.0
9. POH	576.0	0.0	0.0	0.0	0.0	0.0	576.0
10. FOH & EFOH	12.0	43.0	39.0	43.0	43.0	41.0	221.0
11. MOH & EMOH	0.0	0.0	48.0	0.0	0.0	0.0	48.0
12. Oper MBtu	218637.0	1078685.0	1014781.0	1143217.0	1143916.0	1074245.0	5673481.0
13. Net Gen (MWH)	21530.0	105930.0	99880.0	112610.0	112690.0	105660.0	558300.0
14. ANOHR (Btu/KWH)	10155.0	10183.0	10160.0	10152.0	10151.0	10167.0	10162.0
15. NOF %	99.1	93.9	98.0	99.8	99.8	96.7	97.7
16. NPC (MW)	161.0	161.0	161.0	161.0	161.0	161.0	161.0
19. ANOHR Equation	$10^6 / AKW * [295.15 + 12.03 * JAN + 17.52 * MAR - 14.12 * OCT - 15.05 * NOV]$ $+ 6,097 + 0.01382 * LSRF / AKW$						

Issued by: D. L. McCrary

Page 20 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1994 - September 1994

SMITH 2	Apr '94	May '94	Jun '94	Jul '94	Aug '94	Sep '94	Total
1. EAF (%)	91.9	91.9	85.3	91.9	91.9	91.9	90.8
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	8.1	8.1	14.7	8.1	8.1	8.1	9.2
4. EUOR (%)	8.1	8.1	14.7	8.1	8.1	8.1	9.2
5. PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6. SH	661.0	684.0	618.0	684.0	684.0	662.0	3993.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	58.0	60.0	102.0	60.0	60.0	58.0	398.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. FOH & EFOH	58.0	60.0	58.0	60.0	60.0	58.0	354.0
11. MOH & EMOH	0.0	0.0	48.0	0.0	0.0	0.0	48.0
12. Oper MBtu	1227474.0	1205939.0	1153061.0	1306899.0	1312798.0	1201871.0	7408042.0
13. Net Gen (MWH)	120660.0	118450.0	112100.0	128480.0	129060.0	118120.0	726870.0
14. ANOHR (Btu/KWH)	10173.0	10181.0	10286.0	10172.0	10172.0	10175.0	10192.0
15. NOF %	95.6	90.7	95.0	98.3	98.8	93.4	95.3
16. NPC (MW)	191.0	191.0	191.0	191.0	191.0	191.0	191.0
19. ANOHR Equation	$10^6 / AKW * [333.12 + 24.79 * MAR + 20.35 * JUN]$ $+ 5,298 + 0.01661 * LSRF / AKW$						

Issued by: D. L. McCrary

Page 21 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1994 - September 1994

	DANIEL 1	Apr '94	May '94	Jun '94	Jul '94	Aug '94	Sep '94	Total
1.	EAFF (%)	87.8	97.6	91.1	94.5	97.6	51.4	86.8
2.	POF (%)	10.0	0.0	0.0	0.0	0.0	46.7	9.3
3.	EUOF (%)	2.2	2.4	8.9	5.5	2.4	1.9	3.9
4.	EUOR (%)	2.5	2.4	8.9	5.5	2.4	3.6	4.3
5.	PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6.	SH	631.0	726.0	656.0	703.0	726.0	375.0	3817.0
7.	RSR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	88.0	18.0	64.0	41.0	18.0	345.0	574.0
9.	POH	72.0	0.0	0.0	0.0	0.0	336.0	408.0
10.	FOH & EFOH	16.0	18.0	16.0	17.0	18.0	14.0	99.0
11.	MOH & EMOH	0.0	0.0	48.0	24.0	0.0	0.0	72.0
12.	Oper MBtu	2496349.0	1778879.0	1893172.0	2507044.0	2689838.0	1114931.0	12480213.0
13.	Net Gen (MWH)	243380.0	159770.0	180560.0	242860.0	261200.0	106590.0	1194350.0
14.	ANOHR (Btu/KWH)	10257.0	11134.0	10485.0	10323.0	10298.0	10460.0	10449.0
15.	NOF %	75.6	43.2	54.0	67.7	70.5	55.7	61.4
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	510.0
19.	ANOHR Equation	$10^6 / AKW * [218.79 + 64.88 * MAR + 98.95 * MAY] + 9,690$						

Issued by: D. L. McCrary

Page 22 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: April 1994 - September 1994

DANIEL 2	Apr '94	May '94	Jun '94	Jul '94	Aug '94	Sep '94	Total
1. EAF (%)	98.1	98.0	90.7	98.0	98.0	98.1	96.8
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	1.9	2.0	9.3	2.0	2.0	1.9	3.2
4. EUOR (%)	1.9	2.0	9.3	2.0	2.0	1.9	3.2
5. PH	719.0	744.0	720.0	744.0	744.0	720.0	4391.0
6. SH	705.0	729.0	659.0	729.0	729.0	706.0	4257.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	14.0	15.0	61.0	15.0	15.0	14.0	134.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. FOH & EFOH	14.0	15.0	19.0	15.0	15.0	14.0	92.0
11. MOH & EMOH	0.0	0.0	48.0	0.0	0.0	0.0	48.0
12. Oper MBtu	2762803.0	1915515.0	2068515.0	2670162.0	2740678.0	2332337.0	14490010.0
13. Net Gen (MWH)	281660.0	187190.0	202280.0	265820.0	273630.0	225630.0	1436210.0
14. ANOHR (Btu/KWH)	9809.0	10233.0	10226.0	10045.0	10016.0	10337.0	10089.0
15. NOF %	78.3	50.3	60.2	71.5	73.6	62.7	66.2
16. NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	510.0
19. ANOHR Equation	$10^6 / AKW * [89.26 - 89.43 * MAR - 57.63 * APR - 50.59 * MAY + 49.53 * SEP]$ $+ 10,947 - 0.00264 * LSRF / AKW$						

Issued by: D. L. McCrary

Page 23 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-EI
Order No.:

Planned Outage Schedules (Estimated)

Gulf Power Company

Period of: April 1994 - September 1994

Plant & Unit	Planned Outage Dates	Reason for Outage
Crist 6	02/26/94 - 05/15/94	General turbine & boiler maintenance and inspection.
Smith 1	02/12/94 - 04/24/94	General turbine maintenance and inspection.
Daniel 1	02/19/94 - 04/03/94	General turbine maintenance and inspection.
Daniel 1	09/17/94 - 10/30/94	Semi-annual general boiler maintenance and inspection.

Issued by: D. L. McCrary

Page 24 of 25
Schedule 3Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-E1
Order No.:

Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: April 1994 - September 1994

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 1994 - September 1994, 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	10/29/94 - 11/13/94	Semi-annual general boiler maintenance and inspection.
Crist 7	02/05/94 - 02/20/94	Semi-annual general boiler maintenance and inspection.
Crist 7	10/08/94 - 10/23/94	Semi-annual general boiler maintenance and inspection.
Smith 1	11/26/94 - 12/11/94	General turbine & boiler maintenance and inspection.
Smith 2	03/05/94 - 03/20/94	Semi-annual general boiler maintenance and inspection.
Smith 2	10/15/94 - 10/30/94	General turbine & boiler maintenance and inspection.
Daniel 2	01/22/94 - 03/06/94	General turbine maintenance and inspection.

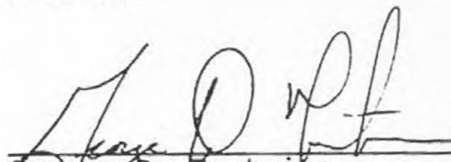
Filed: January 18, 1994
Suspended:
Effective: April 1, 1994
Docket No.: 940001-EI
Order No.:

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

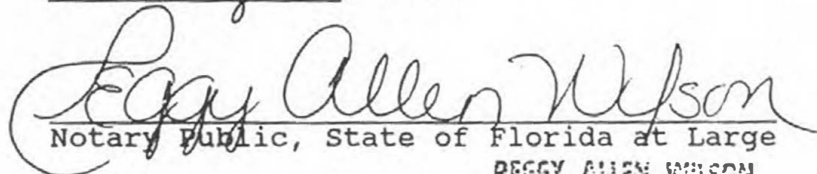
Docket No. 940001-EI

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 14 day of January, 1994.



Notary Public, State of Florida at Large

Commission Number: _____
"Notary Public State of Florida"

Commission Expires: My Commission Expires July 29, 1997
 CC 903770