GULF POWER COMPANY
TESTIMONY AND EXHIBITS OF
L. S. NOACK

GENERATING PERFORMANCE INCENTIVE FACTOR

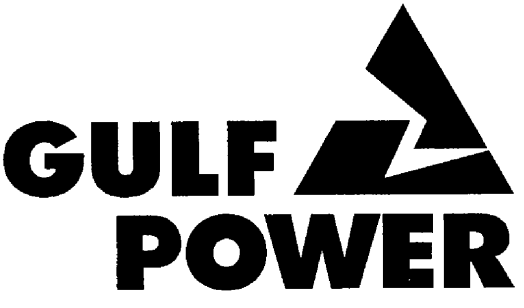
TARGETS FOR

JANUARY 2003 - DECEMBER 2003

Before

THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 020001-EI



A SOUTHERN COMPANY

GULF POWER COMPANY
Before the Florida Public Service Commission
Direct Testimony of
L. S. Noack
Docket No. 020001-EI
Date of Filing September 20, 2002

Q. Please state your name, address and occupation.

A. My name is Lonzelle S. Noack. My business address is One Energy Place, Pensacola, Florida 32520-0335. My current job position is Power Generation Specialist, Senior for Gulf Power Company.

Q. Please describe your educational and business background.

A. I received my Bachelor of Science degree in Environmental Engineering from the University of Florida in 1995 and received my Master of Business Administration degree from the University of West Florida in 2000. I joined Gulf Power in 1995 as an Environmental Engineer and served in that role with increasing levels of responsibility for over six years. Major responsibilities included coordination of federal and state air-related compliance testing for all Gulf Power generating units, management of the Continuous Emission Monitoring (CEM) System program at each of the Company's generating facilities, and coordination of

the Company's air compliance reporting to state and federal regulatory agencies. I was also responsible for serving as Gulf's Environmental Subject Matter Expert on Company and system-wide compliance teams. As previously mentioned in my testimony, my current job position is Power Generation Specialist, Senior at Gulf Power Company. In this position, I am responsible for preparing all GPIF filings as well as other generating plant reliability and heat rate performance reporting.

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

A. The purpose of my testimony is to present GPIF targets for Gulf Power Company for the period of January 1, 2003 through December 31, 2003.

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

A. Yes. I have prepared one exhibit consisting of three schedules.

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

A. Yes, it was.

Counsel: We ask that Ms. Noack's exhibit be marked for identification as exhibit_____(LSN-2).

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

A. We propose that Crist Units 4, 5, 6, and 7, Smith Units 1 and 2, and Daniel Units 1 and 2 be the Company's GPIF units. Crist Unit 5 has been added to the other seven GPIF units. The projected net generation from these units, which represent all of Gulf's qualifying base and intermediate load units for GPIF, is 79% of the projected total Gulf net generation for 2003. Combined-cycle unit Smith 3 came on-line in April of 2002 and will be considered for inclusion in the GPIF after it has been in commercial operation for at least one year as described in the GPIF implementation manual for Gulf.

Q. What are the target heat rates Gulf proposes to use in the GPIF for these units for the performance period January 1, 2003 through December 31, 2003?

A. I would like to refer you to Page 43 of Schedule 1 of my exhibit_____(LSN-2) where these targets are listed.

Q. How were these proposed target heat rates determined?

A. They were determined according to the GPIF implementation manual procedures for Gulf.

Q. Describe how the targets were determined for Gulf's proposed GPIF units.

A. Page 2 of Schedule 1 of exhibit_____(LSN-2) shows the target average net operating heat rate equations for the proposed GPIF units, and pages 4 through 39 of Schedule 1 contain the weekly historical data used for the statistical development of these equations. Pages 40 through 42 of Schedule 1 present the calculations that provide the unit target heat rates from the target equations.

Q. Were the maximum and minimum attainable heat rates for each proposed GPIF unit, indicated on page 43 of Schedule 1 of exhibit_____(LSN-2), calculated according to the appropriate GPIF implementation manual procedures?

A. Yes.

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

A. The target, maximum, and minimum equivalent availabilities are listed on page 4 of Schedule 2 of

exhibit_____(LSN-2).

Q. How are the target equivalent availabilities determined?

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

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

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

Q. Ms. Noack, has Gulf completed the GPIF minimum filing requirements data package?

A. Yes, we have completed the minimum filing requirements data package. Schedule 3 of my exhibit_____(LSN-2) contains this information.

Q. Ms. Noack, would you please summarize your testimony?

A. Yes. Gulf asks that the Commission accept:

1. Crist Units 4, 5, 6 and 7, Smith Units 1 and 2, and Daniel Units 1 and 2 for inclusion under the GPIF for the period of January 1, 2003 through December 31, 2003.

2. The target, maximum attainable, and minimum attainable average net operating heat rates, as proposed by the Company and as shown on page 43 of Schedule 1 and also page 5 of Schedule 3 of my exhibit_____(LSN-2).

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

4. The weekly average net operating heat rate least squares regression equations, shown on page 2 of Schedule 1 and also pages 20 through 35 of Schedule 3 of my exhibit_____(LSN-2), for use in adjusting the annual actual unit heat rates to target conditions.

Q. Ms. Noack, does this conclude your testimony?

A. Yes.

Florida Public Service Commission
Docket No. 020001-EI
Gulf Power Company
Witness: L. S. Noack
Exhibit No.___(LSN-2)

EXHIBIT TO THE TESTIMONY OF

L. S. NOACK

IN FPSC DOCKET 020001-EI

I. DETERMINATION OF HEAT RATE TARGETS

Target Heat Rate Equations

Crist 4 ANOHR = 10^6 / AKW * (790 16 + 9.96 * MAR + 18.89 * AUG)

- 14470 + 0.18768 * LSRF / AKW

Crist 5 ANOHR = 10^6 / AKW * (134 06 + 15.92 * JUN + 12.53 * AUG - 17.36 * OCT)

+ 8,376

Crist 6 ANOHR = 10^6 / AKW * (942.11 + 38.69 * JUN + 43.57 * JUL + 47 19 * AUG)

+ 2,167 + 0.01677 * LSRF / AKW

Crist 7 ANOHR = 10^6 / AKW * (364.26 - 208 93 * MAR - 56.05 * MAY + 122 15 * JUL + 75.82 * AUG + 68.14 * SEP + 45 83 * OCT)

+ 9,350

Smith 1 ANOHR = 10^6 / AKW * (-6.55 - 12.65 * JAN - 14.68 * FEB + 9.56 * JUN - 10.32 * SEP - 14.06 * NOV)

+ 10,971 - 0.00543 * LSRF / AKW

Smith 2 ANOHR = 10^6 / AKW * (261.83 - 36.53 * JAN - 44.18 * FEB - 58.60 * MAR - 21.11 * APR - 15.99 * MAY + 15.64 * JUL)

+ 6,772 + 0.01037 * LSRF / AKW

Daniel 1 ANOHR = 10^6 / AKW * (-931.04 + 183 89 * JUL + 122.54 * AUG + 110.76 * SEP + 89.14 * NOV)

+ 18,532 - 0.01364 * LSRF / AKW

Daniel 2 ANOHR = 10^6 / AKW * (187.07 - 118.14 * JAN - 94.43 * FEB - 73.36 * SEP - 78.52 * NOV)

+ 12,178 - 0.00543 * LSRF / AKW

Where:

ANOHR = Average Net Operating Heat Rate, BTU/KWH
AKW = Average Kilowatt Load, KW
LSRF = Load Square Range Factor, KW^2
BTU/LB = Coal Burned Average Heat Content, BTU/LB
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 4 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10903	167	59.0	3758	0	0	0	0	0	0	1	0	0	0	0	0	1999
10935	168	57.0	3458	0	0	0	0	0	0	1	0	0	0	0	0	1999
10975	168	61.0	3945	0	0	0	0	0	0	1	0	0	0	0	0	1999
10938	168	65.6	4524	0	0	0	0	0	0	1	0	0	0	0	0	1999
11508	168	66.1	4586	0	0	0	0	0	0	0	1	0	0	0	0	1999
11614	130	63.3	4263	0	0	0	0	0	0	0	1	0	0	0	1	1999
10773	168	66.8	4681	0	0	0	0	0	0	0	1	0	0	0	0	1999
11141	168	60.7	3980	0	0	0	0	0	0	0	1	0	0	0	0	1999
11982	159	54.7	3312	0	0	0	0	0	0	0	1	0	0	0	0	1999
10970	168	60.3	3897	0	0	0	0	0	0	0	0	1	0	0	0	1999
10892	168	60.0	3867	0	0	0	0	0	0	0	0	1	0	0	0	1999
10657	168	56.8	3473	0	0	0	0	0	0	0	0	1	0	0	0	1999
10569	168	60.9	3941	0	0	0	0	0	0	0	0	1	0	0	0	1999
10617	168	57.3	3533	0	0	0	0	0	0	0	0	0	1	0	0	1999
10576	168	66.6	4681	0	0	0	0	0	0	0	0	0	1	0	0	1999
10711	168	64.6	4433	0	0	0	0	0	0	0	0	0	1	0	0	1999
10929	159	59.0	3758	0	0	0	0	0	0	0	0	0	1	0	0	1999
10597	169	68.4	4968	0	0	0	0	0	0	0	0	0	1	0	0	1999
10053	49	74.4	5642	0	0	0	0	0	0	0	0	0	0	1	0	1999
* 8889	56	46.3	2298	0	0	0	0	0	0	0	0	0	0	0	1	1999
9960	163	55.0	3216	0	0	0	0	0	0	0	0	0	0	0	1	1999
*12785	86	58.2	3663	0	0	0	0	0	0	0	0	0	0	0	1	1999
*13092	24	45.3	2054	0	0	0	0	0	0	0	0	0	0	0	0	1999
*10253	62	45.1	2102	1	0	0	0	0	0	0	0	0	0	0	1	2000
* 9870	127	52.9	2916	1	0	0	0	0	0	0	0	0	0	0	1	2000
10823	168	52.5	2895	1	0	0	0	0	0	0	0	0	0	0	0	2000
10667	168	62.2	4069	1	0	0	0	0	0	0	0	0	0	0	0	2000
10670	168	62.8	4090	0	1	0	0	0	0	0	0	0	0	0	0	2000
10622	168	65.1	4428	0	1	0	0	0	0	0	0	0	0	0	0	2000
10641	168	56.7	3379	0	1	0	0	0	0	0	0	0	0	0	0	2000
10558	168	63.0	4189	0	1	0	0	0	0	0	0	0	0	0	0	2000
10577	168	66.0	4571	0	1	0	0	0	0	0	0	0	0	0	0	2000
10566	168	66.1	4589	0	0	1	0	0	0	0	0	0	0	0	0	2000
10565	168	67.1	4698	0	0	1	0	0	0	0	0	0	0	0	0	2000
10654	168	67.2	4738	0	0	1	0	0	0	0	0	0	0	0	0	2000
10687	115	68.1	4838	0	0	1	0	0	0	0	0	0	0	0	1	2000
10546	167	65.8	4521	0	0	0	1	0	0	0	0	0	0	0	0	2000
10454	168	68.6	4863	0	0	0	1	0	0	0	0	0	0	0	0	2000
10418	168	66.8	4693	0	0	0	1	0	0	0	0	0	0	0	0	2000
10485	168	62.3	4086	0	0	0	1	0	0	0	0	0	0	0	0	2000
10305	168	64.0	4327	0	0	0	0	1	0	0	0	0	0	0	0	2000
10463	168	66.3	4600	0	0	0	0	1	0	0	0	0	0	0	0	2000
10365	168	66.6	4623	0	0	0	0	1	0	0	0	0	0	0	0	2000
10668	168	65.3	4469	0	0	0	0	1	0	0	0	0	0	0	0	2000
10834	168	59.8	3832	0	0	0	0	1	0	0	0	0	0	0	0	2000
10937	168	57.7	3574	0	0	0	0	0	1	0	0	0	0	0	0	2000
10983	168	58.6	3685	0	0	0	0	0	1	0	0	0	0	0	0	2000

Data Base for CRIST 4 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
11034	168	57.8	3578	0	0	0	0	0	1	0	0	0	0	0	0	2000
11153	168	56.2	3375	0	0	0	0	0	1	0	0	0	0	0	0	2000
10841	168	55.3	3270	0	0	0	0	0	0	1	0	0	0	0	0	2000
11096	168	64.3	4313	0	0	0	0	0	0	1	0	0	0	0	0	2000
11273	168	61.1	3941	0	0	0	0	0	0	1	0	0	0	0	0	2000
11174	168	52.8	3007	0	0	0	0	0	0	1	0	0	0	0	0	2000
11103	168	51.6	2831	0	0	0	0	0	0	0	1	0	0	0	0	2000
11101	168	56.2	3424	0	0	0	0	0	0	0	1	0	0	0	0	2000
11126	168	55.5	3331	0	0	0	0	0	0	0	1	0	0	0	0	2000
11059	168	57.5	3525	0	0	0	0	0	0	0	1	0	0	0	0	2000
11074	168	59.2	3741	0	0	0	0	0	0	0	1	0	0	0	0	2000
11020	168	53.0	3035	0	0	0	0	0	0	0	0	1	0	0	0	2000
10827	168	57.1	3474	0	0	0	0	0	0	0	0	1	0	0	0	2000
10732	168	54.4	3197	0	0	0	0	0	0	0	0	1	0	0	0	2000
12271	45	55.4	3614	0	0	0	0	0	0	0	0	0	0	1	1	2000
10462	168	70.5	5046	0	0	0	0	0	0	0	0	0	0	0	0	2000
10639	168	56.6	3361	0	0	0	0	0	0	0	0	0	0	0	0	2000
10265	168	64.4	4352	0	0	0	0	0	0	0	0	0	0	0	0	2000
*12730	24	57.0	3462	0	0	0	0	0	0	0	0	0	0	0	0	2000
10440	168	66.0	4500	1	0	0	0	0	0	0	0	0	0	0	0	2001
10440	143	64.2	4307	1	0	0	0	0	0	0	0	0	0	0	1	2001
10405	82	51.0	2738	1	0	0	0	0	0	0	0	0	0	0	0	2001
10730	118	51.9	2835	1	0	0	0	0	0	0	0	0	0	0	1	2001
10882	90	50.1	2626	0	1	0	0	0	0	0	0	0	0	0	1	2001
10339	168	61.7	4061	0	1	0	0	0	0	0	0	0	0	0	0	2001
10348	168	69.0	4893	0	1	0	0	0	0	0	0	0	0	0	0	2001
10338	168	73.6	5473	0	1	0	0	0	0	0	0	0	0	0	0	2001
10416	168	73.0	5408	0	0	1	0	0	0	0	0	0	0	0	0	2001
10285	168	73.3	5436	0	0	1	0	0	0	0	0	0	0	0	0	2001
10347	168	67.0	4650	0	0	1	0	0	0	0	0	0	0	0	0	2001
10372	168	68.9	4879	0	0	1	0	0	0	0	0	0	0	0	0	2001
10279	167	66.9	4574	0	0	1	0	0	0	0	0	0	0	0	0	2001
9943	168	70.1	5051	0	0	0	1	0	0	0	0	0	0	0	0	2001
9956	168	73.2	5441	0	0	0	1	0	0	0	0	0	0	0	0	2001
9966	168	76.5	5861	0	0	0	1	0	0	0	0	0	0	0	0	2001
10022	168	63.1	4175	0	0	0	1	0	0	0	0	0	0	0	0	2001
10174	168	67.7	4763	0	0	0	0	1	0	0	0	0	0	0	0	2001
10260	168	64.7	4373	0	0	0	0	1	0	0	0	0	0	0	0	2001
10413	168	57.4	3515	0	0	0	0	1	0	0	0	0	0	0	0	2001
10362	168	59.5	3710	0	0	0	0	1	0	0	0	0	0	0	0	2001
10603	168	56.1	3324	0	0	0	0	1	0	0	0	0	0	0	0	2001
10743	168	57.5	3547	0	0	0	0	0	1	0	0	0	0	0	0	2001
10565	168	64.4	4379	0	0	0	0	0	1	0	0	0	0	0	0	2001
10494	168	61.8	4079	0	0	0	0	0	1	0	0	0	0	0	0	2001
10721	144	56.6	3437	0	0	0	0	0	1	0	0	0	0	0	0	2001
10471	168	51.2	2751	0	0	0	0	0	0	1	0	0	0	0	0	2001
10392	168	58.3	3603	0	0	0	0	0	0	1	0	0	0	0	0	2001

Data Base for CRIST 4 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10585	168	58.8	3681	0	0	0	0	0	0	1	0	0	0	0	0	2001
10579	168	58.1	3591	0	0	0	0	0	0	1	0	0	0	0	0	2001
10251	168	65.7	4503	0	0	0	0	0	0	0	1	0	0	0	0	2001
10724	168	64.6	4351	0	0	0	0	0	0	0	1	0	0	0	0	2001
10625	168	65.3	4461	0	0	0	0	0	0	0	1	0	0	0	0	2001
10838	168	62.0	4093	0	0	0	0	0	0	0	1	0	0	0	0	2001
10965	168	59.2	3738	0	0	0	0	0	0	0	1	0	0	0	0	2001
10865	168	55.2	3274	0	0	0	0	0	0	0	0	1	0	0	0	2001
10726	168	54.6	3205	0	0	0	0	0	0	0	0	1	0	0	0	2001
10715	168	52.9	2984	0	0	0	0	0	0	0	0	1	0	0	0	2001
10812	167	53.2	3041	0	0	0	0	0	0	0	0	1	0	0	0	2001
* 9345	39	66.5	4682	0	0	0	0	0	0	0	0	0	1	0	1	2001
12170	104	53.5	3084	1	0	0	0	0	0	0	0	0	0	0	1	2002
*12101	47	63.3	4275	1	0	0	0	0	0	0	0	0	0	0	0	2002
12171	144	43.3	1982	0	1	0	0	0	0	0	0	0	0	0	1	2002
11446	158	45.9	2142	0	1	0	0	0	0	0	0	0	0	0	0	2002
11184	168	46.5	2217	0	1	0	0	0	0	0	0	0	0	0	0	2002
11293	168	52.0	2850	0	0	1	0	0	0	0	0	0	0	0	0	2002
11386	168	50.5	2669	0	0	1	0	0	0	0	0	0	0	0	0	2002
11355	168	48.6	2425	0	0	1	0	0	0	0	0	0	0	0	0	2002
11337	168	53.6	3027	0	0	1	0	0	0	0	0	0	0	0	0	2002
11192	168	52.8	2927	0	0	1	0	0	0	0	0	0	0	0	0	2002
11122	167	52.4	2903	0	0	0	1	0	0	0	0	0	0	0	0	2002
11422	168	49.9	2625	0	0	0	1	0	0	0	0	0	0	0	0	2002
11155	168	59.4	3755	0	0	0	1	0	0	0	0	0	0	0	0	2002
11282	168	55.6	3299	0	0	0	1	0	0	0	0	0	0	0	0	2002
11264	168	58.2	3633	0	0	0	0	1	0	0	0	0	0	0	0	2002
11296	168	60.8	3949	0	0	0	0	1	0	0	0	0	0	0	0	2002
11369	94	55.3	3305	0	0	0	0	1	0	0	0	0	0	0	0	2002
11392	87	56.6	3440	0	0	0	0	1	0	0	0	0	0	0	1	2002
11443	168	49.9	2662	0	0	0	0	1	0	0	0	0	0	0	0	2002
11730	168	48.1	2451	0	0	0	0	0	1	0	0	0	0	0	0	2002
11832	168	49.0	2557	0	0	0	0	0	1	0	0	0	0	0	0	2002
11737	168	49.1	2560	0	0	0	0	0	1	0	0	0	0	0	0	2002
11631	144	52.4	2934	0	0	0	0	0	1	0	0	0	0	0	0	2002

Data Base for CRIST 4 Target Heat Rate Equation

HR	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.
HOUR	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
JAN to NOV	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of unit start ups during the week after being shut down for 24 hours or more.
YEAR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for CRIST 5 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10878	168	58.5	3658	0	0	0	0	0	0	1	0	0	0	0	0	1999
10907	168	55.5	3284	0	0	0	0	0	0	1	0	0	0	0	0	1999
10776	144	59.9	3840	0	0	0	0	0	0	1	0	0	0	0	1	1999
11119	135	65.5	4563	0	0	0	0	0	0	1	0	0	0	0	1	1999
*12102	140	71.3	5261	0	0	0	0	0	0	0	1	0	0	0	0	1999
10768	164	65.7	4558	0	0	0	0	0	0	0	1	0	0	0	1	1999
10504	168	66.7	4668	0	0	0	0	0	0	0	1	0	0	0	0	1999
10501	99	66.2	4649	0	0	0	0	0	0	0	1	0	0	0	0	1999
*13503	21	42.6	2362	0	0	0	0	0	0	0	0	0	0	0	1	1999
10616	168	56.9	3442	0	0	0	0	0	0	0	0	0	0	0	0	1999
10983	86	54.0	3122	0	0	0	0	0	0	0	0	0	0	0	1	1999
10505	24	42.5	1804	0	0	0	0	0	0	0	0	0	0	0	0	1999
10833	59	56.5	3569	1	0	0	0	0	0	0	0	0	0	0	1	2000
11492	40	47.6	2672	1	0	0	0	0	0	0	0	0	0	0	1	2000
10596	88	67.2	4677	1	0	0	0	0	0	0	0	0	0	0	2	2000
10381	168	72.8	5319	1	0	0	0	0	0	0	0	0	0	0	0	2000
10247	168	74.0	5485	0	1	0	0	0	0	0	0	0	0	0	0	2000
10171	168	72.4	5260	0	1	0	0	0	0	0	0	0	0	0	0	2000
10086	168	70.0	4975	0	1	0	0	0	0	0	0	0	0	0	0	2000
9952	146	73.6	5530	0	1	0	0	0	0	0	0	0	0	0	0	2000
10006	168	75.6	5742	0	1	0	0	0	0	0	0	0	0	0	0	2000
10211	138	75.2	5713	0	0	1	0	0	0	0	0	0	0	0	0	2000
10160	166	75.0	5744	0	0	1	0	0	0	0	0	0	0	0	1	2000
10171	168	75.2	5696	0	0	1	0	0	0	0	0	0	0	0	0	2000
10284	168	77.0	5947	0	0	1	0	0	0	0	0	0	0	0	0	2000
10382	167	70.2	4966	0	0	0	1	0	0	0	0	0	0	0	0	2000
10298	168	70.3	4945	0	0	0	1	0	0	0	0	0	0	0	0	2000
10314	163	69.1	4801	0	0	0	1	0	0	0	0	0	0	0	0	2000
10358	138	73.3	5467	0	0	0	1	0	0	0	0	0	0	0	1	2000
10006	168	75.1	5670	0	0	0	0	1	0	0	0	0	0	0	0	2000
10214	168	74.2	5558	0	0	0	0	1	0	0	0	0	0	0	0	2000
10201	168	74.2	5561	0	0	0	0	1	0	0	0	0	0	0	0	2000
10325	168	73.8	5514	0	0	0	0	1	0	0	0	0	0	0	0	2000
10546	168	67.7	4761	0	0	0	0	1	0	0	0	0	0	0	0	2000
10679	139	65.8	4544	0	0	0	0	0	1	0	0	0	0	0	1	2000
10526	168	71.8	5238	0	0	0	0	0	1	0	0	0	0	0	0	2000
10582	168	68.9	4879	0	0	0	0	0	1	0	0	0	0	0	0	2000
10722	168	67.9	4769	0	0	0	0	0	1	0	0	0	0	0	0	2000
10502	168	64.9	4413	0	0	0	0	0	0	1	0	0	0	0	0	2000
10772	168	72.0	5255	0	0	0	0	0	0	1	0	0	0	0	0	2000
10863	168	71.2	5159	0	0	0	0	0	0	1	0	0	0	0	0	2000
10764	168	63.9	4301	0	0	0	0	0	0	1	0	0	0	0	0	2000
10637	168	66.4	4568	0	0	0	0	0	0	0	1	0	0	0	0	2000
10647	168	68.2	4785	0	0	0	0	0	0	0	1	0	0	0	0	2000
10683	168	66.6	4599	0	0	0	0	0	0	0	1	0	0	0	0	2000
10697	168	67.7	4712	0	0	0	0	0	0	0	1	0	0	0	0	2000
10785	168	70.1	4998	0	0	0	0	0	0	0	1	0	0	0	0	2000

Data Base for CRIST 5 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10679	168	64.3	4297	0	0	0	0	0	0	0	0	1	0	0	0	2000
10562	168	66.2	4558	0	0	0	0	0	0	0	0	1	0	0	0	2000
10399	168	65.9	4516	0	0	0	0	0	0	0	0	1	0	0	0	2000
10354	168	66.8	4597	0	0	0	0	0	0	0	0	1	0	0	0	2000
10033	168	64.8	4334	0	0	0	0	0	0	0	0	0	1	0	0	2000
10375	168	64.5	4331	0	0	0	0	0	0	0	0	0	1	0	0	2000
9817	168	71.6	5240	0	0	0	0	0	0	0	0	0	1	0	0	2000
10377	168	68.5	4869	0	0	0	0	0	0	0	0	0	1	0	0	2000
10304	169	68.0	4799	0	0	0	0	0	0	0	0	0	1	0	0	2000
10251	168	67.2	4679	0	0	0	0	0	0	0	0	0	0	1	0	2000
10298	168	73.6	5492	0	0	0	0	0	0	0	0	0	0	1	0	2000
10199	168	75.5	5760	0	0	0	0	0	0	0	0	0	0	1	0	2000
10119	168	70.8	5092	0	0	0	0	0	0	0	0	0	0	1	0	2000
* 8947	1	33.0	1089	0	0	0	0	0	0	0	0	0	0	0	0	2000
*11621	9	40.6	1767	0	0	0	0	0	0	0	0	0	0	0	1	2000
10296	168	71.9	5288	0	0	0	0	0	0	0	0	0	0	0	0	2000
10340	168	60.3	3771	0	0	0	0	0	0	0	0	0	0	0	0	2000
10187	24	77.5	6000	0	0	0	0	0	0	0	0	0	0	0	0	2000
10256	168	67.9	4773	1	0	0	0	0	0	0	0	0	0	0	0	2001
10096	132	66.8	4617	1	0	0	0	0	0	0	0	0	0	0	0	2001
10446	120	51.6	2788	1	0	0	0	0	0	0	0	0	0	0	1	2001
10265	69	71.0	5255	0	1	0	0	0	0	0	0	0	0	0	1	2001
10135	168	70.7	5143	0	1	0	0	0	0	0	0	0	0	0	0	2001
10011	168	73.5	5468	0	1	0	0	0	0	0	0	0	0	0	0	2001
10101	168	72.0	5302	0	0	1	0	0	0	0	0	0	0	0	0	2001
10198	168	71.6	5242	0	0	1	0	0	0	0	0	0	0	0	0	2001
10171	168	65.9	4511	0	0	1	0	0	0	0	0	0	0	0	0	2001
10176	168	69.3	4933	0	0	1	0	0	0	0	0	0	0	0	0	2001
10170	167	66.8	4575	0	0	1	0	0	0	0	0	0	0	0	0	2001
9873	168	69.6	4993	0	0	0	1	0	0	0	0	0	0	0	0	2001
9883	168	72.0	5288	0	0	0	1	0	0	0	0	0	0	0	0	2001
9933	168	74.9	5674	0	0	0	1	0	0	0	0	0	0	0	0	2001
10003	168	63.4	4218	0	0	0	1	0	0	0	0	0	0	0	0	2001
10034	168	67.9	4785	0	0	0	0	1	0	0	0	0	0	0	0	2001
10096	168	64.5	4355	0	0	0	0	1	0	0	0	0	0	0	0	2001
10205	143	57.5	3526	0	0	0	0	1	0	0	0	0	0	0	0	2001
10579	136	54.4	3174	0	0	0	0	1	0	0	0	0	0	0	1	2001
10473	168	57.1	3509	0	0	0	0	0	1	0	0	0	0	0	0	2001
11095	95	57.3	3543	0	0	0	0	0	1	0	0	0	0	0	1	2001
10235	115	61.3	4048	0	0	0	0	0	1	0	0	0	0	0	0	2001
10690	140	56.1	3407	0	0	0	0	0	1	0	0	0	0	0	1	2001
10473	168	50.9	2719	0	0	0	0	0	0	1	0	0	0	0	0	2001
10313	168	58.3	3616	0	0	0	0	0	0	1	0	0	0	0	0	2001
10406	168	59.1	3720	0	0	0	0	0	0	1	0	0	0	0	0	2001
10210	168	58.3	3618	0	0	0	0	0	0	1	0	0	0	0	0	2001
10150	168	65.8	4537	0	0	0	0	0	0	0	1	0	0	0	0	2001
10601	168	64.4	4342	0	0	0	0	0	0	0	1	0	0	0	0	2001

Data Base for CRIST 5 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10553	168	65.7	4519	0	0	0	0	0	0	0	1	0	0	0	0	2001
10518	168	61.8	4081	0	0	0	0	0	0	0	1	0	0	0	0	2001
10832	168	60.2	3837	0	0	0	0	0	0	0	1	0	0	0	0	2001
10618	168	56.9	3481	0	0	0	0	0	0	0	0	1	0	0	0	2001
10622	166	56.2	3391	0	0	0	0	0	0	0	0	1	0	0	0	2001
10443	168	55.2	3252	0	0	0	0	0	0	0	0	1	0	0	0	2001
10617	168	54.6	3203	0	0	0	0	0	0	0	0	1	0	0	0	2001
10426	168	51.8	2856	0	0	0	0	0	0	0	0	0	1	0	0	2001
10409	168	54.9	3192	0	0	0	0	0	0	0	0	0	1	0	0	2001
10420	46	53.7	3107	0	0	0	0	0	0	0	0	0	1	0	0	2001
10505	38	58.9	3877	0	0	0	0	0	0	0	0	0	1	0	1	2001
13359	24	34.6	1586	0	1	0	0	0	0	0	0	0	0	0	1	2002
11055	168	53.1	3064	0	1	0	0	0	0	0	0	0	0	0	0	2002
11005	23	48.0	2442	0	1	0	0	0	0	0	0	0	0	0	0	2002
11614	118	50.3	2785	0	0	1	0	0	0	0	0	0	0	0	2	2002
11250	168	52.0	2838	0	0	1	0	0	0	0	0	0	0	0	0	2002
11202	168	51.2	2696	0	0	1	0	0	0	0	0	0	0	0	0	2002
11332	166	55.5	3283	0	0	1	0	0	0	0	0	0	0	0	0	2002
11163	168	55.8	3259	0	0	1	0	0	0	0	0	0	0	0	0	2002
10918	167	56.9	3386	0	0	0	1	0	0	0	0	0	0	0	0	2002
10829	168	58.5	3586	0	0	0	1	0	0	0	0	0	0	0	0	2002
10888	168	61.4	3969	0	0	0	1	0	0	0	0	0	0	0	0	2002
10941	168	59.0	3657	0	0	0	1	0	0	0	0	0	0	0	0	2002
11090	168	59.1	3672	0	0	0	0	1	0	0	0	0	0	0	0	2002
11050	168	63.2	4206	0	0	0	0	1	0	0	0	0	0	0	0	2002
11057	96	57.5	3536	0	0	0	0	1	0	0	0	0	0	0	0	2002
11497	85	55.2	3294	0	0	0	0	1	0	0	0	0	0	0	1	2002
11231	168	52.6	2915	0	0	0	0	1	0	0	0	0	0	0	0	2002
11511	168	51.6	2785	0	0	0	0	0	1	0	0	0	0	0	0	2002
11536	168	53.5	3043	0	0	0	0	0	1	0	0	0	0	0	0	2002
11589	168	52.4	2910	0	0	0	0	0	1	0	0	0	0	0	0	2002
11541	144	54.9	3220	0	0	0	0	0	1	0	0	0	0	0	0	2002

Data Base for CRIST 5 Target Heat Rate Equation

HR	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.
HOUR	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
JAN to NOV	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of unit start ups during the week after being shut down for 24 hours or more.
YEAR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for CRIST 6 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10632	168	234.4	60956	0	0	0	0	0	0	1	0	0	0	0	0	1999
10761	168	223.6	56906	0	0	0	0	0	0	1	0	0	0	0	0	1999
10682	168	229.9	60010	0	0	0	0	0	0	1	0	0	0	0	0	1999
10608	168	299.6	24229	0	0	0	0	0	0	1	0	0	0	0	0	1999
10595	168	300.5	24774	0	0	0	0	0	0	0	1	0	0	0	0	1999
10195	168	297.1	23389	0	0	0	0	0	0	0	1	0	0	0	0	1999
10331	165	295.3	22823	0	0	0	0	0	0	0	1	0	0	0	0	1999
10244	168	301.3	25241	0	0	0	0	0	0	0	1	0	0	0	0	1999
10300	168	300.6	24833	0	0	0	0	0	0	0	1	0	0	0	0	1999
10725	109	220.4	57526	0	0	0	0	0	0	0	0	1	0	0	1	1999
10518	168	229.2	58953	0	0	0	0	0	0	0	0	1	0	0	0	1999
10578	168	207.2	48684	0	0	0	0	0	0	0	0	1	0	0	0	1999
10470	168	238.1	61962	0	0	0	0	0	0	0	0	1	0	0	0	1999
10866	168	174.4	37683	0	0	0	0	0	0	0	0	0	1	0	0	1999
10621	168	245.8	246	0	0	0	0	0	0	0	0	0	1	0	0	1999
10666	168	248.1	1271	0	0	0	0	0	0	0	0	0	1	0	0	1999
10498	168	234.3	60546	0	0	0	0	0	0	0	0	0	1	0	0	1999
10374	169	255.6	4438	0	0	0	0	0	0	0	0	0	1	0	0	1999
10275	168	259.9	5830	0	0	0	0	0	0	0	0	0	0	1	0	1999
10497	168	224.6	56148	0	0	0	0	0	0	0	0	0	0	1	0	1999
10382	98	240.4	64364	0	0	0	0	0	0	0	0	0	0	1	1	1999
10486	168	195.1	44377	0	0	0	0	0	0	0	0	0	0	1	0	1999
9870	168	265.6	8688	0	0	0	0	0	0	0	0	0	0	0	0	1999
10021	168	246.7	2174	0	0	0	0	0	0	0	0	0	0	0	0	1999
10237	168	199.3	45227	0	0	0	0	0	0	0	0	0	0	0	0	1999
10422	168	203.6	46342	0	0	0	0	0	0	0	0	0	0	0	0	1999
10708	24	145.9	22684	0	0	0	0	0	0	0	0	0	0	0	0	1999
10565	168	174.9	35116	1	0	0	0	0	0	0	0	0	0	0	0	2000
10308	168	244.7	64249	1	0	0	0	0	0	0	0	0	0	0	0	2000
10093	14	259.7	9147	1	0	0	0	0	0	0	0	0	0	0	0	2000
11163	127	194.7	43622	0	1	0	0	0	0	0	0	0	0	0	2	2000
10272	168	259.0	4741	0	1	0	0	0	0	0	0	0	0	0	0	2000
10311	168	196.8	47017	0	0	1	0	0	0	0	0	0	0	0	0	2000
10073	168	263.7	7450	0	0	1	0	0	0	0	0	0	0	0	0	2000
10035	168	258.7	5482	0	0	1	0	0	0	0	0	0	0	0	0	2000
10422	168	161.3	27975	0	0	1	0	0	0	0	0	0	0	0	0	2000
10150	167	282.5	16680	0	0	0	1	0	0	0	0	0	0	0	0	2000
10487	122	224.5	56109	0	0	0	1	0	0	0	0	0	0	0	1	2000
10215	168	260.1	5799	0	0	0	1	0	0	0	0	0	0	0	0	2000
10136	168	257.6	4800	0	0	0	1	0	0	0	0	0	0	0	0	2000
10256	168	254.7	3068	0	0	0	0	1	0	0	0	0	0	0	0	2000
10654	119	229.4	60866	0	0	0	0	1	0	0	0	0	0	0	1	2000
10429	168	255.1	4903	0	0	0	0	1	0	0	0	0	0	0	0	2000
10534	168	249.6	1339	0	0	0	0	1	0	0	0	0	0	0	0	2000
10572	168	237.3	61960	0	0	0	0	1	0	0	0	0	0	0	0	2000
10750	118	202.6	47617	0	0	0	0	0	1	0	0	0	0	0	0	2000
10522	118	248.5	415	0	0	0	0	0	1	0	0	0	0	0	1	2000

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
10672	168	219.1	54451	0	0	0	0	0	1	0	0	0	0	0	0	2000
10521	168	241.8	63906	0	0	0	0	0	1	0	0	0	0	0	0	2000
10485	168	211.0	51070	0	0	0	0	0	0	1	0	0	0	0	0	2000
10565	168	280.8	15208	0	0	0	0	0	0	1	0	0	0	0	0	2000
10611	168	252.8	3624	0	0	0	0	0	0	1	0	0	0	0	0	2000
10668	168	235.8	61723	0	0	0	0	0	0	1	0	0	0	0	0	2000
10623	168	227.5	57701	0	0	0	0	0	0	0	1	0	0	0	0	2000
10538	168	250.0	2051	0	0	0	0	0	0	0	1	0	0	0	0	2000
10679	168	233.9	61200	0	0	0	0	0	0	0	1	0	0	0	0	2000
10605	168	248.8	1943	0	0	0	0	0	0	0	1	0	0	0	0	2000
10697	168	249.4	2022	0	0	0	0	0	0	0	1	0	0	0	0	2000
10747	168	214.3	51845	0	0	0	0	0	0	0	0	1	0	0	0	2000
10997	131	235.8	61505	0	0	0	0	0	0	0	0	1	0	0	1	2000
11444	74	146.0	26635	0	0	0	0	0	0	0	0	1	0	0	1	2000
10880	168	199.4	45140	0	0	0	0	0	0	0	0	1	0	0	0	2000
9891	168	208.2	49192	0	0	0	0	0	0	0	0	0	1	0	0	2000
11127	168	192.7	41069	0	0	0	0	0	0	0	0	0	1	0	0	2000
11039	140	204.9	49527	0	0	0	0	0	0	0	0	0	1	0	1	2000
10803	168	248.9	1752	0	0	0	0	0	0	0	0	0	1	0	0	2000
11136	143	231.4	60640	0	0	0	0	0	0	0	0	0	1	0	1	2000
11000	168	255.8	4710	0	0	0	0	0	0	0	0	0	0	1	0	2000
10520	21	283.3	16815	0	0	0	0	0	0	0	0	0	0	1	0	2000
11290	106	172.4	32972	0	0	0	0	0	0	0	0	0	0	0	1	2000
10669	145	265.2	9296	0	0	0	0	0	0	0	0	0	0	0	0	2000
10294	168	282.4	16106	0	0	0	0	0	0	0	0	0	0	0	0	2000
10950	86	200.2	47802	0	0	0	0	0	0	0	0	0	0	0	1	2000
10404	24	283.7	15342	0	0	0	0	0	0	0	0	0	0	0	0	2000
10421	168	279.7	14308	1	0	0	0	0	0	0	0	0	0	0	0	2001
10375	147	278.6	14905	1	0	0	0	0	0	0	0	0	0	0	0	2001
11365	133	182.4	39770	1	0	0	0	0	0	0	0	0	0	0	1	2001
10839	168	193.7	44148	1	0	0	0	0	0	0	0	0	0	0	0	2001
10980	99	208.3	50570	0	1	0	0	0	0	0	0	0	0	0	1	2001
10561	168	280.5	14378	0	1	0	0	0	0	0	0	0	0	0	0	2001
10612	168	275.6	13630	0	1	0	0	0	0	0	0	0	0	0	0	2001
10496	119	288.6	19299	0	1	0	0	0	0	0	0	0	0	0	0	2001
10985	144	262.7	7859	0	0	1	0	0	0	0	0	0	0	0	1	2001
10870	168	286.8	18155	0	0	1	0	0	0	0	0	0	0	0	0	2001
11177	168	256.3	3420	0	0	1	0	0	0	0	0	0	0	0	0	2001
10687	168	243.7	65011	0	0	1	0	0	0	0	0	0	0	0	0	2001
10719	122	276.4	13578	0	0	1	0	0	0	0	0	0	0	0	0	2001
13272	88	128.8	22929	0	0	0	0	1	0	0	0	0	0	0	1	2001
10764	159	224.2	56291	0	0	0	0	1	0	0	0	0	0	0	0	2001
11574	72	131.0	17426	0	0	0	0	1	0	0	0	0	0	0	1	2001
11961	83	128.3	16682	0	0	0	0	1	0	0	0	0	0	0	1	2001
11061	168	192.5	43304	0	0	0	0	0	1	0	0	0	0	0	0	2001
11006	168	225.5	57031	0	0	0	0	0	1	0	0	0	0	0	0	2001
11046	168	229.4	59143	0	0	0	0	0	1	0	0	0	0	0	0	2001

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
11036	144	201.4	46708	0	0	0	0	0	1	0	0	0	0	0	0	2001
11034	168	179.7	36387	0	0	0	0	0	0	1	0	0	0	0	0	2001
10941	168	216.2	52184	0	0	0	0	0	0	1	0	0	0	0	0	2001
11082	168	214.7	51899	0	0	0	0	0	0	1	0	0	0	0	0	2001
11046	168	208.1	48669	0	0	0	0	0	0	1	0	0	0	0	0	2001
10780	168	239.4	62416	0	0	0	0	0	0	0	1	0	0	0	0	2001
10382	168	233.6	59282	0	0	0	0	0	0	0	1	0	0	0	0	2001
11369	168	243.9	64531	0	0	0	0	0	0	0	1	0	0	0	0	2001
11347	168	228.1	58131	0	0	0	0	0	0	0	1	0	0	0	0	2001
11260	168	222.3	55007	0	0	0	0	0	0	0	1	0	0	0	0	2001
10900	168	199.6	45497	0	0	0	0	0	0	0	0	1	0	0	0	2001
10434	168	191.9	42096	0	0	0	0	0	0	0	0	1	0	0	0	2001
*12358	168	186.0	39395	0	0	0	0	0	0	0	0	1	0	0	0	2001
11146	146	158.7	28544	0	0	0	0	0	0	0	0	1	0	0	0	2001
11167	168	160.7	28258	0	0	0	0	0	0	0	0	0	1	0	0	2001
11212	168	166.9	31106	0	0	0	0	0	0	0	0	0	1	0	0	2001
11276	168	152.1	25988	0	0	0	0	0	0	0	0	0	1	0	0	2001
10702	168	209.7	50015	0	0	0	0	0	0	0	0	0	1	0	0	2001
11684	169	145.6	22617	0	0	0	0	0	0	0	0	0	1	0	0	2001
11878	168	130.3	17165	0	0	0	0	0	0	0	0	0	0	1	0	2001
10602	168	166.9	31381	0	0	0	0	0	0	0	0	0	0	1	0	2001
11680	168	133.9	18904	0	0	0	0	0	0	0	0	0	0	1	0	2001
11186	168	162.9	30917	0	0	0	0	0	0	0	0	0	0	1	0	2001
11264	168	135.3	18786	0	0	0	0	0	0	0	0	0	0	0	0	2001
11077	168	148.6	24595	0	0	0	0	0	0	0	0	0	0	0	0	2001
11493	168	147.4	24482	0	0	0	0	0	0	0	0	0	0	0	0	2001
11180	168	142.3	22065	0	0	0	0	0	0	0	0	0	0	0	0	2001
11230	24	127.9	16364	0	0	0	0	0	0	0	0	0	0	0	0	2001
11108	168	202.5	46070	1	0	0	0	0	0	0	0	0	0	0	0	2002
11306	168	168.3	32082	1	0	0	0	0	0	0	0	0	0	0	0	2002
11335	168	159.4	28927	1	0	0	0	0	0	0	0	0	0	0	0	2002
11937	168	133.1	18333	1	0	0	0	0	0	0	0	0	0	0	0	2002
11419	159	163.3	30770	0	1	0	0	0	0	0	0	0	0	0	0	2002
11044	96	179.4	36812	0	1	0	0	0	0	0	0	0	0	0	0	2002
23013	16	67.1	6230	0	0	0	1	0	0	0	0	0	0	0	1	2002
11428	145	179.1	40163	0	0	0	1	0	0	0	0	0	0	0	0	2002
10561	168	236.2	60970	0	0	0	1	0	0	0	0	0	0	0	0	2002
10540	168	201.9	46346	0	0	0	1	0	0	0	0	0	0	0	0	2002
10491	99	204.5	47661	0	0	0	0	1	0	0	0	0	0	0	0	2002
10896	105	198.8	46019	0	0	0	0	1	0	0	0	0	0	0	1	2002
10622	168	191.1	41090	0	0	0	0	1	0	0	0	0	0	0	0	2002
10731	152	188.8	41134	0	0	0	0	1	0	0	0	0	0	0	0	2002
11072	168	163.6	30277	0	0	0	0	1	0	0	0	0	0	0	0	2002
11149	168	166.2	30550	0	0	0	0	0	1	0	0	0	0	0	0	2002
11228	168	164.5	30075	0	0	0	0	0	1	0	0	0	0	0	0	2002
10958	168	197.9	43593	0	0	0	0	0	1	0	0	0	0	0	0	2002
11157	89	191.3	43113	0	0	0	0	0	1	0	0	0	0	0	1	2002

Data Base for CRIST 6 Target Heat Rate Equation

HR	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.
HOUR	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
JAN to NOV	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of unit start ups during the week after being shut down for 24 hours or more.
YEAR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for CRIST 7 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10394	168	448.4	7089	0	0	0	0	0	0	1	0	0	0	0	0	1999
10515	168	449.6	8626	0	0	0	0	0	0	1	0	0	0	0	0	1999
10459	168	446.6	6130	0	0	0	0	0	0	1	0	0	0	0	0	1999
10216	168	429.2	60356	0	0	0	0	0	0	1	0	0	0	0	0	1999
10481	127	420.2	55254	0	0	0	0	0	0	0	1	0	0	0	1	1999
10240	168	451.2	8570	0	0	0	0	0	0	0	1	0	0	0	0	1999
10200	168	467.0	21464	0	0	0	0	0	0	0	1	0	0	0	0	1999
10184	152	456.6	13113	0	0	0	0	0	0	0	1	0	0	0	0	1999
10511	122	404.8	43821	0	0	0	0	0	0	0	1	0	0	0	1	1999
10236	168	447.8	6368	0	0	0	0	0	0	0	0	1	0	0	0	1999
10251	168	433.0	61052	0	0	0	0	0	0	0	0	1	0	0	0	1999
10298	168	396.0	35716	0	0	0	0	0	0	0	0	1	0	0	0	1999
10283	168	423.5	55648	0	0	0	0	0	0	0	0	1	0	0	0	1999
10379	168	423.9	54267	0	0	0	0	0	0	0	0	0	1	0	0	1999
10498	168	434.9	61924	0	0	0	0	0	0	0	0	0	1	0	0	1999
10664	112	380.3	26982	0	0	0	0	0	0	0	0	0	1	0	1	1999
10335	168	412.5	46176	0	0	0	0	0	0	0	0	0	1	0	0	1999
10201	153	432.7	60399	0	0	0	0	0	0	0	0	0	1	0	0	1999
10083	168	440.9	603	0	0	0	0	0	0	0	0	0	0	1	0	1999
10318	168	421.9	53155	0	0	0	0	0	0	0	0	0	0	1	0	1999
10180	168	425.1	57080	0	0	0	0	0	0	0	0	0	0	1	0	1999
10200	168	379.0	20609	0	0	0	0	0	0	0	0	0	0	1	0	1999
10118	167	437.7	1136	0	0	0	0	0	0	0	0	0	0	0	0	1999
10390	114	414.0	49548	0	0	0	0	0	0	0	0	0	0	0	1	1999
10236	168	444.7	3263	0	0	0	0	0	0	0	0	0	0	0	0	1999
10120	107	386.2	27487	0	0	0	0	0	0	0	0	0	0	0	1	1999
10183	24	347.4	65354	0	0	0	0	0	0	0	0	0	0	0	0	1999
9948	168	381.4	24757	1	0	0	0	0	0	0	0	0	0	0	0	2000
10124	54	370.5	22500	1	0	0	0	0	0	0	0	0	0	0	1	2000
10142	168	422.1	55478	1	0	0	0	0	0	0	0	0	0	0	1	2000
9872	150	452.0	9740	1	0	0	0	0	0	0	0	0	0	0	0	2000
10111	152	455.2	13789	0	1	0	0	0	0	0	0	0	0	0	1	2000
10112	132	444.5	6854	0	1	0	0	0	0	0	0	0	0	0	1	2000
10250	168	439.3	65018	0	1	0	0	0	0	0	0	0	0	0	0	2000
10509	34	357.8	4382	0	1	0	0	0	0	0	0	0	0	0	0	2000
10006	82	380.2	29499	0	0	0	1	0	0	0	0	0	0	0	1	2000
9976	168	467.2	22875	0	0	0	1	0	0	0	0	0	0	0	0	2000
9745	147	439.5	3872	0	0	0	0	1	0	0	0	0	0	0	0	2000
9770	168	465.4	21217	0	0	0	0	1	0	0	0	0	0	0	0	2000
9863	112	434.7	65372	0	0	0	0	1	0	0	0	0	0	0	1	2000
9873	168	468.6	23623	0	0	0	0	1	0	0	0	0	0	0	0	2000
10150	117	415.0	49936	0	0	0	0	1	0	0	0	0	0	0	1	2000
10082	168	421.8	54001	0	0	0	0	0	1	0	0	0	0	0	0	2000
10229	168	443.1	4320	0	0	0	0	0	1	0	0	0	0	0	0	2000
10306	168	431.4	60249	0	0	0	0	0	1	0	0	0	0	0	0	2000
10324	168	427.2	58475	0	0	0	0	0	1	0	0	0	0	0	0	2000
10354	168	385.4	29837	0	0	0	0	0	0	1	0	0	0	0	0	2000

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
10709	129	444.0	7806	0	0	0	0	0	0	1	0	0	0	0	1	2000
10662	145	453.3	13602	0	0	0	0	0	0	1	0	0	0	0	0	2000
10541	168	417.3	53347	0	0	0	0	0	0	1	0	0	0	0	0	2000
10368	168	423.4	55245	0	0	0	0	0	0	0	1	0	0	0	0	2000
10336	134	424.1	56216	0	0	0	0	0	0	0	1	0	0	0	1	2000
10414	168	425.9	57782	0	0	0	0	0	0	0	1	0	0	0	0	2000
10373	168	448.3	7636	0	0	0	0	0	0	0	1	0	0	0	0	2000
10483	168	438.3	65261	0	0	0	0	0	0	0	1	0	0	0	0	2000
10412	168	421.9	54666	0	0	0	0	0	0	0	0	1	0	0	0	2000
10789	168	432.6	60523	0	0	0	0	0	0	0	0	1	0	0	0	2000
10360	164	399.2	39589	0	0	0	0	0	0	0	0	1	0	0	0	2000
10398	168	409.3	45590	0	0	0	0	0	0	0	0	1	0	0	0	2000
9522	168	386.9	31831	0	0	0	0	0	0	0	0	0	1	0	0	2000
10801	155	378.7	25697	0	0	0	0	0	0	0	0	0	1	0	0	2000
10721	161	305.7	42809	0	0	0	0	0	0	0	0	0	1	0	0	2000
10610	118	407.1	46399	0	0	0	0	0	0	0	0	0	1	0	1	2000
10525	169	410.2	48065	0	0	0	0	0	0	0	0	0	1	0	0	2000
10531	119	384.8	28794	0	0	0	0	0	0	0	0	0	0	1	0	2000
10357	161	441.5	4501	0	0	0	0	0	0	0	0	0	0	1	1	2000
10407	168	455.3	14647	0	0	0	0	0	0	0	0	0	0	1	0	2000
10452	149	435.5	1050	0	0	0	0	0	0	0	0	0	0	1	0	2000
10025	168	477.9	31815	0	0	0	0	0	0	0	0	0	0	0	0	2000
10114	139	440.3	4058	0	0	0	0	0	0	0	0	0	0	0	1	2000
10107	168	439.1	2882	0	0	0	0	0	0	0	0	0	0	0	0	2000
10292	168	347.8	1329	0	0	0	0	0	0	0	0	0	0	0	0	2000
10149	24	475.6	29574	0	0	0	0	0	0	0	0	0	0	0	0	2000
10373	104	434.1	2291	1	0	0	0	0	0	0	0	0	0	0	1	2001
10170	168	420.5	54657	1	0	0	0	0	0	0	0	0	0	0	0	2001
10279	168	337.3	58535	1	0	0	0	0	0	0	0	0	0	0	0	2001
10897	129	313.4	41749	1	0	0	0	0	0	0	0	0	0	0	1	2001
10455	157	359.4	8987	0	1	0	0	0	0	0	0	0	0	0	0	2001
10618	37	281.9	23817	0	1	0	0	0	0	0	0	0	0	0	1	2001
10246	165	433.5	64953	0	0	1	0	0	0	0	0	0	0	0	1	2001
10591	168	377.9	17738	0	0	0	1	0	0	0	0	0	0	0	0	2001
10236	143	394.7	33673	0	0	0	1	0	0	0	0	0	0	0	1	2001
10182	168	458.7	17277	0	0	0	1	0	0	0	0	0	0	0	0	2001
10526	122	401.4	42940	0	0	0	1	0	0	0	0	0	0	0	1	2001
10155	89	444.4	7400	0	0	0	0	1	0	0	0	0	0	0	1	2001
10580	168	412.6	49950	0	0	0	0	1	0	0	0	0	0	0	0	2001
10151	139	380.7	28732	0	0	0	0	1	0	0	0	0	0	0	1	2001
10058	168	418.4	53067	0	0	0	0	1	0	0	0	0	0	0	0	2001
10273	168	384.1	29664	0	0	0	0	1	0	0	0	0	0	0	0	2001
10301	168	394.5	36344	0	0	0	0	0	1	0	0	0	0	0	0	2001
10334	168	419.8	54449	0	0	0	0	0	1	0	0	0	0	0	0	2001
10301	168	410.2	47815	0	0	0	0	0	1	0	0	0	0	0	0	2001
10293	144	404.2	42880	0	0	0	0	0	1	0	0	0	0	0	0	2001
10560	168	378.6	25324	0	0	0	0	0	0	1	0	0	0	0	0	2001

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
10538	168	426.8	56438	0	0	0	0	0	0	1	0	0	0	0	0	2001
10567	155	424.2	56464	0	0	0	0	0	0	1	0	0	0	0	0	2001
10403	138	427.2	57724	0	0	0	0	0	0	1	0	0	0	0	1	2001
10483	168	424.5	56882	0	0	0	0	0	0	0	1	0	0	0	0	2001
10327	168	428.0	60101	0	0	0	0	0	0	0	1	0	0	0	0	2001
10742	77	376.3	26784	0	0	0	0	0	0	0	1	0	0	0	1	2001
10726	132	335.5	60291	0	0	0	0	0	0	0	0	0	1	0	1	2001
10793	133	276.4	18411	0	0	0	0	0	0	0	0	0	1	0	0	2001
10651	152	291.3	33337	0	0	0	0	0	0	0	0	0	1	0	1	2001
10500	156	290.9	28777	0	0	0	0	0	0	0	0	0	1	0	0	2001
10606	168	292.3	29313	0	0	0	0	0	0	0	0	0	0	1	0	2001
10153	168	351.0	6496	0	0	0	0	0	0	0	0	0	0	1	0	2001
10907	167	253.2	5658	0	0	0	0	0	0	0	0	0	0	1	0	2001
10789	168	297.3	35249	0	0	0	0	0	0	0	0	0	0	1	0	2001
10737	168	245.8	63840	0	0	0	0	0	0	0	0	0	0	0	0	2001
10511	168	269.0	14477	0	0	0	0	0	0	0	0	0	0	0	0	2001
10728	168	245.1	64858	0	0	0	0	0	0	0	0	0	0	0	0	2001
10591	168	275.3	19663	0	0	0	0	0	0	0	0	0	0	0	0	2001
10234	24	381.0	18773	0	0	0	0	0	0	0	0	0	0	0	0	2001
10314	168	378.7	24041	1	0	0	0	0	0	0	0	0	0	0	0	2002
10654	168	295.2	34461	1	0	0	0	0	0	0	0	0	0	0	0	2002
10666	168	267.6	16590	1	0	0	0	0	0	0	0	0	0	0	0	2002
11168	168	207.6	43385	1	0	0	0	0	0	0	0	0	0	0	0	2002
11091	168	219.0	50598	0	1	0	0	0	0	0	0	0	0	0	0	2002
10690	168	301.9	38965	0	1	0	0	0	0	0	0	0	0	0	0	2002
10837	168	256.2	7724	0	1	0	0	0	0	0	0	0	0	0	0	2002
10703	168	272.4	16244	0	1	0	0	0	0	0	0	0	0	0	0	2002
9861	168	361.2	12556	0	0	1	0	0	0	0	0	0	0	0	0	2002
9411	130	393.9	37892	0	0	1	0	0	0	0	0	0	0	0	1	2002
9501	96	369.2	19940	0	0	1	0	0	0	0	0	0	0	0	0	2002
11124	129	274.2	20002	0	0	0	0	1	0	0	0	0	0	0	1	2002
10431	156	271.9	9174	0	0	0	0	1	0	0	0	0	0	0	0	2002
10157	93	295.6	22086	0	0	0	0	1	0	0	0	0	0	0	0	2002
10606	157	334.6	60611	0	0	0	0	1	0	0	0	0	0	0	1	2002
10494	168	350.8	6705	0	0	0	0	0	1	0	0	0	0	0	0	2002
10460	168	344.6	2074	0	0	0	0	0	1	0	0	0	0	0	0	2002
10519	124	372.9	22137	0	0	0	0	0	1	0	0	0	0	0	1	2002
10545	144	368.1	18450	0	0	0	0	0	1	0	0	0	0	0	0	2002

Data Base for CRIST 7 Target Heat Rate Equation

HR	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.
HOUR	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
JAN to NOV	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of unit start ups during the week after being shut down for 24 hours or more.
YEAR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for SMITH 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10080	168	149.3	22824	0	0	0	0	0	0	1	0	0	0	0	0	1999
10032	129	152.7	23711	0	0	0	0	0	0	1	0	0	0	0	0	1999
10220	143	149.6	23119	0	0	0	0	0	0	1	0	0	0	0	2	1999
10022	168	152.7	23714	0	0	0	0	0	0	1	0	0	0	0	0	1999
10003	168	159.9	25574	0	0	0	0	0	0	0	1	0	0	0	0	1999
10013	168	158.5	25164	0	0	0	0	0	0	0	1	0	0	0	0	1999
10020	168	155.0	24222	0	0	0	0	0	0	0	1	0	0	0	0	1999
10040	168	143.3	21178	0	0	0	0	0	0	0	1	0	0	0	0	1999
10020	168	144.6	21534	0	0	0	0	0	0	0	1	0	0	0	0	1999
10041	161	144.7	21639	0	0	0	0	0	0	0	0	1	0	0	0	1999
9940	168	149.4	22720	0	0	0	0	0	0	0	0	1	0	0	0	1999
9896	168	142.6	21163	0	0	0	0	0	0	0	0	1	0	0	0	1999
10033	43	126.3	17756	0	0	0	0	0	0	0	0	1	0	0	0	1999
9951	117	145.9	22062	0	0	0	0	0	0	0	0	0	1	0	1	1999
9963	168	155.5	24375	0	0	0	0	0	0	0	0	0	1	0	0	1999
10026	168	152.5	23565	0	0	0	0	0	0	0	0	0	1	0	0	1999
9978	168	147.8	22345	0	0	0	0	0	0	0	0	0	1	0	0	1999
9966	168	152.7	23818	0	0	0	0	0	0	0	0	0	1	0	0	1999
9969	168	156.2	24575	0	0	0	0	0	0	0	0	0	0	1	0	1999
10033	168	154.7	24208	0	0	0	0	0	0	0	0	0	0	1	0	1999
9951	168	153.5	23961	0	0	0	0	0	0	0	0	0	0	1	0	1999
9900	168	148.4	22670	0	0	0	0	0	0	0	0	0	0	1	0	1999
10005	168	153.4	23929	0	0	0	0	0	0	0	0	0	0	0	0	1999
10035	168	152.0	23656	0	0	0	0	0	0	0	0	0	0	0	0	1999
10028	168	152.0	23754	0	0	0	0	0	0	0	0	0	0	0	0	1999
10116	168	153.1	23976	0	0	0	0	0	0	0	0	0	0	0	0	1999
10108	24	128.4	17352	0	0	0	0	0	0	0	0	0	0	0	0	1999
10160	168	133.6	19338	1	0	0	0	0	0	0	0	0	0	0	0	2000
10187	168	145.7	22214	1	0	0	0	0	0	0	0	0	0	0	0	2000
10112	168	149.5	23057	1	0	0	0	0	0	0	0	0	0	0	0	2000
10142	168	156.2	24787	1	0	0	0	0	0	0	0	0	0	0	0	2000
10237	168	158.9	25274	0	1	0	0	0	0	0	0	0	0	0	0	2000
9861	2	58.5	6502	0	1	0	0	0	0	0	0	0	0	0	0	2000
10045	161	151.3	23311	0	1	0	0	0	0	0	0	0	0	0	1	2000
10009	168	152.2	23520	0	1	0	0	0	0	0	0	0	0	0	0	2000
10081	167	145.4	21964	0	0	1	0	0	0	0	0	0	0	0	0	2000
10128	168	157.9	25086	0	0	1	0	0	0	0	0	0	0	0	0	2000
10085	168	153.2	23806	0	0	1	0	0	0	0	0	0	0	0	0	2000
10037	168	152.3	23696	0	0	1	0	0	0	0	0	0	0	0	0	2000
10189	167	152.6	23763	0	0	0	1	0	0	0	0	0	0	0	0	2000
10138	168	157.2	24858	0	0	0	1	0	0	0	0	0	0	0	0	2000
10105	168	151.0	23283	0	0	0	1	0	0	0	0	0	0	0	0	2000
10028	168	152.0	23492	0	0	0	1	0	0	0	0	0	0	0	0	2000
10023	168	151.1	23282	0	0	0	0	1	0	0	0	0	0	0	0	2000
9956	168	153.9	23941	0	0	0	0	1	0	0	0	0	0	0	0	2000
9932	168	153.3	23919	0	0	0	0	1	0	0	0	0	0	0	0	2000
10055	168	156.7	24679	0	0	0	0	1	0	0	0	0	0	0	0	2000

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
10036	168	142.4	21309	0	0	0	0	1	0	0	0	0	0	0	0	2000
10048	168	141.1	20967	0	0	0	0	0	1	0	0	0	0	0	0	2000
10069	168	150.3	23135	0	0	0	0	0	1	0	0	0	0	0	0	2000
10057	168	147.2	22259	0	0	0	0	0	1	0	0	0	0	0	0	2000
10393	168	147.0	22230	0	0	0	0	0	1	0	0	0	0	0	0	2000
10488	144	127.0	17979	0	0	0	0	0	0	1	0	0	0	0	1	2000
10084	168	157.0	24787	0	0	0	0	0	0	1	0	0	0	0	0	2000
10065	168	155.8	24454	0	0	0	0	0	0	1	0	0	0	0	0	2000
10051	168	135.1	19578	0	0	0	0	0	0	1	0	0	0	0	0	2000
10044	168	140.1	20658	0	0	0	0	0	0	0	1	0	0	0	0	2000
10198	168	149.4	22784	0	0	0	0	0	0	0	1	0	0	0	0	2000
9980	168	144.7	21837	0	0	0	0	0	0	0	1	0	0	0	0	2000
9976	168	143.7	21421	0	0	0	0	0	0	0	1	0	0	0	0	2000
10015	168	147.9	22474	0	0	0	0	0	0	0	1	0	0	0	0	2000
10040	168	137.7	20122	0	0	0	0	0	0	0	0	1	0	0	0	2000
10169	168	143.0	21326	0	0	0	0	0	0	0	0	1	0	0	0	2000
10058	168	131.3	18662	0	0	0	0	0	0	0	0	1	0	0	0	2000
9979	168	135.1	19504	0	0	0	0	0	0	0	0	1	0	0	0	2000
10211	168	123.3	16508	0	0	0	0	0	0	0	0	0	1	0	0	2000
10171	168	139.6	20554	0	0	0	0	0	0	0	0	0	1	0	0	2000
10280	168	146.6	22480	0	0	0	0	0	0	0	0	0	1	0	0	2000
10202	168	138.2	20503	0	0	0	0	0	0	0	0	0	1	0	0	2000
10149	167	131.9	19136	0	0	0	0	0	0	0	0	0	1	0	0	2000
9894	153	148.9	22856	0	0	0	0	0	0	0	0	0	0	1	1	2000
9841	168	153.1	24033	0	0	0	0	0	0	0	0	0	0	1	0	2000
10130	168	148.6	22606	0	0	0	0	0	0	0	0	0	0	1	0	2000
9878	168	160.0	25639	0	0	0	0	0	0	0	0	0	0	0	0	2000
9920	168	136.1	19624	0	0	0	0	0	0	0	0	0	0	0	0	2000
10133	168	141.8	21218	0	0	0	0	0	0	0	0	0	0	0	0	2000
9977	168	153.3	23895	0	0	0	0	0	0	0	0	0	0	0	0	2000
10077	24	162.6	26435	0	0	0	0	0	0	0	0	0	0	0	0	2000
9887	168	157.5	24988	1	0	0	0	0	0	0	0	0	0	0	0	2001
9893	168	146.0	22120	1	0	0	0	0	0	0	0	0	0	0	0	2001
10024	168	112.2	13972	1	0	0	0	0	0	0	0	0	0	0	0	2001
10218	168	109.0	12976	1	0	0	0	0	0	0	0	0	0	0	0	2001
10032	168	103.0	11523	0	1	0	0	0	0	0	0	0	0	0	0	2001
10118	168	131.7	18687	0	1	0	0	0	0	0	0	0	0	0	0	2001
9795	168	152.5	23758	0	1	0	0	0	0	0	0	0	0	0	0	2001
9850	168	158.8	25318	0	1	0	0	0	0	0	0	0	0	0	0	2001
9866	168	156.7	24710	0	0	1	0	0	0	0	0	0	0	0	0	2001
9730	168	160.3	25748	0	0	1	0	0	0	0	0	0	0	0	0	2001
10064	168	154.7	24212	0	0	1	0	0	0	0	0	0	0	0	0	2001
10494	168	157.2	25050	0	0	1	0	0	0	0	0	0	0	0	0	2001
10087	167	162.7	26459	0	0	1	0	0	0	0	0	0	0	0	0	2001
10116	168	157.7	25093	0	0	0	1	0	0	0	0	0	0	0	0	2001
10018	168	158.2	25306	0	0	0	1	0	0	0	0	0	0	0	0	2001
9958	118	159.8	25786	0	0	0	1	0	0	0	0	0	0	0	0	2001

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
10339	75	141.4	21164	0	0	0	0	1	0	0	0	0	0	0	1	2001
10050	168	134.4	19566	0	0	0	0	1	0	0	0	0	0	0	0	2001
10083	168	143.1	21620	0	0	0	0	1	0	0	0	0	0	0	0	2001
10325	168	135.0	19676	0	0	0	0	1	0	0	0	0	0	0	0	2001
10253	168	147.0	22151	0	0	0	0	0	1	0	0	0	0	0	0	2001
10325	168	150.7	23060	0	0	0	0	0	1	0	0	0	0	0	0	2001
10086	168	146.7	22062	0	0	0	0	0	1	0	0	0	0	0	0	2001
10035	144	144.9	21675	0	0	0	0	0	1	0	0	0	0	0	0	2001
10113	168	142.3	20828	0	0	0	0	0	0	1	0	0	0	0	0	2001
10378	168	151.8	23364	0	0	0	0	0	0	1	0	0	0	0	0	2001
10167	168	148.8	22610	0	0	0	0	0	0	1	0	0	0	0	0	2001
10134	168	161.6	26174	0	0	0	0	0	0	1	0	0	0	0	0	2001
10155	168	159.9	25585	0	0	0	0	0	0	0	1	0	0	0	0	2001
10302	168	157.3	24789	0	0	0	0	0	0	0	1	0	0	0	0	2001
10230	168	152.8	23707	0	0	0	0	0	0	0	1	0	0	0	0	2001
10274	168	148.5	22460	0	0	0	0	0	0	0	1	0	0	0	0	2001
10131	168	149.5	22934	0	0	0	0	0	0	0	1	0	0	0	0	2001
10140	168	144.6	21330	0	0	0	0	0	0	0	0	1	0	0	0	2001
9948	168	143.5	20980	0	0	0	0	0	0	0	0	1	0	0	0	2001
10076	168	138.9	20135	0	0	0	0	0	0	0	0	1	0	0	0	2001
10331	168	145.3	21456	0	0	0	0	0	0	0	0	1	0	0	0	2001
10244	160	143.6	21158	0	0	0	0	0	0	0	0	0	1	0	0	2001
10358	91	151.1	23357	0	0	0	0	0	0	0	0	0	1	0	1	2001
10206	168	140.6	20494	0	0	0	0	0	0	0	0	0	1	0	0	2001
10282	142	129.9	17952	0	0	0	0	0	0	0	0	0	1	0	1	2001
10116	168	124.8	16968	0	0	0	0	0	0	0	0	0	0	1	0	2001
10211	168	120.5	15363	0	0	0	0	0	0	0	0	0	0	1	0	2001
10233	168	118.6	15274	0	0	0	0	0	0	0	0	0	0	1	0	2001
10232	168	113.0	13153	0	0	0	0	0	0	0	0	0	0	1	0	2001
10310	168	104.8	11379	0	0	0	0	0	0	0	0	0	0	0	0	2001
10200	168	107.5	12147	0	0	0	0	0	0	0	0	0	0	0	0	2001
10168	168	113.7	13477	0	0	0	0	0	0	0	0	0	0	0	0	2001
10299	168	107.6	12069	0	0	0	0	0	0	0	0	0	0	0	0	2001
10191	24	102.1	10851	0	0	0	0	0	0	0	0	0	0	0	0	2001
10030	168	136.0	19496	1	0	0	0	0	0	0	0	0	0	0	0	2002
9888	168	126.0	16469	1	0	0	0	0	0	0	0	0	0	0	0	2002
9919	168	118.3	14431	1	0	0	0	0	0	0	0	0	0	0	0	2002
10393	111	111.1	12561	1	0	0	0	0	0	0	0	0	0	0	1	2002
10252	168	116.5	13672	0	1	0	0	0	0	0	0	0	0	0	0	2002
10101	168	126.6	16327	0	1	0	0	0	0	0	0	0	0	0	0	2002
10079	168	123.9	15654	0	1	0	0	0	0	0	0	0	0	0	0	2002
10141	166	129.4	17179	0	1	0	0	0	0	0	0	0	0	0	0	2002
10210	168	141.5	20440	0	0	1	0	0	0	0	0	0	0	0	0	2002
10391	168	147.6	22150	0	0	1	0	0	0	0	0	0	0	0	0	2002
10114	168	140.7	20238	0	0	1	0	0	0	0	0	0	0	0	0	2002
10114	168	137.1	19239	0	0	1	0	0	0	0	0	0	0	0	0	2002
9920	4	99.5	10395	0	0	1	0	0	0	0	0	0	0	0	0	2002

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
10726	95	108.3	13091	0	0	0	1	0	0	0	0	0	0	0	1	2002
10488	168	93.2	9151	0	0	0	0	1	0	0	0	0	0	0	0	2002
10248	168	126.9	17102	0	0	0	0	1	0	0	0	0	0	0	0	2002
10435	168	117.4	15392	0	0	0	0	1	0	0	0	0	0	0	0	2002
10224	168	121.7	16435	0	0	0	0	1	0	0	0	0	0	0	0	2002
10197	168	117.7	15534	0	0	0	0	1	0	0	0	0	0	0	0	2002
10169	168	133.5	18662	0	0	0	0	0	1	0	0	0	0	0	0	2002
10286	168	132.8	18519	0	0	0	0	0	1	0	0	0	0	0	0	2002
10234	168	136.9	19484	0	0	0	0	0	1	0	0	0	0	0	0	2002
10320	144	139.1	20030	0	0	0	0	0	1	0	0	0	0	0	0	2002

Data Base for SMITH 1 Target Heat Rate Equation

HR	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.
HOUR	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
JAN to NOV	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of unit start ups during the week after being shut down for 24 hours or more.
YEAR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for SMITH 2 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10148	168	180.9	32975	0	0	0	0	0	0	1	0	0	0	0	0	1999
10177	168	182.6	33688	0	0	0	0	0	0	1	0	0	0	0	0	1999
10200	168	184.3	34039	0	0	0	0	0	0	1	0	0	0	0	0	1999
10217	168	184.8	34235	0	0	0	0	0	0	1	0	0	0	0	0	1999
10161	168	185.4	34417	0	0	0	0	0	0	0	1	0	0	0	0	1999
10138	168	183.0	33630	0	0	0	0	0	0	0	1	0	0	0	0	1999
10140	168	177.9	31972	0	0	0	0	0	0	0	1	0	0	0	0	1999
10171	168	162.4	27654	0	0	0	0	0	0	0	1	0	0	0	0	1999
10108	168	166.6	28824	0	0	0	0	0	0	0	1	0	0	0	0	1999
10177	165	179.8	32603	0	0	0	0	0	0	0	0	1	0	0	0	1999
10089	168	184.0	33979	0	0	0	0	0	0	0	0	1	0	0	0	1999
10203	145	168.7	30198	0	0	0	0	0	0	0	0	1	0	0	0	1999
10156	168	179.8	32979	0	0	0	0	0	0	0	0	1	0	0	0	1999
10031	168	181.9	33261	0	0	0	0	0	0	0	0	0	1	0	0	1999
10082	168	185.0	34367	0	0	0	0	0	0	0	0	0	1	0	0	1999
10136	168	187.8	35352	0	0	0	0	0	0	0	0	0	1	0	0	1999
10154	168	187.7	35269	0	0	0	0	0	0	0	0	0	1	0	0	1999
10175	169	187.3	35114	0	0	0	0	0	0	0	0	0	1	0	0	1999
10255	168	188.2	35440	0	0	0	0	0	0	0	0	0	0	1	0	1999
10258	47	180.9	33653	0	0	0	0	0	0	0	0	0	0	1	0	1999
10381	114	167.4	29945	0	0	0	0	0	0	0	0	0	0	1	1	1999
10225	168	182.8	33819	0	0	0	0	0	0	0	0	0	0	1	0	1999
10150	168	185.6	34642	0	0	0	0	0	0	0	0	0	0	0	0	1999
10157	168	185.5	34529	0	0	0	0	0	0	0	0	0	0	0	0	1999
9808	168	180.2	32764	0	0	0	0	0	0	0	0	0	0	0	0	1999
10115	34	164.6	29142	0	0	0	0	0	0	0	0	0	0	0	1	1999
9662	24	178.5	32078	0	0	0	0	0	0	0	0	0	0	0	0	1999
9830	168	146.8	23825	1	0	0	0	0	0	0	0	0	0	0	0	2000
9848	168	164.1	28615	1	0	0	0	0	0	0	0	0	0	0	0	2000
9800	168	170.0	30050	1	0	0	0	0	0	0	0	0	0	0	0	2000
9871	168	181.8	33669	1	0	0	0	0	0	0	0	0	0	0	0	2000
9823	168	184.4	34122	0	1	0	0	0	0	0	0	0	0	0	0	2000
9745	168	186.4	34843	0	1	0	0	0	0	0	0	0	0	0	0	2000
9750	168	168.2	29408	0	1	0	0	0	0	0	0	0	0	0	0	2000
9751	168	174.4	31080	0	1	0	0	0	0	0	0	0	0	0	0	2000
9750	168	175.5	31375	0	1	0	0	0	0	0	0	0	0	0	0	2000
9778	168	178.0	32102	0	0	1	0	0	0	0	0	0	0	0	0	2000
9737	168	183.3	33877	0	0	1	0	0	0	0	0	0	0	0	0	2000
9742	168	178.0	32245	0	0	1	0	0	0	0	0	0	0	0	0	2000
9690	168	183.9	34140	0	0	1	0	0	0	0	0	0	0	0	0	2000
10272	162	156.7	26426	0	0	0	1	0	0	0	0	0	0	0	1	2000
10147	168	179.2	32568	0	0	0	1	0	0	0	0	0	0	0	0	2000
10052	168	173.2	30985	0	0	0	0	1	0	0	0	0	0	0	0	2000
10057	168	180.3	32891	0	0	0	0	1	0	0	0	0	0	0	0	2000
10045	168	176.8	32141	0	0	0	0	1	0	0	0	0	0	0	0	2000
10345	143	177.8	32471	0	0	0	0	1	0	0	0	0	0	0	1	2000
10267	168	162.5	28132	0	0	0	0	1	0	0	0	0	0	0	0	2000

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
10221	168	161.4	27769	0	0	0	0	0	1	0	0	0	0	0	0	2000
10228	168	173.2	30887	0	0	0	0	0	1	0	0	0	0	0	0	2000
10252	168	169.3	29619	0	0	0	0	0	1	0	0	0	0	0	0	2000
10264	168	171.5	30175	0	0	0	0	0	1	0	0	0	0	0	0	2000
10344	168	154.4	26091	0	0	0	0	0	0	1	0	0	0	0	0	2000
10268	168	182.7	33641	0	0	0	0	0	0	1	0	0	0	0	0	2000
10207	168	179.6	32561	0	0	0	0	0	0	1	0	0	0	0	0	2000
10291	168	152.7	25443	0	0	0	0	0	0	1	0	0	0	0	0	2000
10286	168	160.1	27329	0	0	0	0	0	0	0	1	0	0	0	0	2000
10337	168	172.1	30359	0	0	0	0	0	0	0	1	0	0	0	0	2000
10265	168	164.9	28619	0	0	0	0	0	0	0	1	0	0	0	0	2000
10236	168	164.2	28229	0	0	0	0	0	0	0	1	0	0	0	0	2000
10240	168	170.7	30046	0	0	0	0	0	0	0	1	0	0	0	0	2000
10327	168	155.9	26274	0	0	0	0	0	0	0	0	1	0	0	0	2000
10273	159	161.4	27879	0	0	0	0	0	0	0	0	1	0	0	0	2000
10299	168	148.8	24487	0	0	0	0	0	0	0	0	1	0	0	0	2000
10193	168	148.6	24297	0	0	0	0	0	0	0	0	1	0	0	0	2000
10352	168	138.2	21356	0	0	0	0	0	0	0	0	0	1	0	0	2000
10345	46	144.3	23091	0	0	0	0	0	0	0	0	0	1	0	0	2000
10408	161	153.2	26067	0	0	0	0	0	0	0	0	0	1	0	1	2000
10435	169	147.7	24530	0	0	0	0	0	0	0	0	0	1	0	0	2000
10233	168	157.6	27061	0	0	0	0	0	0	0	0	0	0	1	0	2000
10129	168	174.5	31493	0	0	0	0	0	0	0	0	0	0	1	0	2000
10148	168	177.3	32400	0	0	0	0	0	0	0	0	0	0	1	0	2000
10353	151	165.4	28720	0	0	0	0	0	0	0	0	0	0	1	0	2000
10033	166	181.2	33381	0	0	0	0	0	0	0	0	0	0	0	0	2000
10311	143	138.0	21194	0	0	0	0	0	0	0	0	0	0	0	1	2000
10214	168	156.2	26632	0	0	0	0	0	0	0	0	0	0	0	0	2000
10144	168	176.9	32034	0	0	0	0	0	0	0	0	0	0	0	0	2000
10226	24	189.9	36054	0	0	0	0	0	0	0	0	0	0	0	0	2000
10095	168	183.3	33830	1	0	0	0	0	0	0	0	0	0	0	0	2001
10093	168	172.2	30541	1	0	0	0	0	0	0	0	0	0	0	0	2001
10249	168	124.6	17746	1	0	0	0	0	0	0	0	0	0	0	0	2001
10290	168	120.6	16199	1	0	0	0	0	0	0	0	0	0	0	0	2001
10133	168	113.9	14471	0	1	0	0	0	0	0	0	0	0	0	0	2001
9904	168	148.4	24306	0	1	0	0	0	0	0	0	0	0	0	0	2001
9958	144	170.5	30450	0	1	0	0	0	0	0	0	0	0	0	1	2001
9906	168	185.1	34423	0	1	0	0	0	0	0	0	0	0	0	0	2001
9923	146	178.6	32686	0	0	1	0	0	0	0	0	0	0	0	0	2001
9758	168	186.4	34791	0	0	1	0	0	0	0	0	0	0	0	0	2001
9836	118	176.7	31832	0	0	1	0	0	0	0	0	0	0	0	0	2001
10365	42	168.0	29964	0	0	0	1	0	0	0	0	0	0	0	1	2001
9783	168	187.6	35293	0	0	0	1	0	0	0	0	0	0	0	0	2001
9839	168	182.9	34103	0	0	0	1	0	0	0	0	0	0	0	0	2001
10017	168	179.9	33126	0	0	0	1	0	0	0	0	0	0	0	0	2001
10095	168	181.9	33502	0	0	0	0	1	0	0	0	0	0	0	0	2001
9891	168	163.6	28730	0	0	0	0	1	0	0	0	0	0	0	0	2001

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
9786	147	151.0	25413	0	0	0	0	1	0	0	0	0	0	0	0	2001
10140	142	157.6	27252	0	0	0	0	1	0	0	0	0	0	0	1	2001
10264	168	164.7	28740	0	0	0	0	1	0	0	0	0	0	0	0	2001
9929	168	166.2	28499	0	0	0	0	0	1	0	0	0	0	0	0	2001
10127	168	172.0	30223	0	0	0	0	0	1	0	0	0	0	0	0	2001
10058	168	165.7	28860	0	0	0	0	0	1	0	0	0	0	0	0	2001
10062	117	162.5	27836	0	0	0	0	0	1	0	0	0	0	0	0	2001
10057	168	158.8	26498	0	0	0	0	0	0	1	0	0	0	0	0	2001
10375	168	175.4	31205	0	0	0	0	0	0	1	0	0	0	0	0	2001
10201	168	170.9	29831	0	0	0	0	0	0	1	0	0	0	0	0	2001
10199	168	169.2	29474	0	0	0	0	0	0	1	0	0	0	0	0	2001
10055	168	169.0	29507	0	0	0	0	0	0	0	1	0	0	0	0	2001
10272	168	174.0	30479	0	0	0	0	0	0	0	1	0	0	0	0	2001
10248	168	143.5	23373	0	0	0	0	0	0	0	1	0	0	0	0	2001
10156	168	162.4	27843	0	0	0	0	0	0	0	1	0	0	0	0	2001
10065	168	163.5	28315	0	0	0	0	0	0	0	1	0	0	0	0	2001
10263	168	142.8	22878	0	0	0	0	0	0	0	0	1	0	0	0	2001
10184	168	139.0	22098	0	0	0	0	0	0	0	0	1	0	0	0	2001
10200	151	136.0	20976	0	0	0	0	0	0	0	0	1	0	0	0	2001
*10441	1	12.0	144	0	0	0	0	0	0	0	0	1	0	0	0	2001
10265	49	165.2	29203	0	0	0	0	0	0	0	0	0	1	0	1	2001
10159	168	169.3	29887	0	0	0	0	0	0	0	0	0	1	0	0	2001
10211	168	172.2	30372	0	0	0	0	0	0	0	0	0	1	0	0	2001
10025	168	162.3	27754	0	0	0	0	0	0	0	0	0	1	0	0	2001
9887	169	155.2	25575	0	0	0	0	0	0	0	0	0	1	0	0	2001
10372	140	141.1	22372	0	0	0	0	0	0	0	0	0	0	1	1	2001
9982	168	152.9	25525	0	0	0	0	0	0	0	0	0	0	1	0	2001
10175	132	118.5	15701	0	0	0	0	0	0	0	0	0	0	1	1	2001
10046	168	122.7	15757	0	0	0	0	0	0	0	0	0	0	1	0	2001
9978	168	116.7	14023	0	0	0	0	0	0	0	0	0	0	0	0	2001
10123	168	118.8	15161	0	0	0	0	0	0	0	0	0	0	0	0	2001
10069	59	108.5	13076	0	0	0	0	0	0	0	0	0	0	0	0	2001
10113	94	121.4	16438	0	0	0	0	0	0	0	0	0	0	0	1	2001
11133	24	105.3	11732	0	0	0	0	0	0	0	0	0	0	0	0	2001
9866	168	144.7	21926	1	0	0	0	0	0	0	0	0	0	0	0	2002
9876	168	132.5	18353	1	0	0	0	0	0	0	0	0	0	0	0	2002
9882	168	119.9	14880	1	0	0	0	0	0	0	0	0	0	0	0	2002
9717	86	112.3	12732	1	0	0	0	0	0	0	0	0	0	0	0	2002
10523	70	106.1	12027	0	1	0	0	0	0	0	0	0	0	0	1	2002
9992	168	124.4	15887	0	1	0	0	0	0	0	0	0	0	0	0	2002
9935	168	120.7	14861	0	1	0	0	0	0	0	0	0	0	0	0	2002
9955	168	127.5	16840	0	1	0	0	0	0	0	0	0	0	0	0	2002
9898	98	149.9	23504	0	0	1	0	0	0	0	0	0	0	0	0	2002
*13940	27	45.9	2190	0	0	0	1	0	0	0	0	0	0	0	1	2002
10815	41	110.7	14466	0	0	0	0	1	0	0	0	0	0	0	1	2002
10007	161	141.2	22301	0	0	0	0	1	0	0	0	0	0	0	0	2002
10238	144	125.8	18286	0	0	0	0	1	0	0	0	0	0	0	1	2002

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
10120	168	131.8	20130	0	0	0	0	1	0	0	0	0	0	0	0	2002
10169	168	128.7	19309	0	0	0	0	1	0	0	0	0	0	0	0	2002
10636	64	113.7	14445	0	0	0	0	0	1	0	0	0	0	0	2	2002
10886	34	120.8	17626	0	0	0	0	0	1	0	0	0	0	0	1	2002
10483	13	124.5	16352	0	0	0	0	0	1	0	0	0	0	0	0	2002

Data Base for SMITH 2 Target Heat Rate Equation

HR	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.
HOUR	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
JAN to NOV	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of unit start ups during the week after being shut down for 24 hours or more.
YEAR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for DANIEL 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10303	168	420.6	61871	0	0	0	0	0	0	1	0	0	0	0	0	1999
9844	168	459.6	22865	0	0	0	0	0	0	1	0	0	0	0	0	1999
10195	168	444.6	10421	0	0	0	0	0	0	1	0	0	0	0	0	1999
10179	168	480.5	38602	0	0	0	0	0	0	1	0	0	0	0	0	1999
10205	168	507.1	60700	0	0	0	0	0	0	0	1	0	0	0	0	1999
9669	168	503.7	57341	0	0	0	0	0	0	0	1	0	0	0	0	1999
9846	168	488.2	45463	0	0	0	0	0	0	0	1	0	0	0	0	1999
10292	168	466.7	28079	0	0	0	0	0	0	0	1	0	0	0	0	1999
10353	168	441.5	8995	0	0	0	0	0	0	0	1	0	0	0	0	1999
10152	168	428.9	1110	0	0	0	0	0	0	0	0	1	0	0	0	1999
10091	168	454.4	17151	0	0	0	0	0	0	0	0	1	0	0	0	1999
11280	47	336.5	1053	0	0	0	0	0	0	0	0	1	0	0	0	1999
12890	14	258.9	15579	0	0	0	0	0	0	0	0	1	0	0	2	1999
10187	168	444.9	3991	0	0	0	0	0	0	0	0	0	1	0	0	1999
10731	168	451.4	8770	0	0	0	0	0	0	0	0	0	1	0	0	1999
9999	168	464.7	19928	0	0	0	0	0	0	0	0	0	1	0	0	1999
10041	168	459.2	15270	0	0	0	0	0	0	0	0	0	1	0	0	1999
10306	169	461.1	17428	0	0	0	0	0	0	0	0	0	1	0	0	1999
10403	168	470.1	24775	0	0	0	0	0	0	0	0	0	0	1	0	1999
10729	168	459.0	16436	0	0	0	0	0	0	0	0	0	0	1	0	1999
10390	122	451.6	11751	0	0	0	0	0	0	0	0	0	0	1	0	1999
10269	97	411.6	50858	0	0	0	0	0	0	0	0	0	0	1	1	1999
10095	168	453.7	11726	0	0	0	0	0	0	0	0	0	0	0	0	1999
9869	119	448.8	9097	0	0	0	0	0	0	0	0	0	0	0	0	1999
11114	139	413.5	49042	0	0	0	0	0	0	0	0	0	0	0	1	1999
10609	168	400.7	37973	0	0	0	0	0	0	0	0	0	0	0	0	1999
* 7108	24	360.4	4175	0	0	0	0	0	0	0	0	0	0	0	0	1999
10884	168	294.4	37735	1	0	0	0	0	0	0	0	0	0	0	0	2000
10474	168	346.7	2394	1	0	0	0	0	0	0	0	0	0	0	0	2000
10609	168	325.4	53662	1	0	0	0	0	0	0	0	0	0	0	0	2000
10453	168	381.2	24554	1	0	0	0	0	0	0	0	0	0	0	0	2000
10223	168	405.4	39968	0	1	0	0	0	0	0	0	0	0	0	0	2000
10371	168	436.5	426	0	1	0	0	0	0	0	0	0	0	0	0	2000
10236	168	381.1	30180	0	1	0	0	0	0	0	0	0	0	0	0	2000
10256	168	396.0	38906	0	1	0	0	0	0	0	0	0	0	0	0	2000
9573	167	426.9	59436	0	1	0	0	0	0	0	0	0	0	0	0	2000
*11359	1	59.0	3481	0	0	1	0	0	0	0	0	0	0	0	0	2000
10343	152	408.2	49331	0	0	0	1	0	0	0	0	0	0	0	1	2000
10238	167	451.1	18114	0	0	0	1	0	0	0	0	0	0	0	0	2000
10316	168	359.9	16710	0	0	0	0	1	0	0	0	0	0	0	0	2000
10056	130	422.4	61333	0	0	0	0	1	0	0	0	0	0	0	0	2000
10326	53	457.3	23427	0	0	0	0	1	0	0	0	0	0	0	1	2000
10019	139	450.8	16596	0	0	0	0	1	0	0	0	0	0	0	1	2000
10100	168	376.3	32403	0	0	0	0	1	0	0	0	0	0	0	0	2000
10113	168	369.8	29920	0	0	0	0	0	1	0	0	0	0	0	0	2000
10027	168	403.0	49948	0	0	0	0	0	1	0	0	0	0	0	0	2000
9939	168	399.0	51230	0	0	0	0	0	1	0	0	0	0	0	0	2000

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
9594	168	489.1	46128	0	0	0	0	0	1	0	0	0	0	0	0	2000
10428	24	378.2	32473	0	0	0	0	1	0	0	0	0	0	0	0	2000
11089	168	497.2	52373	0	0	0	0	0	0	1	0	0	0	0	0	2000
10889	71	471.7	35127	0	0	0	0	0	0	1	0	0	0	0	1	2000
10655	168	472.4	36019	0	0	0	0	0	0	1	0	0	0	0	0	2000
10597	168	406.6	59116	0	0	0	0	0	0	1	0	0	0	0	0	2000
10358	150	465.8	28794	0	0	0	0	0	0	0	1	0	0	0	0	2000
10137	168	501.3	54885	0	0	0	0	0	0	0	1	0	0	0	0	2000
10372	167	466.2	31150	0	0	0	0	0	0	0	1	0	0	0	0	2000
10294	167	462.6	27431	0	0	0	0	0	0	0	1	0	0	0	0	2000
10272	121	469.3	32424	0	0	0	0	0	0	0	1	0	0	0	1	2000
10142	168	475.6	38231	0	0	0	0	0	0	0	0	1	0	0	0	2000
10004	168	491.6	46405	0	0	0	0	0	0	0	0	1	0	0	0	2000
10037	136	487.5	47356	0	0	0	0	0	0	0	0	1	0	0	1	2000
10010	168	482.6	42707	0	0	0	0	0	0	0	0	1	0	0	0	2000
10067	168	460.1	27650	0	0	0	0	0	0	0	0	0	1	0	0	2000
10103	168	482.1	43593	0	0	0	0	0	0	0	0	0	1	0	0	2000
9919	168	463.2	28003	0	0	0	0	0	0	0	0	0	1	0	0	2000
9937	168	470.2	32498	0	0	0	0	0	0	0	0	0	1	0	0	2000
9854	169	473.6	37604	0	0	0	0	0	0	0	0	0	1	0	0	2000
9960	168	488.3	46339	0	0	0	0	0	0	0	0	0	0	1	0	2000
9912	168	498.9	53929	0	0	0	0	0	0	0	0	0	0	1	0	2000
9910	168	480.6	37063	0	0	0	0	0	0	0	0	0	0	1	0	2000
11327	168	442.6	1816	0	0	0	0	0	0	0	0	0	0	1	0	2000
9417	168	479.6	35078	0	0	0	0	0	0	0	0	0	0	0	0	2000
10658	168	422.7	48045	0	0	0	0	0	0	0	0	0	0	0	0	2000
10222	168	407.2	42023	0	0	0	0	0	0	0	0	0	0	0	0	2000
10975	168	417.9	45312	0	0	0	0	0	0	0	0	0	0	0	0	2000
11374	24	425.3	49837	0	0	0	0	0	0	0	0	0	0	0	0	2000
9962	168	479.4	36727	1	0	0	0	0	0	0	0	0	0	0	0	2001
10416	168	429.6	55290	1	0	0	0	0	0	0	0	0	0	0	0	2001
10180	96	417.8	57434	1	0	0	0	0	0	0	0	0	0	0	0	2001
10620	69	428.7	468	0	0	1	0	0	0	0	0	0	0	0	1	2001
10176	138	474.0	33707	0	0	1	0	0	0	0	0	0	0	0	1	2001
10086	168	435.8	2427	0	0	1	0	0	0	0	0	0	0	0	0	2001
10054	168	463.7	25592	0	0	1	0	0	0	0	0	0	0	0	0	2001
10428	167	309.3	49744	0	0	1	0	0	0	0	0	0	0	0	0	2001
9879	168	407.7	54000	0	0	0	1	0	0	0	0	0	0	0	0	2001
10008	168	387.8	42553	0	0	0	1	0	0	0	0	0	0	0	0	2001
9942	168	413.9	57117	0	0	0	1	0	0	0	0	0	0	0	0	2001
10147	168	336.1	3674	0	0	0	1	0	0	0	0	0	0	0	0	2001
9920	168	337.1	3178	0	0	0	0	1	0	0	0	0	0	0	0	2001
10175	168	330.3	1056	0	0	0	0	1	0	0	0	0	0	0	0	2001
10477	168	278.4	34345	0	0	0	0	1	0	0	0	0	0	0	0	2001
10706	168	279.8	27721	0	0	0	0	1	0	0	0	0	0	0	0	2001
10512	168	315.7	53213	0	0	0	0	1	0	0	0	0	0	0	0	2001
10147	168	372.8	28388	0	0	0	0	0	1	0	0	0	0	0	0	2001

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
9911	168	423.7	62662	0	0	0	0	0	1	0	0	0	0	0	0	2001
9960	168	388.0	40274	0	0	0	0	0	1	0	0	0	0	0	0	2001
9992	144	360.9	18129	0	0	0	0	0	1	0	0	0	0	0	0	2001
10573	168	282.1	32423	0	0	0	0	0	0	1	0	0	0	0	0	2001
10626	168	248.5	15445	0	0	0	0	0	0	1	0	0	0	0	0	2001
10515	168	260.0	23897	0	0	0	0	0	0	1	0	0	0	0	0	2001
10525	168	265.6	27735	0	0	0	0	0	0	1	0	0	0	0	0	2001
10395	168	268.3	24484	0	0	0	0	0	0	0	1	0	0	0	0	2001
10628	168	324.9	59850	0	0	0	0	0	0	0	1	0	0	0	0	2001
10607	168	364.3	21198	0	0	0	0	0	0	0	1	0	0	0	0	2001
10611	168	348.7	12451	0	0	0	0	0	0	0	1	0	0	0	0	2001
11005	168	294.1	43426	0	0	0	0	0	0	0	1	0	0	0	0	2001
11152	168	276.4	28832	0	0	0	0	0	0	0	0	1	0	0	0	2001
10684	168	328.3	62058	0	0	0	0	0	0	0	0	1	0	0	0	2001
10507	168	369.6	25571	0	0	0	0	0	0	0	0	1	0	0	0	2001
10121	168	447.3	10891	0	0	0	0	0	0	0	0	1	0	0	0	2001
9772	168	443.4	10765	0	0	0	0	0	0	0	0	0	1	0	0	2001
9716	168	476.3	33613	0	0	0	0	0	0	0	0	0	1	0	0	2001
9923	168	466.6	26371	0	0	0	0	0	0	0	0	0	1	0	0	2001
9818	148	475.8	35092	0	0	0	0	0	0	0	0	0	1	0	0	2001
9817	169	441.2	11572	0	0	0	0	0	0	0	0	0	1	0	0	2001
10666	168	390.6	41263	0	0	0	0	0	0	0	0	0	0	1	0	2001
9872	168	451.1	14652	0	0	0	0	0	0	0	0	0	0	1	0	2001
10153	168	356.4	17956	0	0	0	0	0	0	0	0	0	0	1	0	2001
10064	168	373.6	30909	0	0	0	0	0	0	0	0	0	0	1	0	2001
10215	168	361.1	22603	0	0	0	0	0	0	0	0	0	0	0	0	2001
10209	168	366.0	23905	0	0	0	0	0	0	0	0	0	0	0	0	2001
10400	168	311.3	50949	0	0	0	0	0	0	0	0	0	0	0	0	2001
10706	168	278.3	30626	0	0	0	0	0	0	0	0	0	0	0	0	2001
11037	24	261.7	21546	0	0	0	0	0	0	0	0	0	0	0	0	2001
10182	168	375.1	25018	1	0	0	0	0	0	0	0	0	0	0	0	2002
10229	168	371.7	21187	1	0	0	0	0	0	0	0	0	0	0	0	2002
10798	168	237.7	42	1	0	0	0	0	0	0	0	0	0	0	0	2002
11491	47	184.6	40196	1	0	0	0	0	0	0	0	0	0	0	0	2002
11237	43	292.6	43148	0	1	0	0	0	0	0	0	0	0	0	1	2002
9778	168	327.4	60779	0	1	0	0	0	0	0	0	0	0	0	0	2002
10534	168	231.0	62792	0	1	0	0	0	0	0	0	0	0	0	0	2002
10418	168	348.4	5842	0	1	0	0	0	0	0	0	0	0	0	0	2002
10116	168	393.6	38371	0	0	1	0	0	0	0	0	0	0	0	0	2002
9924	168	448.9	13753	0	0	1	0	0	0	0	0	0	0	0	0	2002
9945	168	423.1	64139	0	0	1	0	0	0	0	0	0	0	0	0	2002
10029	168	431.0	2591	0	0	1	0	0	0	0	0	0	0	0	0	2002
9992	149	419.6	60760	0	0	1	0	0	0	0	0	0	0	0	0	2002
10934	56	276.9	28064	0	0	0	1	0	0	0	0	0	0	0	1	2002
10080	168	375.3	30653	0	0	0	1	0	0	0	0	0	0	0	0	2002
10161	115	357.1	18925	0	0	0	1	0	0	0	0	0	0	0	0	2002
10281	79	379.2	34717	0	0	0	1	0	0	0	0	0	0	0	1	2002

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
10094	168	403.0	50497	0	0	0	0	1	0	0	0	0	0	0	0	2002
10242	168	386.5	36504	0	0	0	0	1	0	0	0	0	0	0	0	2002
10310	168	351.8	13111	0	0	0	0	1	0	0	0	0	0	0	0	2002
10122	145	366.4	29820	0	0	0	0	1	0	0	0	0	0	0	0	2002
10256	143	349.3	14987	0	0	0	0	1	0	0	0	0	0	0	1	2002
10213	168	377.6	32391	0	0	0	0	0	1	0	0	0	0	0	0	2002
10322	168	365.3	24171	0	0	0	0	0	1	0	0	0	0	0	0	2002
10131	168	380.8	36120	0	0	0	0	0	1	0	0	0	0	0	0	2002
10380	144	352.2	14138	0	0	0	0	0	1	0	0	0	0	0	0	2002

Data Base for DANIEL 1 Target Heat Rate Equation

HR	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.
HOUR	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
JAN to NOV	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of unit start ups during the week after being shut down for 24 hours or more.
YEAR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for DANIEL 2 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10126	168	406.8	51222	0	0	0	0	0	0	1	0	0	0	0	0	1999
9807	120	411.9	56298	0	0	0	0	0	0	1	0	0	0	0	1	1999
9693	168	427.7	62984	0	0	0	0	0	0	1	0	0	0	0	0	1999
9846	168	478.1	35547	0	0	0	0	0	0	1	0	0	0	0	0	1999
10216	130	452.5	16912	0	0	0	0	0	0	0	1	0	0	0	1	1999
9816	168	495.4	49692	0	0	0	0	0	0	0	1	0	0	0	0	1999
10003	168	457.7	20527	0	0	0	0	0	0	0	1	0	0	0	0	1999
10223	168	441.4	8497	0	0	0	0	0	0	0	1	0	0	0	0	1999
10462	168	434.5	3750	0	0	0	0	0	0	0	1	0	0	0	0	1999
10092	143	392.2	39136	0	0	0	0	0	0	0	0	1	0	0	0	1999
10077	126	432.4	1340	0	0	0	0	0	0	0	0	1	0	0	1	1999
9953	168	406.2	52145	0	0	0	0	0	0	0	0	1	0	0	0	1999
9960	168	430.6	563	0	0	0	0	0	0	0	0	1	0	0	0	1999
10094	168	447.3	6804	0	0	0	0	0	0	0	0	0	1	0	0	1999
10684	168	457.3	13130	0	0	0	0	0	0	0	0	0	1	0	0	1999
9983	168	452.6	10402	0	0	0	0	0	0	0	0	0	1	0	0	1999
9959	168	451.8	9419	0	0	0	0	0	0	0	0	0	1	0	0	1999
10065	169	460.1	16597	0	0	0	0	0	0	0	0	0	1	0	0	1999
10167	168	394.4	31737	0	0	0	0	0	0	0	0	0	0	1	0	1999
9495	119	457.7	22032	0	0	0	0	0	0	0	0	0	0	1	0	1999
9892	128	439.5	5757	0	0	0	0	0	0	0	0	0	0	1	1	1999
10261	168	414.8	45907	0	0	0	0	0	0	0	0	0	0	1	0	1999
9879	168	438.1	62907	0	0	0	0	0	0	0	0	0	0	0	0	1999
11030	168	440.7	4520	0	0	0	0	0	0	0	0	0	0	0	0	1999
9434	168	403.4	42629	0	0	0	0	0	0	0	0	0	0	0	0	1999
10549	168	377.1	20699	0	0	0	0	0	0	0	0	0	0	0	0	1999
11033	24	330.2	50321	0	0	0	0	0	0	0	0	0	0	0	0	1999
11086	133	250.9	10254	1	0	0	0	0	0	0	0	0	0	0	1	2000
10381	168	322.0	50549	1	0	0	0	0	0	0	0	0	0	0	0	2000
10650	168	291.8	31872	1	0	0	0	0	0	0	0	0	0	0	0	2000
10311	168	363.2	12404	1	0	0	0	0	0	0	0	0	0	0	0	2000
10148	168	409.9	43776	0	1	0	0	0	0	0	0	0	0	0	0	2000
9560	167	407.5	47634	0	1	0	0	0	0	0	0	0	0	0	0	2000
10850	168	367.4	21657	0	1	0	0	0	0	0	0	0	0	0	0	2000
9877	168	385.0	31999	0	1	0	0	0	0	0	0	0	0	0	0	2000
9971	168	428.5	60068	0	1	0	0	0	0	0	0	0	0	0	0	2000
10012	168	459.3	16171	0	0	1	0	0	0	0	0	0	0	0	0	2000
9989	168	467.9	22892	0	0	1	0	0	0	0	0	0	0	0	0	2000
9985	168	411.1	47818	0	0	1	0	0	0	0	0	0	0	0	0	2000
9995	154	445.5	15101	0	0	0	1	0	0	0	0	0	0	0	1	2000
9961	168	469.6	30819	0	0	0	1	0	0	0	0	0	0	0	0	2000
10039	168	482.9	39296	0	0	0	1	0	0	0	0	0	0	0	0	2000
9861	168	455.4	19956	0	0	0	0	1	0	0	0	0	0	0	0	2000
9993	168	465.1	26538	0	0	0	0	1	0	0	0	0	0	0	0	2000
9868	168	463.0	25392	0	0	0	0	1	0	0	0	0	0	0	0	2000
9980	168	472.9	31629	0	0	0	0	1	0	0	0	0	0	0	0	2000
10191	168	391.1	43187	0	0	0	0	1	0	0	0	0	0	0	0	2000

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
10167	168	384.5	39110	0	0	0	0	0	1	0	0	0	0	0	0	2000
10154	168	394.5	43111	0	0	0	0	0	1	0	0	0	0	0	0	2000
11352	168	380.7	35826	0	0	0	0	0	1	0	0	0	0	0	0	2000
* 9003	168	381.2	32754	0	0	0	0	0	1	0	0	0	0	0	0	2000
10776	24	354.8	19958	0	0	0	0	1	0	0	0	0	0	0	0	2000
10774	168	368.4	28982	0	0	0	0	0	0	1	0	0	0	0	0	2000
10337	168	470.4	29745	0	0	0	0	0	0	1	0	0	0	0	0	2000
10591	101	372.3	29627	0	0	0	0	0	0	1	0	0	0	0	1	2000
10333	168	333.1	4008	0	0	0	0	0	0	1	0	0	0	0	0	2000
10367	168	383.9	35525	0	0	0	0	0	0	0	1	0	0	0	0	2000
10268	168	412.3	52753	0	0	0	0	0	0	0	1	0	0	0	0	2000
10319	168	405.8	52147	0	0	0	0	0	0	0	1	0	0	0	0	2000
10351	168	424.3	63503	0	0	0	0	0	0	0	1	0	0	0	0	2000
10246	168	451.8	16172	0	0	0	0	0	0	0	1	0	0	0	0	2000
10004	168	396.9	45858	0	0	0	0	0	0	0	0	1	0	0	0	2000
10098	168	382.8	34021	0	0	0	0	0	0	0	0	1	0	0	0	2000
9897	146	373.3	30430	0	0	0	0	0	0	0	0	1	0	0	0	2000
*11997	31	354.7	18614	0	0	0	0	0	0	0	0	0	1	0	1	2000
9792	169	405.4	55285	0	0	0	0	0	0	0	0	0	1	0	0	2000
9653	168	394.9	46968	0	0	0	0	0	0	0	0	0	0	1	0	2000
9634	168	423.4	64160	0	0	0	0	0	0	0	0	0	0	1	0	2000
9681	168	472.9	34118	0	0	0	0	0	0	0	0	0	0	1	0	2000
9679	168	444.9	14439	0	0	0	0	0	0	0	0	0	0	1	0	2000
9858	168	507.0	60458	0	0	0	0	0	0	0	0	0	0	0	0	2000
9326	168	498.9	54553	0	0	0	0	0	0	0	0	0	0	0	0	2000
9835	168	488.4	45274	0	0	0	0	0	0	0	0	0	0	0	0	2000
9945	168	446.4	21276	0	0	0	0	0	0	0	0	0	0	0	0	2000
9230	24	511.0	64514	0	0	0	0	0	0	0	0	0	0	0	0	2000
9667	168	504.2	58746	1	0	0	0	0	0	0	0	0	0	0	0	2001
9584	168	484.4	43398	1	0	0	0	0	0	0	0	0	0	0	0	2001
10154	168	412.0	54289	1	0	0	0	0	0	0	0	0	0	0	0	2001
9922	168	457.3	18662	1	0	0	0	0	0	0	0	0	0	0	0	2001
10171	168	430.4	64453	0	1	0	0	0	0	0	0	0	0	0	0	2001
10218	168	290.4	35743	0	1	0	0	0	0	0	0	0	0	0	0	2001
9958	168	370.0	28222	0	1	0	0	0	0	0	0	0	0	0	0	2001
9771	168	501.5	55221	0	1	0	0	0	0	0	0	0	0	0	0	2001
9860	168	494.5	49242	0	0	1	0	0	0	0	0	0	0	0	0	2001
9951	168	503.4	57060	0	0	1	0	0	0	0	0	0	0	0	0	2001
9862	168	478.0	34809	0	0	1	0	0	0	0	0	0	0	0	0	2001
9782	168	474.5	34884	0	0	1	0	0	0	0	0	0	0	0	0	2001
10118	167	358.1	14508	0	0	1	0	0	0	0	0	0	0	0	0	2001
9880	168	485.4	44053	0	0	0	1	0	0	0	0	0	0	0	0	2001
9909	165	487.9	46353	0	0	0	1	0	0	0	0	0	0	0	0	2001
9752	83	477.5	39176	0	0	0	1	0	0	0	0	0	0	0	1	2001
9675	119	499.6	56318	0	0	0	1	0	0	0	0	0	0	0	0	2001
10735	100	337.2	4161	0	0	0	0	1	0	0	0	0	0	0	1	2001
10620	138	359.8	26279	0	0	0	0	1	0	0	0	0	0	0	1	2001

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
10466	168	361.4	27590	0	0	0	0	1	0	0	0	0	0	0	0	2001
10620	168	308.8	58946	0	0	0	0	1	0	0	0	0	0	0	0	2001
10310	168	366.4	30914	0	0	0	0	0	1	0	0	0	0	0	0	2001
10154	168	419.2	539	0	0	0	0	0	1	0	0	0	0	0	0	2001
10123	168	410.3	59692	0	0	0	0	0	1	0	0	0	0	0	0	2001
10120	144	377.2	38663	0	0	0	0	0	1	0	0	0	0	0	0	2001
11079	164	253.2	25541	0	0	0	0	0	0	1	0	0	0	0	0	2001
10434	168	309.1	60181	0	0	0	0	0	0	1	0	0	0	0	0	2001
10552	168	308.2	57091	0	0	0	0	0	0	1	0	0	0	0	0	2001
10439	168	339.1	8418	0	0	0	0	0	0	1	0	0	0	0	0	2001
10225	168	329.8	1405	0	0	0	0	0	0	0	1	0	0	0	0	2001
10455	168	382.2	33459	0	0	0	0	0	0	0	1	0	0	0	0	2001
10358	168	384.8	36588	0	0	0	0	0	0	0	1	0	0	0	0	2001
10397	168	357.6	20193	0	0	0	0	0	0	0	1	0	0	0	0	2001
10702	168	304.0	50137	0	0	0	0	0	0	0	1	0	0	0	0	2001
10737	168	290.8	36039	0	0	0	0	0	0	0	0	1	0	0	0	2001
10314	168	346.9	9632	0	0	0	0	0	0	0	0	1	0	0	0	2001
10184	168	388.8	42316	0	0	0	0	0	0	0	0	1	0	0	0	2001
9974	168	445.2	12532	0	0	0	0	0	0	0	0	1	0	0	0	2001
10015	144	409.1	52841	0	0	0	0	0	0	0	0	0	1	0	1	2001
9727	168	485.0	42862	0	0	0	0	0	0	0	0	0	1	0	0	2001
9897	168	486.3	44147	0	0	0	0	0	0	0	0	0	1	0	0	2001
9853	168	479.1	39032	0	0	0	0	0	0	0	0	0	1	0	0	2001
9941	169	459.0	27122	0	0	0	0	0	0	0	0	0	1	0	0	2001
10062	168	428.4	6319	0	0	0	0	0	0	0	0	0	0	1	0	2001
9869	168	508.7	62133	0	0	0	0	0	0	0	0	0	0	1	0	2001
9944	97	501.2	57404	0	0	0	0	0	0	0	0	0	0	1	0	2001
10137	103	476.6	36852	0	0	0	0	0	0	0	0	0	0	1	1	2001
9991	168	492.6	46440	0	0	0	0	0	0	0	0	0	0	0	0	2001
10071	168	460.6	25255	0	0	0	0	0	0	0	0	0	0	0	0	2001
9815	146	493.0	48508	0	0	0	0	0	0	0	0	0	0	0	0	2001
10167	87	471.0	37357	0	0	0	0	0	0	0	0	0	0	0	1	2001
9956	24	509.6	63111	0	0	0	0	0	0	0	0	0	0	0	0	2001
9342	168	507.9	61328	1	0	0	0	0	0	0	0	0	0	0	0	2002
9578	123	465.4	30083	1	0	0	0	0	0	0	0	0	0	0	1	2002
9451	95	475.9	36492	1	0	0	0	0	0	0	0	0	0	0	0	2002
*14436	46	188.2	51440	0	0	0	1	0	0	0	0	0	0	0	1	2002
10514	151	392.5	37160	0	0	0	1	0	0	0	0	0	0	0	0	2002
10389	168	428.1	1577	0	0	0	1	0	0	0	0	0	0	0	0	2002
10568	100	356.8	21145	0	0	0	0	1	0	0	0	0	0	0	1	2002
10235	168	416.3	58174	0	0	0	0	1	0	0	0	0	0	0	0	2002
10110	168	351.7	12783	0	0	0	0	1	0	0	0	0	0	0	0	2002
10202	168	378.9	34204	0	0	0	0	1	0	0	0	0	0	0	0	2002
10270	167	378.6	32518	0	0	0	0	1	0	0	0	0	0	0	0	2002
10266	168	388.2	40055	0	0	0	0	0	1	0	0	0	0	0	0	2002
10152	168	376.0	32370	0	0	0	0	0	1	0	0	0	0	0	0	2002
10193	164	383.6	40772	0	0	0	0	0	1	0	0	0	0	0	0	2002

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
10271	144	369.9	29397	0	0	0	0	0	1	0	0	0	0	0	0	2002

Data Base for DANIEL 2 Target Heat Rate Equation

HR	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shutdown for 24 hours or more, in BTU/KWH.
HOUR	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
JAN to NOV	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of unit start ups during the week after being shut down for 24 hours or more.
YEAR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Calculation of
Target Average Net Operating Heat Rates
for January 2003 - December 2003

Unit	Month	(1) Forecast AKW * 10^3	(2) Forecast LSRF * 10^6	(3) Forecast Monthly ANOHR	(4) Forecast AKW * 10^3 Generation	(5) Weighted ANOHR Target
CRIST 4	Jan '03	63.8	4,291	10,538	46,150	
	Feb '03	65.6	4,509	10,475	42,585	
	Mar '03	66.0	4,557	10,611	44,581	
	Apr '03	67.1	4,691	10,427	46,799	
	May '03	62.0	4,074	10,607	45,263	
	Jun '03	65.4	4,485	10,483	46,427	
	Jul '03	65.9	4,545	10,464	44,977	
	Aug '03	66.4	4,606	10,733	45,390	
	Sep '03	67.3	4,716	10,422	29,827	
	Oct '03	58.0	3,596	10,790	14,684	
	Nov '03	59.1	3,727	10,735	37,689	
	Dec '03	55.0	3,240	10,953	39,355	10,591
CRIST 5	Jan '03	66.5	4,579	10,392	47,652	
	Feb '03	68.5	4,830	10,333	44,554	
	Mar '03	68.1	4,780	10,345	43,707	
	Apr '03	69.0	4,894	10,319	45,606	
	May '03	63.3	4,189	10,494	44,711	
	Jun '03	67.2	4,666	10,608	46,681	
	Jul '03	69.5	4,958	10,305	50,256	
	Aug '03	69.4	4,945	10,488	50,190	
	Sep '03	68.5	4,830	10,333	42,662	
	Oct '03	66.1	4,530	10,142	34,584	
	Nov '03	56.3	3,387	10,757	14,291	
	Dec '03	58.3	3,609	10,675	42,005	10,418
CRIST 6	Jan '03	250.6	67,550	10,447	178,451	
	Feb '03	259.7	71,695	10,424	167,012	
	Mar '03	262.5	72,984	10,419	6,036	
	Apr '03	261.3	72,431	10,421	161,982	
	May '03	234.9	60,556	10,501	145,896	
	Jun '03	250.3	67,414	10,602	172,435	
	Jul '03	259.9	71,787	10,592	185,046	
	Aug '03	262.1	72,799	10,599	186,624	
	Sep '03	263.4	73,400	10,417	163,554	
	Oct '03	252.5	68,410	10,442	162,626	
	Nov '03	238.7	62,230	10,486	164,495	
	Dec '03	223.8	55,731	10,553	159,354	10,501

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

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

Calculation of
Target Average Net Operating Heat Rates
for January 2003 - December 2003

Unit	Month	(1) Forecast AKW * 10^3	(2) Forecast LSRF * 10^6	(3) Forecast Monthly ANOHR	(4) Forecast AKW * 10^3 Generation	(5) Weighted ANOHR Target
CRIST 7	Jan '03	470.9	221,822	10,124	316,914	
	Feb '03	473.5	223,749	10,119	287,918	
	Mar '03	471.8	222,488	9,679	286,847	
	Apr '03	460.6	214,213	10,141	40,069	
	May '03	417.0	182,489	10,089	217,234	
	Jun '03	454.2	209,507	10,152	295,689	
	Jul '03	465.0	217,458	10,396	312,912	
	Aug '03	468.6	220,119	10,289	315,340	
	Sep '03	460.2	213,918	10,290	249,433	
	Oct '03	471.4	222,192	10,220	287,071	
	Nov '03	463.8	216,572	10,135	301,915	
	Dec '03	464.8	217,310	10,134	312,832	10,150
SMITH 1	Jan '03	160.9	26,142	9,969	117,937	
	Feb '03	161.4	26,291	9,955	106,853	
	Mar '03	160.9	26,142	10,048	106,490	
	Apr '03	161.4	26,291	10,046	38,099	
	May '03	150.2	23,059	10,094	71,051	
	Jun '03	158.0	25,286	10,121	111,995	
	Jul '03	160.1	25,904	10,052	117,344	
	Aug '03	160.7	26,082	10,049	117,766	
	Sep '03	161.4	26,291	9,982	114,457	
	Oct '03	161.4	26,291	10,046	118,441	
	Nov '03	159.7	25,786	9,965	105,751	
	Dec '03	159.9	25,845	10,052	90,673	10,029
SMITH 2	Jan '03	171.6	30,580	9,933	12,010	
	Feb '03	0.0	0	-	0	
	Mar '03	0.0	0	-	0	
	Apr '03	182.8	33,697	10,000	88,460	
	May '03	168.2	29,629	10,060	112,547	
	Jun '03	176.7	32,002	10,132	122,310	
	Jul '03	181.8	33,420	10,205	130,006	
	Aug '03	182.9	33,725	10,116	130,797	
	Sep '03	185.4	34,418	10,109	128,315	
	Oct '03	184.1	34,058	10,113	101,969	
	Nov '03	178.0	32,364	10,128	114,989	
	Dec '03	178.6	32,531	10,127	127,667	10,113

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

Column (5) = $(\Sigma ((4) * (5))) / (\Sigma (5))$

Calculation of
Target Average Net Operating Heat Rates
for January 2003 - December 2003

Unit	Month	(1) Forecast AKW * 10^3	(2) Forecast LSRF * 10^6	(3) Forecast Monthly ANOHR	(4) Forecast AKW * 10^3 Generation	(5) Weighted ANOHR Target
DANIEL 1	Jan '03	479.0	233,299	9,945	53,650	
	Feb '03	0.0	0	-	0	
	Mar '03	437.9	202,886	10,086	10,071	
	Apr '03	500.9	249,993	9,866	301,054	
	May '03	437.2	202,379	10,089	302,107	
	Jun '03	477.0	231,791	9,952	319,095	
	Jul '03	494.1	244,773	10,263	341,395	
	Aug '03	497.9	247,686	10,123	344,071	
	Sep '03	501.5	250,455	10,084	324,466	
	Oct '03	501.3	250,301	9,864	335,852	
	Nov '03	492.1	243,244	10,079	329,209	
	Dec '03	447.7	210,029	10,053	309,383	10,042
DANIEL 2	Jan '03	503.2	252,764	9,587	347,722	
	Feb '03	509.3	257,522	9,614	317,809	
	Mar '03	505.8	254,788	9,813	315,612	
	Apr '03	508.1	256,583	9,804	338,935	
	May '03	439.7	205,085	10,071	303,802	
	Jun '03	482.3	236,697	9,901	322,191	
	Jul '03	498.9	249,428	9,838	344,749	
	Aug '03	504.1	253,464	9,819	348,321	
	Sep '03	508.4	256,818	9,659	306,042	
	Oct '03	501.3	251,288	9,829	89,730	
	Nov '03	492.7	244,646	9,702	230,592	
	Dec '03	497.4	248,268	9,844	343,723	9,789

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

Column (5) = $(\Sigma ((4)*(5))) / (\Sigma (5))$

Summary of Target, Maximum, and Minimum
Average Net Operating Heat Rates
for January 2003 - December 2003

Unit	Target Heat Rate BTU/KWH (0 Points)	Minimum Attainable Heat Rate (+ 10 Points)	Maximum Attainable Heat Rate (- 10 Points)
CRIST 4	10,591	10,273	10,909
CRIST 5	10,418	10,105	10,731
CRIST 6	10,501	10,186	10,816
CRIST 7	10,150	9,846	10,455
SMITH 1	10,029	9,728	10,330
SMITH 2	10,113	9,810	10,416
DANIEL 1	10,042	9,741	10,343
DANIEL 2	9,789	9,495	10,083

II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
Target Equivalent Availabilities
for January 2003 - December 2003

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR *	Planned Outage Hours for Jan '03 - Dec '03	Reserve Shutdown Hours for Jan '03 - Dec '03	Target Equivalent Availability **
Crist 4	0.0284	552	392	91.2
Crist 5	0.0426	553	236	89.8
Crist 6	0.0810	720	0	84.3
Crist 7	0.1344	719	0	79.5
Smith 1	0.0256	960	0	86.8
Smith 2	0.0589	2,448	0	67.8
Daniel 1	0.0890	2,016	0	70.1
Daniel 2	0.0950	721	0	83.0

* For Period July 1997 Through June 2002.

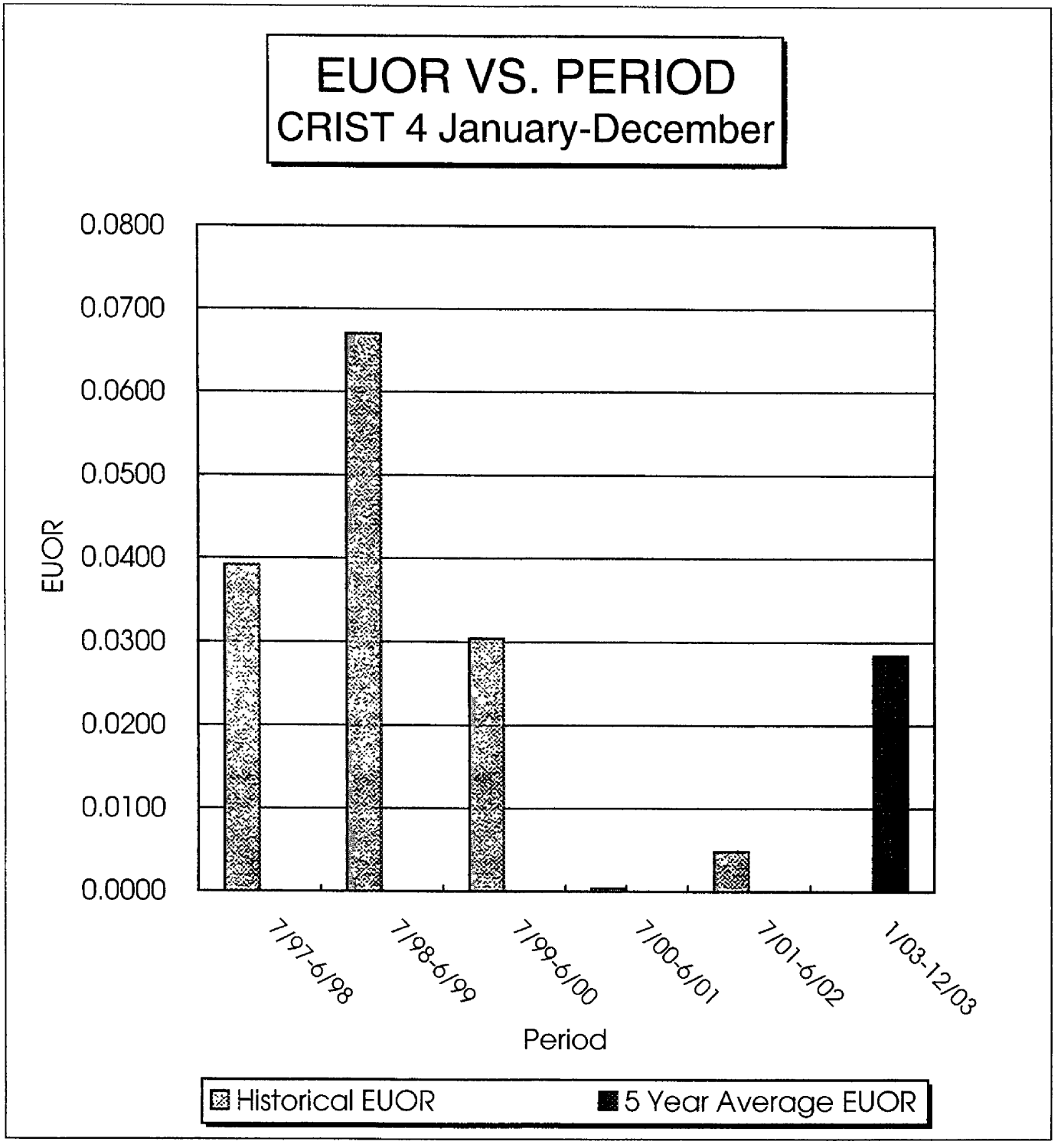
** EA = [1 - (POH + EUOR * (PH - POH - RSH)) / PH] * 100

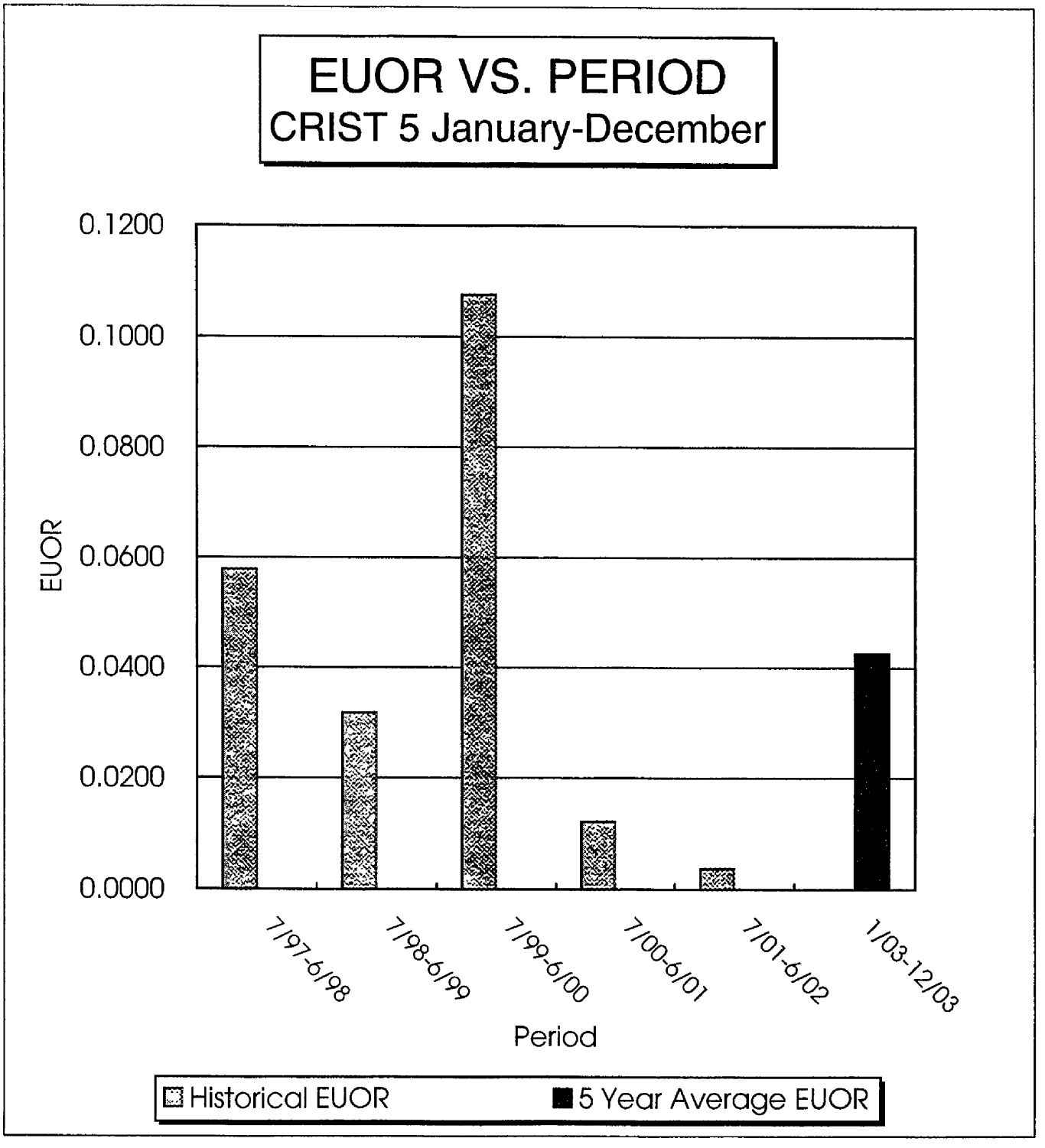
Calculation of Maximum and Minimum
Attainable Equivalent Availabilities
for January 2003 - December 2003

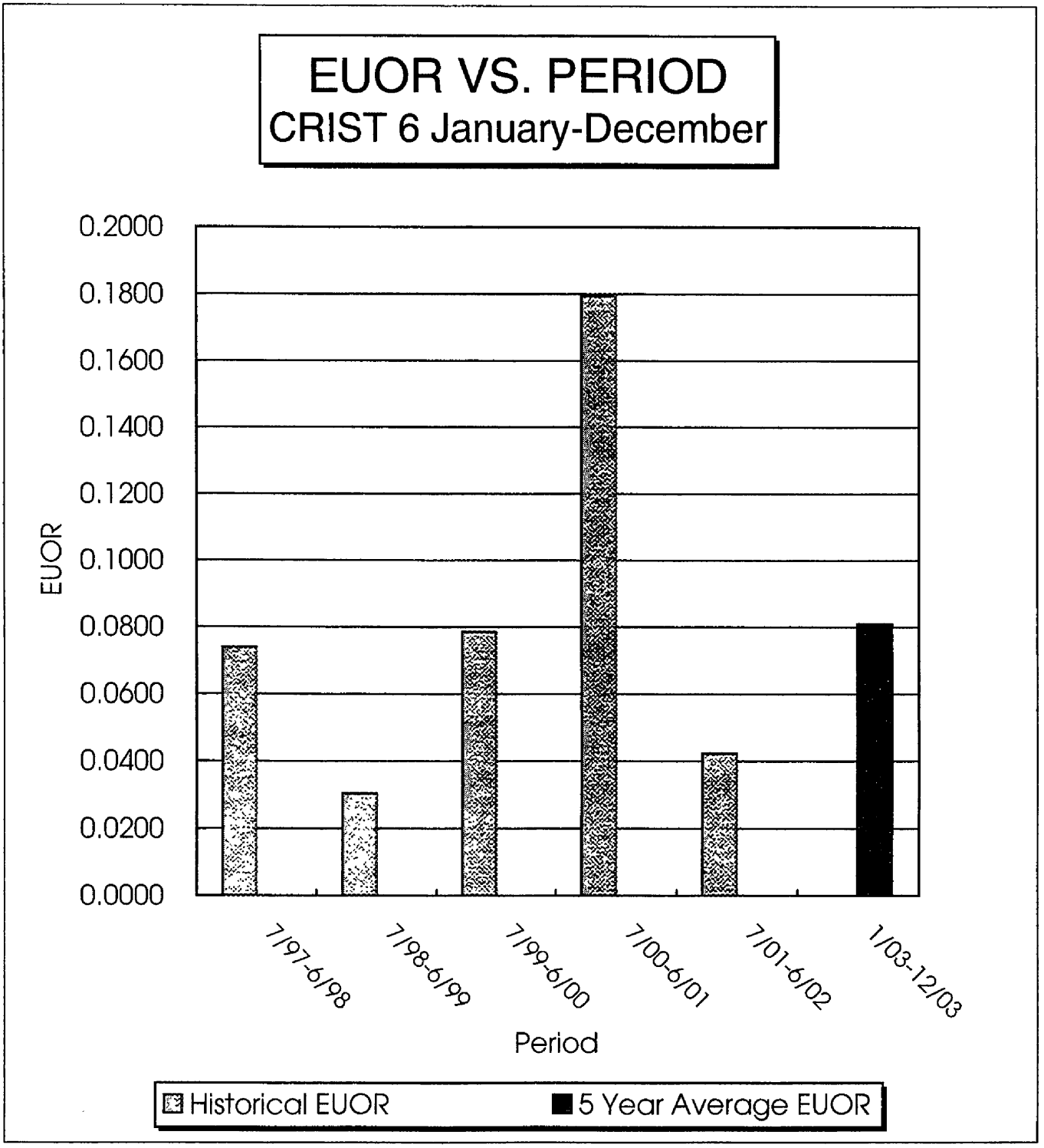
Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR (TARGET EUOR)	Minimum Attainable EUOR 70% of Target EUOR	Maximum Attainable Equivalent Availability	Maximum Attainable EUOR 145% of Target EUOR	Minimum Attainable Equivalent Availability
Crist 4	0.0284	0.0199	91.9	0.0412	90.0
Crist 5	0.0426	0.0298	91.0	0.0618	88.1
Crist 6	0.0810	0.0567	86.6	0.1175	81.0
Crist 7	0.1344	0.0941	83.2	0.1949	73.9
Smith 1	0.0256	0.0179	87.4	0.0371	85.7
Smith 2	0.0589	0.0412	69.1	0.0854	65.9
Daniel 1	0.0890	0.0623	72.2	0.1291	67.0
Daniel 2	0.0950	0.0665	85.7	0.1378	79.1

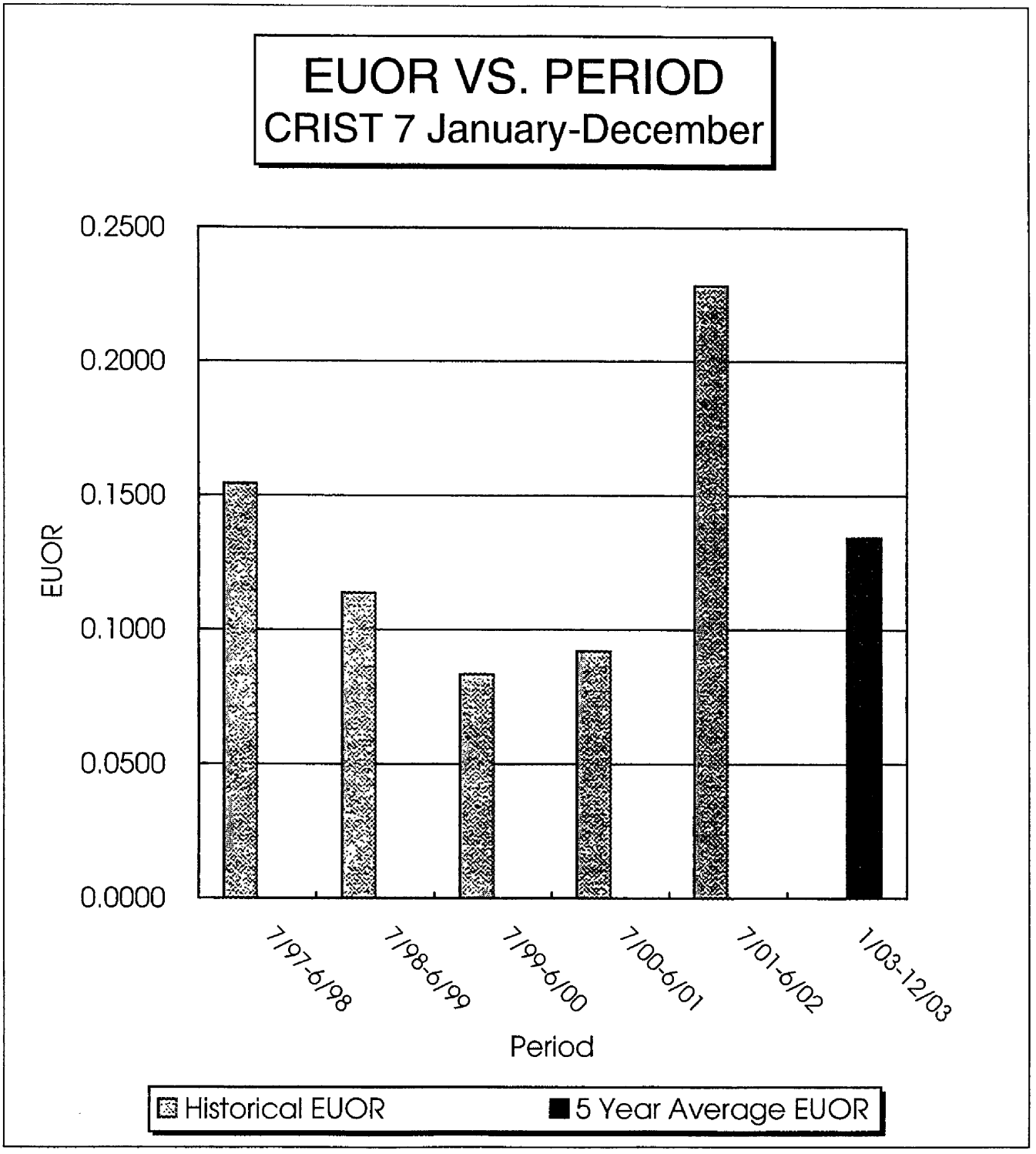
Summary of Target, Maximum, and Minimum
Equivalent Availabilities
for January 2003 - December 2003

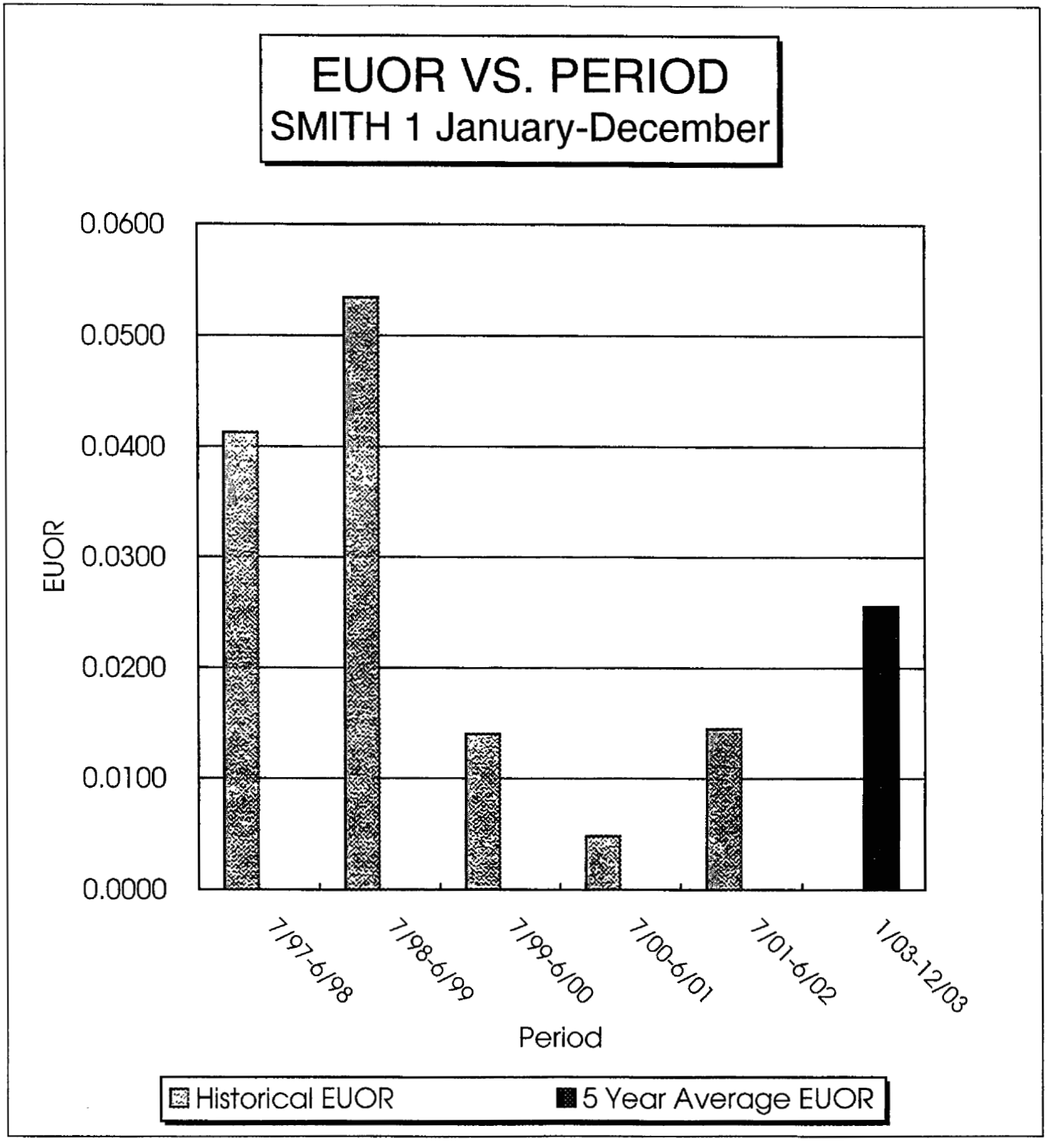
Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Crist 4	91.2	91.9	90.0
Crist 5	89.8	91.0	88.1
Crist 6	84.3	86.6	81.0
Crist 7	79.5	83.2	73.9
Smith 1	86.8	87.4	85.7
Smith 2	67.8	69.1	65.9
Daniel 1	70.1	72.2	67.0
Daniel 2	83.0	85.7	79.1

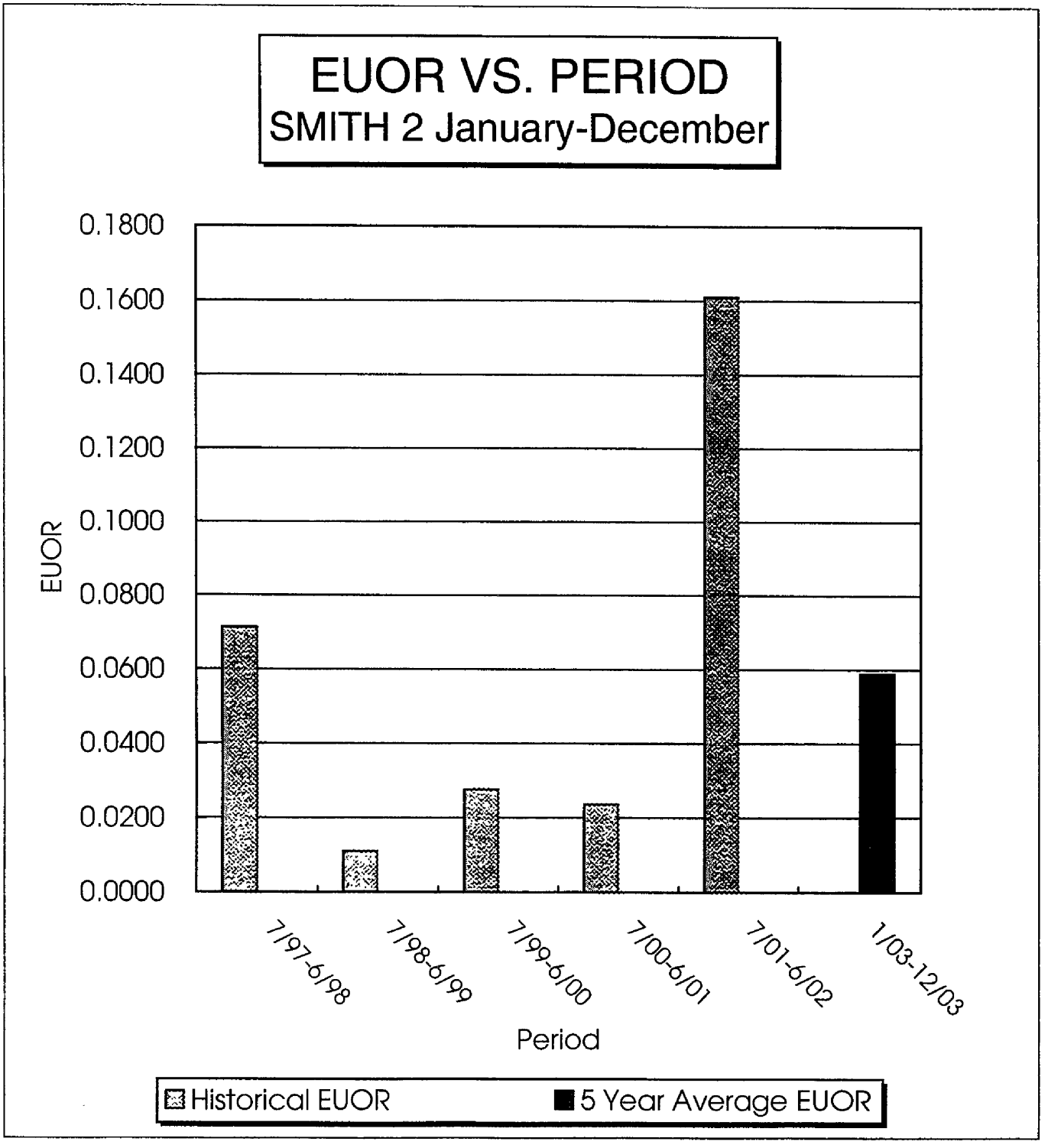

EUOR VS. PERIOD
CRIST 4 January-December
0.0800
0.0700
0.0600
0.0500
0.0400
0.0300
0.0200
0.0100
0.0000
EUOR
7/97-6/98
7/98-6/99
7/99-6/00
7/00-6/01
7/01-6/02
1/03-12/03
Period
Historical EUOR
5 Year Average EUOR

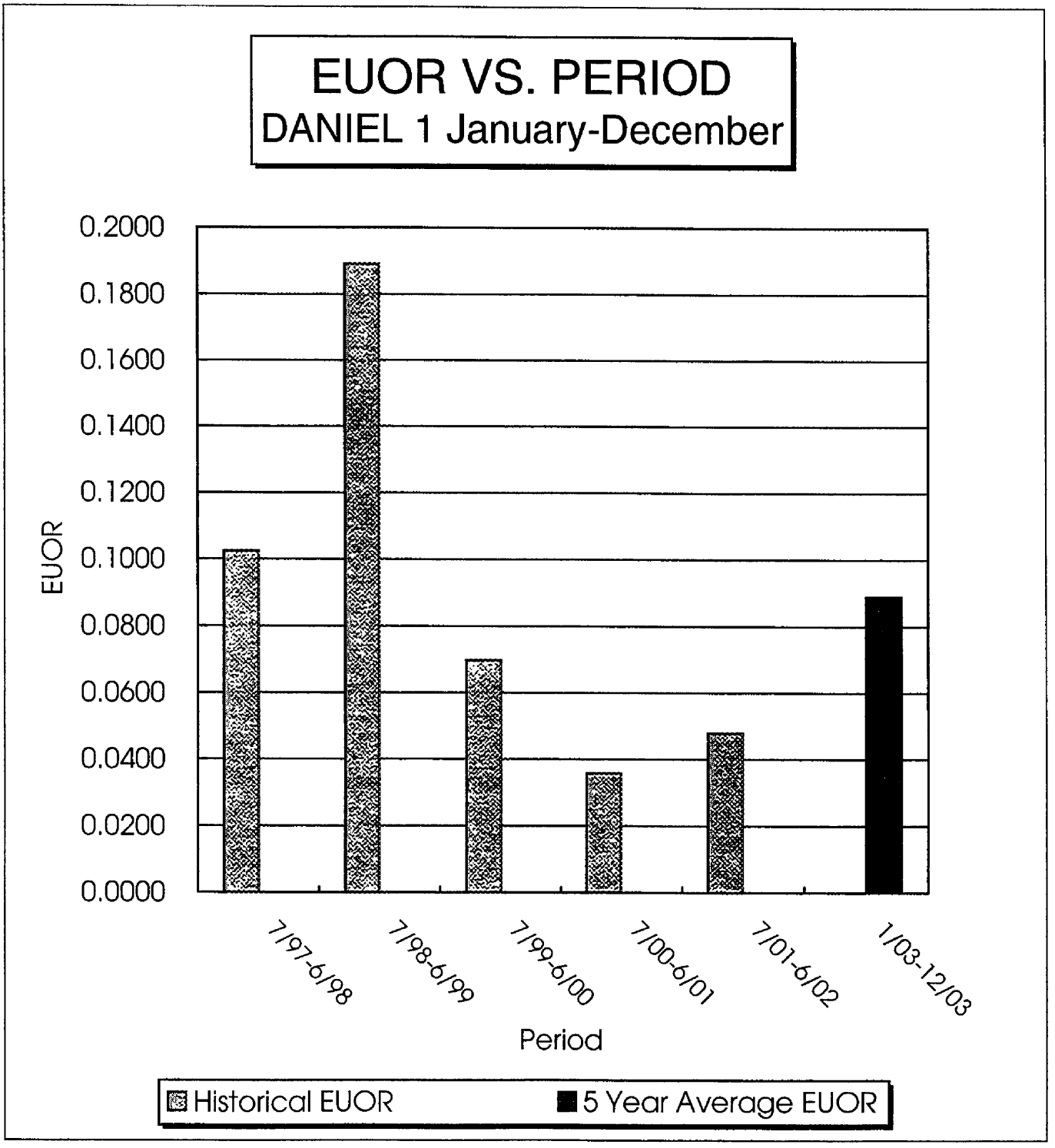

EUOR VS. PERIOD
CRIST 5 January-December
0.1200
0.1000
0.0800
0.0600
0.0400
0.0200
0.0000
EUOR
7/97-6/98
7/98-6/99
7/99-6/00
7/00-6/01
7/01-6/02
1/03-12/03
Period
Historical EUOR
5 Year Average EUOR

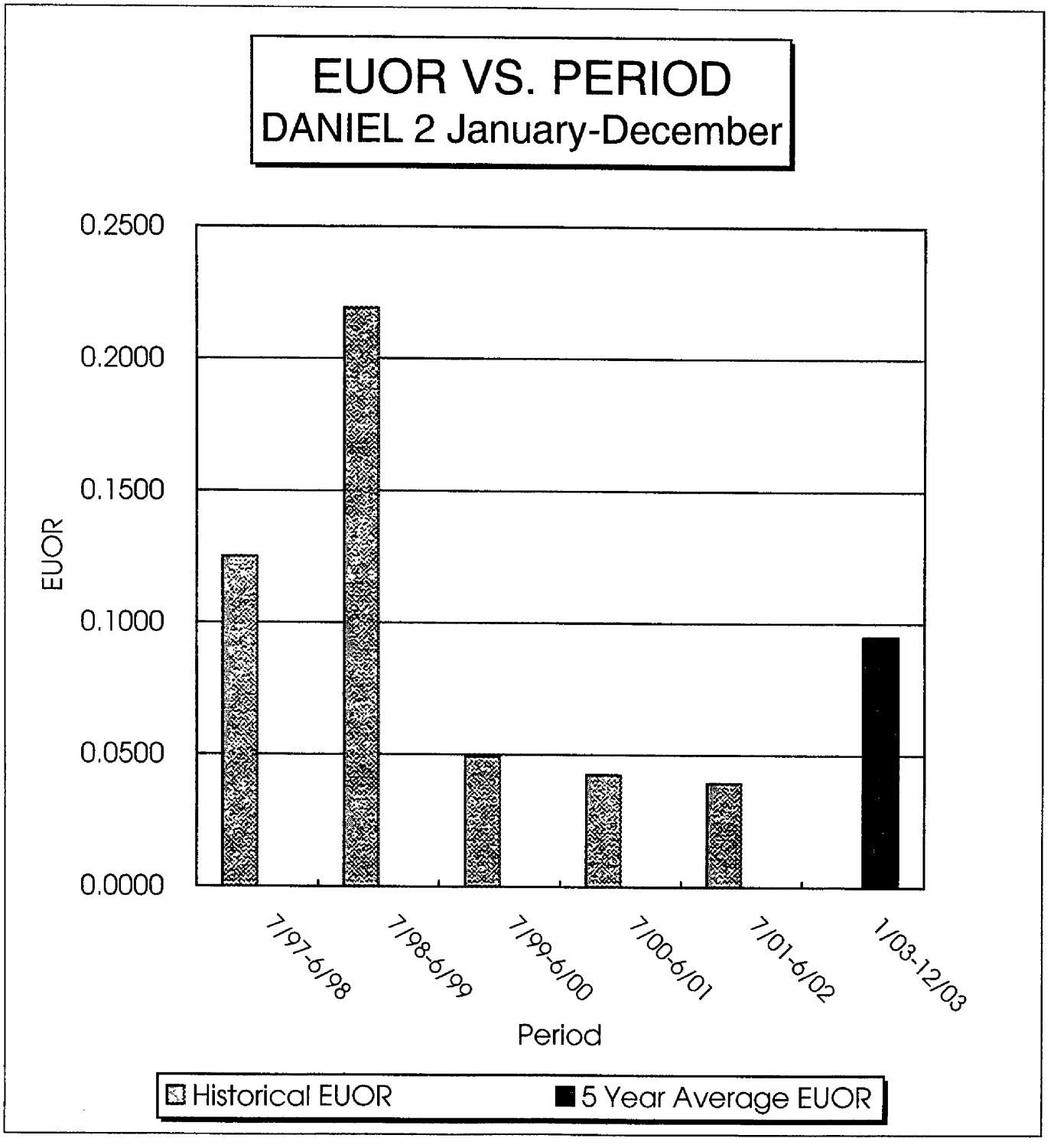

EUOR VS. PERIOD
CRIST 6 January-December
0.2000
0.1800
0.1600
0.1400
0.1200
0.1000
0.0800
0.0600
0.0400
0.0200
0.0000
EUOR
7/97-6/98
7/98-6/99
7/99-6/00
7/00-6/01
7/01-6/02
1/03-12/03
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
CRIST 7 January-December
0.2500
0.2000
0.1500
0.1000
0.0500
0.0000
EUOR
7/97-6/98
7/98-6/99
7/99-6/00
7/00-6/01
7/01-6/02
1/03-12/03
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
SMITH 1 January-December
0.0600
0.0500
0.0400
0.0300
0.0200
0.0100
0.0000
EUOR
7/97-6/98
7/98-6/99
7/99-6/00
7/00-6/01
7/01-6/02
1/03-12/03
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
SMITH 2 January-December
0.1800
0.1600
0.1400
0.1200
0.1000
0.0800
0.0600
0.0400
0.0200
0.0000
EUOR
7/97-6/98
7/98-6/99
7/99-6/00
7/00-6/01
7/01-6/02
1/03-12/03
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
DANIEL 1 January-December
0.2000
0.1800
0.1600
0.1400
0.1200
0.1000
0.0800
0.0600
0.0400
0.0200
0.0000
EUOR
7/97-6/98
7/98-6/99
7/99-6/00
7/00-6/01
7/01-6/02
1/03-12/03
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
DANIEL 2 January-December
0.2500
0.2000
0.1500
0.1000
0.0500
0.0000
EUOR
7/97-6/98
7/98-6/99
7/99-6/00
7/00-6/01
7/01-6/02
1/03-12/03
Period
Historical EUOR
5 Year Average EUOR

III. GPIF MINIMUM FILING REQUIREMENTS FOR THE PERIOD JANUARY 2003 - DECEMBER 2003

CONTENTS

Generating Performance Incentive Factor

Estimated Reward/Penalty Table

Gulf Power Company

Period of: January 2003 - December 2003

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	5880	2139
+ 9	5292	1925
+ 8	4704	1711
+ 7	4116	1497
+ 6	3528	1283
+ 5	2940	1070
+ 4	2352	856
+ 3	1764	642
+ 2	1176	428
+ 1	588	214
0	0	0
- 1	-666	-214
- 2	-1331	-428
- 3	-1997	-642
- 4	-2662	-856
- 5	-3328	-1070
- 6	-3993	-1283
- 7	-4659	-1497
- 8	-5324	-1711
- 9	-5990	-1925
- 10	-6655	-2139
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

Generating Performance Incentive Factor

Calculation of Maximum Allowed Incentive Dollars

Estimated

Gulf Power Company

Period of: January 2003 - December 2003

Line 1	Beginning of Period Balance of Common Equity	$548,270,000
	End of Month Balance of Common Equity:	
Line 2	Month of Jan '03	$555,223,000
Line 3	Month of Feb '03	$540,479,000
Line 4	Month of Mar '03	$542,893,000
Line 5	Month of Apr '03	$526,232,000
Line 6	Month of May '03	$531,961,000
Line 7	Month of Jun '03	$542,065,000
Line 8	Month of Jul '03	$535,705,000
Line 9	Month of Aug '03	$547,693,000
Line 10	Month of Sep '03	$555,339,000
Line 11	Month of Oct '03	$540,863,000
Line 12	Month of Nov '03	$542,028,000
Line 13	Month of Dec '03	$558,417,000
Line 14	Average Common Equity for the Period (sum of line 1 through line 13 divided by 13)	$543,628,308
Line 15	25 Basis Points	0.0025
Line 16	Revenue Expansion Factor	61.3808%
Line 17	Maximum Allowed Incentive Dollars (line 14 multiplied by line 15 divided by line 16 multiplied by 1.0)	$2,214,163
Line 18	Jurisdictional Sales (KWH)	10,337,091,000
Line 19	Total Territorial Sales (KWH)	10,699,566,000
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)	96.6122%
Line 21	Maximum Allowed Jurisdictional Incentive Dollar (line 17 multiplied by line 20)	$2,139,152

GPIF Unit Performance Summary

Gulf Power Company

Period of: January 2003 - December 2003

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range Max %	EAF Range Min %	Max Fuel Savings ($000)	Max Fuel Loss ($000)
Crist 4	0.1%	91.2	91.9	90.0	$6	($9)
Crist 5	0.2%	89.8	91.0	88.1	$12	($23)
Crist 6	1.3%	84.3	86.6	81.0	$76	($117)
Crist 7	8.4%	79.5	83.2	73.9	$491	($764)
Smith 1	0.5%	86.8	87.4	85.7	$32	($62)
Smith 2	1.8%	67.8	69.1	65.9	$105	($145)
Daniel 1	7.6%	70.1	72.2	67.0	$445	($644)
Daniel 2	7.6%	83.0	85.7	79.1	$445	($623)

Plant & Unit	Weighting Factor %	ANOHR Target BTU/KWH	Target NOF	ANOHR Range Min BTU/KWH	ANOHR Range Max BTU/KWH	Max Fuel Savings ($000)	Max Fuel Loss ($000)
Crist 4	3.0%	10,591	81.6	10,273	10,909	$179	($179)
Crist 5	3.1%	10,418	83.0	10,105	10,731	$181	($181)
Crist 6	9.9%	10,501	83.0	10,186	10,816	$583	($583)
Crist 7	20.5%	10,150	97.0	9,846	10,455	$1,204	($1,204)
Smith 1	8.7%	10,029	98.7	9,728	10,330	$510	($510)
Smith 2	6.8%	10,113	95.0	9,810	10,416	$401	($401)
Daniel 1	9.7%	10,042	95.2	9,741	10,343	$570	($570)
Daniel 2	10.9%	9,789	96.4	9,495	10,083	$640	($640)

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2003 - December 2003

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target			Actual Performance 1st Prior Period Jul '01 - Jun '02			Actual Performance 2nd Prior Period Jul '00 - Jun '01		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 4	0.1%	0.4%	0.0630	0.0253	0.0284	0.1009	0.0032	0.0048	0.1868	0.0003	0.0004
Crist 5	0.2%	0.7%	0.0631	0.0388	0.0426	0.1123	0.0024	0.0037	0.0372	0.0106	0.0121
Crist 6	1.3%	4.7%	0.0822	0.0743	0.0810	0.1562	0.0356	0.0423	0.1102	0.1580	0.1795
Crist 7	8.4%	30.5%	0.0821	0.1233	0.1344	0.1454	0.1952	0.2284	0.1224	0.0808	0.0920
Smith 1	0.5%	2.0%	0.1096	0.0227	0.0256	0.1105	0.0128	0.0145	0.0759	0.0044	0.0048
Smith 2	1.8%	6.5%	0.2795	0.0425	0.0589	0.1490	0.1303	0.1610	0.0920	0.0216	0.0237
Daniel 1	7.6%	27.6%	0.2301	0.0685	0.0890	0.0224	0.0466	0.0479	0.1153	0.0318	0.0359
Daniel 2	7.6%	27.6%	0.0823	0.0872	0.0950	0.2329	0.0291	0.0393	0.1167	0.0374	0.0424
Weighted GPIF System Average:			0.1362	0.0876	0.1003	0.1352	0.0908	0.1065	0.1150	0.0527	0.0598

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2003 - December 2003

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Jul '99 - Jun '00			Actual Performance 4th Prior Period Jul '98 - Jun '99			Actual Performance 5th Prior Period Jul '97 - Jun '98		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 4	0.1%	0.4%	0.0974	0.0266	0.0304	0.0435	0.0512	0.0670	0.1851	0.0263	0.0392
Crist 5	0.2%	0.7%	0.2874	0.0745	0.1076	0.0193	0.0297	0.0318	0.0658	0.0526	0.0579
Crist 6	1.3%	4.7%	0.0768	0.0281	0.0305	0.1549	0.0593	0.0739	0.0273	0.0363	0.0424
Crist 7	8.4%	30.5%	0.0888	0.1072	0.1177	0.0721	0.1426	0.1545	0.1595	0.0985	0.1238
Smith 1	0.5%	2.0%	0.2058	0.0417	0.0526	0.0468	0.0394	0.0413	0.0647	0.0165	0.0179
Smith 2	1.8%	6.5%	0.0583	0.0103	0.0110	0.2248	0.0547	0.0713	0.0669	0.0181	0.0197
Daniel 1	7.6%	27.6%	0.2959	0.1352	0.1920	0.1325	0.0889	0.1025	0.1143	0.0817	0.0922
Daniel 2	7.6%	27.6%	0.2633	0.1614	0.2191	0.0235	0.1221	0.1251	0.0995	0.0468	0.0519
Weighted GPIF System Average:			0.1954	0.1180	0.1534	0.0882	0.1092	0.1193	0.1157	0.0692	0.0817

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Average Net Operating Heat Rate

Gulf Power Company

Period of: January 2003 - December 2003

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Heat Rate Target	1st Prior Period Heat Rate Jul '01 - Jun '02	2nd Prior Period Heat Rate Jul '00 - Jun '01	3rd Prior Period Heat Rate Jul '99 - Jun '00
Crist 4	3.0%	4.2%	10,591	10,726	10,593	10,617
Crist 5	3.1%	4.2%	10,418	10,314	10,314	10,499
Crist 6	9.9%	13.7%	10,501	10,579	10,607	10,376
Crist 7	20.5%	28.2%	10,150	10,123	10,253	10,095
Smith 1	8.7%	11.9%	10,029	10,095	10,008	10,007
Smith 2	6.8%	9.4%	10,113	8,615	10,147	10,153
Daniel 1	9.7%	13.4%	10,042	10,021	10,093	10,027
Daniel 2	10.9%	15.0%	9,789	9,794	9,758	9,694
Weighted GPIF System Average:			10,141	10,011	10,183	10,098

Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 6 Jul '00 - Jun '01

	Jul Jan	Aug Feb	Sep Mar	Oct Apr	Nov May	Dec Jun
1. Target Heat Rate*	10592.0 10447.0	10599.0 10424.0	10417.0 10419.0	10442.0 10421.0	10486.0 10501.0	10553.0 10602.0
2. Target Heat Rate at Actual Conditions**	10691.0 10590.0	10708.0 10381.0	10705.0 10390.0	10618.0 0.0	10465.0 11137.0	10416.0 10928.0
3. Adjustments to Actual Heat Rate (1-2)	-99.0 -143.0	-109.0 43.0	-288.0 29.0	-176.0 10421.0	21.0 -636.0	137.0 -326.0
4. Actual Heat Rate for Prior Period	10595.0 10670.0	10620.0 10574.0	10855.0 10874.0	10698.0 0.0	10938.0 11259.0	10559.0 11075.0
5. Adjusted actual Heat Rate (4+3)	10496.0 10527.0	10511.0 10617.0	10567.0 10903.0	10522.0 10421.0	10959.0 10623.0	10696.0 10749.0
6. Forecast Net MWH Generation*	185045.6 178450.9	186623.6 167012.3	163554.1 6036.4	162625.6 161981.6	164494.6 145895.6	159354.2 172434.6

7. Adjusted Actual Heat Rate for Jul '00 - Jun '01 = (Σ ((5)*(6)))/(Σ (6)) 10,607

* For the January 2003 - December 2003 time period.

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

Derivation of Weighting Factors

Gulf Power Company

Period of: January 2003 - December 2003

Plant & Unit	Unit Performance Indicator	Production Cost Simulation Fuel Cost ($000) At Target (1)	At Maximum Improvement (2)	Savings (3)	Weighting Factor (% of Savings)
Crist 4	EA-1	$244,788	$244,782	$6	0.1%
Crist 4	ANOHR-1	$244,788	$244,609	$179	3.0%
Crist 5	EA-1	$244,788	$244,776	$12	0.2%
Crist 5	ANOHR-1	$244,788	$244,607	$181	3.1%
Crist 6	EA-1	$244,788	$244,712	$76	1.3%
Crist 6	ANOHR-1	$244,788	$244,205	$583	9.9%
Crist 7	EA-2	$244,788	$244,297	$491	8.4%
Crist 7	ANOHR-2	$244,788	$243,584	$1,204	20.5%
Smith 1	EA-3	$244,788	$244,756	$32	0.5%
Smith 1	ANOHR-3	$244,788	$244,278	$510	8.7%
Smith 2	EA-4	$244,788	$244,683	$105	1.8%
Smith 2	ANOHR-4	$244,788	$244,387	$401	6.8%
Daniel 1	EA-5	$244,788	$244,343	$445	7.6%
Daniel 1	ANOHR-5	$244,788	$244,218	$570	9.7%
Daniel 2	EA-6	$244,788	$244,343	$445	7.6%
Daniel 2	ANOHR-6	$244,788	$244,148	$640	10.9%

(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.

Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2003 - December 2003

Crist 4

Equivalent Availability Points	Fuel Savings/ Loss ($000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/ Loss ($000)	Adjusted Actual Heat Rate
+ 10	6	91.90	+ 10	179	10,273
+ 9	5	91.83	+ 9	161	10,297
+ 8	5	91.76	+ 8	143	10,322
+ 7	4	91.69	+ 7	125	10,346
+ 6	4	91.62	+ 6	107	10,370
+ 5	3	91.55	+ 5	90	10,395
+ 4	2	91.48	+ 4	72	10,419
+ 3	2	91.41	+ 3	54	10,443
+ 2	1	91.34	+ 2	36	10,467
+ 1	1	91.27	+ 1	18	10,492
				0	10,516
0	0	91.20	0	0	10,591
				0	10,666
- 1	(1)	91.08	- 1	(18)	10,690
- 2	(2)	90.96	- 2	(36)	10,715
- 3	(3)	90.84	- 3	(54)	10,739
- 4	(4)	90.72	- 4	(72)	10,763
- 5	(5)	90.60	- 5	(90)	10,788
- 6	(5)	90.48	- 6	(107)	10,812
- 7	(6)	90.36	- 7	(125)	10,836
- 8	(7)	90.24	- 8	(143)	10,860
- 9	(8)	90.12	- 9	(161)	10,885
- 10	(9)	90.00	- 10	(179)	10,909
Weighting Factor:		0.001	Weighting Factor:		0.030

Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2003 - December 2003

Crist 5

Equivalent Availability Points	Fuel Savings/ Loss ($000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/ Loss ($000)	Adjusted Actual Heat Rate
+ 10	12	91.00	+ 10	181	10,105
+ 9	11	90.88	+ 9	163	10,129
+ 8	10	90.76	+ 8	145	10,153
+ 7	8	90.64	+ 7	127	10,176
+ 6	7	90.52	+ 6	109	10,200
+ 5	6	90.40	+ 5	91	10,224
+ 4	5	90.28	+ 4	72	10,248
+ 3	4	90.16	+ 3	54	10,272
+ 2	2	90.04	+ 2	36	10,295
+ 1	1	89.92	+ 1	18	10,319
				0	10,343
0	0	89.80	0	0	10,418
				0	10,493
- 1	(2)	89.63	- 1	(18)	10,517
- 2	(5)	89.46	- 2	(36)	10,541
- 3	(7)	89.29	- 3	(54)	10,564
- 4	(9)	89.12	- 4	(72)	10,588
- 5	(12)	88.95	- 5	(91)	10,612
- 6	(14)	88.78	- 6	(109)	10,636
- 7	(16)	88.61	- 7	(127)	10,660
- 8	(18)	88.44	- 8	(145)	10,683
- 9	(21)	88.27	- 9	(163)	10,707
- 10	(23)	88.10	- 10	(181)	10,731
Weighting Factor:		0.002	Weighting Factor:		0.031

Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2003 - December 2003

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	76	86.60	+ 10	583	10,186
+ 9	68	86.37	+ 9	525	10,210
+ 8	61	86.14	+ 8	466	10,234
+ 7	53	85.91	+ 7	408	10,258
+ 6	46	85.68	+ 6	350	10,282
+ 5	38	85.45	+ 5	292	10,306
+ 4	30	85.22	+ 4	233	10,330
+ 3	23	84.99	+ 3	175	10,354
+ 2	15	84.76	+ 2	117	10,378
+ 1	8	84.53	+ 1	58	10,402
				0	10,426
0	0	84.30	0	0	10,501
				0	10,576
- 1	(12)	83.97	- 1	(58)	10,600
- 2	(23)	83.64	- 2	(117)	10,624
- 3	(35)	83.31	- 3	(175)	10,648
- 4	(47)	82.98	- 4	(233)	10,672
- 5	(59)	82.65	- 5	(292)	10,696
- 6	(70)	82.32	- 6	(350)	10,720
- 7	(82)	81.99	- 7	(408)	10,744
- 8	(94)	81.66	- 8	(466)	10,768
- 9	(105)	81.33	- 9	(525)	10,792
- 10	(117)	81.00	- 10	(583)	10,816
Weighting Factor:		0.013	Weighting Factor:		0.099

Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2003 - December 2003

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	491	83.20	+ 10	1,204	9,846
+ 9	442	82.83	+ 9	1,084	9,869
+ 8	393	82.46	+ 8	963	9,892
+ 7	344	82.09	+ 7	843	9,915
+ 6	295	81.72	+ 6	722	9,938
+ 5	246	81.35	+ 5	602	9,961
+ 4	196	80.98	+ 4	482	9,983
+ 3	147	80.61	+ 3	361	10,006
+ 2	98	80.24	+ 2	241	10,029
+ 1	49	79.87	+ 1	120	10,052
				0	10,075
0	0	79.50	0	0	10,150
				0	10,225
- 1	(76)	78.94	- 1	(120)	10,248
- 2	(153)	78.38	- 2	(241)	10,271
- 3	(229)	77.82	- 3	(361)	10,294
- 4	(306)	77.26	- 4	(482)	10,317
- 5	(382)	76.70	- 5	(602)	10,340
- 6	(458)	76.14	- 6	(722)	10,363
- 7	(535)	75.58	- 7	(843)	10,386
- 8	(611)	75.02	- 8	(963)	10,409
- 9	(688)	74.46	- 9	(1,084)	10,432
- 10	(764)	73.90	- 10	(1,204)	10,455
Weighting Factor:		0.084	Weighting Factor:		0.205

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2003 - December 2003

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	32	87.40	+ 10	510	9,728
+ 9	29	87.34	+ 9	459	9,751
+ 8	26	87.28	+ 8	408	9,773
+ 7	22	87.22	+ 7	357	9,796
+ 6	19	87.16	+ 6	306	9,818
+ 5	16	87.10	+ 5	255	9,841
+ 4	13	87.04	+ 4	204	9,864
+ 3	10	86.98	+ 3	153	9,886
+ 2	6	86.92	+ 2	102	9,909
+ 1	3	86.86	+ 1	51	9,931
				0	9,954
0	0	86.80	0	0	10,029
				0	10,104
- 1	(6)	86.69	- 1	(51)	10,127
- 2	(12)	86.58	- 2	(102)	10,149
- 3	(19)	86.47	- 3	(153)	10,172
- 4	(25)	86.36	- 4	(204)	10,194
- 5	(31)	86.25	- 5	(255)	10,217
- 6	(37)	86.14	- 6	(306)	10,240
- 7	(43)	86.03	- 7	(357)	10,262
- 8	(50)	85.92	- 8	(408)	10,285
- 9	(56)	85.81	- 9	(459)	10,307
- 10	(62)	85.70	- 10	(510)	10,330
Weighting Factor:		0.005	Weighting Factor:		0.087

Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2003 - December 2003

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	105	69.10	+ 10	401	9,810
+ 9	95	68.97	+ 9	361	9,833
+ 8	84	68.84	+ 8	321	9,856
+ 7	74	68.71	+ 7	281	9,878
+ 6	63	68.58	+ 6	241	9,901
+ 5	53	68.45	+ 5	201	9,924
+ 4	42	68.32	+ 4	160	9,947
+ 3	32	68.19	+ 3	120	9,970
+ 2	21	68.06	+ 2	80	9,992
+ 1	11	67.93	+ 1	40	10,015
				0	10,038
0	0	67.80	0	0	10,113
				0	10,188
- 1	(15)	67.61	- 1	(40)	10,211
- 2	(29)	67.42	- 2	(80)	10,234
- 3	(44)	67.23	- 3	(120)	10,256
- 4	(58)	67.04	- 4	(160)	10,279
- 5	(73)	66.85	- 5	(201)	10,302
- 6	(87)	66.66	- 6	(241)	10,325
- 7	(102)	66.47	- 7	(281)	10,348
- 8	(116)	66.28	- 8	(321)	10,370
- 9	(131)	66.09	- 9	(361)	10,393
- 10	(145)	65.90	- 10	(401)	10,416
Weighting Factor:		0.018	Weighting Factor:		0.068

Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2003 - December 2003

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	445	72.20	+ 10	570	9,741
+ 9	401	71.99	+ 9	513	9,764
+ 8	356	71.78	+ 8	456	9,786
+ 7	312	71.57	+ 7	399	9,809
+ 6	267	71.36	+ 6	342	9,831
+ 5	223	71.15	+ 5	285	9,854
+ 4	178	70.94	+ 4	228	9,877
+ 3	134	70.73	+ 3	171	9,899
+ 2	89	70.52	+ 2	114	9,922
+ 1	45	70.31	+ 1	57	9,944
				0	9,967
0	0	70.10	0	0	10,042
				0	10,117
- 1	(64)	69.79	- 1	(57)	10,140
- 2	(129)	69.48	- 2	(114)	10,162
- 3	(193)	69.17	- 3	(171)	10,185
- 4	(258)	68.86	- 4	(228)	10,207
- 5	(322)	68.55	- 5	(285)	10,230
- 6	(386)	68.24	- 6	(342)	10,253
- 7	(451)	67.93	- 7	(399)	10,275
- 8	(515)	67.62	- 8	(456)	10,298
- 9	(580)	67.31	- 9	(513)	10,320
- 10	(644)	67.00	- 10	(570)	10,343
Weighting Factor:		0.076	Weighting Factor:		0.097

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2003 - December 2003

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	445	85.70	+ 10	640	9,495
+ 9	401	85.43	+ 9	576	9,517
+ 8	356	85.16	+ 8	512	9,539
+ 7	312	84.89	+ 7	448	9,561
+ 6	267	84.62	+ 6	384	9,583
+ 5	223	84.35	+ 5	320	9,605
+ 4	178	84.08	+ 4	256	9,626
+ 3	134	83.81	+ 3	192	9,648
+ 2	89	83.54	+ 2	128	9,670
+ 1	45	83.27	+ 1	64	9,692
				0	9,714
0	0	83.00	0	0	9,789
				0	9,864
- 1	(62)	82.61	- 1	(64)	9,886
- 2	(125)	82.22	- 2	(128)	9,908
- 3	(187)	81.83	- 3	(192)	9,930
- 4	(249)	81.44	- 4	(256)	9,952
- 5	(312)	81.05	- 5	(320)	9,974
- 6	(374)	80.66	- 6	(384)	9,995
- 7	(436)	80.27	- 7	(448)	10,017
- 8	(498)	79.88	- 8	(512)	10,039
- 9	(561)	79.49	- 9	(576)	10,061
- 10	(623)	79.10	- 10	(640)	10,083
Weighting Factor:		0.076	Weighting Factor:		0.109

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	CRIST 4	Jan '03	Feb '03	Mar '03	Apr '03	May '03	Jun '03	
1.	EAF (%)	98.5	98.2	94.9	98.5	98.5	98.6	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	1.5	1.8	5.1	1.5	1.5	1.4	
4.	EUOR (%)	1.5	1.8	5.4	1.6	1.5	1.4	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	723.0	649.0	675.0	697.0	730.0	710.0	
7.	RSH	10.0	13.0	34.0	11.0	3.0	0.0	
8.	UH	11.0	10.0	35.0	11.0	11.0	10.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	11.0	12.0	14.0	11.0	11.0	10.0	
11.	MOH & EMOH	0.0	0.0	24.0	0.0	0.0	0.0	
12.	Oper MBtu	486324.0	446080.0	473049.0	487974.0	480101.0	486693.0	
13.	Net Gen (MWH)	46149.6	42585.2	44581.0	46799.1	45262.7	46426.9	
14.	ANOHR (Btu/KWH)	10538.0	10475.0	10611.0	10427.0	10607.0	10483.0	
15.	NOF %	81.8	84.1	84.7	86.1	79.5	83.8	
16.	NPC (MW)	78.0	78.0	78.0	78.0	78.0	78.0	

19.	ANOHR Equation	10^6 / AKW * [790.16 + 9.96 * MAR + 18.89 * AUG] - 14470 + 0.18768 * LSRF / AKW

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	CRIST 4	Jul '03	Aug '03	Sep '03	Oct '03	Nov '03	Dec '03	Total
1.	EAF (%)	98.5	98.5	62.4	50.9	98.5	98.5	91.2
2.	POF (%)	0.0	0.0	36.7	38.7	0.0	0.0	6.3
3.	EUOF (%)	1.5	1.5	0.9	10.4	1.5	1.5	2.5
4.	EUOR (%)	1.6	1.6	1.6	23.6	1.7	1.5	2.8
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	682.0	684.0	443.0	253.0	638.0	715.0	7599.0
7.	RSH	51.0	49.0	6.0	126.0	71.0	18.0	392.0
8.	UH	11.0	11.0	271.0	366.0	11.0	11.0	769.0
9.	POH	0.0	0.0	264.0	288.0	0.0	0.0	552.0
10.	FOH & EFOH	11.0	11.0	7.0	6.0	11.0	11.0	126.0
11.	MOH & EMOH	0.0	0.0	0.0	72.0	0.0	0.0	96.0
12.	Oper MBtu	470635.0	487171.0	310855.0	158440.0	404590.0	431052.0	5122964.0
13.	Net Gen (MWH)	44976.6	45390.0	29826.8	14684.0	37688.9	39354.7	483725.5
14.	ANOHR (Btu/KWH)	10464.0	10733.0	10422.0	10790.0	10735.0	10953.0	10591.0
15.	NOF %	84.5	85.1	86.3	74.4	75.7	70.6	81.6
16.	NPC (MW)	78.0	78.0	78.0	78.0	78.0	78.0	78.0

19.	ANOHR Equation	10^6 / AKW * [790.16 + 9.96 * MAR + 18.89 * AUG] - 14470 + 0.18768 * LSRF / AKW

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	CRIST 5	Jan '03	Feb '03	Mar '03	Apr '03	May '03	Jun '03	
1.	EAF (%)	97.0	96.7	87.4	97.1	97.0	97.1	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	3.0	3.3	12.6	2.9	3.0	2.9	
4.	EUOR (%)	3.0	3.3	12.8	3.1	3.0	2.9	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	717.0	650.0	642.0	661.0	706.0	695.0	
7.	RSH	5.0	2.0	10.0	37.0	16.0	4.0	
8.	UH	22.0	20.0	92.0	21.0	22.0	21.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	22.0	22.0	22.0	21.0	22.0	21.0	
11.	MOH & EMOH	0.0	0.0	72.0	0.0	0.0	0.0	
12.	Oper MBtu	495203.0	460374.0	452144.0	470604.0	469194.0	495189.0	
13.	Net Gen (MWH)	47652.3	44553.8	43706.5	45605.6	44710.7	46680.7	
14.	ANOHR (Btu/KWH)	10392.0	10333.0	10345.0	10319.0	10494.0	10608.0	
15.	NOF %	83.1	85.7	85.1	86.2	79.2	84.0	
16.	NPC (MW)	80.0	80.0	80.0	80.0	80.0	80.0	

19.	ANOHR Equation	10^6 / AKW * [134.06 + 15.92 * JUN + 12.53 * AUG - 17.36 * OCT] + 8,376

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	CRIST 5	Jul '03	Aug '03	Sep '03	Oct '03	Nov '03	Dec '03	Total
1.	EAF (%)	97.2	97.2	93.8	75.0	45.3	96.8	89.8
2.	POF (%)	0.0	0.0	0.0	22.7	53.3	0.0	6.3
3.	EUOF (%)	2.8	2.8	6.2	2.3	1.4	3.2	3.9
4.	EUOR (%)	2.8	2.8	6.7	3.1	3.8	3.2	4.3
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	723.0	723.0	623.0	523.0	254.0	720.0	7637.0
7.	RSH	0.0	0.0	52.0	36.0	72.0	2.0	236.0
8.	UH	21.0	21.0	45.0	186.0	394.0	22.0	887.0
9.	POH	0.0	0.0	0.0	169.0	384.0	0.0	553.0
10.	FOH & EFOH	21.0	21.0	21.0	17.0	10.0	24.0	244.0
11.	MOH & EMOH	0.0	0.0	24.0	0.0	0.0	0.0	96.0
12.	Oper MBtu	517889.0	526393.0	440830.0	350751.0	153728.0	448404.0	5280703.0
13.	Net Gen (MWH)	50256.1	50190.0	42662.3	34584.0	14291.0	42005.1	506898.1
14.	ANOHR (Btu/KWH)	10305.0	10488.0	10333.0	10142.0	10757.0	10675.0	10418.0
15.	NOF %	86.9	86.8	85.6	82.7	70.3	72.9	83.0
16.	NPC (MW)	80.0	80.0	80.0	80.0	80.0	80.0	80.0

19.	ANOHR Equation	10^6 / AKW * [134.06 + 15.92 * JUN + 12.53 * AUG - 17.36 * OCT] + 8,376

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	CRIST 6	Jan '03	Feb '03	Mar '03	Apr '03	May '03	Jun '03	
1.	EAF (%)	95.7	95.2	2.8	86.2	83.5	95.7	
2.	POF (%)	0.0	0.0	96.8	0.0	0.0	0.0	
3.	EUOF (%)	4.3	4.8	0.4	13.8	16.5	4.3	
4.	EUOR (%)	4.3	4.8	12.5	13.8	16.5	4.3	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	712.0	643.0	23.0	620.0	621.0	689.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	32.0	29.0	721.0	99.0	123.0	31.0	
9.	POH	0.0	0.0	720.0	0.0	0.0	0.0	
10.	FOH & EFOH	32.0	32.0	3.0	27.0	27.0	31.0	
11.	MOH & EMOH	0.0	0.0	0.0	72.0	96.0	0.0	
12.	Oper MBtu	1864277.0	1740936.0	62893.0	1688010.0	1532050.0	1828152.0	
13.	Net Gen (MWH)	178450.9	167012.3	6036.4	161981.6	145895.6	172434.6	
14.	ANOHR (Btu/KWH)	10447.0	10424.0	10419.0	10421.0	10501.0	10602.0	
15.	NOF %	83.0	86.0	86.9	86.5	77.8	82.9	
16.	NPC (MW)	302.0	302.0	302.0	302.0	302.0	302.0	

19.	ANOHR Equation	10^6 / AKW * [942.11 + 38.69 * JUN + 43.57 * JUL + 47.19 * AUG] + 2,167 + 0.01677 * LSRF / AKW

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	CRIST 6	Jul '03	Aug '03	Sep '03	Oct '03	Nov '03	Dec '03	Total
1.	EAF (%)	95.7	95.7	86.0	86.4	95.4	95.7	84.3
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	8.2
3.	EUOF (%)	4.3	4.3	14.0	13.6	4.6	4.3	7.5
4.	EUOR (%)	4.3	4.3	14.0	13.6	4.6	4.3	8.1
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	712.0	712.0	621.0	644.0	689.0	712.0	7398.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	32.0	32.0	99.0	101.0	31.0	32.0	1362.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	720.0
10.	FOH & EFOH	32.0	32.0	29.0	29.0	33.0	32.0	339.0
11.	MOH & EMOH	0.0	0.0	72.0	72.0	0.0	0.0	312.0
12.	Oper MBtu	1960003.0	1978024.0	1703743.0	1698137.0	1724890.0	1681665.0	19462780.0
13.	Net Gen (MWH)	185045.6	186623.6	163554.1	162625.6	164494.6	159354.2	1853509.1
14.	ANOHR (Btu/KWH)	10592.0	10599.0	10417.0	10442.0	10486.0	10553.0	10501.0
15.	NOF %	86.1	86.8	87.2	83.6	79.1	74.1	83.0
16.	NPC (MW)	302.0	302.0	302.0	302.0	302.0	302.0	302.0

19.	ANOHR Equation	10^6 / AKW * [942.11 + 38.69 * JUN + 43.57 * JUL + 47 19 * AUG] + 2,167 + 0.01677 * LSRF / AKW

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	CRIST 7	Jan '03	Feb '03	Mar '03	Apr '03	May '03	Jun '03	
1.	EAF (%)	90.5	90.2	81.3	12.1	70.0	90.4	
2.	POF (%)	0.0	0.0	0.0	86.6	12.9	0.0	
3.	EUOF (%)	9.5	9.8	18.7	1.3	17.1	9.6	
4.	EUOR (%)	9.5	9.8	18.7	9.4	19.6	9.6	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	673.0	608.0	608.0	87.0	521.0	651.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	71.0	64.0	136.0	632.0	223.0	69.0	
9.	POH	0.0	0.0	0.0	623.0	96.0	0.0	
10.	FOH & EFOH	71.0	66.0	67.0	9.0	55.0	69.0	
11.	MOH & EMOH	0.0	0.0	72.0	0.0	72.0	0.0	
12.	Oper MBtu	3208437.0	2913437.0	2776389.0	406336.0	2191670.0	3001831.0	
13.	Net Gen (MWH)	316914.0	287917.5	286846.7	40068.6	217233.6	295688.6	
14.	ANOHR (Btu/KWH)	10124.0	10119.0	9679.0	10141.0	10089.0	10152.0	
15.	NOF %	98.7	99.3	98.9	96.6	87.4	95.2	
16.	NPC (MW)	477.0	477.0	477.0	477.0	477.0	477.0	

19.	ANOHR Equation	10^6 / AKW * [364.26 - 208.93 * MAR - 56.05 * MAY + 122 15 * JUL + 75.82 * AUG + 68.14 * SEP + 45.83 * OCT] + 9,350

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	CRIST 7	Jul '03	Aug '03	Sep '03	Oct '03	Nov '03	Dec '03	Total
1.	EAF (%)	90.5	90.5	75.3	81.5	90.3	90.5	79.5
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	8.2
3.	EUOF (%)	9.5	9.5	24.7	18.5	9.7	9.5	12.3
4.	EUOR (%)	9.5	9.5	24.7	18.5	9.7	9.5	13.4
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	673.0	673.0	542.0	609.0	651.0	673.0	6969.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	71.0	71.0	178.0	136.0	69.0	71.0	1791.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	719.0
10.	FOH & EFOH	71.0	71.0	58.0	66.0	70.0	71.0	744.0
11.	MOH & EMOH	0.0	0.0	120.0	72.0	0.0	0.0	336.0
12.	Oper MBtu	3253033.0	3244535.0	2566661.0	2933866.0	3059911.0	3170244.0	32726350.0
13.	Net Gen (MWH)	312912.0	315340.2	249432.6	287071.0	301915.2	312832.4	3224172.4
14.	ANOHR (Btu/KWH)	10396.0	10289.0	10290.0	10220.0	10135.0	10134.0	10150.0
15.	NOF %	97.5	98.2	96.5	98.8	97.2	97.4	97.0
16.	NPC (MW)	477.0	477.0	477.0	477.0	477.0	477.0	477.0

19.	ANOHR Equation	10^6 / AKW * [364.26 - 208.93 * MAR - 56.05 * MAY + 122.15 * JUL + 75.82 * AUG + 68.14 * SEP + 45.83 * OCT] + 9,350

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	SMITH 1	Jan '03	Feb '03	Mar '03	Apr '03	May '03	Jun '03	
1.	EAF (%)	98.5	98.1	88.6	32.8	63.2	98.5	
2.	POF (%)	0.0	0.0	0.0	66.8	35.5	0.0	
3.	EUOF (%)	1.5	1.9	11.4	0.4	1.3	1.5	
4.	EUOR (%)	1.5	1.9	11.4	1.3	2.1	1.5	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	733.0	662.0	662.0	236.0	473.0	709.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	11.0	10.0	82.0	483.0	271.0	11.0	
9.	POH	0.0	0.0	0.0	480.0	264.0	0.0	
10.	FOH & EFOH	11.0	13.0	13.0	3.0	10.0	11.0	
11.	MOH & EMOH	0.0	0.0	72.0	0.0	0.0	0.0	
12.	Oper MBtu	1175714.0	1063722.0	1070012.0	382743.0	717190.0	1133497.0	
13.	Net Gen (MWH)	117937.0	106853.0	106490.0	38099.0	71051.1	111994.6	
14.	ANOHR (Btu/KWH)	9969.0	9955.0	10048.0	10046.0	10094.0	10121.0	
15.	NOF %	99.3	99.6	99.3	99.7	92.7	97.5	
16.	NPC (MW)	162.0	162.0	162.0	162.0	162.0	162.0	

19.	ANOHR Equation	10^6 / AKW * [-6 55 - 12.65 * JAN - 14.68 * FEB + 9.56 * JUN - 10.32 * SEP - 14.06 * NOV] + 10,971 - 0.00543 * LSRF / AKW

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	SMITH 1	Jul '03	Aug '03	Sep '03	Oct '03	Nov '03	Dec '03	Total
1.	EAF (%)	98.5	98.5	98.1	98.5	91.9	76.2	86.8
2.	POF (%)	0.0	0.0	0.0	0.0	6.7	22.6	11.0
3.	EUOF (%)	1.5	1.5	1.9	1.5	1.4	1.2	2.2
4.	EUOR (%)	1.5	1.5	1.9	1.5	1.5	1.6	2.6
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	733.0	733.0	709.0	734.0	662.0	567.0	7613.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	11.0	11.0	11.0	11.0	58.0	177.0	1147.0
9.	POH	0.0	0.0	0.0	0.0	48.0	168.0	960.0
10.	FOH & EFOH	11.0	11.0	14.0	11.0	10.0	9.0	127.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	72.0
12.	Oper MBtu	1179546.0	1183426.0	1142507.0	1189858.0	1053804.0	911445.0	12203464.0
13.	Net Gen (MWH)	117344.4	117765.5	114456.7	118441.0	105750.5	90673.0	1216855.8
14.	ANOHR (Btu/KWH)	10052.0	10049.0	9982.0	10046.0	9965.0	10052.0	10029.0
15.	NOF %	98.8	99.2	99.7	99.6	98.6	98.7	98.7
16.	NPC (MW)	162.0	162.0	162.0	162.0	162.0	162.0	162.0

19.	ANOHR Equation	10^6 / AKW * [-6.55 - 12.65 * JAN - 14.68 * FEB + 9.56 * JUN - 10.32 * SEP - 14.06 * NOV] + 10,971 - 0.00543 * LSRF / AKW

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	SMITH 2	Jan '03	Feb '03	Mar '03	Apr '03	May '03	Jun '03	
1.	EAF (%)	9.4	0.0	0.0	67.3	89.4	95.7	
2.	POF (%)	90.3	100.0	100.0	19.9	0.0	0.0	
3.	EUOF (%)	0.3	0.0	0.0	12.8	10.6	4.3	
4.	EUOR (%)	2.8	0.0	0.0	16.0	10.6	4.3	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	70.0	0.0	0.0	484.0	669.0	692.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	674.0	672.0	744.0	235.0	75.0	28.0	
9.	POH	672.0	672.0	744.0	143.0	0.0	0.0	
10.	FOH & EFOH	2.0	0.0	0.0	20.0	31.0	31.0	
11.	MOH & EMOH	0.0	0.0	0.0	72.0	48.0	0.0	
12.	Oper MBtu	119295.0	0.0	0.0	884600.0	1132221.0	1239246.0	
13.	Net Gen (MWH)	12010.0	0.0	0.0	88460.0	112546.8	122310.1	
14.	ANOHR (Btu/KWH)	9933.0	-	-	10000.0	10060.0	10132.0	
15.	NOF %	90.8	0.0	0.0	96.7	89.0	93.5	
16.	NPC (MW)	189.0	189.0	189.0	189.0	189.0	189.0	

19.	ANOHR Equation	10^6 / AKW * [261.83 - 36.53 * JAN - 44.18 * FEB - 58.60 * MAR - 21.11 * APR - 15.99 * MAY + 15.64 * JUL] + 6,772 + 0.01037 * LSRF / AKW

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	SMITH 2	Jul '03	Aug '03	Sep '03	Oct '03	Nov '03	Dec '03	Total
1.	EAF (%)	96.1	96.1	95.7	74.4	89.4	96.1	67.8
2.	POF (%)	0.0	0.0	0.0	22.7	6.7	0.0	27.9
3.	EUOF (%)	3.9	3.9	4.3	2.9	3.9	3.9	4.3
4.	EUOR (%)	3.9	3.9	4.3	3.8	4.2	3.9	5.9
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	715.0	715.0	692.0	554.0	646.0	715.0	5952.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	29.0	29.0	28.0	191.0	74.0	29.0	2808.0
9.	POH	0.0	0.0	0.0	169.0	48.0	0.0	2448.0
10.	FOH & EFOH	29.0	29.0	31.0	22.0	28.0	29.0	252.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	120.0
12.	Oper MBtu	1326709.0	1323145.0	1297132.0	1031207.0	1164612.0	1292886.0	10811053.0
13.	Net Gen (MWH)	130005.8	130797.3	128314.6	101968.5	114989.3	127667.2	1069069.6
14.	ANOHR (Btu/KWH)	10205.0	10116.0	10109.0	10113.0	10128.0	10127.0	10113.0
15.	NOF %	96.2	96.8	98.1	97.4	94.2	94.5	95.0
16.	NPC (MW)	189.0	189.0	189.0	189.0	189.0	189.0	189.0

19.	ANOHR Equation	10^6 / AKW * [261.83 - 36.53 * JAN - 44.18 * FEB - 58.60 * MAR - 21.11 * APR - 15.99 * MAY + 15 64 * JUL] + 6,772 + 0.01037 * LSRF / AKW

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	DANIEL 1	Jan '03	Feb '03	Mar '03	Apr '03	May '03	Jun '03	
1.	EAF (%)	15.1	0.0	3.1	83.6	92.3	92.9	
2.	POF (%)	83.9	100.0	96.8	0.0	0.0	0.0	
3.	EUOF (%)	1.0	0.0	0.1	16.4	7.7	7.1	
4.	EUOR (%)	6.7	0.0	4.2	16.4	7.7	7.1	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	112.0	0.0	23.0	601.0	691.0	669.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	632.0	672.0	721.0	118.0	53.0	51.0	
9.	POH	624.0	672.0	720.0	0.0	0.0	0.0	
10.	FOH & EFOH	8.0	0.0	1.0	46.0	57.0	51.0	
11.	MOH & EMOH	0.0	0.0	0.0	72.0	0.0	0.0	
12.	Oper MBtu	533553.0	0.0	101572.0	2970199.0	3047953.0	3175637.0	
13.	Net Gen (MWH)	53650.4	0.0	10070.6	301054.0	302106.6	319095.4	
14.	ANOHR (Btu/KWH)	9945.0	-	10086.0	9866.0	10089.0	9952.0	
15.	NOF %	94.5	0.0	86.4	98.8	86.2	94.1	
16.	NPC (MW)	507.0	507.0	507.0	507.0	507.0	507.0	

19.	ANOHR Equation	10^6 / AKW * [-931.04 + 183.89 * JUL + 122.54 * AUG + 110.76 * SEP + 89.14 * NOV] + 18,532 - 0.01364 * LSRF / AKW

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	DANIEL 1	Jul '03	Aug '03	Sep '03	Oct '03	Nov '03	Dec '03	Total
1.	EAF (%)	92.9	92.9	89.4	89.9	92.5	92.7	70.1
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	23.0
3.	EUOF (%)	7.1	7.1	10.6	10.1	7.5	7.3	6.9
4.	EUOR (%)	7.1	7.1	10.6	10.1	7.5	7.3	8.9
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	691.0	691.0	647.0	670.0	669.0	691.0	6155.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	53.0	53.0	73.0	75.0	51.0	53.0	2605.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	2016.0
10.	FOH & EFOH	53.0	53.0	52.0	51.0	54.0	54.0	480.0
11.	MOH & EMOH	0.0	0.0	24.0	24.0	0.0	0.0	120.0
12.	Oper MBtu	3503733.0	3483027.0	3271917.0	3312846.0	3318098.0	3110227.0	29828762.0
13.	Net Gen (MWH)	341394.6	344070.6	324466.2	335852.2	329209.0	309383.0	2970352.6
14.	ANOHR (Btu/KWH)	10263.0	10123.0	10084.0	9864.0	10079.0	10053.0	10042.0
15.	NOF %	97.4	98.2	98.9	98.9	97.1	88.3	95.2
16.	NPC (MW)	507.0	507.0	507.0	507.0	507.0	507.0	507.0

19.	ANOHR Equation	10^6 / AKW * [-931.04 + 183.89 * JUL + 122.54 * AUG + 110.76 * SEP + 89.14 * NOV] + 18.532 - 0.01364 * LSRF / AKW

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	DANIEL 2	Jan '03	Feb '03	Mar '03	Apr '03	May '03	Jun '03	
1.	EAF (%)	92.9	92.6	83.5	92.8	92.6	92.8	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	7.1	7.4	16.5	7.2	7.4	7.2	
4.	EUOR (%)	7.1	7.4	16.5	7.2	7.4	7.2	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	691.0	624.0	624.0	667.0	691.0	668.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	53.0	48.0	120.0	52.0	53.0	52.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	53.0	50.0	51.0	52.0	55.0	52.0	
11.	MOH & EMOH	0.0	0.0	72.0	0.0	0.0	0.0	
12.	Oper MBtu	3333607.0	3055414.0	3097097.0	3322915.0	3059588.0	3190009.0	
13.	Net Gen (MWH)	347721.6	317808.8	315611.6	338934.6	303801.8	322190.6	
14.	ANOHR (Btu/KWH)	9587.0	9614.0	9813.0	9804.0	10071.0	9901.0	
15.	NOF %	97.9	99.1	98.4	98.9	85.5	93.8	
16.	NPC (MW)	514.0	514.0	514.0	514.0	514.0	514.0	

19.	ANOHR Equation	10^6 / AKW * [187.07 - 118.14 * JAN - 94.43 * FEB - 73.36 * SEP - 78.52 * NOV] + 12,178 - 0.00543 * LSRF / AKW

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2003 - December 2003

	DANIEL 2	Jul '03	Aug '03	Sep '03	Oct '03	Nov '03	Dec '03	Total
1.	EAF (%)	92.9	92.9	83.2	24.0	65.0	92.6	83.0
2.	POF (%)	0.0	0.0	0.0	67.8	30.0	0.0	8.2
3.	EUOF (%)	7.1	7.1	16.8	8.2	5.0	7.4	8.8
4.	EUOR (%)	7.1	7.1	16.8	25.4	7.1	7.4	9.5
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	691.0	691.0	602.0	179.0	468.0	691.0	7287.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	53.0	53.0	118.0	566.0	252.0	53.0	1473.0
9.	POH	0.0	0.0	0.0	505.0	216.0	0.0	721.0
10.	FOH & EFOH	53.0	53.0	49.0	13.0	36.0	55.0	572.0
11.	MOH & EMOH	0.0	0.0	72.0	48.0	0.0	0.0	192.0
12.	Oper MBtu	3391641.0	3420162.0	2956058.0	881956.0	2237202.0	3383611.0	35329260.0
13.	Net Gen (MWH)	344749.0	348320.8	306041.8	89730.0	230591.8	343723.2	3609225.6
14.	ANOHR (Btu/KWH)	9838.0	9819.0	9659.0	9829.0	9702.0	9844.0	9789.0
15.	NOF %	97.1	98.1	98.9	97.5	95.9	96.8	96.4
16.	NPC (MW)	514.0	514.0	514.0	514.0	514.0	514.0	514.0

19.	ANOHR Equation	10^6 / AKW * [187.07 - 118.14 * JAN - 94.43 * FEB - 73.36 * SEP - 78.52 * NOV] + 12,178 - 0.00543 * LSRF / AKW

Issued by: T. A. Fanning

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

Planned Outage Schedules (Estimated)

Gulf Power Company

Period of: January 2003 - December 2003

Plant & Unit	Planned Outage Dates			Reason for Outage
Crist 4	09/20/03	-	10/12/03	Annual general boiler maintenance and inspection.
Crist 5	10/25/03	-	11/16/03	Annual general boiler maintenance and inspection.
Crist 6	03/01/03	-	03/30/03	Annual general boiler maintenance and inspection.
Crist 7	04/05/03	-	05/04/03	Turbine and general boiler maintenance and inspection.
Smith 1	04/11/03	-	05/11/03	Turbine valve outage and boiler inspection.
Smith 1	11/29/03	-	12/07/03	Semi-annual general boiler maintenance and inspection.
Smith 2	01/04/03	-	04/06/03	Major boiler overhaul
Smith 2	10/25/03	-	11/02/03	Semi-annual general boiler maintenance and inspection.
Daniel 1	01/06/03	-	03/30/03	Turbine & generator overhaul and boiler inspection.
Daniel 2	10/11/03	-	11/09/03	Annual general boiler maintenance and inspection.

Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: January 2003 - December 2003

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

Please note that in addition to the outages scheduled for the target period of January 2003 - December 2003, the outages shown below are currently planned and could be rescheduled for the target period.

Plant & Unit	Planned Outage Dates	Reason for Outage

None

Filed: September 20, 2002
Suspended:
Effective: January 1, 2003
Docket No.: 020001-EI
Order No.:

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 020001-EI

Before me the undersigned authority, personally appeared Lonzelle S. Noack, who being first duly sworn, deposes, and says that she is the Power Generation Specialist, Senior for Gulf Power Company, a Maine corporation, and that the foregoing is true and correct to the best of her knowledge, information, and belief. She is personally known to me.

Lonzelle S. Noack
Power Generation Specialist, Senior

Sworn to and subscribed before me this 18th day of September, 2002.

Notary Public, State of Florida at Large

Commission Number:

Commission Expires:

ROLLANDA R. COTHRAN
MY COMMISSION # DD 068475
EXPIRES: February 26, 2006
Bonded Thru Notary Public Underwriters