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

GENERATING PERFORMANCE INCENTIVE FACTOR

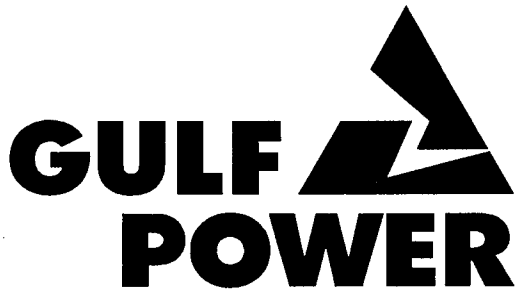
TARGETS FOR

JANUARY 2007 - DECEMBER 2007

Before

THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 060001-EI



A SOUTHERN COMPANY

GULF POWER COMPANY

Before the Florida Public Service Commission

Direct Testimony of

L. S. Noack

Docket No. 060001-EI

Date of Filing: September 1, 2006

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, 2007 through December 31, 2007.

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, continue to be the Company's GPIF units. The projected net generation from these units, which represent all of Gulf's qualifying base and intermediate load units for GPIF, is approximately 86.39% of Gulf's projected net generation for 2007.

Q. What are the target heat rates Gulf proposes to use in the GPIF for these units for

the performance period January 1, 2007 through December 31, 2007?

A. I would like to refer you to Page 45 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. For Daniel Units 1 and 2, the Btu/lb independent variable that was stipulated and approved in Commission Order PSC-99-2512-FOF-EI and referenced in the 2005 GPIF Target Filing, Docket No. 040001-EI, was added to the regression.

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 41 of Schedule 1 contain the weekly historical data used for the statistical development of these equations. Pages 42 through 44 of Schedule 1 present the calculations that provide the unit target heat rates from the target equations. For Daniel Units 1 and 2, the estimates of the monthly Btu/lb for 2007 used to determine the heat rate targets for these units are included on Page 44 of Schedule 1.

Q. Were the maximum and minimum attainable heat rates for each proposed GPIF unit, indicated on Page 45 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 were 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 Implementation 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 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, 2007 through December 31, 2007.

2. The target, maximum attainable, and minimum attainable average net operating heat rates, as proposed by the Company and as shown on Page 45 of Schedule 1 and also on Page 5 of Schedule 3 of 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 on Page 5 of Schedule 3 of Exhibit_(LSN-2).

4. The weekly average net operating heat rate least squares regression equations, shown on Page 2 of Schedule 1 and also on Pages 20 through 35 of Schedule 3 of 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. 060001-EI
Gulf Power Company
Witness: L. S. Noack
Exhibit No.___(LSN-2)

EXHIBIT TO THE TESTIMONY OF

L. S. NOACK

IN FPSC DOCKET 060001-EI

I. DETERMINATION OF HEAT RATE TARGETS

Target Heat Rate Equations

Crist 4 ANOHR = 10^6 / AKW * [32.38 - 15.16 * JAN - 14.84 * FEB + 13.60 * JUN + 10.74 * NOV]

+ 10,131

Crist 5 ANOHR = 10^6 / AKW * [66.40 - 11.85 * JAN]

+ 9,596

Crist 6 ANOHR = 10^6 / AKW * [87.10 + 105.75 * JAN - 109.59 * FEB - 192.13 * MAR - 148.46 * APR]

+ 10,071

Crist 7 ANOHR = 10^6 / AKW * [568.24 + 132.87 * MAR + 84.49 * APR]

+ 8,992

Smith 1 ANOHR = 10^6 / AKW * [20.54 + 13.19 * FEB + 19.94 * JUN + 16.67 * JUL + 11.07 * AUG + 20.27 * SEP]

+ 10,080

Smith 2 ANOHR = 10^6 / AKW * [273.24 - 36.28 * MAR + 49.10 * APR - 13.76 * JUL]

+ 6,470 + 0.01265 * LSRF / AKW

Daniel 1 ANOHR = 10^6 / AKW * [2547.49 + 95.70 * APR - 90.73 * SEP - 114.94 * OCT]

- 538 + 10^6 / AKW * [-0.0550 * BTU/LB] + 0.01343 * LSRF / AKW

Daniel 2 ANOHR = 10^6 / AKW * [1237.97 + 120.49 * JUL - 109.59 * SEP]

+ 9,584 + 10^6 / AKW * [-0.0983 * BTU/LB]

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
10494	168	60.7	3867	0	0	0	0	0	0	1	0	0	0	0	0	2003
10482	168	66.2	4554	0	0	0	0	0	0	1	0	0	0	0	0	2003
10398	168	66.7	4633	0	0	0	0	0	0	1	0	0	0	0	0	2003
10553	168	64.0	4271	0	0	0	0	0	0	1	0	0	0	0	0	2003
10357	168	64.9	4392	0	0	0	0	0	0	0	1	0	0	0	0	2003
10197	168	66.1	4549	0	0	0	0	0	0	0	1	0	0	0	0	2003
10258	168	68.3	4804	0	0	0	0	0	0	0	1	0	0	0	0	2003
10234	168	68.1	4801	0	0	0	0	0	0	0	1	0	0	0	0	2003
10429	168	67.2	4701	0	0	0	0	0	0	0	1	0	0	0	0	2003
10996	139	60.0	3860	0	0	0	0	0	0	0	0	1	0	0	1	2003
10595	168	63.9	4295	0	0	0	0	0	0	0	0	1	0	0	0	2003
10581	168	62.5	4109	0	0	0	0	0	0	0	0	1	0	0	0	2003
10503	135	65.9	4509	0	0	0	0	0	0	0	0	1	0	0	0	2003
10572	159	63.4	4243	0	0	0	0	0	0	0	0	0	1	0	1	2003
10434	168	68.7	4867	0	0	0	0	0	0	0	0	0	1	0	0	2003
10545	168	69.4	4969	0	0	0	0	0	0	0	0	0	1	0	0	2003
10402	94	69.5	4976	0	0	0	0	0	0	0	0	0	1	0	0	2003
11270	54	66.8	4740	0	0	0	0	0	0	0	0	0	0	1	1	2003
10622	168	73.1	5383	0	0	0	0	0	0	0	0	0	0	1	0	2003
10695	168	70.1	5038	0	0	0	0	0	0	0	0	0	0	1	0	2003
10621	115	70.8	5182	0	0	0	0	0	0	0	0	0	0	0	1	2003
10471	168	69.6	4975	0	0	0	0	0	0	0	0	0	0	0	0	2003
10427	168	68.2	4774	0	0	0	0	0	0	0	0	0	0	0	0	2003
10649	168	54.9	3142	0	0	0	0	0	0	0	0	0	0	0	0	2003
10637	24	61.3	3929	0	0	0	0	0	0	0	0	0	0	0	0	2003
10531	168	58.1	3557	1	0	0	0	0	0	0	0	0	0	0	0	2004
10364	168	72.8	5372	1	0	0	0	0	0	0	0	0	0	0	0	2004
10454	168	67.7	4691	1	0	0	0	0	0	0	0	0	0	0	0	2004
10438	168	68.4	4787	1	0	0	0	0	0	0	0	0	0	0	0	2004
10468	168	68.9	4848	0	1	0	0	0	0	0	0	0	0	0	0	2004
10540	168	68.2	4743	0	1	0	0	0	0	0	0	0	0	0	0	2004
10366	168	73.3	5422	0	1	0	0	0	0	0	0	0	0	0	0	2004
10228	168	73.2	5397	0	1	0	0	0	0	0	0	0	0	0	0	2004
10282	168	72.7	5342	0	1	0	0	0	0	0	0	0	0	0	0	2004
10406	168	71.8	5237	0	0	1	0	0	0	0	0	0	0	0	0	2004
10227	168	76.6	5887	0	0	1	0	0	0	0	0	0	0	0	0	2004
10325	168	76.3	5848	0	0	1	0	0	0	0	0	0	0	0	0	2004
10402	168	72.5	5340	0	0	1	0	0	0	0	0	0	0	0	0	2004
10372	167	75.7	5759	0	0	0	1	0	0	0	0	0	0	0	0	2004
10474	168	70.0	5027	0	0	0	1	0	0	0	0	0	0	0	0	2004
10431	168	71.3	5188	0	0	0	1	0	0	0	0	0	0	0	0	2004
10505	168	71.8	5259	0	0	0	1	0	0	0	0	0	0	0	0	2004
10564	168	61.5	3947	0	0	0	0	1	0	0	0	0	0	0	0	2004
10529	168	65.7	4461	0	0	0	0	1	0	0	0	0	0	0	0	2004
10520	168	68.0	4776	0	0	0	0	1	0	0	0	0	0	0	0	2004
10513	168	66.3	4556	0	0	0	0	1	0	0	0	0	0	0	0	2004
10590	168	64.5	4350	0	0	0	0	1	0	0	0	0	0	0	0	2004

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
10499	168	65.3	4428	0	0	0	0	0	1	0	0	0	0	0	0	2004
10568	168	68.0	4760	0	0	0	0	0	1	0	0	0	0	0	0	2004
10748	168	65.5	4449	0	0	0	0	0	1	0	0	0	0	0	0	2004
10785	142	63.0	4179	0	0	0	0	0	1	0	0	0	0	0	1	2004
10576	168	65.9	4504	0	0	0	0	0	0	1	0	0	0	0	0	2004
10726	168	66.5	4576	0	0	0	0	0	0	1	0	0	0	0	0	2004
10664	168	66.3	4571	0	0	0	0	0	0	1	0	0	0	0	0	2004
10740	168	67.9	4767	0	0	0	0	0	0	1	0	0	0	0	0	2004
10703	168	69.6	4974	0	0	0	0	0	0	0	1	0	0	0	0	2004
10768	168	67.7	4747	0	0	0	0	0	0	0	1	0	0	0	0	2004
10524	168	65.9	4502	0	0	0	0	0	0	0	1	0	0	0	0	2004
10576	168	68.4	4796	0	0	0	0	0	0	0	1	0	0	0	0	2004
10620	168	69.8	4959	0	0	0	0	0	0	0	1	0	0	0	0	2004
10553	168	63.3	4195	0	0	0	0	0	0	0	0	1	0	0	0	2004
10763	168	62.3	4104	0	0	0	0	0	0	0	0	1	0	0	0	2004
11010	105	54.9	3239	0	0	0	0	0	0	0	0	1	0	0	1	2004
10564	168	69.0	4870	0	0	0	0	0	0	0	0	1	0	0	0	2004
10724	168	70.0	5027	0	0	0	0	0	0	0	0	0	1	0	0	2004
10636	168	69.7	4966	0	0	0	0	0	0	0	0	0	1	0	0	2004
10536	168	69.9	5009	0	0	0	0	0	0	0	0	0	1	0	0	2004
10609	168	71.6	5223	0	0	0	0	0	0	0	0	0	1	0	0	2004
10632	169	72.9	5391	0	0	0	0	0	0	0	0	0	1	0	0	2004
10667	168	67.4	4732	0	0	0	0	0	0	0	0	0	0	1	0	2004
10635	168	73.0	5386	0	0	0	0	0	0	0	0	0	0	1	0	2004
10661	168	70.4	5076	0	0	0	0	0	0	0	0	0	0	1	0	2004
10860	168	60.4	3759	0	0	0	0	0	0	0	0	0	0	1	0	2004
10362	168	69.3	4898	0	0	0	0	0	0	0	0	0	0	0	0	2004
10433	168	65.0	4315	0	0	0	0	0	0	0	0	0	0	0	0	2004
10530	128	64.0	4310	0	0	0	0	0	0	0	0	0	0	0	1	2004
10538	168	65.3	4375	0	0	0	0	0	0	0	0	0	0	0	0	2004
10662	24	59.2	3676	0	0	0	0	0	0	0	0	0	0	0	0	2004
9884	82	53.8	3048	1	0	0	0	0	0	0	0	0	0	0	0	2005
10143	166	57.7	3493	1	0	0	0	0	0	0	0	0	0	0	1	2005
10454	168	66.7	4609	1	0	0	0	0	0	0	0	0	0	0	0	2005
9876	168	72.0	5219	0	1	0	0	0	0	0	0	0	0	0	0	2005
10472	168	60.7	3828	0	1	0	0	0	0	0	0	0	0	0	0	2005
10417	168	57.8	3477	0	1	0	0	0	0	0	0	0	0	0	0	2005
10569	168	59.8	3740	0	1	0	0	0	0	0	0	0	0	0	0	2005
11368	168	56.4	3279	0	0	1	0	0	0	0	0	0	0	0	0	2005
10538	168	67.3	4633	0	0	1	0	0	0	0	0	0	0	0	0	2005
10540	168	71.4	5183	0	0	1	0	0	0	0	0	0	0	0	0	2005
10549	168	68.2	4772	0	0	1	0	0	0	0	0	0	0	0	0	2005
10575	168	67.6	4736	0	0	1	0	0	0	0	0	0	0	0	0	2005
10445	167	66.4	4458	0	0	0	1	0	0	0	0	0	0	0	0	2005
10485	168	68.9	4799	0	0	0	1	0	0	0	0	0	0	0	0	2005
10588	168	65.8	4470	0	0	0	1	0	0	0	0	0	0	0	0	2005
*12495	95	53.0	3047	0	0	0	1	0	0	0	0	0	0	0	1	2005

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
10872	168	67.1	4624	0	0	0	0	1	0	0	0	0	0	0	0	2005
10755	168	68.4	4835	0	0	0	0	1	0	0	0	0	0	0	0	2005
10683	168	70.4	5079	0	0	0	0	1	0	0	0	0	0	0	0	2005
10849	168	70.8	5102	0	0	0	0	1	0	0	0	0	0	0	0	2005
10842	168	66.0	4471	0	0	0	0	1	0	0	0	0	0	0	0	2005
10871	168	68.4	4784	0	0	0	0	0	1	0	0	0	0	0	0	2005
10766	168	68.4	4787	0	0	0	0	0	1	0	0	0	0	0	0	2005
10886	168	67.6	4714	0	0	0	0	0	1	0	0	0	0	0	0	2005
10791	144	72.4	5304	0	0	0	0	0	1	0	0	0	0	0	0	2005
10860	168	72.7	5342	0	0	0	0	0	0	1	0	0	0	0	0	2005
10992	168	61.5	3965	0	0	0	0	0	0	1	0	0	0	0	0	2005
11051	168	65.4	4396	0	0	0	0	0	0	1	0	0	0	0	0	2005
10859	168	73.2	5369	0	0	0	0	0	0	1	0	0	0	0	0	2005
11133	142	64.8	4370	0	0	0	0	0	0	0	1	0	0	0	0	2005
11040	135	70.8	5127	0	0	0	0	0	0	0	1	0	0	0	1	2005
10660	168	73.7	5453	0	0	0	0	0	0	0	1	0	0	0	0	2005
11050	168	73.5	5422	0	0	0	0	0	0	0	1	0	0	0	0	2005
11059	168	71.6	5143	0	0	0	0	0	0	0	1	0	0	0	0	2005
10930	168	68.8	4851	0	0	0	0	0	0	0	0	1	0	0	0	2005
10524	168	71.6	5205	0	0	0	0	0	0	0	0	1	0	0	0	2005
10809	168	71.6	5167	0	0	0	0	0	0	0	0	1	0	0	0	2005
11014	168	63.4	4139	0	0	0	0	0	0	0	0	1	0	0	0	2005
10906	168	66.1	4466	0	0	0	0	0	0	0	0	0	1	0	0	2005
10689	168	70.4	5065	0	0	0	0	0	0	0	0	0	1	0	0	2005
10457	168	68.1	4766	0	0	0	0	0	0	0	0	0	1	0	0	2005
10543	168	70.7	5101	0	0	0	0	0	0	0	0	0	1	0	0	2005
10723	169	72.2	5254	0	0	0	0	0	0	0	0	0	1	0	0	2005
10823	168	66.3	4415	0	0	0	0	0	0	0	0	0	0	1	0	2005
10948	168	59.2	3532	0	0	0	0	0	0	0	0	0	0	1	0	2005
10770	168	61.8	3845	0	0	0	0	0	0	0	0	0	0	1	0	2005
10813	168	61.4	3825	0	0	0	0	0	0	0	0	0	0	1	0	2005
10803	168	66.4	4528	0	0	0	0	0	0	0	0	0	0	0	0	2005
10827	168	66.3	4476	0	0	0	0	0	0	0	0	0	0	0	0	2005
10098	168	69.7	4871	0	0	0	0	0	0	0	0	0	0	0	0	2005
10032	168	64.3	4281	0	0	0	0	0	0	0	0	0	0	0	0	2005
9974	24	69.7	4966	0	0	0	0	0	0	0	0	0	0	0	0	2005
11054	168	67.1	4613	1	0	0	0	0	0	0	0	0	0	0	0	2006
10247	168	71.2	5136	1	0	0	0	0	0	0	0	0	0	0	0	2006
10415	123	66.8	4632	1	0	0	0	0	0	0	0	0	0	0	1	2006
10330	168	68.2	4792	1	0	0	0	0	0	0	0	0	0	0	0	2006
10451	168	70.2	5035	0	1	0	0	0	0	0	0	0	0	0	0	2006
10553	168	71.9	5250	0	1	0	0	0	0	0	0	0	0	0	0	2006
10489	168	71.6	5208	0	1	0	0	0	0	0	0	0	0	0	0	2006
10374	143	73.0	5399	0	1	0	0	0	0	0	0	0	0	0	0	2006
10498	154	68.6	4850	0	0	1	0	0	0	0	0	0	0	0	1	2006
10246	168	73.7	5477	0	0	1	0	0	0	0	0	0	0	0	0	2006
10831	168	75.9	5772	0	0	1	0	0	0	0	0	0	0	0	0	2006

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
10784	168	75.9	5766	0	0	1	0	0	0	0	0	0	0	0	0	2006
10436	167	75.5	5701	0	0	0	1	0	0	0	0	0	0	0	0	2006
10456	168	74.8	5613	0	0	0	1	0	0	0	0	0	0	0	0	2006
10551	168	74.4	5570	0	0	0	1	0	0	0	0	0	0	0	0	2006
10749	168	72.4	5273	0	0	0	1	0	0	0	0	0	0	0	0	2006
10347	168	69.8	4944	0	0	0	0	1	0	0	0	0	0	0	0	2006
10770	168	67.6	4690	0	0	0	0	1	0	0	0	0	0	0	0	2006
10693	168	66.3	4518	0	0	0	0	1	0	0	0	0	0	0	0	2006
11000	168	68.0	4752	0	0	0	0	1	0	0	0	0	0	0	0	2006
10931	168	70.9	5102	0	0	0	0	1	0	0	0	0	0	0	0	2006
10802	168	69.7	4975	0	0	0	0	0	1	0	0	0	0	0	0	2006
10935	168	72.5	5295	0	0	0	0	0	1	0	0	0	0	0	0	2006
11014	168	72.8	5359	0	0	0	0	0	1	0	0	0	0	0	0	2006
10918	144	72.0	5246	0	0	0	0	0	1	0	0	0	0	0	0	2006

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
10498	168	60.0	3760	0	0	0	0	0	0	1	0	0	0	0	0	2003
10487	168	65.6	4482	0	0	0	0	0	0	1	0	0	0	0	0	2003
10401	168	66.0	4540	0	0	0	0	0	0	1	0	0	0	0	0	2003
10444	168	64.8	4377	0	0	0	0	0	0	1	0	0	0	0	0	2003
10137	168	65.0	4404	0	0	0	0	0	0	0	1	0	0	0	0	2003
9962	168	65.4	4473	0	0	0	0	0	0	0	1	0	0	0	0	2003
10035	168	65.9	4494	0	0	0	0	0	0	0	1	0	0	0	0	2003
10064	168	65.9	4536	0	0	0	0	0	0	0	1	0	0	0	0	2003
10362	168	65.2	4444	0	0	0	0	0	0	0	1	0	0	0	0	2003
10814	168	62.0	4037	0	0	0	0	0	0	0	0	1	0	0	0	2003
10379	168	62.1	4058	0	0	0	0	0	0	0	0	1	0	0	0	2003
10239	168	61.3	3969	0	0	0	0	0	0	0	0	1	0	0	0	2003
10466	135	63.0	4223	0	0	0	0	0	0	0	0	1	0	0	1	2003
10321	168	63.1	4164	0	0	0	0	0	0	0	0	0	1	0	0	2003
10392	168	66.9	4653	0	0	0	0	0	0	0	0	0	1	0	0	2003
10436	168	69.0	4915	0	0	0	0	0	0	0	0	0	1	0	0	2003
10337	169	68.6	4882	0	0	0	0	0	0	0	0	0	1	0	0	2003
10318	93	55.5	3178	0	0	0	0	0	0	0	0	0	1	0	0	2003
10520	55	53.2	3090	0	0	0	0	0	0	0	0	0	0	1	2	2003
10802	123	63.6	4324	0	0	0	0	0	0	0	0	0	0	1	1	2003
10480	168	70.0	4975	0	0	0	0	0	0	0	0	0	0	0	0	2003
10346	165	67.4	4698	0	0	0	0	0	0	0	0	0	0	0	0	2003
11024	99	63.0	4181	0	0	0	0	0	0	0	0	0	0	0	2	2003
10714	168	52.9	2922	0	0	0	0	0	0	0	0	0	0	0	0	2003
10711	24	58.8	3615	0	0	0	0	0	0	0	0	0	0	0	0	2003
10567	168	57.3	3464	1	0	0	0	0	0	0	0	0	0	0	0	2004
10347	168	71.7	5225	1	0	0	0	0	0	0	0	0	0	0	0	2004
10391	168	66.6	4565	1	0	0	0	0	0	0	0	0	0	0	0	2004
10428	168	68.5	4819	1	0	0	0	0	0	0	0	0	0	0	0	2004
10531	168	64.9	4364	0	1	0	0	0	0	0	0	0	0	0	0	2004
10492	168	66.6	4569	0	1	0	0	0	0	0	0	0	0	0	0	2004
10490	164	70.1	5003	0	1	0	0	0	0	0	0	0	0	0	0	2004
10634	147	69.5	4903	0	1	0	0	0	0	0	0	0	0	0	1	2004
10495	168	70.6	5029	0	1	0	0	0	0	0	0	0	0	0	0	2004
10440	168	71.6	5225	0	0	1	0	0	0	0	0	0	0	0	0	2004
10316	168	77.1	5953	0	0	1	0	0	0	0	0	0	0	0	0	2004
10333	168	77.2	5968	0	0	1	0	0	0	0	0	0	0	0	0	2004
10359	168	72.1	5291	0	0	1	0	0	0	0	0	0	0	0	0	2004
10463	167	75.3	5692	0	0	0	1	0	0	0	0	0	0	0	0	2004
10445	168	69.9	5031	0	0	0	1	0	0	0	0	0	0	0	0	2004
10492	168	71.3	5192	0	0	0	1	0	0	0	0	0	0	0	0	2004
10574	168	72.3	5332	0	0	0	1	0	0	0	0	0	0	0	0	2004
10616	168	60.7	3869	0	0	0	0	1	0	0	0	0	0	0	0	2004
10596	168	66.8	4631	0	0	0	0	1	0	0	0	0	0	0	0	2004
10615	168	67.8	4754	0	0	0	0	1	0	0	0	0	0	0	0	2004
10630	168	66.3	4568	0	0	0	0	1	0	0	0	0	0	0	0	2004
10784	168	64.6	4358	0	0	0	0	1	0	0	0	0	0	0	0	2004

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
10506	168	65.0	4400	0	0	0	0	0	1	0	0	0	0	0	0	2004
10538	168	68.7	4855	0	0	0	0	0	1	0	0	0	0	0	0	2004
10642	168	67.1	4675	0	0	0	0	0	1	0	0	0	0	0	0	2004
10749	168	66.3	4573	0	0	0	0	0	1	0	0	0	0	0	0	2004
10653	168	65.0	4403	0	0	0	0	0	0	1	0	0	0	0	0	2004
10758	168	65.6	4463	0	0	0	0	0	0	1	0	0	0	0	0	2004
10625	168	65.9	4529	0	0	0	0	0	0	1	0	0	0	0	0	2004
10702	168	67.6	4757	0	0	0	0	0	0	1	0	0	0	0	0	2004
10551	168	68.5	4843	0	0	0	0	0	0	0	1	0	0	0	0	2004
10665	168	67.3	4697	0	0	0	0	0	0	0	1	0	0	0	0	2004
10538	168	67.9	4774	0	0	0	0	0	0	0	1	0	0	0	0	2004
10466	168	71.0	5139	0	0	0	0	0	0	0	1	0	0	0	0	2004
10681	141	71.6	5250	0	0	0	0	0	0	0	1	0	0	0	1	2004
10796	168	63.1	4169	0	0	0	0	0	0	0	0	1	0	0	0	2004
10905	168	63.8	4288	0	0	0	0	0	0	0	0	1	0	0	0	2004
11208	114	53.9	3096	0	0	0	0	0	0	0	0	1	0	0	1	2004
10722	168	67.3	4630	0	0	0	0	0	0	0	0	1	0	0	0	2004
10891	168	69.5	4959	0	0	0	0	0	0	0	0	0	1	0	0	2004
10906	168	70.0	5011	0	0	0	0	0	0	0	0	0	1	0	0	2004
10829	168	69.9	5023	0	0	0	0	0	0	0	0	0	1	0	0	2004
10862	168	71.6	5221	0	0	0	0	0	0	0	0	0	1	0	0	2004
10753	169	73.7	5486	0	0	0	0	0	0	0	0	0	1	0	0	2004
11002	168	66.2	4582	0	0	0	0	0	0	0	0	0	0	1	0	2004
10677	168	70.4	5046	0	0	0	0	0	0	0	0	0	0	1	0	2004
10690	168	69.2	4905	0	0	0	0	0	0	0	0	0	0	1	0	2004
10878	168	59.7	3665	0	0	0	0	0	0	0	0	0	0	1	0	2004
10616	168	68.0	4703	0	0	0	0	0	0	0	0	0	0	0	0	2004
10739	168	65.3	4351	0	0	0	0	0	0	0	0	0	0	0	0	2004
10602	168	65.4	4413	0	0	0	0	0	0	0	0	0	0	0	0	2004
10984	168	62.4	4058	0	0	0	0	0	0	0	0	0	0	0	0	2004
11461	24	46.0	2135	0	0	0	0	0	0	0	0	0	0	0	0	2004
10471	67	48.4	2389	1	0	0	0	0	0	0	0	0	0	0	0	2005
11147	164	59.0	3688	1	0	0	0	0	0	0	0	0	0	0	1	2005
9451	168	71.1	5156	1	0	0	0	0	0	0	0	0	0	0	0	2005
9985	168	74.6	5571	0	1	0	0	0	0	0	0	0	0	0	0	2005
10379	168	62.5	4051	0	1	0	0	0	0	0	0	0	0	0	0	2005
11271	168	56.7	3351	0	1	0	0	0	0	0	0	0	0	0	0	2005
* 9499	138	61.5	3960	0	1	0	0	0	0	0	0	0	0	0	1	2005
10605	168	68.8	4820	0	0	1	0	0	0	0	0	0	0	0	0	2005
10706	168	69.1	4872	0	0	1	0	0	0	0	0	0	0	0	0	2005
9846	168	72.7	5335	0	0	1	0	0	0	0	0	0	0	0	0	2005
10750	168	69.5	4934	0	0	1	0	0	0	0	0	0	0	0	0	2005
10646	168	67.8	4744	0	0	1	0	0	0	0	0	0	0	0	0	2005
10047	167	63.5	4117	0	0	0	1	0	0	0	0	0	0	0	0	2005
10014	168	68.2	4676	0	0	0	1	0	0	0	0	0	0	0	0	2005
10039	168	67.8	4702	0	0	0	1	0	0	0	0	0	0	0	0	2005
11754	125	65.7	4362	0	0	0	1	0	0	0	0	0	0	0	0	2005

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
*11973	147	63.5	4178	0	0	0	0	1	0	0	0	0	0	0	1	2005
10564	168	67.5	4698	0	0	0	0	1	0	0	0	0	0	0	0	2005
10675	150	69.1	4956	0	0	0	0	1	0	0	0	0	0	0	0	2005
10577	168	70.9	5120	0	0	0	0	1	0	0	0	0	0	0	0	2005
10747	168	66.9	4593	0	0	0	0	1	0	0	0	0	0	0	0	2005
10876	168	67.3	4619	0	0	0	0	0	1	0	0	0	0	0	0	2005
10601	168	69.1	4893	0	0	0	0	0	1	0	0	0	0	0	0	2005
10677	168	67.6	4725	0	0	0	0	0	1	0	0	0	0	0	0	2005
10663	144	72.4	5312	0	0	0	0	0	1	0	0	0	0	0	0	2005
10714	168	72.5	5300	0	0	0	0	0	0	1	0	0	0	0	0	2005
11268	142	63.9	4290	0	0	0	0	0	0	1	0	0	0	0	1	2005
11112	168	65.7	4427	0	0	0	0	0	0	1	0	0	0	0	0	2005
11013	168	73.1	5356	0	0	0	0	0	0	1	0	0	0	0	0	2005
10666	168	72.2	5268	0	0	0	0	0	0	0	1	0	0	0	0	2005
10568	168	72.2	5263	0	0	0	0	0	0	0	1	0	0	0	0	2005
10836	168	72.1	5228	0	0	0	0	0	0	0	1	0	0	0	0	2005
10902	168	73.7	5442	0	0	0	0	0	0	0	1	0	0	0	0	2005
11289	166	66.0	4575	0	0	0	0	0	0	0	1	0	0	0	0	2005
11238	168	65.1	4408	0	0	0	0	0	0	0	0	1	0	0	0	2005
10564	168	70.4	5057	0	0	0	0	0	0	0	0	1	0	0	0	2005
10781	168	73.0	5353	0	0	0	0	0	0	0	0	1	0	0	0	2005
11020	168	66.8	4539	0	0	0	0	0	0	0	0	1	0	0	0	2005
10612	168	74.4	5552	0	0	0	0	0	0	0	0	0	1	0	0	2005
10526	168	72.0	5280	0	0	0	0	0	0	0	0	0	1	0	0	2005
10306	168	69.1	4918	0	0	0	0	0	0	0	0	0	1	0	0	2005
10276	168	72.5	5336	0	0	0	0	0	0	0	0	0	1	0	0	2005
*11856	111	71.6	5267	0	0	0	0	0	0	0	0	0	1	0	1	2005
10386	168	72.8	5318	0	0	0	0	0	0	0	0	0	0	1	0	2005
10274	168	73.2	5388	0	0	0	0	0	0	0	0	0	0	1	0	2005
10812	168	70.8	5091	0	0	0	0	0	0	0	0	0	0	1	0	2005
10010	168	70.7	5069	0	0	0	0	0	0	0	0	0	0	1	0	2005
10483	12	67.8	4592	0	0	0	0	0	0	0	0	0	0	0	0	2005
*13096	60	65.2	4489	0	0	0	0	0	0	0	0	0	0	0	1	2005
10050	168	64.9	4327	0	0	0	0	0	0	0	0	0	0	0	0	2005
10058	24	69.0	4872	0	0	0	0	0	0	0	0	0	0	0	0	2005
11016	168	66.3	4503	1	0	0	0	0	0	0	0	0	0	0	0	2006
10353	168	67.3	4615	1	0	0	0	0	0	0	0	0	0	0	0	2006
10359	168	69.9	4957	1	0	0	0	0	0	0	0	0	0	0	0	2006
10514	168	66.8	4591	1	0	0	0	0	0	0	0	0	0	0	0	2006
10385	168	67.6	4704	0	1	0	0	0	0	0	0	0	0	0	0	2006
10337	168	70.8	5086	0	1	0	0	0	0	0	0	0	0	0	0	2006
10523	168	68.9	4836	0	1	0	0	0	0	0	0	0	0	0	0	2006
10247	145	65.1	4378	0	1	0	0	0	0	0	0	0	0	0	0	2006
10462	165	67.8	4754	0	0	1	0	0	0	0	0	0	0	0	1	2006
10124	168	71.9	5208	0	0	1	0	0	0	0	0	0	0	0	0	2006
10863	168	74.2	5517	0	0	1	0	0	0	0	0	0	0	0	0	2006
10808	168	75.8	5746	0	0	1	0	0	0	0	0	0	0	0	0	2006

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
10422	167	72.8	5315	0	0	0	1	0	0	0	0	0	0	0	0	2006
10375	168	71.3	5101	0	0	0	1	0	0	0	0	0	0	0	0	2006
10440	168	72.4	5286	0	0	0	1	0	0	0	0	0	0	0	0	2006
10542	168	71.1	5081	0	0	0	1	0	0	0	0	0	0	0	0	2006
10575	168	67.5	4651	0	0	0	0	1	0	0	0	0	0	0	0	2006
10723	168	64.9	4339	0	0	0	0	1	0	0	0	0	0	0	0	2006
11047	168	63.7	4192	0	0	0	0	1	0	0	0	0	0	0	0	2006
10638	168	68.6	4813	0	0	0	0	1	0	0	0	0	0	0	0	2006
10443	168	69.2	4869	0	0	0	0	1	0	0	0	0	0	0	0	2006
10440	168	68.3	4782	0	0	0	0	0	1	0	0	0	0	0	0	2006
*12763	133	67.6	4685	0	0	0	0	0	1	0	0	0	0	0	1	2006
10732	168	70.8	5062	0	0	0	0	0	1	0	0	0	0	0	0	2006
10430	144	69.6	4922	0	0	0	0	0	1	0	0	0	0	0	0	2006

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
10703	168	228.4	57836	0	0	0	0	0	0	1	0	0	0	0	0	2003
10665	89	234.6	59513	0	0	0	0	0	0	1	0	0	0	0	1	2003
10345	168	264.3	7560	0	0	0	0	0	0	1	0	0	0	0	0	2003
10507	161	246.7	65509	0	0	0	0	0	0	1	0	0	0	0	0	2003
10476	168	254.2	3333	0	0	0	0	0	0	0	1	0	0	0	0	2003
10293	168	255.0	3336	0	0	0	0	0	0	0	1	0	0	0	0	2003
10291	168	264.2	7434	0	0	0	0	0	0	0	1	0	0	0	0	2003
10305	168	262.6	6902	0	0	0	0	0	0	0	1	0	0	0	0	2003
10184	168	276.1	12335	0	0	0	0	0	0	0	1	0	0	0	0	2003
10301	168	257.7	4516	0	0	0	0	0	0	0	0	1	0	0	0	2003
10359	168	254.8	2714	0	0	0	0	0	0	0	0	1	0	0	0	2003
10373	168	246.1	64750	0	0	0	0	0	0	0	0	1	0	0	0	2003
10288	168	251.2	1812	0	0	0	0	0	0	0	0	1	0	0	0	2003
*11512	168	251.2	1856	0	0	0	0	0	0	0	0	0	1	0	0	2003
*11675	168	260.0	5340	0	0	0	0	0	0	0	0	0	1	0	0	2003
11590	168	230.4	59733	0	0	0	0	0	0	0	0	0	1	0	0	2003
* 8778	169	252.9	2755	0	0	0	0	0	0	0	0	0	1	0	0	2003
* 9357	168	239.2	63040	0	0	0	0	0	0	0	0	0	1	0	0	2003
10417	168	277.2	13593	0	0	0	0	0	0	0	0	0	0	1	0	2003
10608	168	276.1	13453	0	0	0	0	0	0	0	0	0	0	1	0	2003
10423	168	258.8	4323	0	0	0	0	0	0	0	0	0	0	1	0	2003
10363	168	263.8	7551	0	0	0	0	0	0	0	0	0	0	1	0	2003
10385	168	276.6	13273	0	0	0	0	0	0	0	0	0	0	0	0	2003
10220	168	272.2	11323	0	0	0	0	0	0	0	0	0	0	0	0	2003
10145	168	266.9	8326	0	0	0	0	0	0	0	0	0	0	0	0	2003
9887	168	208.3	47580	0	0	0	0	0	0	0	0	0	0	0	0	2003
10276	24	245.9	65409	0	0	0	0	0	0	0	0	0	0	0	0	2003
*175492	7	48.0	3497	1	0	0	0	0	0	0	0	0	0	0	1	2004
9669	91	271.9	11916	0	1	0	0	0	0	0	0	0	0	0	0	2004
9610	168	264.7	7535	0	1	0	0	0	0	0	0	0	0	0	0	2004
9644	168	288.9	18821	0	1	0	0	0	0	0	0	0	0	0	0	2004
*9504	145	280.0	15581	0	1	0	0	0	0	0	0	0	0	0	0	2004
9547	168	278.6	14018	0	1	0	0	0	0	0	0	0	0	0	0	2004
9934	152	280.0	14942	0	0	1	0	0	0	0	0	0	0	0	0	2004
9798	167	262.7	6575	0	0	1	0	0	0	0	0	0	0	0	0	2004
9790	167	278.7	13646	0	0	1	0	0	0	0	0	0	0	0	0	2004
9852	168	283.4	16255	0	0	1	0	0	0	0	0	0	0	0	0	2004
9057	4	171.3	29362	0	0	0	1	0	0	0	0	0	0	0	0	2004
10406	115	257.0	5430	0	0	0	1	0	0	0	0	0	0	0	1	2004
10389	168	221.3	53157	0	0	0	0	1	0	0	0	0	0	0	0	2004
10694	168	239.1	62131	0	0	0	0	1	0	0	0	0	0	0	0	2004
10710	138	251.0	2485	0	0	0	0	1	0	0	0	0	0	0	1	2004
10623	168	240.7	63153	0	0	0	0	1	0	0	0	0	0	0	0	2004
10581	140	245.1	271	0	0	0	0	1	0	0	0	0	0	0	1	2004
10054	163	241.2	63766	0	0	0	0	0	1	0	0	0	0	0	0	2004
10532	132	259.3	5984	0	0	0	0	0	1	0	0	0	0	0	1	2004
10203	168	251.5	2491	0	0	0	0	0	1	0	0	0	0	0	0	2004

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
10157	168	247.6	1262	0	0	0	0	0	1	0	0	0	0	0	0	2004
10405	168	241.7	63812	0	0	0	0	0	0	1	0	0	0	0	0	2004
10323	168	250.9	2260	0	0	0	0	0	0	1	0	0	0	0	0	2004
10536	121	248.1	1016	0	0	0	0	0	0	1	0	0	0	0	1	2004
10492	168	250.7	2086	0	0	0	0	0	0	1	0	0	0	0	0	2004
*10457	161	235.5	62236	0	0	0	0	0	0	0	1	0	0	0	0	2004
10348	168	259.5	5978	0	0	0	0	0	0	0	1	0	0	0	0	2004
10381	168	257.0	5018	0	0	0	0	0	0	0	1	0	0	0	0	2004
10564	168	274.8	12325	0	0	0	0	0	0	0	1	0	0	0	0	2004
10633	168	282.8	16216	0	0	0	0	0	0	0	1	0	0	0	0	2004
10657	168	240.7	63485	0	0	0	0	0	0	0	0	1	0	0	0	2004
10434	168	233.0	60185	0	0	0	0	0	0	0	0	1	0	0	0	2004
*11310	20	89.3	10447	0	0	0	0	0	0	0	0	1	0	0	1	2004
*10333	168	195.1	44119	0	0	0	0	0	0	0	0	1	0	0	0	2004
9957	168	282.2	16147	0	0	0	0	0	0	0	0	0	1	0	0	2004
9897	152	288.2	18984	0	0	0	0	0	0	0	0	0	1	0	0	2004
10234	148	257.0	5891	0	0	0	0	0	0	0	0	0	1	0	1	2004
10558	166	287.4	18301	0	0	0	0	0	0	0	0	0	1	0	0	2004
10266	131	291.9	21278	0	0	0	0	0	0	0	0	0	1	0	1	2004
10296	168	280.0	14758	0	0	0	0	0	0	0	0	0	0	1	0	2004
• 9643	139	232.9	62546	0	0	0	0	0	0	0	0	0	0	1	1	2004
9623	168	278.2	14601	0	0	0	0	0	0	0	0	0	0	1	0	2004
11173	168	243.2	64217	0	0	0	0	0	0	0	0	0	0	1	0	2004
9850	45	298.9	24346	0	0	0	0	0	0	0	0	0	0	0	0	2004
10615	143	272.3	12156	0	0	0	0	0	0	0	0	0	0	0	1	2004
10506	166	286.3	18246	0	0	0	0	0	0	0	0	0	0	0	0	2004
*11312	24	236.3	59120	0	0	0	0	0	0	0	0	0	0	0	0	2004
* 8644	168	250.8	1572	1	0	0	0	0	0	0	0	0	0	0	0	2005
• 8266	168	285.0	16877	1	0	0	0	0	0	0	0	0	0	0	0	2005
* 8308	168	276.3	12709	1	0	0	0	0	0	0	0	0	0	0	0	2005
*16833	152	265.8	7601	1	0	0	0	0	0	0	0	0	0	0	0	2005
* 8086	167	289.6	19818	0	1	0	0	0	0	0	0	0	0	0	0	2005
*10879	168	247.5	64878	0	1	0	0	0	0	0	0	0	0	0	0	2005
9957	168	235.5	58384	0	1	0	0	0	0	0	0	0	0	0	0	2005
10228	168	253.4	2246	0	1	0	0	0	0	0	0	0	0	0	0	2005
*10781	168	268.8	8772	0	0	1	0	0	0	0	0	0	0	0	0	2005
9349	168	283.7	16270	0	0	1	0	0	0	0	0	0	0	0	0	2005
*11950	137	277.1	13710	0	0	1	0	0	0	0	0	0	0	0	1	2005
9532	168	274.0	11524	0	0	1	0	0	0	0	0	0	0	0	0	2005
*10952	168	248.6	64741	0	0	1	0	0	0	0	0	0	0	0	0	2005
* 8634	167	286.4	18101	0	0	0	1	0	0	0	0	0	0	0	0	2005
* 8759	168	291.2	20106	0	0	0	1	0	0	0	0	0	0	0	0	2005
* 8925	167	263.9	7681	0	0	0	1	0	0	0	0	0	0	0	0	2005
*20445	97	249.3	2895	0	0	0	1	0	0	0	0	0	0	0	3	2005
10365	168	275.9	12688	0	0	0	0	1	0	0	0	0	0	0	0	2005
10584	168	265.1	8120	0	0	0	0	1	0	0	0	0	0	0	0	2005
10541	168	272.8	11652	0	0	0	0	1	0	0	0	0	0	0	0	2005

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
10629	168	284.8	17037	0	0	0	0	1	0	0	0	0	0	0	0	2005
10629	168	253.4	2115	0	0	0	0	1	0	0	0	0	0	0	0	2005
10722	168	279.1	13970	0	0	0	0	0	1	0	0	0	0	0	0	2005
*10776	139	261.2	4198	0	0	0	0	0	1	0	0	0	0	0	0	2005
10587	135	264.8	8582	0	0	0	0	0	1	0	0	0	0	0	1	2005
10445	144	274.2	12256	0	0	0	0	0	1	0	0	0	0	0	0	2005
10477	168	239.4	63010	0	0	0	0	0	0	1	0	0	0	0	0	2005
10958	160	252.7	4867	0	0	0	0	0	0	1	0	0	0	0	0	2005
10617	168	286.8	17926	0	0	0	0	0	0	1	0	0	0	0	0	2005
10714	168	290.3	19916	0	0	0	0	0	0	1	0	0	0	0	0	2005
9848	168	285.9	17619	0	0	0	0	0	0	0	1	0	0	0	0	2005
• 9057	166	276.6	13725	0	0	0	0	0	0	0	1	0	0	0	0	2005
• 9076	168	277.2	13856	0	0	0	0	0	0	0	1	0	0	0	0	2005
• 9199	168	285.6	17341	0	0	0	0	0	0	0	1	0	0	0	0	2005
*18340	133	269.0	11056	0	0	0	0	0	0	0	1	0	0	0	0	2005
* 8971	168	281.4	15203	0	0	0	0	0	0	0	0	1	0	0	0	2005
*11998	146	276.7	13996	0	0	0	0	0	0	0	0	1	0	0	0	2005
*13219	28	270.4	11736	0	0	0	0	0	0	0	0	1	0	0	0	2005
*16439	30	88.0	8549	0	0	0	0	0	0	0	0	0	0	1	1	2005
*19524	140	175.1	35083	0	0	0	0	0	0	0	0	0	0	1	0	2005
*11898	138	254.0	2600	0	0	0	0	0	0	0	0	0	0	0	1	2005
* 9770	136	262.9	7895	0	0	0	0	0	0	0	0	0	0	0	1	2005
* 6647	168	294.7	21426	0	0	0	0	0	0	0	0	0	0	0	0	2005
10341	168	254.7	2701	0	0	0	0	0	0	0	0	0	0	0	0	2005
* 6389	24	258.8	3121	0	0	0	0	0	0	0	0	0	0	0	0	2005
* 7503	153	254.8	3673	1	0	0	0	0	0	0	0	0	0	0	0	2006
10788	168	279.3	13395	1	0	0	0	0	0	0	0	0	0	0	0	2006
10729	168	267.9	8415	1	0	0	0	0	0	0	0	0	0	0	0	2006
10870	168	252.8	720	1	0	0	0	0	0	0	0	0	0	0	0	2006
10520	168	263.8	6602	0	1	0	0	0	0	0	0	0	0	0	0	2006
10383	168	274.5	11076	0	1	0	0	0	0	0	0	0	0	0	0	2006
10364	168	276.9	12448	0	1	0	0	0	0	0	0	0	0	0	0	2006
*10204	140	256.1	2005	0	1	0	0	0	0	0	0	0	0	0	1	2006
*11968	139	281.8	15718	0	0	1	0	0	0	0	0	0	0	0	1	2006
9727	168	280.5	14512	0	0	1	0	0	0	0	0	0	0	0	0	2006
9562	145	276.7	13330	0	0	1	0	0	0	0	0	0	0	0	0	2006
10257	124	201.5	44671	0	0	0	0	1	0	0	0	0	0	0	1	2006
*11344	168	240.3	60470	0	0	0	0	1	0	0	0	0	0	0	0	2006
10066	168	267.2	7727	0	0	0	0	1	0	0	0	0	0	0	0	2006
10498	168	288.6	17895	0	0	0	0	0	1	0	0	0	0	0	0	2006
10637	168	290.1	18754	0	0	0	0	0	1	0	0	0	0	0	0	2006
10514	168	287.3	17650	0	0	0	0	0	1	0	0	0	0	0	0	2006
10469	144	293.3	20572	0	0	0	0	0	1	0	0	0	0	0	0	2006

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
10674	168	384.0	28887	0	0	0	0	0	0	1	0	0	0	0	0	2003
10212	168	429.4	60300	0	0	0	0	0	0	1	0	0	0	0	0	2003
10204	168	435.2	64104	0	0	0	0	0	0	1	0	0	0	0	0	2003
10120	168	444.6	5142	0	0	0	0	0	0	1	0	0	0	0	0	2003
10126	168	430.0	59749	0	0	0	0	0	0	0	1	0	0	0	0	2003
10130	168	432.6	62919	0	0	0	0	0	0	0	1	0	0	0	0	2003
10143	168	443.6	4851	0	0	0	0	0	0	0	1	0	0	0	0	2003
10219	168	446.9	7051	0	0	0	0	0	0	0	1	0	0	0	0	2003
10189	168	454.0	11316	0	0	0	0	0	0	0	1	0	0	0	0	2003
10451	168	428.1	58284	0	0	0	0	0	0	0	0	1	0	0	0	2003
10424	168	432.5	62176	0	0	0	0	0	0	0	0	1	0	0	0	2003
10392	168	419.9	53764	0	0	0	0	0	0	0	0	1	0	0	0	2003
10564	113	402.7	43099	0	0	0	0	0	0	0	0	1	0	0	1	2003
10176	168	427.2	58354	0	0	0	0	0	0	0	0	0	1	0	0	2003
10402	167	437.1	810	0	0	0	0	0	0	0	0	0	1	0	0	2003
10320	143	303.0	42635	0	0	0	0	0	0	0	0	0	1	0	1	2003
10372	169	378.3	27275	0	0	0	0	0	0	0	0	0	1	0	0	2003
10339	168	401.3	41290	0	0	0	0	0	0	0	0	0	1	0	0	2003
10136	168	457.5	15522	0	0	0	0	0	0	0	0	0	0	1	0	2003
10328	168	454.5	13568	0	0	0	0	0	0	0	0	0	0	1	0	2003
10285	168	457.3	15421	0	0	0	0	0	0	0	0	0	0	1	0	2003
10314	168	442.7	5822	0	0	0	0	0	0	0	0	0	0	1	0	2003
10270	168	448.1	8110	0	0	0	0	0	0	0	0	0	0	0	0	2003
10183	168	440.3	2412	0	0	0	0	0	0	0	0	0	0	0	0	2003
10184	168	447.6	8590	0	0	0	0	0	0	0	0	0	0	0	0	2003
10349	168	393.1	34928	0	0	0	0	0	0	0	0	0	0	0	0	2003
10476	24	411.4	50446	0	0	0	0	0	0	0	0	0	0	0	0	2003
10362	168	351.6	5197	1	0	0	0	0	0	0	0	0	0	0	0	2004
10105	168	465.8	21599	1	0	0	0	0	0	0	0	0	0	0	0	2004
10211	168	431.5	61561	1	0	0	0	0	0	0	0	0	0	0	0	2004
10218	168	435.1	64899	1	0	0	0	0	0	0	0	0	0	0	0	2004
10133	94	437.9	2135	0	1	0	0	0	0	0	0	0	0	0	0	2004
11789	25	288.6	34975	0	0	0	1	0	0	0	0	0	0	0	1	2004
10895	37	336.6	4192	0	0	0	1	0	0	0	0	0	0	0	1	2004
10496	166	343.9	1556	0	0	0	0	1	0	0	0	0	0	0	0	2004
10588	168	393.2	36388	0	0	0	0	1	0	0	0	0	0	0	0	2004
10511	121	394.6	37010	0	0	0	0	1	0	0	0	0	0	0	1	2004
10335	168	408.0	46083	0	0	0	0	1	0	0	0	0	0	0	0	2004
10432	168	370.9	20023	0	0	0	0	1	0	0	0	0	0	0	0	2004
10313	168	383.7	29981	0	0	0	0	0	1	0	0	0	0	0	0	2004
10407	130	375.1	23331	0	0	0	0	0	1	0	0	0	0	0	1	2004
10327	168	395.8	37430	0	0	0	0	0	1	0	0	0	0	0	0	2004
10434	124	362.7	16316	0	0	0	0	0	1	0	0	0	0	0	1	2004
10406	139	377.9	26238	0	0	0	0	0	0	1	0	0	0	0	1	2004
10399	168	406.5	44776	0	0	0	0	0	0	1	0	0	0	0	0	2004
10450	136	372.8	24340	0	0	0	0	0	0	1	0	0	0	0	1	2004
10319	168	413.9	49849	0	0	0	0	0	0	1	0	0	0	0	0	2004

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
10688	162	359.8	14783	0	0	0	0	0	0	0	1	0	0	0	0	2004
10879	168	296.0	24387	0	0	0	0	0	0	0	1	0	0	0	0	2004
10410	168	413.3	49499	0	0	0	0	0	0	0	1	0	0	0	0	2004
10338	168	448.8	8948	0	0	0	0	0	0	0	1	0	0	0	0	2004
10383	147	429.3	62430	0	0	0	0	0	0	0	1	0	0	0	0	2004
10334	168	387.6	32273	0	0	0	0	0	0	0	0	1	0	0	0	2004
10478	168	384.0	30326	0	0	0	0	0	0	0	0	1	0	0	0	2004
*15913	4	30.0	2630	0	0	0	0	0	0	0	0	1	0	0	0	2004
10774	91	397.8	38711	0	0	0	0	0	0	0	0	1	0	0	1	2004
10366	168	441.4	4042	0	0	0	0	0	0	0	0	0	1	0	0	2004
10525	168	369.8	21088	0	0	0	0	0	0	0	0	0	1	0	0	2004
10317	168	436.3	649	0	0	0	0	0	0	0	0	0	1	0	0	2004
10459	168	468.4	23070	0	0	0	0	0	0	0	0	0	1	0	0	2004
10493	137	447.4	8803	0	0	0	0	0	0	0	0	0	1	0	1	2004
10223	168	450.7	10122	0	0	0	0	0	0	0	0	0	0	1	0	2004
10214	168	463.7	19382	0	0	0	0	0	0	0	0	0	0	1	0	2004
10281	168	442.1	4651	0	0	0	0	0	0	0	0	0	0	1	0	2004
10357	168	410.4	47081	0	0	0	0	0	0	0	0	0	0	1	0	2004
10165	168	461.8	18458	0	0	0	0	0	0	0	0	0	0	0	0	2004
10187	168	431.9	62199	0	0	0	0	0	0	0	0	0	0	0	0	2004
10179	168	451.6	10664	0	0	0	0	0	0	0	0	0	0	0	0	2004
10448	168	457.8	15997	0	0	0	0	0	0	0	0	0	0	0	0	2004
10006	24	400.8	35669	0	0	0	0	0	0	0	0	0	0	0	0	2004
11377	168	409.0	44831	1	0	0	0	0	0	0	0	0	0	0	0	2005
* 8439	168	462.4	18274	1	0	0	0	0	0	0	0	0	0	0	0	2005
10390	168	457.6	14197	1	0	0	0	0	0	0	0	0	0	0	0	2005
10474	167	456.2	13598	1	0	0	0	0	0	0	0	0	0	0	0	2005
* 5180	47	215.2	49335	0	0	0	1	0	0	0	0	0	0	0	1	2005
*16597	156	202.5	42371	0	0	0	1	0	0	0	0	0	0	0	0	2005
12816	113	213.8	46622	0	0	0	1	0	0	0	0	0	0	0	1	2005
*10701	168	203.3	42704	0	0	0	0	1	0	0	0	0	0	0	0	2005
11455	168	178.5	32498	0	0	0	0	1	0	0	0	0	0	0	0	2005
11492	144	183.5	33896	0	0	0	0	1	0	0	0	0	0	0	0	2005
*15081	9	207.4	53436	0	0	0	0	1	0	0	0	0	0	0	1	2005
12472	124	253.9	840	0	0	0	0	1	0	0	0	0	0	0	1	2005
10893	168	277.3	11386	0	0	0	0	0	1	0	0	0	0	0	0	2005
10891	99	274.2	11943	0	0	0	0	0	1	0	0	0	0	0	1	2005
11026	168	273.1	9515	0	0	0	0	0	1	0	0	0	0	0	0	2005
11265	144	255.3	769	0	0	0	0	0	1	0	0	0	0	0	0	2005
10962	168	281.6	13822	0	0	0	0	0	0	1	0	0	0	0	0	2005
10965	58	255.6	1875	0	0	0	0	0	0	1	0	0	0	0	0	2005
12778	138	156.1	28846	0	0	0	0	0	0	1	0	0	0	0	1	2005
11144	168	278.5	12014	0	0	0	0	0	0	0	1	0	0	0	0	2005
11190	168	278.4	11955	0	0	0	0	0	0	0	1	0	0	0	0	2005
11106	168	275.6	10569	0	0	0	0	0	0	0	1	0	0	0	0	2005
10992	168	277.6	11504	0	0	0	0	0	0	0	1	0	0	0	0	2005
10958	168	276.6	11034	0	0	0	0	0	0	0	1	0	0	0	0	2005

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
*12434	143	267.9	7278	0	0	0	0	0	0	0	0	1	0	0	0	2005
9788	66	443.2	4160	0	0	0	0	0	0	0	0	1	0	0	1	2005
9902	168	437.8	873	0	0	0	0	0	0	0	0	1	0	0	0	2005
*11801	129	452.5	12315	0	0	0	0	0	0	0	0	1	0	0	1	2005
11090	164	378.6	22266	0	0	0	0	0	0	0	0	0	1	0	0	2005
10245	157	452.6	11950	0	0	0	0	0	0	0	0	0	1	0	0	2005
10300	150	438.7	1059	0	0	0	0	0	0	0	0	0	1	0	0	2005
10299	168	462.1	18247	0	0	0	0	0	0	0	0	0	1	0	0	2005
• 9188	169	455.7	14435	0	0	0	0	0	0	0	0	0	1	0	0	2005
*21874	109	413.6	51114	0	0	0	0	0	0	0	0	0	0	1	1	2005
* 7814	168	462.2	18698	0	0	0	0	0	0	0	0	0	0	1	0	2005
* 7759	168	461.6	17839	0	0	0	0	0	0	0	0	0	0	1	0	2005
* 9370	168	442.6	3529	0	0	0	0	0	0	0	0	0	0	1	0	2005
10952	168	426.9	57542	0	0	0	0	0	0	0	0	0	0	0	0	2005
10368	168	466.8	21562	0	0	0	0	0	0	0	0	0	0	0	0	2005
10353	168	458.6	16090	0	0	0	0	0	0	0	0	0	0	0	0	2005
10324	168	437.9	65497	0	0	0	0	0	0	0	0	0	0	0	0	2005
10287	24	438.0	65125	0	0	0	0	0	0	0	0	0	0	0	0	2005
10061	168	433.3	61617	1	0	0	0	0	0	0	0	0	0	0	0	2006
10088	168	455.9	12042	1	0	0	0	0	0	0	0	0	0	0	0	2006
10124	168	458.1	14385	1	0	0	0	0	0	0	0	0	0	0	0	2006
10206	168	442.0	1179	1	0	0	0	0	0	0	0	0	0	0	0	2006
10278	96	432.4	60120	0	1	0	0	0	0	0	0	0	0	0	0	2006
10477	146	425.0	54423	0	1	0	0	0	0	0	0	0	0	0	1	2006
10343	168	464.8	19881	0	1	0	0	0	0	0	0	0	0	0	0	2006
10367	168	459.3	15325	0	1	0	0	0	0	0	0	0	0	0	0	2006
10404	168	466.4	21012	0	0	1	0	0	0	0	0	0	0	0	0	2006
10512	168	459.2	15233	0	0	1	0	0	0	0	0	0	0	0	0	2006
10475	168	457.9	13811	0	0	1	0	0	0	0	0	0	0	0	0	2006
10562	168	463.5	18877	0	0	1	0	0	0	0	0	0	0	0	0	2006
10946	140	388.6	25562	0	0	1	0	0	0	0	0	0	0	0	1	2006
11428	144	401.8	32380	0	0	0	1	0	0	0	0	0	0	0	0	2006
10003	165	442.7	2955	0	0	0	1	0	0	0	0	0	0	0	1	2006
10161	168	465.5	20138	0	0	0	1	0	0	0	0	0	0	0	0	2006
10121	168	459.9	15693	0	0	0	1	0	0	0	0	0	0	0	0	2006
9849	168	445.0	3855	0	0	0	0	1	0	0	0	0	0	0	0	2006
9867	168	450.2	7480	0	0	0	0	1	0	0	0	0	0	0	0	2006
9813	168	463.3	18438	0	0	0	0	1	0	0	0	0	0	0	0	2006
*11598	145	449.3	8015	0	0	0	0	1	0	0	0	0	0	0	0	2006
11022	119	407.7	47986	0	0	0	0	1	0	0	0	0	0	0	1	2006
10533	168	450.1	8498	0	0	0	0	0	1	0	0	0	0	0	0	2006
10485	168	464.4	19753	0	0	0	0	0	1	0	0	0	0	0	0	2006
10712	168	453.7	10649	0	0	0	0	0	1	0	0	0	0	0	0	2006
10745	86	368.7	12867	0	0	0	0	0	1	0	0	0	0	0	1	2006

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
10464	168	123.6	17078	0	0	0	0	0	0	1	0	0	0	0	0	2003
10438	168	133.9	19483	0	0	0	0	0	0	1	0	0	0	0	0	2003
10332	168	138.4	20548	0	0	0	0	0	0	1	0	0	0	0	0	2003
10487	168	140.3	20842	0	0	0	0	0	0	1	0	0	0	0	0	2003
10406	168	133.1	19278	0	0	0	0	0	0	0	1	0	0	0	0	2003
10449	44	134.8	19678	0	0	0	0	0	0	0	1	0	0	0	0	2003
10682	112	125.8	17663	0	0	0	0	0	0	0	1	0	0	0	1	2003
10422	168	133.0	19083	0	0	0	0	0	0	0	1	0	0	0	0	2003
10404	168	131.5	18786	0	0	0	0	0	0	0	0	1	0	0	0	2003
10358	168	133.3	19256	0	0	0	0	0	0	0	0	1	0	0	0	2003
10386	168	125.8	17462	0	0	0	0	0	0	0	0	1	0	0	0	2003
10393	168	133.8	19337	0	0	0	0	0	0	0	0	1	0	0	0	2003
10296	168	135.0	19621	0	0	0	0	0	0	0	0	0	1	0	0	2003
10350	168	135.8	19681	0	0	0	0	0	0	0	0	0	1	0	0	2003
10366	168	135.6	19731	0	0	0	0	0	0	0	0	0	1	0	0	2003
10303	169	138.2	20438	0	0	0	0	0	0	0	0	0	1	0	0	2003
10436	168	126.1	17681	0	0	0	0	0	0	0	0	0	1	0	0	2003
9972	168	146.3	22331	0	0	0	0	0	0	0	0	0	0	1	0	2003
10126	168	142.0	21320	0	0	0	0	0	0	0	0	0	0	1	0	2003
10176	168	138.4	20354	0	0	0	0	0	0	0	0	0	0	1	0	2003
10127	101	128.2	18390	0	0	0	0	0	0	0	0	0	0	1	0	2003
*12509	47	98.4	12272	0	0	0	0	0	0	0	0	0	0	0	2	2003
*63726	1	19.0	361	0	0	0	0	0	0	0	0	0	0	0	1	2003
10428	168	109.9	13662	1	0	0	0	0	0	0	0	0	0	0	0	2004
10177	168	149.5	22911	1	0	0	0	0	0	0	0	0	0	0	0	2004
10208	168	132.3	18602	1	0	0	0	0	0	0	0	0	0	0	0	2004
10173	168	136.2	19626	1	0	0	0	0	0	0	0	0	0	0	0	2004
10298	168	143.3	21374	0	1	0	0	0	0	0	0	0	0	0	0	2004
10227	168	136.6	19592	0	1	0	0	0	0	0	0	0	0	0	0	2004
10380	168	155.9	24558	0	1	0	0	0	0	0	0	0	0	0	0	2004
10410	168	150.5	23143	0	1	0	0	0	0	0	0	0	0	0	0	2004
10450	168	149.5	22876	0	1	0	0	0	0	0	0	0	0	0	0	2004
10197	168	147.9	22658	0	0	1	0	0	0	0	0	0	0	0	0	2004
10138	168	158.5	25347	0	0	1	0	0	0	0	0	0	0	0	0	2004
10146	168	159.1	25500	0	0	1	0	0	0	0	0	0	0	0	0	2004
10251	168	151.6	23573	0	0	1	0	0	0	0	0	0	0	0	0	2004
10137	167	155.4	24620	0	0	0	1	0	0	0	0	0	0	0	0	2004
10407	74	147.4	22584	0	0	0	1	0	0	0	0	0	0	0	1	2004
10161	168	143.6	21565	0	0	0	1	0	0	0	0	0	0	0	0	2004
10184	168	146.1	22236	0	0	0	1	0	0	0	0	0	0	0	0	2004
10356	168	121.1	16102	0	0	0	0	1	0	0	0	0	0	0	0	2004
10342	168	127.6	17900	0	0	0	0	1	0	0	0	0	0	0	0	2004
10171	168	135.8	19903	0	0	0	0	1	0	0	0	0	0	0	0	2004
10158	168	130.7	18761	0	0	0	0	1	0	0	0	0	0	0	0	2004
10219	168	133.6	19390	0	0	0	0	1	0	0	0	0	0	0	0	2004
10206	168	128.1	18154	0	0	0	0	0	1	0	0	0	0	0	0	2004
10254	168	139.1	20515	0	0	0	0	0	1	0	0	0	0	0	0	2004

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
10267	168	132.0	18849	0	0	0	0	0	1	0	0	0	0	0	0	2004
10313	168	130.4	18762	0	0	0	0	0	1	0	0	0	0	0	0	2004
10344	168	125.2	17493	0	0	0	0	0	0	1	0	0	0	0	0	2004
10178	168	134.1	19565	0	0	0	0	0	0	1	0	0	0	0	0	2004
10172	168	130.2	18570	0	0	0	0	0	0	1	0	0	0	0	0	2004
10013	168	138.3	20555	0	0	0	0	0	0	1	0	0	0	0	0	2004
9873	168	140.1	20952	0	0	0	0	0	0	0	1	0	0	0	0	2004
9928	168	136.5	19970	0	0	0	0	0	0	0	1	0	0	0	0	2004
9925	168	136.9	20126	0	0	0	0	0	0	0	1	0	0	0	0	2004
10183	168	150.1	23160	0	0	0	0	0	0	0	1	0	0	0	0	2004
10267	168	152.8	23870	0	0	0	0	0	0	0	1	0	0	0	0	2004
10310	168	124.2	17238	0	0	0	0	0	0	0	0	1	0	0	0	2004
10336	168	125.0	17445	0	0	0	0	0	0	0	0	1	0	0	0	2004
10360	168	121.8	16755	0	0	0	0	0	0	0	0	1	0	0	0	2004
10079	166	140.0	20897	0	0	0	0	0	0	0	0	1	0	0	0	2004
10082	168	151.4	23550	0	0	0	0	0	0	0	0	0	1	0	0	2004
9929	168	156.9	24857	0	0	0	0	0	0	0	0	0	1	0	0	2004
10007	168	146.4	22220	0	0	0	0	0	0	0	0	0	1	0	0	2004
9919	168	149.8	23157	0	0	0	0	0	0	0	0	0	1	0	0	2004
9795	169	152.8	24007	0	0	0	0	0	0	0	0	0	1	0	0	2004
9852	47	148.8	22986	0	0	0	0	0	0	0	0	0	0	1	0	2004
10622	104	137.6	20429	0	0	0	0	0	0	0	0	0	0	1	1	2004
10393	168	140.9	20712	0	0	0	0	0	0	0	0	0	0	1	0	2004
10224	168	153.2	24007	0	0	0	0	0	0	0	0	0	0	0	0	2004
10409	168	136.8	20185	0	0	0	0	0	0	0	0	0	0	0	0	2004
10283	168	153.1	23813	0	0	0	0	0	0	0	0	0	0	0	0	2004
10414	168	152.6	23712	0	0	0	0	0	0	0	0	0	0	0	0	2004
10131	24	131.0	17776	0	0	0	0	0	0	0	0	0	0	0	0	2004
10375	168	137.2	20076	1	0	0	0	0	0	0	0	0	0	0	0	2005
10196	168	155.4	24395	1	0	0	0	0	0	0	0	0	0	0	0	2005
10330	168	154.6	24241	1	0	0	0	0	0	0	0	0	0	0	0	2005
10285	168	153.2	23730	1	0	0	0	0	0	0	0	0	0	0	0	2005
10326	168	158.0	25090	0	1	0	0	0	0	0	0	0	0	0	0	2005
10332	168	130.9	18186	0	1	0	0	0	0	0	0	0	0	0	0	2005
10320	168	123.2	16063	0	1	0	0	0	0	0	0	0	0	0	0	2005
10217	168	128.4	17567	0	1	0	0	0	0	0	0	0	0	0	0	2005
10194	168	150.4	23138	0	0	1	0	0	0	0	0	0	0	0	0	2005
10258	168	151.7	23605	0	0	1	0	0	0	0	0	0	0	0	0	2005
10176	168	156.3	24648	0	0	1	0	0	0	0	0	0	0	0	0	2005
10210	168	149.8	23068	0	0	1	0	0	0	0	0	0	0	0	0	2005
10281	93	141.1	20866	0	0	1	0	0	0	0	0	0	0	0	0	2005
10559	159	139.3	21117	0	0	0	1	0	0	0	0	0	0	0	1	2005
10259	168	154.2	24128	0	0	0	1	0	0	0	0	0	0	0	0	2005
10233	168	153.4	23948	0	0	0	1	0	0	0	0	0	0	0	0	2005
10267	168	157.4	24948	0	0	0	1	0	0	0	0	0	0	0	0	2005
10280	168	148.1	22542	0	0	0	0	1	0	0	0	0	0	0	0	2005
10255	168	144.3	21791	0	0	0	0	1	0	0	0	0	0	0	0	2005

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
10243	168	145.6	22114	0	0	0	0	1	0	0	0	0	0	0	0	2005
10334	168	150.5	23310	0	0	0	0	1	0	0	0	0	0	0	0	2005
10266	168	141.1	21014	0	0	0	0	1	0	0	0	0	0	0	0	2005
10253	168	149.4	22910	0	0	0	0	0	1	0	0	0	0	0	0	2005
10369	168	150.7	23337	0	0	0	0	0	1	0	0	0	0	0	0	2005
10363	168	143.5	21699	0	0	0	0	0	1	0	0	0	0	0	0	2005
10306	144	151.5	23552	0	0	0	0	0	1	0	0	0	0	0	0	2005
10274	168	154.3	24152	0	0	0	0	0	0	1	0	0	0	0	0	2005
10468	168	145.9	22211	0	0	0	0	0	0	1	0	0	0	0	0	2005
10510	168	140.6	21022	0	0	0	0	0	0	1	0	0	0	0	0	2005
10545	168	137.4	20270	0	0	0	0	0	0	1	0	0	0	0	0	2005
10484	168	148.3	22834	0	0	0	0	0	0	0	1	0	0	0	0	2005
10380	168	142.3	21449	0	0	0	0	0	0	0	1	0	0	0	0	2005
10503	168	148.3	22831	0	0	0	0	0	0	0	1	0	0	0	0	2005
10436	168	151.8	23594	0	0	0	0	0	0	0	1	0	0	0	0	2005
10382	168	149.9	23154	0	0	0	0	0	0	0	1	0	0	0	0	2005
10443	168	143.4	21559	0	0	0	0	0	0	0	0	1	0	0	0	2005
10418	168	137.4	20311	0	0	0	0	0	0	0	0	1	0	0	0	2005
10629	168	139.9	20780	0	0	0	0	0	0	0	0	1	0	0	0	2005
10500	168	144.2	21895	0	0	0	0	0	0	0	0	1	0	0	0	2005
10285	168	158.3	25281	0	0	0	0	0	0	0	0	0	1	0	0	2005
10414	168	158.9	25401	0	0	0	0	0	0	0	0	0	1	0	0	2005
10496	168	154.8	24368	0	0	0	0	0	0	0	0	0	1	0	0	2005
10163	24	147.4	23067	0	0	0	0	0	0	0	0	0	1	0	0	2005
10366	135	155.9	24827	0	0	0	0	0	0	0	0	0	0	1	1	2005
10178	168	155.9	24528	0	0	0	0	0	0	0	0	0	0	1	0	2005
10224	168	157.0	24751	0	0	0	0	0	0	0	0	0	0	1	0	2005
10043	168	157.7	25018	0	0	0	0	0	0	0	0	0	0	0	0	2005
10106	168	159.3	25449	0	0	0	0	0	0	0	0	0	0	0	0	2005
10113	168	155.0	24326	0	0	0	0	0	0	0	0	0	0	0	0	2005
10305	168	149.7	22940	0	0	0	0	0	0	0	0	0	0	0	0	2005
10186	24	159.4	25430	0	0	0	0	0	0	0	0	0	0	0	0	2005
10379	168	148.2	22622	1	0	0	0	0	0	0	0	0	0	0	0	2006
10208	168	153.9	23993	1	0	0	0	0	0	0	0	0	0	0	0	2006
10299	168	155.4	24408	1	0	0	0	0	0	0	0	0	0	0	0	2006
10309	168	150.2	22936	1	0	0	0	0	0	0	0	0	0	0	0	2006
10263	168	147.3	22290	0	1	0	0	0	0	0	0	0	0	0	0	2006
10314	168	154.0	23943	0	1	0	0	0	0	0	0	0	0	0	0	2006
10264	168	158.7	25227	0	1	0	0	0	0	0	0	0	0	0	0	2006
10241	168	155.3	24367	0	1	0	0	0	0	0	0	0	0	0	0	2006
10152	168	153.2	23768	0	0	1	0	0	0	0	0	0	0	0	0	2006
10248	168	154.0	23992	0	0	1	0	0	0	0	0	0	0	0	0	2006
10159	168	156.5	24712	0	0	1	0	0	0	0	0	0	0	0	0	2006
10153	168	159.6	25548	0	0	1	0	0	0	0	0	0	0	0	0	2006
10073	168	156.6	24816	0	0	1	0	0	0	0	0	0	0	0	0	2006
10178	167	158.3	25368	0	0	0	1	0	0	0	0	0	0	0	0	2006
10194	168	147.5	22687	0	0	0	1	0	0	0	0	0	0	0	0	2006

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
10334	168	156.7	24791	0	0	0	1	0	0	0	0	0	0	0	0	2006
10012	168	158.4	25192	0	0	0	1	0	0	0	0	0	0	0	0	2006
9955	145	148.6	22863	0	0	0	0	1	0	0	0	0	0	0	0	2006
10142	94	139.2	20719	0	0	0	0	1	0	0	0	0	0	0	1	2006
10253	168	149.2	22798	0	0	0	0	1	0	0	0	0	0	0	0	2006
10309	168	150.2	23052	0	0	0	0	1	0	0	0	0	0	0	0	2006
10362	168	154.8	24216	0	0	0	0	1	0	0	0	0	0	0	0	2006
10433	168	149.8	22924	0	0	0	0	0	1	0	0	0	0	0	0	2006
10559	168	152.5	23618	0	0	0	0	0	1	0	0	0	0	0	0	2006
10497	168	148.5	22625	0	0	0	0	0	1	0	0	0	0	0	0	2006
10460	144	155.3	24340	0	0	0	0	0	1	0	0	0	0	0	0	2006

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
10193	168	138.0	21844	0	0	0	0	0	0	1	0	0	0	0	0	2003
10233	168	149.5	24592	0	0	0	0	0	0	1	0	0	0	0	0	2003
10175	168	154.8	25836	0	0	0	0	0	0	1	0	0	0	0	0	2003
10308	168	156.7	26343	0	0	0	0	0	0	1	0	0	0	0	0	2003
10267	168	148.5	24173	0	0	0	0	0	0	0	1	0	0	0	0	2003
10147	168	143.0	22352	0	0	0	0	0	0	0	1	0	0	0	0	2003
10081	168	164.2	28299	0	0	0	0	0	0	0	1	0	0	0	0	2003
10174	168	154.1	25560	0	0	0	0	0	0	0	1	0	0	0	0	2003
10263	168	151.9	24799	0	0	0	0	0	0	0	1	0	0	0	0	2003
10135	168	153.9	25529	0	0	0	0	0	0	0	0	1	0	0	0	2003
10155	168	152.7	25208	0	0	0	0	0	0	0	0	1	0	0	0	2003
10113	168	146.7	23773	0	0	0	0	0	0	0	0	1	0	0	0	2003
10186	168	155.6	26152	0	0	0	0	0	0	0	0	1	0	0	0	2003
10282	168	154.5	25940	0	0	0	0	0	0	0	0	0	1	0	0	2003
10288	168	162.0	27483	0	0	0	0	0	0	0	0	0	1	0	0	2003
10263	71	164.5	28415	0	0	0	0	0	0	0	0	0	1	0	0	2003
10194	148	151.9	25281	0	0	0	0	0	0	0	0	0	1	0	1	2003
10201	168	142.5	22864	0	0	0	0	0	0	0	0	0	1	0	0	2003
10046	168	165.3	28559	0	0	0	0	0	0	0	0	0	0	1	0	2003
10051	168	164.0	28237	0	0	0	0	0	0	0	0	0	0	1	0	2003
10115	168	159.9	26916	0	0	0	0	0	0	0	0	0	0	1	0	2003
10185	168	162.6	27751	0	0	0	0	0	0	0	0	0	0	1	0	2003
10124	168	168.7	29540	0	0	0	0	0	0	0	0	0	0	0	0	2003
10135	168	167.6	29239	0	0	0	0	0	0	0	0	0	0	0	0	2003
10184	168	165.0	28147	0	0	0	0	0	0	0	0	0	0	0	0	2003
10187	168	158.9	26571	0	0	0	0	0	0	0	0	0	0	0	0	2003
10161	24	180.3	32702	0	0	0	0	0	0	0	0	0	0	0	0	2003
10242	168	131.7	19173	1	0	0	0	0	0	0	0	0	0	0	0	2004
10081	168	176.0	31323	1	0	0	0	0	0	0	0	0	0	0	0	2004
10074	168	153.6	24865	1	0	0	0	0	0	0	0	0	0	0	0	2004
10101	168	154.4	25325	1	0	0	0	0	0	0	0	0	0	0	0	2004
10169	168	156.2	25804	0	1	0	0	0	0	0	0	0	0	0	0	2004
10094	168	156.7	25888	0	1	0	0	0	0	0	0	0	0	0	0	2004
10281	130	173.2	30759	0	1	0	0	0	0	0	0	0	0	0	1	2004
10209	168	172.5	30336	0	1	0	0	0	0	0	0	0	0	0	0	2004
10294	168	173.6	30639	0	1	0	0	0	0	0	0	0	0	0	0	2004
10177	144	162.2	27795	0	0	1	0	0	0	0	0	0	0	0	1	2004
9939	168	179.4	32528	0	0	1	0	0	0	0	0	0	0	0	0	2004
9719	168	181.0	32939	0	0	1	0	0	0	0	0	0	0	0	0	2004
9595	168	171.2	30251	0	0	1	0	0	0	0	0	0	0	0	0	2004
11455	47	178.4	32423	0	0	0	1	0	0	0	0	0	0	0	0	2004
10497	115	161.0	27685	0	0	0	1	0	0	0	0	0	0	0	1	2004
10379	168	164.9	28583	0	0	0	1	0	0	0	0	0	0	0	0	2004
10524	168	134.1	20086	0	0	0	0	1	0	0	0	0	0	0	0	2004
10355	168	143.1	22824	0	0	0	0	1	0	0	0	0	0	0	0	2004
10297	168	151.8	25088	0	0	0	0	1	0	0	0	0	0	0	0	2004
10333	168	146.5	23896	0	0	0	0	1	0	0	0	0	0	0	0	2004

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
10520	137	136.2	21172	0	0	0	0	1	0	0	0	0	0	0	1	2004
10343	168	148.6	24372	0	0	0	0	0	1	0	0	0	0	0	0	2004
10370	168	156.5	26208	0	0	0	0	0	1	0	0	0	0	0	0	2004
10456	168	146.9	23730	0	0	0	0	0	1	0	0	0	0	0	0	2004
10397	168	143.9	23298	0	0	0	0	0	1	0	0	0	0	0	0	2004
10432	168	141.0	22500	0	0	0	0	0	0	1	0	0	0	0	0	2004
10360	168	150.6	25021	0	0	0	0	0	0	1	0	0	0	0	0	2004
10435	168	145.9	23827	0	0	0	0	0	0	1	0	0	0	0	0	2004
10395	168	154.9	26008	0	0	0	0	0	0	1	0	0	0	0	0	2004
10431	168	157.9	26785	0	0	0	0	0	0	0	1	0	0	0	0	2004
10498	168	154.9	25860	0	0	0	0	0	0	0	1	0	0	0	0	2004
10550	168	154.2	25720	0	0	0	0	0	0	0	1	0	0	0	0	2004
10345	168	172.2	30424	0	0	0	0	0	0	0	1	0	0	0	0	2004
10414	168	172.4	30364	0	0	0	0	0	0	0	1	0	0	0	0	2004
10351	168	139.0	21964	0	0	0	0	0	0	0	0	1	0	0	0	2004
10574	168	141.5	22579	0	0	0	0	0	0	0	0	1	0	0	0	2004
10648	168	133.7	20841	0	0	0	0	0	0	0	0	1	0	0	0	2004
10422	167	161.0	27523	0	0	0	0	0	0	0	0	1	0	0	0	2004
10418	168	172.7	30663	0	0	0	0	0	0	0	0	0	1	0	0	2004
10376	168	178.2	32127	0	0	0	0	0	0	0	0	0	1	0	0	2004
10436	168	169.3	29676	0	0	0	0	0	0	0	0	0	1	0	0	2004
10404	168	172.6	30605	0	0	0	0	0	0	0	0	0	1	0	0	2004
10409	169	173.9	31149	0	0	0	0	0	0	0	0	0	1	0	0	2004
10622	139	169.7	29937	0	0	0	0	0	0	0	0	0	0	1	1	2004
10537	168	179.9	32579	0	0	0	0	0	0	0	0	0	0	1	0	2004
10466	168	168.6	29692	0	0	0	0	0	0	0	0	0	0	1	0	2004
10590	168	156.2	25744	0	0	0	0	0	0	0	0	0	0	1	0	2004
10504	168	176.9	31868	0	0	0	0	0	0	0	0	0	0	0	0	2004
10564	168	163.5	28049	0	0	0	0	0	0	0	0	0	0	0	0	2004
10542	168	173.6	30685	0	0	0	0	0	0	0	0	0	0	0	0	2004
10620	168	173.8	30690	0	0	0	0	0	0	0	0	0	0	0	0	2004
10492	24	142.1	21342	0	0	0	0	0	0	0	0	0	0	0	0	2004
10580	168	154.9	25792	1	0	0	0	0	0	0	0	0	0	0	0	2005
10430	168	176.6	31521	1	0	0	0	0	0	0	0	0	0	0	0	2005
10407	168	176.5	31524	1	0	0	0	0	0	0	0	0	0	0	0	2005
10417	168	170.1	29673	1	0	0	0	0	0	0	0	0	0	0	0	2005
10394	168	177.6	31876	0	1	0	0	0	0	0	0	0	0	0	0	2005
10600	168	149.7	23814	0	1	0	0	0	0	0	0	0	0	0	0	2005
10523	157	141.5	21501	0	1	0	0	0	0	0	0	0	0	0	0	2005
12474	20	114.9	17713	0	0	0	1	0	0	0	0	0	0	0	1	2005
10488	107	175.1	31910	0	0	0	0	1	0	0	0	0	0	0	1	2005
10294	168	175.5	32103	0	0	0	0	1	0	0	0	0	0	0	0	2005
10241	168	179.1	33152	0	0	0	0	1	0	0	0	0	0	0	0	2005
10205	168	163.6	28557	0	0	0	0	1	0	0	0	0	0	0	0	2005
10144	168	177.1	32239	0	0	0	0	0	1	0	0	0	0	0	0	2005
10287	168	177.2	32406	0	0	0	0	0	1	0	0	0	0	0	0	2005
10361	168	166.5	29840	0	0	0	0	0	1	0	0	0	0	0	0	2005

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
10340	135	177.0	32486	0	0	0	0	0	1	0	0	0	0	0	0	2005
10264	168	180.1	33492	0	0	0	0	0	0	1	0	0	0	0	0	2005
10218	168	172.5	31280	0	0	0	0	0	0	1	0	0	0	0	0	2005
10349	168	163.1	28827	0	0	0	0	0	0	1	0	0	0	0	0	2005
10224	168	157.3	27257	0	0	0	0	0	0	1	0	0	0	0	0	2005
10310	168	173.7	31616	0	0	0	0	0	0	0	1	0	0	0	0	2005
10282	168	167.3	29986	0	0	0	0	0	0	0	1	0	0	0	0	2005
10221	168	173.6	31693	0	0	0	0	0	0	0	1	0	0	0	0	2005
10263	168	183.4	34172	0	0	0	0	0	0	0	1	0	0	0	0	2005
10431	168	175.4	31945	0	0	0	0	0	0	0	1	0	0	0	0	2005
10383	168	174.5	31585	0	0	0	0	0	0	0	0	1	0	0	0	2005
10275	168	161.7	28634	0	0	0	0	0	0	0	0	1	0	0	0	2005
10412	168	165.6	29468	0	0	0	0	0	0	0	0	1	0	0	0	2005
10351	168	172.1	31431	0	0	0	0	0	0	0	0	1	0	0	0	2005
10258	168	189.8	36147	0	0	0	0	0	0	0	0	0	1	0	0	2005
10334	168	176.6	32566	0	0	0	0	0	0	0	0	0	1	0	0	2005
10340	168	180.2	33545	0	0	0	0	0	0	0	0	0	1	0	0	2005
10345	168	187.4	35460	0	0	0	0	0	0	0	0	0	1	0	0	2005
10171	122	188.5	35994	0	0	0	0	0	0	0	0	0	1	0	0	2005
10556	58	175.3	32022	0	0	0	0	0	0	0	0	0	0	1	1	2005
10297	168	190.8	36434	0	0	0	0	0	0	0	0	0	0	1	0	2005
10287	168	186.1	34927	0	0	0	0	0	0	0	0	0	0	1	0	2005
10407	168	185.9	34724	0	0	0	0	0	0	0	0	0	0	1	0	2005
10207	168	186.9	35151	0	0	0	0	0	0	0	0	0	0	0	0	2005
10224	168	188.7	35677	0	0	0	0	0	0	0	0	0	0	0	0	2005
10380	168	183.5	33922	0	0	0	0	0	0	0	0	0	0	0	0	2005
10587	168	134.5	20478	0	0	0	0	0	0	0	0	0	0	0	0	2005
10268	24	156.3	26634	0	0	0	0	0	0	0	0	0	0	0	0	2005
10264	168	180.1	33492	0	0	0	0	0	0	1	0	0	0	0	0	2005
10218	168	172.5	31280	0	0	0	0	0	0	1	0	0	0	0	0	2005
10349	168	163.1	28827	0	0	0	0	0	0	1	0	0	0	0	0	2005
10224	168	157.3	27257	0	0	0	0	0	0	1	0	0	0	0	0	2005
10310	168	173.7	31616	0	0	0	0	0	0	0	1	0	0	0	0	2005
10282	168	167.3	29986	0	0	0	0	0	0	0	1	0	0	0	0	2005
10221	168	173.6	31693	0	0	0	0	0	0	0	1	0	0	0	0	2005
10263	168	183.4	34172	0	0	0	0	0	0	0	1	0	0	0	0	2005
10431	168	175.4	31945	0	0	0	0	0	0	0	1	0	0	0	0	2005
10383	168	174.5	31585	0	0	0	0	0	0	0	0	1	0	0	0	2005
10275	168	161.7	28634	0	0	0	0	0	0	0	0	1	0	0	0	2005
10412	168	165.6	29468	0	0	0	0	0	0	0	0	1	0	0	0	2005
10351	168	172.1	31431	0	0	0	0	0	0	0	0	1	0	0	0	2005
10258	168	189.8	36147	0	0	0	0	0	0	0	0	0	1	0	0	2005
10334	168	176.6	32566	0	0	0	0	0	0	0	0	0	1	0	0	2005
10340	168	180.2	33545	0	0	0	0	0	0	0	0	0	1	0	0	2005
10345	168	187.4	35460	0	0	0	0	0	0	0	0	0	1	0	0	2005
10171	122	188.5	35994	0	0	0	0	0	0	0	0	0	1	0	0	2005
10556	58	175.3	32022	0	0	0	0	0	0	0	0	0	0	1	1	2005

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
10297	168	190.8	36434	0	0	0	0	0	0	0	0	0	0	1	0	2005
10287	168	186.1	34927	0	0	0	0	0	0	0	0	0	0	1	0	2005
10407	168	185.9	34724	0	0	0	0	0	0	0	0	0	0	1	0	2005
10207	168	186.9	35151	0	0	0	0	0	0	0	0	0	0	0	0	2005
10224	168	188.7	35677	0	0	0	0	0	0	0	0	0	0	0	0	2005
10380	168	183.5	33922	0	0	0	0	0	0	0	0	0	0	0	0	2005
10587	168	134.5	20478	0	0	0	0	0	0	0	0	0	0	0	0	2005
10268	24	156.3	26634	0	0	0	0	0	0	0	0	0	0	0	0	2005
10468	168	170.4	30113	1	0	0	0	0	0	0	0	0	0	0	0	2006
10329	168	182.7	33736	1	0	0	0	0	0	0	0	0	0	0	0	2006
10311	168	184.8	34572	1	0	0	0	0	0	0	0	0	0	0	0	2006
10417	168	178.4	32318	1	0	0	0	0	0	0	0	0	0	0	0	2006
10513	168	173.1	30754	0	1	0	0	0	0	0	0	0	0	0	0	2006
10435	144	175.6	31679	0	1	0	0	0	0	0	0	0	0	0	0	2006
10325	155	185.3	34837	0	1	0	0	0	0	0	0	0	0	0	1	2006
10306	168	181.4	33493	0	1	0	0	0	0	0	0	0	0	0	0	2006
10258	168	189.2	35956	0	0	1	0	0	0	0	0	0	0	0	0	2006
10395	168	185.2	34578	0	0	1	0	0	0	0	0	0	0	0	0	2006
10318	168	186.0	34992	0	0	1	0	0	0	0	0	0	0	0	0	2006
10351	168	190.4	36339	0	0	1	0	0	0	0	0	0	0	0	0	2006
10226	168	188.2	35883	0	0	1	0	0	0	0	0	0	0	0	0	2006
10325	167	187.2	35541	0	0	0	1	0	0	0	0	0	0	0	0	2006
10362	168	172.3	31389	0	0	0	1	0	0	0	0	0	0	0	0	2006
10516	168	186.1	34996	0	0	0	1	0	0	0	0	0	0	0	0	2006
10303	71	180.1	33503	0	0	0	1	0	0	0	0	0	0	0	0	2006
10248	162	176.8	32344	0	0	0	0	1	0	0	0	0	0	0	1	2006
10318	161	134.2	18975	0	0	0	0	1	0	0	0	0	0	0	0	2006
10238	168	147.9	22782	0	0	0	0	1	0	0	0	0	0	0	0	2006
10303	168	177.6	32320	0	0	0	0	1	0	0	0	0	0	0	0	2006
10365	168	180.9	33447	0	0	0	0	1	0	0	0	0	0	0	0	2006
10487	168	176.6	32031	0	0	0	0	0	1	0	0	0	0	0	0	2006
10457	168	179.4	32898	0	0	0	0	0	1	0	0	0	0	0	0	2006
10409	168	172.2	30940	0	0	0	0	0	1	0	0	0	0	0	0	2006
10445	137	174.5	31526	0	0	0	0	0	1	0	0	0	0	0	0	2006

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	BTU/LB
10548	168	388.0	43399	0	0	0	0	0	0	1	0	0	0	0	0	2003	11287
9997	168	473.2	32967	0	0	0	0	0	0	1	0	0	0	0	0	2003	11651
9931	168	473.8	35796	0	0	0	0	0	0	1	0	0	0	0	0	2003	11451
10157	168	490.7	47861	0	0	0	0	0	0	1	0	0	0	0	0	2003	11646
9763	168	448.7	18702	0	0	0	0	0	0	0	1	0	0	0	0	2003	11452
9658	168	438.8	9314	0	0	0	0	0	0	0	1	0	0	0	0	2003	11592
9584	168	462.5	27452	0	0	0	0	0	0	0	1	0	0	0	0	2003	11737
9632	168	463.4	27179	0	0	0	0	0	0	0	1	0	0	0	0	2003	11871
9773	168	474.2	33098	0	0	0	0	0	0	0	1	0	0	0	0	2003	11395
9707	168	452.1	19005	0	0	0	0	0	0	0	0	1	0	0	0	2003	11755
9658	168	443.5	13033	0	0	0	0	0	0	0	0	1	0	0	0	2003	11844
9761	167	412.1	58780	0	0	0	0	0	0	0	0	1	0	0	0	2003	11621
9918	168	431.4	4095	0	0	0	0	0	0	0	0	1	0	0	0	2003	11634
9611	168	418.0	55966	0	0	0	0	0	0	0	0	0	1	0	0	2003	11791
9482	168	425.8	3365	0	0	0	0	0	0	0	0	0	1	0	0	2003	11579
11158	168	209.2	56037	0	0	0	0	0	0	0	0	0	1	0	0	2003	12621
9755	169	489.2	46207	0	0	0	0	0	0	0	0	0	1	0	0	2003	12076
10040	117	429.2	5008	0	0	0	0	0	0	0	0	0	1	0	1	2003	11839
10021	168	494.1	51167	0	0	0	0	0	0	0	0	0	0	1	0	2003	11645
9915	168	501.3	56097	0	0	0	0	0	0	0	0	0	0	1	0	2003	11717
10159	60	457.5	29819	0	0	0	0	0	0	0	0	0	0	1	0	2003	11453
11362	46	456.8	25862	0	0	0	0	0	0	0	0	0	0	0	1	2003	11575
9729	168	505.6	60046	0	0	0	0	0	0	0	0	0	0	0	0	2003	11761
10144	168	509.9	63559	0	0	0	0	0	0	0	0	0	0	0	0	2003	11588
9796	168	453.9	21142	0	0	0	0	0	0	0	0	0	0	0	0	2003	11576
9956	24	434.0	10156	0	0	0	0	0	0	0	0	0	0	0	0	2003	11609
10339	168	430.0	6332	1	0	0	0	0	0	0	0	0	0	0	0	2004	11660
10323	168	512.1	79	1	0	0	0	0	0	0	0	0	0	0	0	2004	11543
10285	168	503.2	57982	1	0	0	0	0	0	0	0	0	0	0	0	2004	11732
10215	168	502.4	58072	1	0	0	0	0	0	0	0	0	0	0	0	2004	11559
10196	168	487.5	46948	0	1	0	0	0	0	0	0	0	0	0	0	2004	11870
10179	168	469.0	32251	0	1	0	0	0	0	0	0	0	0	0	0	2004	11721
10209	168	497.7	52844	0	1	0	0	0	0	0	0	0	0	0	0	2004	11572
10004	168	504.1	57864	0	1	0	0	0	0	0	0	0	0	0	0	2004	11602
10083	162	487.2	44710	0	1	0	0	0	0	0	0	0	0	0	0	2004	11695
10185	45	441.4	10792	0	0	1	0	0	0	0	0	0	0	0	0	2004	11525
10095	141	476.0	38323	0	0	1	0	0	0	0	0	0	0	0	1	2004	11669
10086	168	485.8	42692	0	0	1	0	0	0	0	0	0	0	0	0	2004	11664
10254	167	473.8	32895	0	0	0	1	0	0	0	0	0	0	0	0	2004	11267
10166	168	473.8	35524	0	0	0	1	0	0	0	0	0	0	0	0	2004	11592
10412	144	455.5	24068	0	0	0	1	0	0	0	0	0	0	0	0	2004	11301
10519	119	468.7	30504	0	0	0	1	0	0	0	0	0	0	0	0	2004	11171
10709	142	408.9	55451	0	0	0	0	1	0	0	0	0	0	0	1	2004	11222
10434	168	429.9	4199	0	0	0	0	1	0	0	0	0	0	0	0	2004	10945
10300	168	437.4	9870	0	0	0	0	1	0	0	0	0	0	0	0	2004	10824
10661	168	421.8	64869	0	0	0	0	1	0	0	0	0	0	0	0	2004	11065
10382	119	384.5	40950	0	0	0	0	1	0	0	0	0	0	0	1	2004	10752

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	BTU/LB
10396	144	447.6	16441	0	0	0	0	0	1	0	0	0	0	0	0	2004	10842
10402	167	481.7	40448	0	0	0	0	0	1	0	0	0	0	0	1	2004	10847
10503	168	470.8	31681	0	0	0	0	0	1	0	0	0	0	0	0	2004	11350
10288	116	468.6	33638	0	0	0	0	0	1	0	0	0	0	0	1	2004	11442
10232	168	503.3	56900	0	0	0	0	0	0	1	0	0	0	0	0	2004	10744
10325	135	478.5	39799	0	0	0	0	0	0	1	0	0	0	0	1	2004	10731
10240	168	461.1	25434	0	0	0	0	0	0	1	0	0	0	0	0	2004	10704
10090	168	492.0	47847	0	0	0	0	0	0	1	0	0	0	0	0	2004	10633
9944	168	461.1	22988	0	0	0	0	0	0	0	1	0	0	0	0	2004	10731
10223	168	387.8	29796	0	0	0	0	0	0	0	1	0	0	0	0	2004	10568
9786	168	468.0	31146	0	0	0	0	0	0	0	1	0	0	0	0	2004	10479
9900	168	495.3	51440	0	0	0	0	0	0	0	1	0	0	0	0	2004	10468
10142	168	499.7	54317	0	0	0	0	0	0	0	1	0	0	0	0	2004	10731
10565	168	433.0	7692	0	0	0	0	0	0	0	0	1	0	0	0	2004	10438
10603	165	423.4	2524	0	0	0	0	0	0	0	0	1	0	0	0	2004	10995
10782	164	359.5	23617	0	0	0	0	0	0	0	0	1	0	0	0	2004	10402
10393	168	471.4	33145	0	0	0	0	0	0	0	0	1	0	0	0	2004	10733
* 8387	48	440.4	12147	0	0	0	0	0	0	0	0	0	1	0	0	2004	10612
12872	113	226.8	4832	0	0	0	0	0	0	0	0	0	0	1	1	2004	11380
9811	168	426.2	61187	0	0	0	0	0	0	0	0	0	0	1	0	2004	11566
9765	99	434.1	11982	0	0	0	0	0	0	0	0	0	0	0	1	2004	10531
10131	168	475.9	36056	0	0	0	0	0	0	0	0	0	0	0	0	2004	10364
10259	129	484.8	44926	0	0	0	0	0	0	0	0	0	0	0	1	2004	10861
10367	168	490.7	47477	0	0	0	0	0	0	0	0	0	0	0	0	2004	10743
9734	24	501.7	55527	0	0	0	0	0	0	0	0	0	0	0	0	2004	10646
10039	168	474.6	33197	1	0	0	0	0	0	0	0	0	0	0	0	2005	10515
10175	168	503.5	57810	1	0	0	0	0	0	0	0	0	0	0	0	2005	10592
10149	168	504.0	57961	1	0	0	0	0	0	0	0	0	0	0	0	2005	10629
9924	168	502.3	56077	1	0	0	0	0	0	0	0	0	0	0	0	2005	10733
10057	168	498.8	53713	0	1	0	0	0	0	0	0	0	0	0	0	2005	10436
9993	168	491.0	46378	0	1	0	0	0	0	0	0	0	0	0	0	2005	10383
10059	168	503.2	56909	0	1	0	0	0	0	0	0	0	0	0	0	2005	10925
10267	167	491.8	48669	0	1	0	0	0	0	0	0	0	0	0	0	2005	10584
10292	168	501.5	56012	0	0	1	0	0	0	0	0	0	0	0	0	2005	10534
10198	164	464.6	29128	0	0	1	0	0	0	0	0	0	0	0	0	2005	10622
10194	157	483.5	44244	0	0	1	0	0	0	0	0	0	0	0	0	2005	10310
10123	168	499.1	54292	0	0	1	0	0	0	0	0	0	0	0	0	2005	10613
10147	165	464.4	29337	0	0	1	0	0	0	0	0	0	0	0	0	2005	10344
10667	137	481.4	41283	0	0	0	1	0	0	0	0	0	0	0	1	2005	11123
10613	168	492.8	49485	0	0	0	1	0	0	0	0	0	0	0	0	2005	10523
10313	168	489.3	45313	0	0	0	1	0	0	0	0	0	0	0	0	2005	10623
10487	168	500.5	54887	0	0	0	1	0	0	0	0	0	0	0	0	2005	10481
10230	168	468.5	30343	0	0	0	0	1	0	0	0	0	0	0	0	2005	10403
10129	168	436.3	2587	0	0	0	0	1	0	0	0	0	0	0	0	2005	10604
10080	168	465.9	26511	0	0	0	0	1	0	0	0	0	0	0	0	2005	10771
10072	168	489.3	46951	0	0	0	0	1	0	0	0	0	0	0	0	2005	10487
10217	142	463.2	27048	0	0	0	0	1	0	0	0	0	0	0	0	2005	10404

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	BTU/LB
10244	127	480.2	40556	0	0	0	0	0	1	0	0	0	0	0	1	2005	10532
9933	168	501.9	55708	0	0	0	0	0	1	0	0	0	0	0	0	2005	10976
10148	168	470.4	31763	0	0	0	0	0	1	0	0	0	0	0	0	2005	10424
9856	144	494.7	50403	0	0	0	0	0	1	0	0	0	0	0	0	2005	10358
10316	125	464.4	30879	0	0	0	0	0	0	1	0	0	0	0	1	2005	10564
10383	164	441.2	16747	0	0	0	0	0	0	1	0	0	0	0	0	2005	11035
10156	168	500.8	54828	0	0	0	0	0	0	1	0	0	0	0	0	2005	10392
10124	168	503.2	56739	0	0	0	0	0	0	1	0	0	0	0	0	2005	10076
10348	168	495.7	51120	0	0	0	0	0	0	0	1	0	0	0	0	2005	10500
10363	167	484.7	42456	0	0	0	0	0	0	0	1	0	0	0	0	2005	10394
10235	168	496.8	51087	0	0	0	0	0	0	0	1	0	0	0	0	2005	10300
10274	168	489.4	44508	0	0	0	0	0	0	0	1	0	0	0	0	2005	10272
11121	76	468.1	28604	0	0	0	0	0	0	0	1	0	0	0	0	2005	10956
*11595	87	388.4	27794	0	0	0	0	0	0	0	0	1	0	0	1	2005	11524
9685	132	380.1	34243	0	0	0	0	0	0	0	0	1	0	0	1	2005	11464
9496	109	445.3	8805	0	0	0	0	0	0	0	0	1	0	0	1	2005	10494
9905	168	492.9	47013	0	0	0	0	0	0	0	0	1	0	0	0	2005	10488
9896	168	481.7	37767	0	0	0	0	0	0	0	0	0	1	0	0	2005	10706
9946	168	460.9	20457	0	0	0	0	0	0	0	0	0	1	0	0	2005	10403
10222	140	443.3	9911	0	0	0	0	0	0	0	0	0	1	0	1	2005	10913
10029	168	486.8	41674	0	0	0	0	0	0	0	0	0	1	0	0	2005	11312
9935	28	416.0	143	0	0	0	0	0	0	0	0	0	1	0	0	2005	11444
10764	121	416.5	55388	0	0	0	0	0	0	0	0	0	0	0	1	2005	10584
10429	168	399.0	44143	0	0	0	0	0	0	0	0	0	0	0	0	2005	10310
10511	24	454.4	16430	0	0	0	0	0	0	0	0	0	0	0	0	2005	10697
10016	168	416.0	57837	1	0	0	0	0	0	0	0	0	0	0	0	2006	9807
10135	168	460.2	23603	1	0	0	0	0	0	0	0	0	0	0	0	2006	9755
9674	168	467.4	29669	1	0	0	0	0	0	0	0	0	0	0	0	2006	10315
10776	168	446.2	13572	1	0	0	0	0	0	0	0	0	0	0	0	2006	10511
10200	168	445.5	13904	0	1	0	0	0	0	0	0	0	0	0	0	2006	10093
10084	168	487.0	42619	0	1	0	0	0	0	0	0	0	0	0	0	2006	9775
10189	168	493.0	48027	0	1	0	0	0	0	0	0	0	0	0	0	2006	10028
10220	168	496.9	50632	0	1	0	0	0	0	0	0	0	0	0	0	2006	10030
10054	168	489.3	45056	0	0	1	0	0	0	0	0	0	0	0	0	2006	10693
10035	168	474.8	36138	0	0	1	0	0	0	0	0	0	0	0	0	2006	9765
9948	168	496.2	50251	0	0	1	0	0	0	0	0	0	0	0	0	2006	9927
10095	168	480.3	37156	0	0	1	0	0	0	0	0	0	0	0	0	2006	9992
10059	168	473.5	30944	0	0	1	0	0	0	0	0	0	0	0	0	2006	10344
10093	95	465.6	24985	0	0	0	1	0	0	0	0	0	0	0	0	2006	10706
10224	110	404.9	50662	0	0	0	1	0	0	0	0	0	0	0	1	2006	11490
9907	168	465.0	26357	0	0	0	1	0	0	0	0	0	0	0	0	2006	10954
10286	168	460.5	22604	0	0	0	1	0	0	0	0	0	0	0	0	2006	10412
10214	168	447.0	14666	0	0	0	0	1	0	0	0	0	0	0	0	2006	10411
10388	168	421.7	62928	0	0	0	0	1	0	0	0	0	0	0	0	2006	10250
10294	168	425.7	63431	0	0	0	0	1	0	0	0	0	0	0	0	2006	10081
9986	168	433.3	3158	0	0	0	0	1	0	0	0	0	0	0	0	2006	10918
10053	168	447.6	13450	0	0	0	0	1	0	0	0	0	0	0	0	2006	10484

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	BTU/LB
10379	168	432.3	4326	0	0	0	0	0	1	0	0	0	0	0	0	2006	10555
10244	168	481.0	38510	0	0	0	0	0	1	0	0	0	0	0	0	2006	10406
10086	168	496.2	50030	0	0	0	0	0	1	0	0	0	0	0	0	2006	10485
10111	144	489.0	44339	0	0	0	0	0	1	0	0	0	0	0	0	2006	10134

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.
BTU/LB	Average heat content of coal burned by the unit for the week.
•	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	BTU/LB
10388	168	410.2	57816	0	0	0	0	0	0	1	0	0	0	0	0	2003	11279
9811	168	470.3	30759	0	0	0	0	0	0	1	0	0	0	0	0	2003	11652
10026	168	442.2	15238	0	0	0	0	0	0	1	0	0	0	0	0	2003	11469
10077	168	464.6	29989	0	0	0	0	0	0	1	0	0	0	0	0	2003	11654
9633	168	449.3	18993	0	0	0	0	0	0	0	1	0	0	0	0	2003	11452
9637	168	438.0	8489	0	0	0	0	0	0	0	1	0	0	0	0	2003	11591
9690	168	451.6	19773	0	0	0	0	0	0	0	1	0	0	0	0	2003	11735
9648	168	433.0	6059	0	0	0	0	0	0	0	1	0	0	0	0	2003	11869
9505	168	471.4	30750	0	0	0	0	0	0	0	1	0	0	0	0	2003	11395
9574	168	448.8	16562	0	0	0	0	0	0	0	0	1	0	0	0	2003	11758
9570	161	433.5	6487	0	0	0	0	0	0	0	0	1	0	0	0	2003	11844
9541	161	419.0	62176	0	0	0	0	0	0	0	0	1	0	0	0	2003	11613
9800	125	389.9	43337	0	0	0	0	0	0	0	0	1	0	0	1	2003	11602
9770	168	432.5	5361	0	0	0	0	0	0	0	0	0	1	0	0	2003	11787
9804	168	486.7	42033	0	0	0	0	0	0	0	0	0	1	0	0	2003	11572
*10197	168	473.7	33572	0	0	0	0	0	0	0	0	0	1	0	0	2003	12446
9746	169	489.9	45541	0	0	0	0	0	0	0	0	0	1	0	0	2003	12075
9736	168	468.7	31017	0	0	0	0	0	0	0	0	0	1	0	0	2003	11819
9745	97	482.7	41436	0	0	0	0	0	0	0	0	0	0	1	0	2003	11603
*12438	75	196.4	52119	0	0	0	0	0	0	0	0	0	0	0	1	2003	11690
10054	168	453.3	19480	0	0	0	0	0	0	0	0	0	0	0	0	2003	11576
10264	24	437.9	11898	0	0	0	0	0	0	0	0	0	0	0	0	2003	11609
9583	168	425.1	2813	1	0	0	0	0	0	0	0	0	0	0	0	2004	11656
*26101	4	104.0	15667	1	0	0	0	0	0	0	0	0	0	0	1	2004	11623
9461	168	491.4	47786	1	0	0	0	0	0	0	0	0	0	0	0	2004	11733
9432	139	483.8	45067	1	0	0	0	0	0	0	0	0	0	0	1	2004	11522
9614	141	470.9	34310	0	1	0	0	0	0	0	0	0	0	0	1	2004	11816
9551	168	488.0	45364	0	1	0	0	0	0	0	0	0	0	0	0	2004	11720
9536	168	498.5	53668	0	1	0	0	0	0	0	0	0	0	0	0	2004	11573
9513	168	505.0	58863	0	1	0	0	0	0	0	0	0	0	0	0	2004	11601
9536	168	499.4	53309	0	1	0	0	0	0	0	0	0	0	0	0	2004	11697
9604	168	482.9	41789	0	0	1	0	0	0	0	0	0	0	0	0	2004	11751
10090	125	461.5	28009	0	0	1	0	0	0	0	0	0	0	0	1	2004	11435
9960	168	486.9	42549	0	0	1	0	0	0	0	0	0	0	0	0	2004	11362
9791	168	487.2	43639	0	0	1	0	0	0	0	0	0	0	0	0	2004	11683
* 9629	167	502.2	56029	0	0	0	1	0	0	0	0	0	0	0	0	2004	11052
* 9922	168	464.5	30817	0	0	0	1	0	0	0	0	0	0	0	0	2004	11166
*10002	168	482.1	38366	0	0	0	1	0	0	0	0	0	0	0	0	2004	11191
* 9812	168	474.9	35008	0	0	0	1	0	0	0	0	0	0	0	0	2004	11334
9847	168	433.3	4703	0	0	0	0	1	0	0	0	0	0	0	0	2004	11321
9823	168	444.9	11873	0	0	0	0	1	0	0	0	0	0	0	0	2004	11221
9903	168	438.7	9012	0	0	0	0	1	0	0	0	0	0	0	0	2004	11210
9997	168	432.2	4178	0	0	0	0	1	0	0	0	0	0	0	0	2004	11378
9726	168	443.2	10986	0	0	0	0	1	0	0	0	0	0	0	0	2004	11292
9946	168	453.1	19429	0	0	0	0	0	1	0	0	0	0	0	0	2004	11246
9856	168	494.6	48761	0	0	0	0	0	1	0	0	0	0	0	0	2004	11026
10094	168	469.5	30646	0	0	0	0	0	1	0	0	0	0	0	0	2004	11402

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	BTU/LB
9990	168	441.0	11011	0	0	0	0	0	1	0	0	0	0	0	0	2004	11435
10332	168	444.2	13865	0	0	0	0	0	0	1	0	0	0	0	0	2004	10924
10066	168	471.8	32298	0	0	0	0	0	0	1	0	0	0	0	0	2004	11080
10141	168	461.3	23750	0	0	0	0	0	0	1	0	0	0	0	0	2004	11217
10111	168	475.0	34409	0	0	0	0	0	0	1	0	0	0	0	0	2004	11142
10126	135	470.1	31117	0	0	0	0	0	0	0	1	0	0	0	1	2004	10708
9806	168	445.3	15246	0	0	0	0	0	0	0	1	0	0	0	0	2004	10599
9516	124	453.8	22586	0	0	0	0	0	0	0	1	0	0	0	1	2004	10416
9625	168	496.0	50332	0	0	0	0	0	0	0	1	0	0	0	0	2004	10354
9755	168	495.2	49589	0	0	0	0	0	0	0	1	0	0	0	0	2004	10735
10035	168	436.2	7910	0	0	0	0	0	0	0	0	1	0	0	0	2004	10445
10028	168	432.7	4415	0	0	0	0	0	0	0	0	1	0	0	0	2004	10994
*10234	168	361.6	22704	0	0	0	0	0	0	0	0	1	0	0	0	2004	10479
9651	168	482.5	40444	0	0	0	0	0	0	0	0	1	0	0	0	2004	10796
10311	168	471.3	31775	0	0	0	0	0	0	0	0	0	1	0	0	2004	10551
9954	168	503.8	57205	0	0	0	0	0	0	0	0	0	1	0	0	2004	10196
10086	164	479.2	40827	0	0	0	0	0	0	0	0	0	1	0	0	2004	10518
*10574	140	405.9	65066	0	0	0	0	0	0	0	0	0	1	0	1	2004	10454
10487	169	456.3	22383	0	0	0	0	0	0	0	0	0	1	0	0	2004	10648
9979	168	489.7	46126	0	0	0	0	0	0	0	0	0	0	1	0	2004	10705
10121	168	504.5	57965	0	0	0	0	0	0	0	0	0	0	1	0	2004	11482
9958	168	484.6	42988	0	0	0	0	0	0	0	0	0	0	1	0	2004	11425
10207	168	451.2	18914	0	0	0	0	0	0	0	0	0	0	1	0	2004	11400
9759	168	485.2	43977	0	0	0	0	0	0	0	0	0	0	0	0	2004	10466
9885	168	475.0	35927	0	0	0	0	0	0	0	0	0	0	0	0	2004	10230
10001	168	496.1	51545	0	0	0	0	0	0	0	0	0	0	0	0	2004	10713
10320	168	494.9	49824	0	0	0	0	0	0	0	0	0	0	0	0	2004	10525
9982	24	404.4	45296	0	0	0	0	0	0	0	0	0	0	0	0	2004	10691
10348	168	460.1	20212	1	0	0	0	0	0	0	0	0	0	0	0	2005	10584
*10732	168	457.1	13423	1	0	0	0	0	0	0	0	0	0	0	0	2005	10850
10357	168	484.6	41633	1	0	0	0	0	0	0	0	0	0	0	0	2005	10654
10028	168	498.4	52212	1	0	0	0	0	0	0	0	0	0	0	0	2005	10697
10236	168	495.9	50629	0	1	0	0	0	0	0	0	0	0	0	0	2005	10408
10158	168	487.0	42928	0	1	0	0	0	0	0	0	0	0	0	0	2005	10399
10190	168	495.4	49830	0	1	0	0	0	0	0	0	0	0	0	0	2005	10898
10271	168	500.2	53687	0	1	0	0	0	0	0	0	0	0	0	0	2005	10585
10395	163	481.7	42281	0	0	1	0	0	0	0	0	0	0	0	0	2005	10724
*11000	167	278.2	16230	0	0	0	1	0	0	0	0	0	0	0	0	2005	11083
*10742	166	316.5	41661	0	0	0	1	0	0	0	0	0	0	0	0	2005	10293
*10028	166	474.6	34729	0	0	0	1	0	0	0	0	0	0	0	0	2005	10614
*10203	168	493.4	47649	0	0	0	1	0	0	0	0	0	0	0	0	2005	10579
10028	168	476.3	36115	0	0	0	0	1	0	0	0	0	0	0	0	2005	10445
10056	168	458.3	23851	0	0	0	0	1	0	0	0	0	0	0	0	2005	10531
10158	168	471.3	31701	0	0	0	0	1	0	0	0	0	0	0	0	2005	10430
10074	168	486.0	43129	0	0	0	0	1	0	0	0	0	0	0	0	2005	10499
10345	168	450.4	15524	0	0	0	0	1	0	0	0	0	0	0	0	2005	10223
10405	147	462.2	27948	0	0	0	0	0	1	0	0	0	0	0	0	2005	10252

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	BTU/LB
10194	168	494.6	48312	0	0	0	0	0	1	0	0	0	0	0	0	2005	10930
10345	168	465.7	26662	0	0	0	0	0	1	0	0	0	0	0	0	2005	10401
10101	144	489.5	44744	0	0	0	0	0	1	0	0	0	0	0	0	2005	10433
10285	168	487.3	42024	0	0	0	0	0	0	1	0	0	0	0	0	2005	10606
10339	168	445.3	12988	0	0	0	0	0	0	1	0	0	0	0	0	2005	10964
10296	168	495.1	48623	0	0	0	0	0	0	1	0	0	0	0	0	2005	10427
10248	168	488.6	43297	0	0	0	0	0	0	1	0	0	0	0	0	2005	10073
10420	168	462.1	25055	0	0	0	0	0	0	0	1	0	0	0	0	2005	10468
10180	168	485.3	41809	0	0	0	0	0	0	0	1	0	0	0	0	2005	10333
10128	168	492.2	46820	0	0	0	0	0	0	0	1	0	0	0	0	2005	10288
10165	168	489.9	44596	0	0	0	0	0	0	0	1	0	0	0	0	2005	10227
10401	85	401.1	44761	0	0	0	0	0	0	0	1	0	0	0	0	2005	10897
*11272	62	316.4	40241	0	0	0	0	0	0	0	0	1	0	0	1	2005	11611
9315	168	464.6	24276	0	0	0	0	0	0	0	0	1	0	0	0	2005	11356
9457	168	491.5	45583	0	0	0	0	0	0	0	0	1	0	0	0	2005	10435
9731	168	495.0	48523	0	0	0	0	0	0	0	0	1	0	0	0	2005	10497
9914	168	485.3	39701	0	0	0	0	0	0	0	0	0	1	0	0	2005	10686
9926	168	471.3	28214	0	0	0	0	0	0	0	0	0	1	0	0	2005	10380
10122	168	443.5	6614	0	0	0	0	0	0	0	0	0	1	0	0	2005	10827
10033	168	482.2	38388	0	0	0	0	0	0	0	0	0	1	0	0	2005	10517
10244	169	493.6	48192	0	0	0	0	0	0	0	0	0	1	0	0	2005	10446
10114	168	493.1	47800	0	0	0	0	0	0	0	0	0	0	1	0	2005	10293
9821	168	493.6	48223	0	0	0	0	0	0	0	0	0	0	1	0	2005	10266
9937	168	475.4	35069	0	0	0	0	0	0	0	0	0	0	1	0	2005	11077
10031	168	471.9	32622	0	0	0	0	0	0	0	0	0	0	1	0	2005	11234
9967	168	487.6	43942	0	0	0	0	0	0	0	0	0	0	0	0	2005	10984
10053	168	480.9	39831	0	0	0	0	0	0	0	0	0	0	0	0	2005	10378
10068	168	491.0	45722	0	0	0	0	0	0	0	0	0	0	0	0	2005	10464
10083	168	410.4	49861	0	0	0	0	0	0	0	0	0	0	0	0	2005	10282
10413	24	456.7	17000	0	0	0	0	0	0	0	0	0	0	0	0	2005	10456
9999	168	416.7	56873	1	0	0	0	0	0	0	0	0	0	0	0	2006	9948
10220	168	462.4	23560	1	0	0	0	0	0	0	0	0	0	0	0	2006	10010
10102	168	458.5	20551	1	0	0	0	0	0	0	0	0	0	0	0	2006	9891
10064	168	452.5	17268	1	0	0	0	0	0	0	0	0	0	0	0	2006	10206
10101	168	468.5	27293	0	1	0	0	0	0	0	0	0	0	0	0	2006	10294
9952	168	478.8	35031	0	1	0	0	0	0	0	0	0	0	0	0	2006	9798
10052	168	496.8	50404	0	1	0	0	0	0	0	0	0	0	0	0	2006	10163
10123	165	472.5	35273	0	1	0	0	0	0	0	0	0	0	0	0	2006	10259
9683	168	494.0	48950	0	0	1	0	0	0	0	0	0	0	0	0	2006	10800
9402	168	475.7	34014	0	0	1	0	0	0	0	0	0	0	0	0	2006	10362
9434	24	442.3	9901	0	0	1	0	0	0	0	0	0	0	0	0	2006	11008
*117280	5	105.8	16033	0	0	0	1	0	0	0	0	0	0	0	1	2006	10717
*38935	5	50.4	3873	0	0	0	0	1	0	0	0	0	0	0	1	2006	10939
9733	96	395.5	40865	0	0	0	0	1	0	0	0	0	0	0	1	2006	10323
9833	168	438.1	6072	0	0	0	0	1	0	0	0	0	0	0	0	2006	10383
9714	168	438.7	6213	0	0	0	0	1	0	0	0	0	0	0	0	2006	10339
9691	168	452.1	16169	0	0	0	0	1	0	0	0	0	0	0	0	2006	10259

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	BTU/LB
9921	168	436.9	6448	0	0	0	0	0	1	0	0	0	0	0	0	2006	10602
9770	168	458.2	21061	0	0	0	0	0	1	0	0	0	0	0	0	2006	10452
9951	168	458.6	22045	0	0	0	0	0	1	0	0	0	0	0	0	2006	10386
9873	140	453.6	19873	0	0	0	0	0	1	0	0	0	0	0	0	2006	10113

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.
BTU/LB	Average heat content of coal burned by the unit for the week.
*	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 2007 - December 2007

Unit	Month	(1) Forecast AKW * 10^3	(2) Forecast LSRF • 10^6	(3) Forecast Monthly ANOHR	(4) Forecast AKWH * 10^3 Generation	(5) Weighted ANOHR Target
CRIST 4	Jan '07	76.5	5,841	10,356	56,450	
	Feb '07	77.4	5,959	10,358	51,653	
	Mar '07	77.4	5,959	10,549	57,087	
	Apr '07	77.6	5,985	10,548	55,325	
	May '07	75.3	5,685	10,561	55,548	
	Jun '07	77.5	5,972	10,724	55,347	
	Jul '07	77.8	6,011	10,547	57,427	
	Aug '07	77.8	6,011	10,547	57,447	
	Sep '07	77.5	5,972	10,549	55,315	
	Oct '07	77.5	5,972	10,549	57,257	
	Nov '07	77.2	5,932	10,690	55,138	
	Dec '07	77.3	5,945	10,550	51,529	10,545
CRIST 5	Jan '07	78.4	6,066	10,292	50,185	
	Feb '07	79.6	6,221	10,430	52,880	
	Mar '07	79.5	6,208	10,431	58,412	
	Apr '07	79.6	6,221	10,430	52,790	
	May '07	77.6	5,963	10,452	57,001	
	Jun '07	79.6	6,221	10,430	56,664	
	Jul '07	79.8	6,247	10,428	58,670	
	Aug '07	79.8	6,247	10,428	58,680	
	Sep '07	79.5	6,208	10,431	56,605	
	Oct '07	79.6	6,221	10,430	58,600	
	Nov '07	79.3	6,182	10,433	56,474	
	Dec '07	79.6	6,221	10,430	58,540	10,422
CRIST 6	Jan '07	296.4	87,426	10,722	172,811	
	Feb '07	297.1	87,727	9,995	138,427	
	Mar '07	300.8	89,313	9,722	217,161	
	Apr '07	301.5	89,612	9,867	210,475	
	May '07	294.0	86,393	10,367	212,246	
	Jun '07	301.0	89,398	10,360	210,415	
	Jul '07	301.4	89,569	10,360	217,591	
	Aug '07	301.4	89,569	10,360	217,591	
	Sep '07	301.0	89,398	10,360	210,405	
	Oct '07	300.8	89,313	10,361	217,491	
	Nov '07	298.9	88,499	10,362	62,764	
	Dec '07	300.0	88,970	10,361	153,886	10,258

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 2007 - December 2007

Unit	Month	(1) Forecast AKW * 10^3	(2) Forecast LSRF * 10^6	(3) Forecast Monthly ANOHR	(4) Forecast AKWH * 10^3 Generation	(5) Weighted ANOHR Target
CRIST 7	Jan '07	473.1	224,520	10,193	282,943	
	Feb '07	471.1	222,940	10,198	229,438	
	Mar '07	475.9	226,736	10,465	316,013	
	Apr '07	472.2	223,808	10,374	177,544	
	May '07	471.6	223,335	10,197	323,499	
	Jun '07	475.9	226,736	10,186	316,013	
	Jul '07	476.0	226,816	10,186	326,507	
	Aug '07	476.0	226,816	10,186	326,507	
	Sep '07	475.9	226,736	10,186	316,013	
	Oct '07	472.6	224,124	10,194	283,083	
	Nov '07	474.7	225,785	10,189	294,310	
	Dec '07	473.4	224,757	10,192	283,083	10,225
SMITH 1	Jan '07	161.0	25,799	10,208	118,624	
	Feb '07	161.5	25,920	10,289	107,570	
	Mar '07	158.6	25,221	10,210	22,680	
	Apr '07	0.0	0	-	0	
	May '07	159.1	25,341	10,209	41,675	
	Jun '07	161.6	25,944	10,330	115,213	
	Jul '07	161.7	25,968	10,310	119,151	
	Aug '07	161.7	25,968	10,275	119,151	
	Sep '07	161.7	25,968	10,332	115,259	
	Oct '07	161.5	25,920	10,207	119,151	
	Nov '07	161.6	25,944	10,207	115,253	
	Dec '07	161.6	25,944	10,207	119,131	10,259
SMITH 2	Jan '07	193.9	37,527	10,327	134,925	
	Feb '07	194.4	37,691	10,328	122,290	
	Mar '07	192.7	37,135	10,137	108,318	
	Apr '07	194.3	37,658	10,581	122,023	
	May '07	192.1	36,940	10,325	133,680	
	Jun '07	194.5	37,724	10,328	131,062	
	Jul '07	194.6	37,756	10,258	135,415	
	Aug '07	194.6	37,756	10,328	135,415	
	Sep '07	194.5	37,724	10,328	131,104	
	Oct '07	191.6	36,777	10,324	99,260	
	Nov '07	194.5	37,724	10,328	131,104	
	Dec '07	194.5	37,724	10,328	135,395	10,328

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 2007 - December 2007

		(1)	(2)	(3)	(4)	(5)	(6)
Unit	Month	Forecast AKW * 10^3	Forecast LSRF * 10^6	Forecast BTU/LB	Forecast Monthly ANOHR	Forecast AKWH * 10^3 Generation	Weighted ANOHR Target
DANIEL 1	Jan '07	499.5	250,430	11,318	10,050	281,708	
	Feb '07	511.4	259,378	11,307	10,040	336,529	
	Mar '07	508.8	257,416	11,292	10,044	370,422	
	Apr '07	511.6	259,529	11,314	10,226	360,146	
	May '07	488.9	242,530	11,304	10,064	355,954	
	Jun '07	510.8	258,925	11,295	10,042	360,086	
	Jul '07	513.4	260,890	11,304	10,039	373,767	
	Aug '07	513.5	260,966	11,313	10,038	373,857	
	Sep '07	509.9	258,245	11,301	9,864	335,546	
	Oct '07	0.0	0	0	-	0	
	Nov '07	506.4	255,608	11,340	10,041	225,872	
	Dec '07	507.7	256,587	11,327	10,041	298,039	10,046
DANIEL 2	Jan '07	501.5	250,974	11,318	9,835	279,832	
	Feb '07	510.8	257,909	11,307	9,833	308,519	
	Mar '07	511.2	258,208	11,292	9,835	368,032	
	Apr '07	511.3	258,283	11,314	9,831	332,331	
	May '07	494.6	245,853	11,304	9,841	356,135	
	Jun '07	512.2	258,956	11,295	9,834	357,030	
	Jul '07	513.6	260,004	11,304	10,066	369,773	
	Aug '07	513.6	260,004	11,313	9,830	369,813	
	Sep '07	511.9	258,731	11,301	9,619	356,767	
	Oct '07	512.0	258,806	11,342	9,825	369,155	
	Nov '07	510.9	257,984	11,340	9,826	356,101	
	Dec '07	512.4	259,106	11,327	9,828	368,958	9,834

NOTE: Column (4) monthly ANOHR's are determined using the values from columns (1), (2), and (3) in the target ANOHR equation on Page 2 of Schedule 1.

Column (6) = $(\Sigma ((4) * (5))) / (\Sigma (5))$

Summary of Target, Maximum, and Minimum
Average Net Operating Heat Rates
for January 2007 - December 2007

Unit	Target Heat Rate BTU/KWH (0 Points)	Minimum Attainable Heat Rate (+ 10 Points)	Maximum Attainable Heat Rate (- 10 Points)
CRIST 4	10,545	10,229	10,861
CRIST 5	10,422	10,109	10,735
CRIST 6	10,258	9,950	10,566
CRIST 7	10,225	9,918	10,532
SMITH 1	10,259	9,951	10,567
SMITH 2	10,328	10,018	10,638
DANIEL 1	10,046	9,745	10,347
DANIEL 2	9,834	9,539	10,129

II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
Target Equivalent Availabilities
for January 2007 - December 2007

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR *	Planned Outage Hours for Jan '07 - Dec '07	Reserve Shutdown Hours for Jan '07 - Dec '07	Target Equivalent Availability **
Crist 4	0.0174	0	0	98.3
Crist 5	0.0292	0	0	97.1
Crist 6	0.0710	720	0	85.3
Crist 7	0.1362	288	0	83.5
Smith 1	0.0209	1,727	0	78.6
Smith 2	0.1064	0	0	89.4
Daniel 1	0.0467	1,177	0	82.5
Daniel 2	0.0431	168	0	93.9

* For Period July 2001 through June 2006.

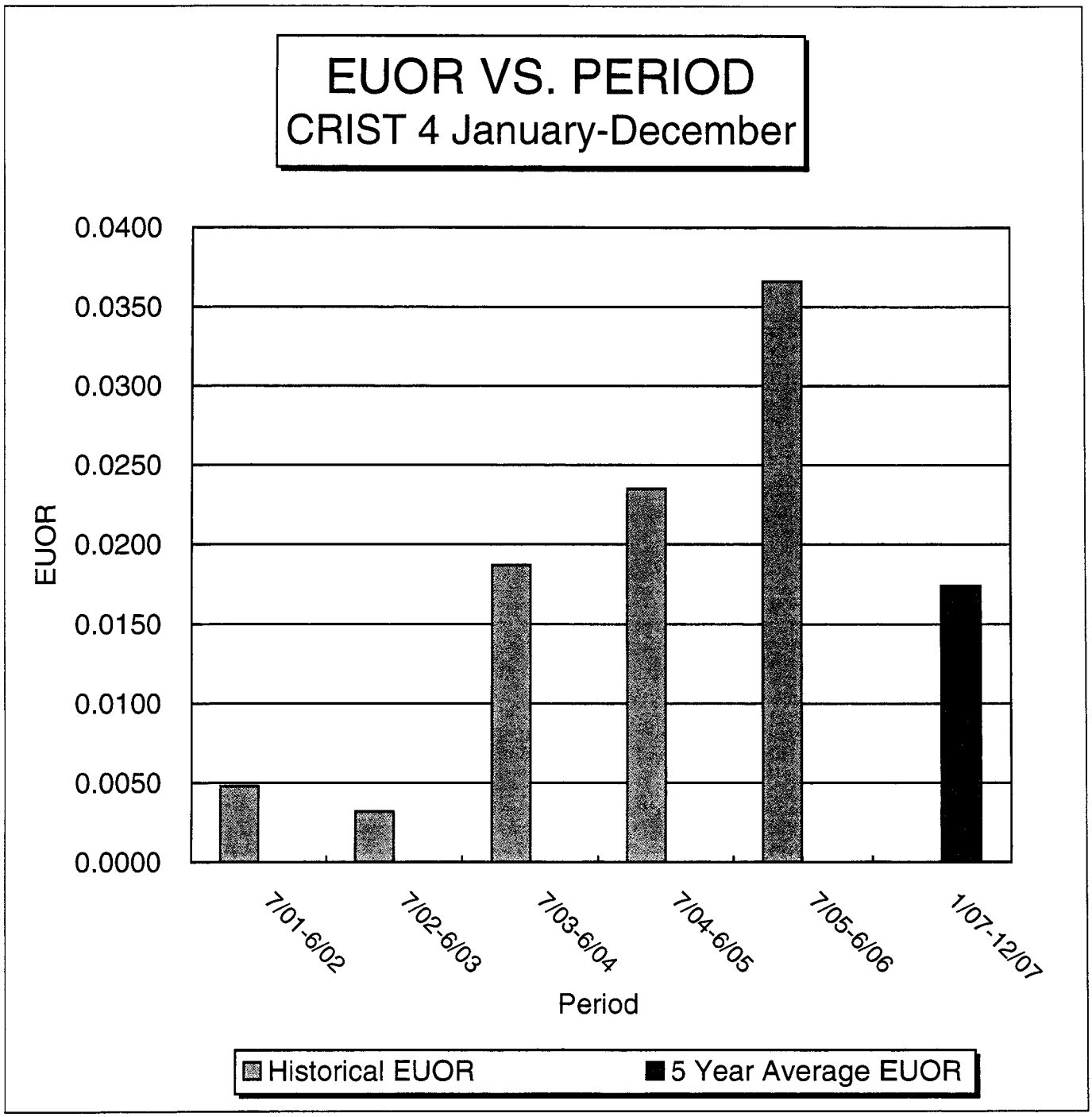
** EA = [1 - (POH + EUOR * (PH - POH - RSH)) / PH] * 100

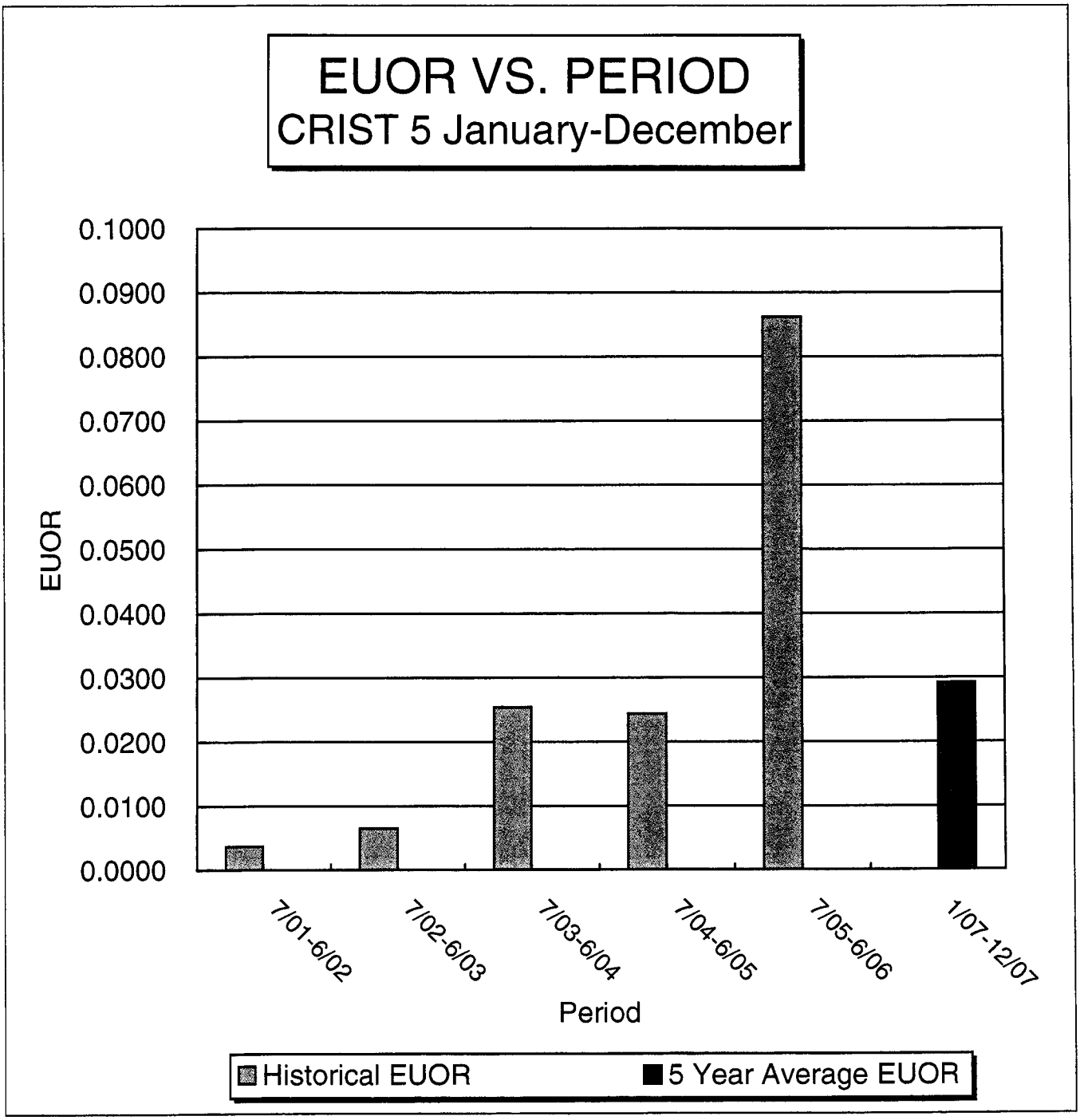
Calculation of Maximum and Minimum
Attainable Equivalent Availabilities
for January 2007 - December 2007

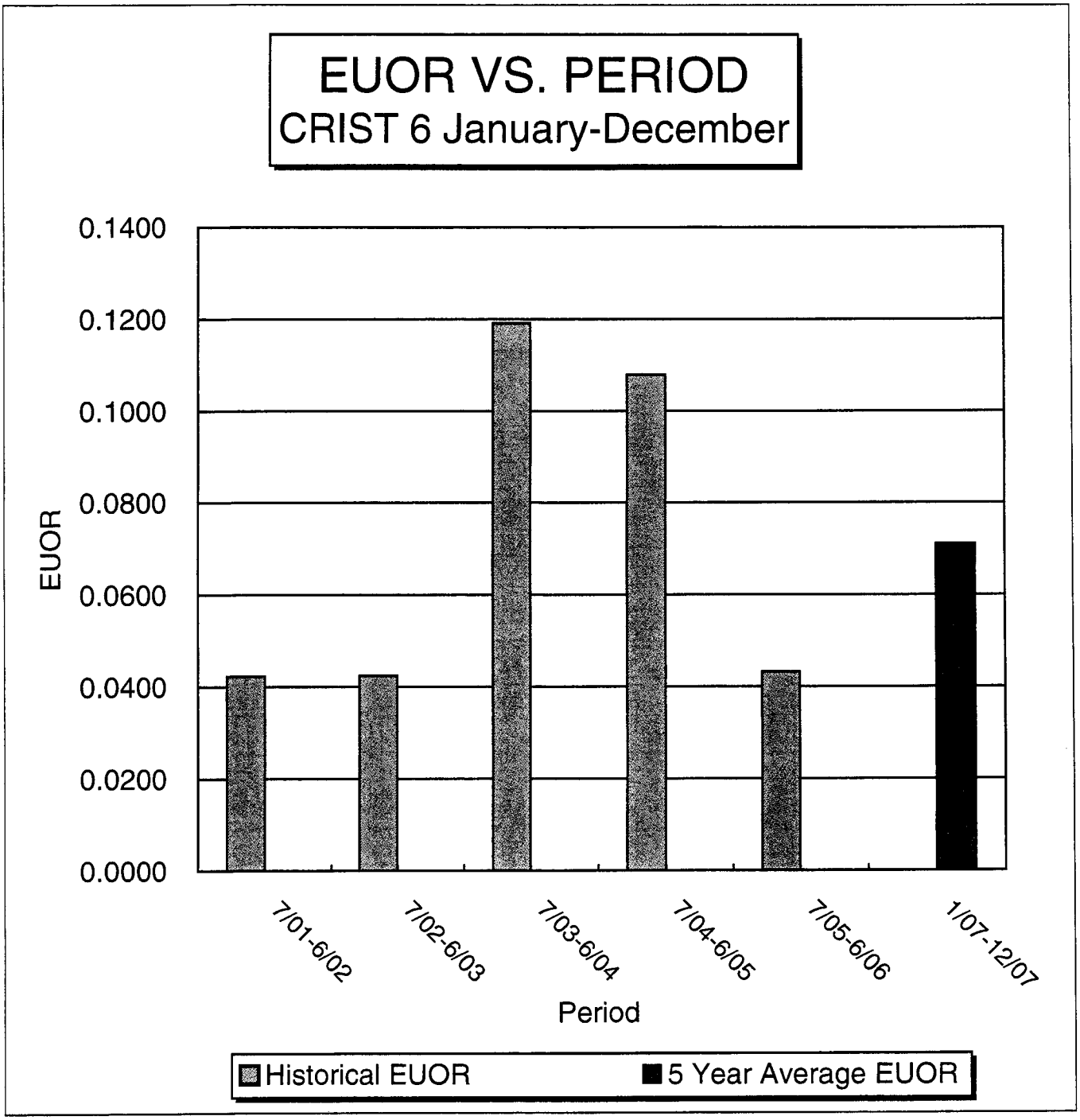
Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR (TARGET EUOR)	Minimum Attainable EUOR 70% of Target EUOR	Maximum Attainable Equivalent Availability	Maximum Attainable EUOR 145% of Target EUOR	Minimum Attainable Equivalent Availability
Crist 4	0.0174	0.0122	98.8	0.0252	97.5
Crist 5	0.0292	0.0204	98.0	0.0423	95.8
Crist 6	0.0710	0.0497	87.2	0.1030	82.3
Crist 7	0.1362	0.0953	87.5	0.1975	77.6
Smith 1	0.0209	0.0146	79.1	0.0303	77.9
Smith 2	0.1064	0.0745	92.6	0.1543	84.6
Daniel 1	0.0467	0.0327	83.7	0.0677	80.7
Daniel 2	0.0431	0.0302	95.1	0.0625	92.0

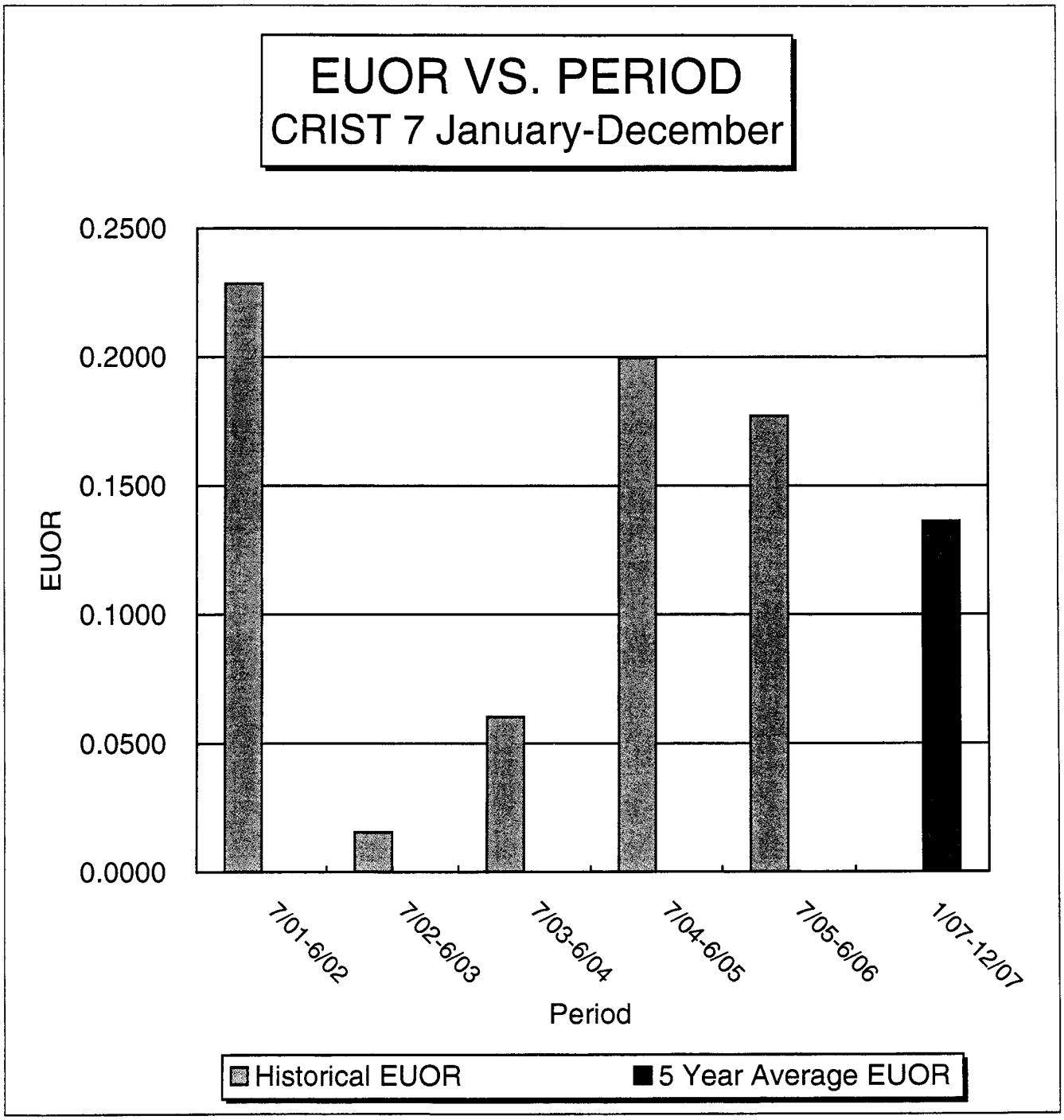
Summary of Target, Maximum, and Minimum
Equivalent Availabilities
for January 2007 - December 2007

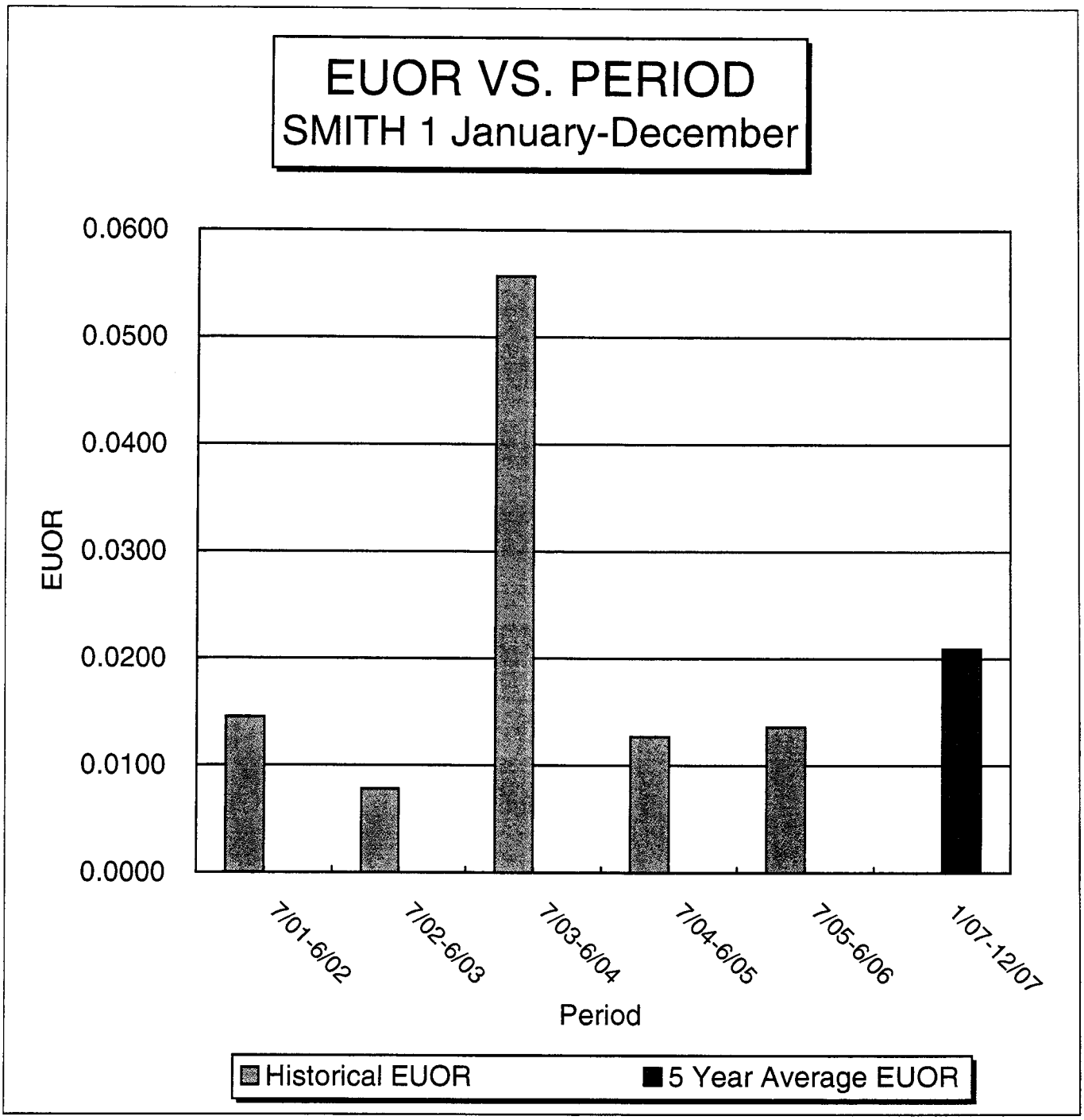
Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Crist 4	98.3	98.8	97.5
Crist 5	97.1	98.0	95.8
Crist 6	85.3	87.2	82.3
Crist 7	83.5	87.5	77.6
Smith 1	78.6	79.1	77.9
Smith 2	89.4	92.6	84.6
Daniel 1	82.5	83.7	80.7
Daniel 2	93.9	95.1	92.0

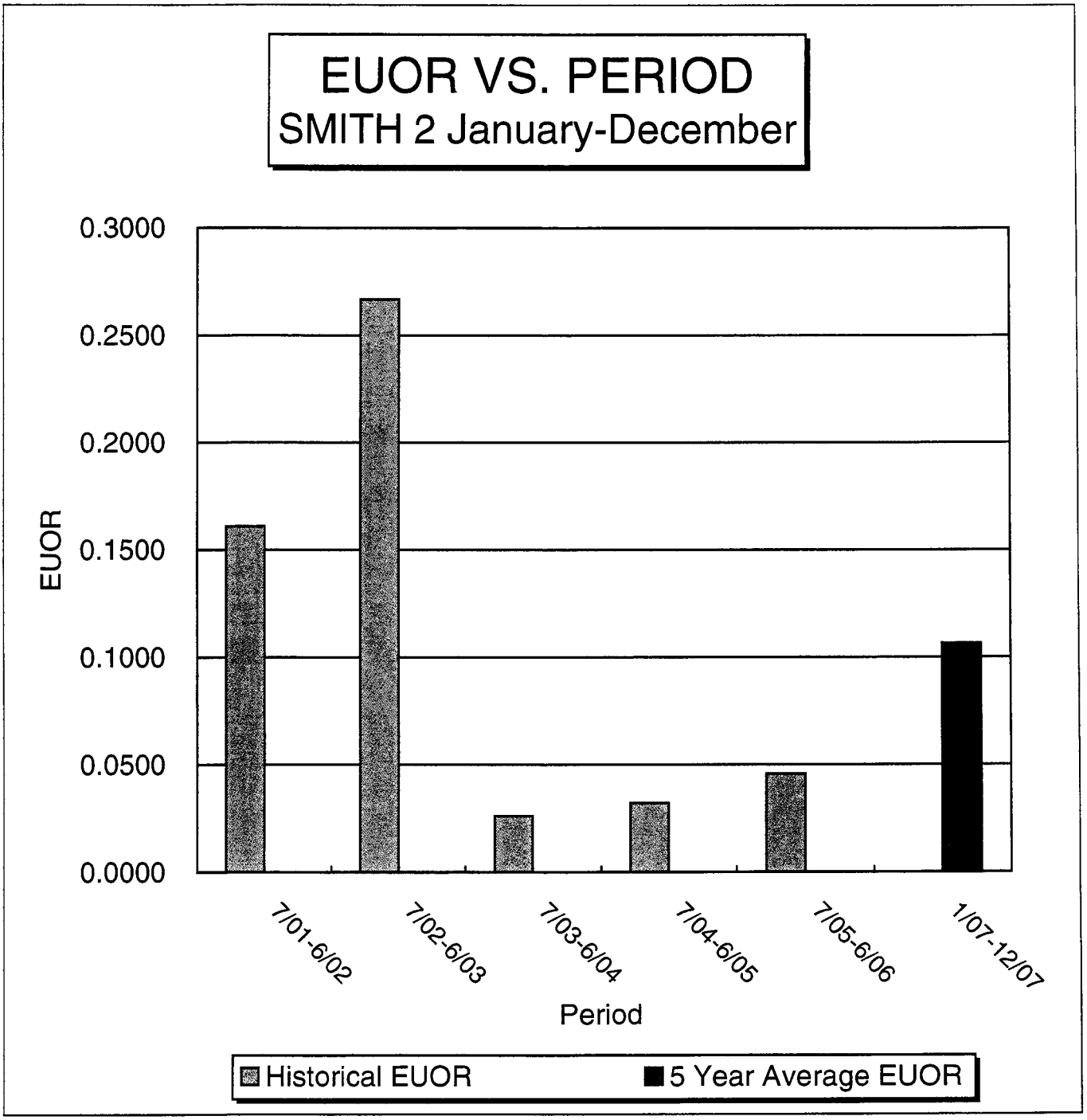

EUOR VS. PERIOD
CRIST 4 January-December
0.0400
0.0350
0.0300
0.0250
0.0200
0.0150
0.0100
0.0050
0.0000
EUOR
7/01-6/02
7/02-6/03
7/03-6/04
7/04-6/05
7/05-6/06
1/07-12/07
Period
Historical EUOR
5 Year Average EUOR

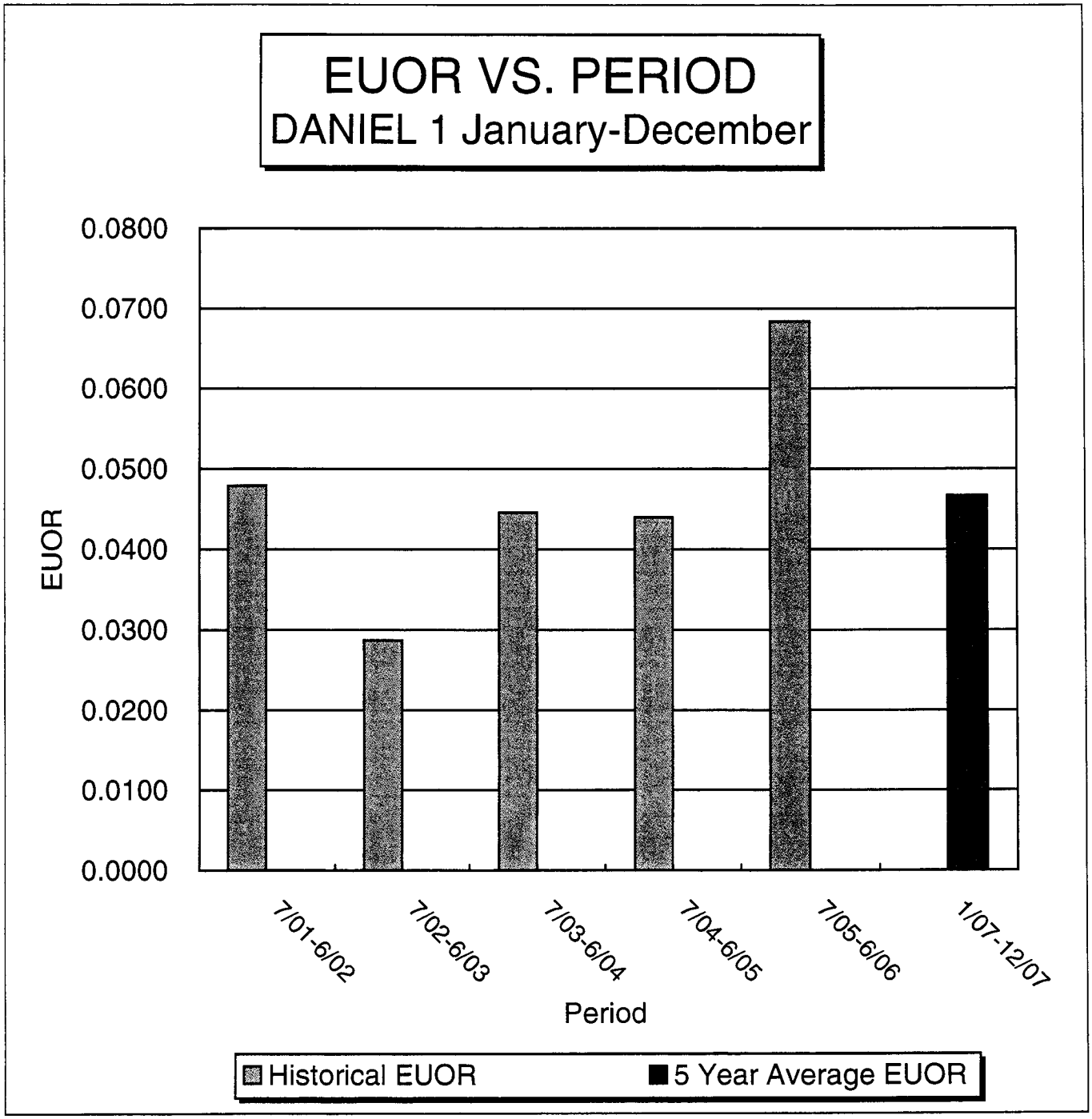

EUOR VS. PERIOD
CRIST 5 January-December
0.1000
0.0900
0.0800
0.0700
0.0600
0.0500
0.0400
0.0300
0.0200
0.0100
0.0000
EUOR
7/01-6/02
7/02-6/03
7/03-6/04
7/04-6/05
7/05-6/06
1/07-12/07
Period
Historical EUOR
5 Year Average EUOR

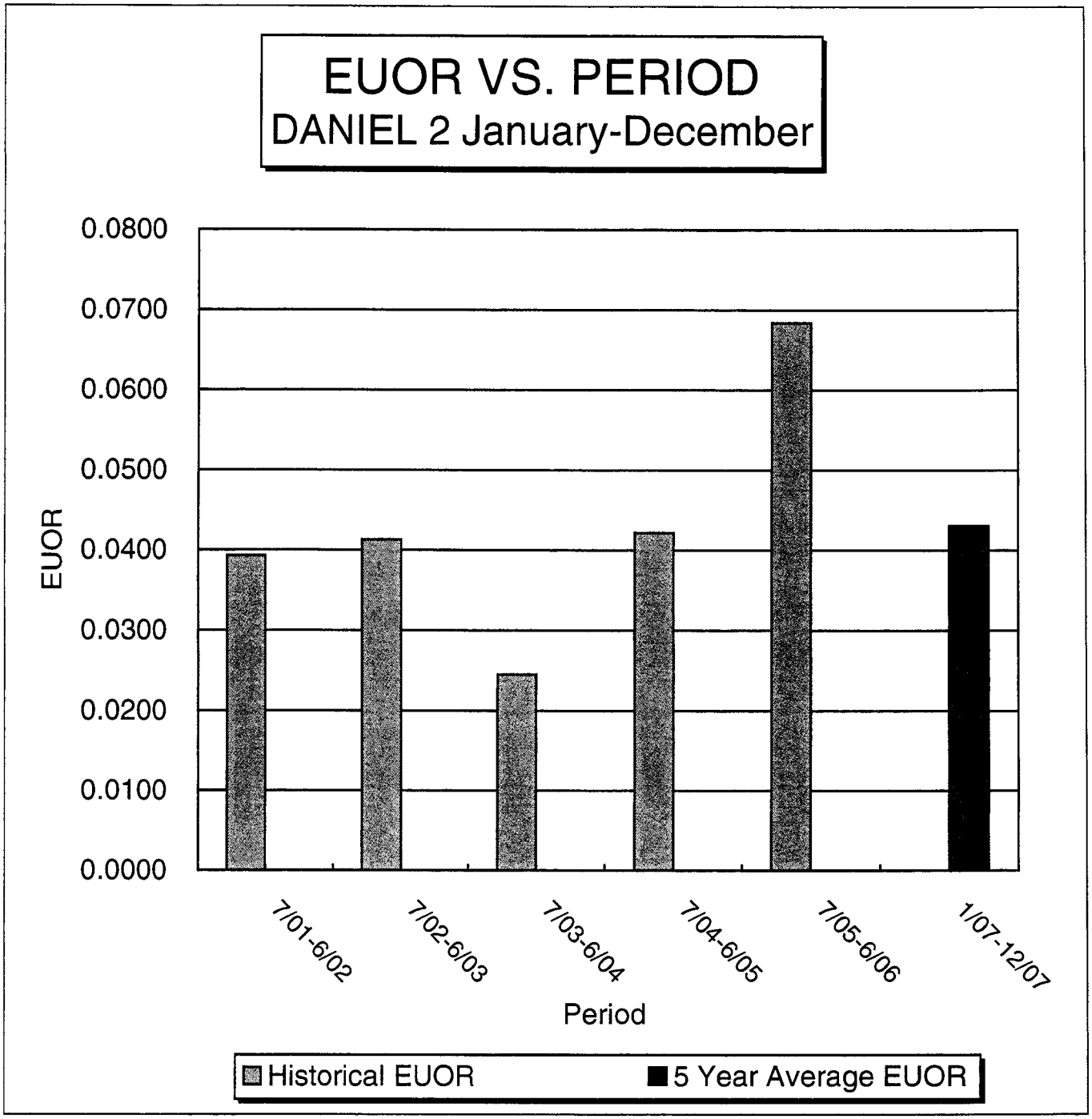

EUOR VS. PERIOD
CRIST 6 January-December
0.1400
0.1200
0.1000
0.0800
0.0600
0.0400
0.0200
0.0000
EUOR
7/01-6/02
7/02-6/03
7/03-6/04
7/04-6/05
7/05-6/06
1/07-12/07
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
CRIST 7 January-December
0.2500
0.2000
0.1500
0.1000
0.0500
0.0000
EUOR
7/01-6/02
7/02-6/03
7/03-6/04
7/04-6/05
7/05-6/06
1/07-12/07
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
7/01-6/02
7/02-6/03
7/03-6/04
7/04-6/05
7/05-6/06
1/07-12/07
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
SMITH 2 January-December
0.3000
0.2500
0.2000
0.1500
0.1000
0.0500
0.0000
EUOR
7/01-6/02
7/02-6/03
7/03-6/04
7/04-6/05
7/05-6/06
1/07-12/07
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
DANIEL 1 January-December
0.0800
0.0700
0.0600
0.0500
0.0400
0.0300
0.0200
0.0100
0.0000
EUOR
7/01-6/02
7/02-6/03
7/03-6/04
7/04-6/05
7/05-6/06
1/07-12/07
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
DANIEL 2 January-December
0.0800
0.0700
0.0600
0.0500
0.0400
0.0300
0.0200
0.0100
0.0000
EUOR
7/01-6/02
7/02-6/03
7/03-6/04
7/04-6/05
7/05-6/06
1/07-12/07
Period
Historical EUOR
5 Year Average EUOR

III. GPIF MINIMUM FILING REQUIREMENTS FOR THE PERIOD JANUARY 2007 - DECEMBER 2007

Generating Performance Incentive Factor

Estimated Reward/Penalty Table

Gulf Power Company

Period of: January 2007 - December 2007

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	11976	2746
+ 9	10778	2471
+ 8	9581	2197
+ 7	8383	1922
+ 6	7186	1648
+ 5	5988	1373
+ 4	4790	1098
+ 3	3593	824
+ 2	2395	549
+ 1	1198	275
0	0	0
- 1	-1382	-275
- 2	-2764	-549
- 3	-4147	-824
- 4	-5529	-1098
- 5	-6911	-1373
- 6	-8293	-1648
- 7	-9675	-1922
- 8	-11058	-2197
- 9	-12440	-2471
- 10	-13822	-2746
	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 2007 - December 2007

Line 1	Beginning of Period Balance of Common Equity	$639,262,000
	End of Month Balance of Common Equity:	
Line 2	Month of Jan '07	$708,469,000
Line 3	Month of Feb '07	$695,778,000
Line 4	Month of Mar '07	$700,095,000
Line 5	Month of Apr '07	$684,459,000
Line 6	Month of May '07	$693,431,000
Line 7	Month of Jun '07	$704,195,000
Line 8	Month of Jul '07	$697,731,000
Line 9	Month of Aug '07	$710,966,000
Line 10	Month of Sep '07	$718,547,000
Line 11	Month of Oct '07	$703,392,000
Line 12	Month of Nov '07	$705,248,000
Line 13	Month of Dec '07	$716,991,000
Line 14	Average Common Equity for the Period (sum of line 1 through line 13 divided by 13)	$698,351,077
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)	$2,844,338
Line 18	Jurisdictional Sales (KWH)	11,532,471,000
Line 19	Total Territorial Sales (KWH)	11,945,996,000
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)	96.5384%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 multiplied by line 20)	$2,745,878

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GPIF Unit Performance Summary

Gulf Power Company

Period of: January 2007 - December 2007

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range Max %	EAF Range Min %	Max Fuel Savings ($000)	Max Fuel Loss ($000)
Crist 4	0.2%	98.3	98.8	97.5	$22	($22)
Crist 5	0.3%	97.1	98.0	95.8	$32	($48)
Crist 6	2.9%	85.3	87.2	82.3	$347	($539)
Crist 7	14.0%	83.5	87.5	77.6	$1,674	($2,767)
Smith 1	0.5%	78.6	79.1	77.9	$56	($117)
Smith 2	4.6%	89.4	92.6	84.6	$546	($891)
Daniel 1	1.7%	82.5	83.7	80.7	$198	($222)
Daniel 2	2.5%	93.9	95.1	92.0	$300	($415)

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	3.6%	10,545	99.0	10,229	10,861	$427	($427)
Crist 5	3.7%	10,422	99.2	10,109	10,735	$438	($438)
Crist 6	11.7%	10,258	99.2	9,950	10,566	$1,400	($1,400)
Crist 7	21.6%	10,225	99.4	9,918	10,532	$2,584	($2,584)
Smith 1	6.5%	10,259	99.6	9,951	10,567	$779	($779)
Smith 2	8.9%	10,328	99.4	10,018	10,638	$1,067	($1,067)
Daniel 1	8.1%	10,046	98.8	9,745	10,347	$966	($966)
Daniel 2	9.5%	9,834	99.2	9,539	10,129	$1,140	($1,140)

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2007 - December 2007

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target			Actual Performance 1st Prior Period Jul '05 - Jun '06			Actual Performance 2nd Prior Period Jul '04 - Jun '05		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 4	0.2%	0.7%	0.0000	0.0174	0.0174	0.0000	0.0366	0.0366	0.0222	0.0228	0.0235
Crist 5	0.3%	1.0%	0.0000	0.0292	0.0292	0.0000	0.0860	0.0862	0.0219	0.0236	0.0244
Crist 6	2.9%	10.9%	0.0822	0.0652	0.0710	0.3459	0.0281	0.0432	0.0000	0.1079	0.1079
Crist 7	14.0%	52.7%	0.0329	0.1316	0.1362	0.0000	0.1765	0.1771	0.2054	0.1587	0.1997
Smith 1	0.5%	1.8%	0.1971	0.0168	0.0209	0.0588	0.0128	0.0136	0.0403	0.0122	0.0127
Smith 2	4.6%	17.2%	0.0000	0.1064	0.1064	0.0000	0.0457	0.0457	0.1962	0.0259	0.0322
Daniel 1	1.7%	6.2%	0.1344	0.0404	0.0467	0.1366	0.0590	0.0684	0.1343	0.0381	0.0440
Daniel 2	2.5%	9.4%	0.0192	0.0422	0.0431	0.1274	0.0596	0.0684	0.0743	0.0390	0.0422
Weighted GPIF System Average			0.0400	0.1020	0.1056	0.0594	0.1146	0.1180	0.1585	0.1066	0.1300

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2007 - December 2007

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Jul '03 - Jun '04			Actual Performance 4th Prior Period Jul '02 - Jun '03			Actual Performance 5th Prior Period Jul '01 - Jun '02		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 4	0.2%	0.7%	0.0598	0.0176	0.0187	0.0581	0.0030	0.0032	0.1009	0.0032	0.0048
Crist 5	0.3%	1.0%	0.0571	0.0239	0.0254	0.0598	0.0061	0.0065	0.1123	0.0024	0.0037
Crist 6	2.9%	10.9%	0.0650	0.1112	0.1191	0.0589	0.0399	0.0424	0.1562	0.0356	0.0423
Crist 7	14.0%	52.7%	0.2192	0.0472	0.0604	0.1199	0.0136	0.0155	0.1454	0.1952	0.2284
Smith 1	0.5%	1.8%	0.0798	0.0512	0.0557	0.1019	0.0070	0.0078	0.1105	0.0128	0.0145
Smith 2	4.6%	17.2%	0.0388	0.0252	0.0262	0.3159	0.1825	0.2668	0.1490	0.1303	0.1610
Daniel 1	1.7%	6.2%	0.0870	0.0407	0.0446	0.2250	0.0222	0.0287	0.0224	0.0466	0.0479
Daniel 2	2.5%	9.4%	0.1328	0.0212	0.0245	0.0526	0.0391	0.0413	0.2329	0.0291	0.0393
Weighted GPIF System Average			0.1497	0.0472	0.0558	0.1458	0.0482	0.0646	0.1465	0.1351	0.1598

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Average Net Operating Heat Rate

Gulf Power Company

Period of: January 2007 - December 2007

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Heat Rate Target	1st Prior Period Heat Rate Jul '05 - Jun '06	2nd Prior Period Heat Rate Jul '04 - Jun '05	3rd Prior Period Heat Rate Jul '03 - Jun '04
Crist 4	3.6%	4.9%	10,545	10,655	10,589	10,433
Crist 5	3.7%	5.0%	10,422	10,553	10,508	10,304
Crist 6	11.7%	15.9%	10,258	10,414	10,330	22,300
Crist 7	21.6%	29.4%	10,225	10,313	10,255	10,172
Smith 1	6.5%	8.9%	10,259	10,330	10,182	10,391
Smith 2	8.9%	12.1%	10,328	10,338	10,496	10,207
Daniel 1	8.1%	11.0%	10,046	10,073	10,055	10,048
Daniel 2	9.5%	13.0%	9,834	17,825	10,002	9,848
Weighted GPIF System Average:			10,201	11,309	10,264	12,089

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Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 6 Jul '04 - Jun '05

	Jul Jan	Aug Feb	Sep Mar	Oct Apr	Nov May	Dec Jun
1. Target Heat Rate*	10360.0 10722.0	10360.0 9995.0	10360.0 9722.0	10361.0 9867.0	10362.0 10367.0	10361.0 10360.0
2. Target Heat Rate at Actual Conditions**	10424.0 10783.0	10400.0 9982.0	10461.0 9684.0	10380.0 9849.0	10404.0 10391.0	10389.0 10397.0
3. Adjustments to Actual Heat Rate (1-2)	-64.0 -61.0	-40.0 13.0	-101.0 38.0	-19.0 18.0	-42.0 -24.0	-28.0 -37.0
4. Actual Heat Rate for Prior Period	10407.0 10115.0	10478.0 10210.0	10468.0 10271.0	10158.0 10283.0	10165.0 10594.0	10294.0 10615.0
5. Adjusted actual Heat Rate (4+3)	10343.0 10054.0	10438.0 10223.0	10367.0 10309.0	10139.0 10301.0	10123.0 10570.0	10266.0 10578.0
6. Forecast Net MWH Generation*	217591.0 172810.6	217591.0 138427.0	210405.0 217161.0	217491.0 210475.0	62763.8 212246.4	153886.3 210415.0

7. Adjusted Actual Heat Rate for Jul '04 - Jun '05 = (Σ ((5) * (6))) / (Σ (6)) 10,330

* For the January 2007 - December 2007 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 2007 - December 2007

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	$528,525	$528,503	$22	0.2%
Crist 4	ANOHR-1	$528,525	$528,098	$427	3.6%
Crist 5	EA-2	$528,525	$528,493	$32	0.3%
Crist 5	ANOHR-2	$528,525	$528,087	$438	3.7%
Crist 6	EA-3	$528,525	$528,178	$347	2.9%
Crist 6	ANOHR-3	$528,525	$527,125	$1,400	11.7%
Crist 7	EA-4	$528,525	$526,851	$1,674	14.0%
Crist 7	ANOHR-4	$528,525	$525,941	$2,584	21.6%
Smith 1	EA-5	$528,525	$528,469	$56	0.5%
Smith 1	ANOHR-5	$528,525	$527,746	$779	6.5%
Smith 2	EA-6	$528,525	$527,979	$546	4.6%
Smith 2	ANOHR-6	$528,525	$527,458	$1,067	8.9%
Daniel 1	EA-7	$528,525	$528,327	$198	1.7%
Daniel 1	ANOHR-7	$528,525	$527,559	$966	8.1%
Daniel 2	EA-8	$528,525	$528,225	$300	2.5%
Daniel 2	ANOHR-8	$528,525	$527,385	$1,140	9.5%

(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 2007 - December 2007

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	22	98.80	+ 10	427	10,229
+ 9	20	98.75	+ 9	384	10,253
+ 8	18	98.70	+ 8	342	10,277
+ 7	15	98.65	+ 7	299	10,301
+ 6	13	98.60	+ 6	256	10,325
+ 5	11	98.55	+ 5	214	10,350
+ 4	9	98.50	+ 4	171	10,374
+ 3	7	98.45	+ 3	128	10,398
+ 2	4	98.40	+ 2	85	10,422
+ 1	2	98.35	+ 1	43	10,446
				0	10,470
0	0	98.30	0	0	10,545
				0	10,620
- 1	(2)	98.22	- 1	(43)	10,644
- 2	(4)	98.14	- 2	(85)	10,668
- 3	(7)	98.06	- 3	(128)	10,692
- 4	(9)	97.98	- 4	(171)	10,716
- 5	(11)	97.90	- 5	(214)	10,741
- 6	(13)	97.82	- 6	(256)	10,765
- 7	(15)	97.74	- 7	(299)	10,789
- 8	(18)	97.66	- 8	(342)	10,813
- 9	(20)	97.58	- 9	(384)	10,837
- 10	(22)	97.50	- 10	(427)	10,861
Weighting Factor:		0.002	Weighting Factor:		0.036

Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2007 - December 2007

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	32	98.00	+ 10	438	10,109
+ 9	29	97.91	+ 9	394	10,133
+ 8	26	97.82	+ 8	350	10,157
+ 7	22	97.73	+ 7	307	10,180
+ 6	19	97.64	+ 6	263	10,204
+ 5	16	97.55	+ 5	219	10,228
+ 4	13	97.46	+ 4	175	10,252
+ 3	10	97.37	+ 3	131	10,276
+ 2	6	97.28	+ 2	88	10,299
+ 1	3	97.19	+ 1	44	10,323
				0	10,347
0	0	97.10	0	0	10,422
				0	10,497
- 1	(5)	96.97	- 1	(44)	10,521
- 2	(10)	96.84	- 2	(88)	10,545
- 3	(14)	96.71	- 3	(131)	10,568
- 4	(19)	96.58	- 4	(175)	10,592
- 5	(24)	96.45	- 5	(219)	10,616
- 6	(29)	96.32	- 6	(263)	10,640
- 7	(34)	96.19	- 7	(307)	10,664
- 8	(38)	96.06	- 8	(350)	10,687
- 9	(43)	95.93	- 9	(394)	10,711
- 10	(48)	95.80	- 10	(438)	10,735
Weighting Factor:		0.003	Weighting Factor:		0.037

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2007 - December 2007

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	347	87.20	+ 10	1,400	9,950
+ 9	312	87.01	+ 9	1,260	9,973
+ 8	278	86.82	+ 8	1,120	9,997
+ 7	243	86.63	+ 7	980	10,020
+ 6	208	86.44	+ 6	840	10,043
+ 5	174	86.25	+ 5	700	10,067
+ 4	139	86.06	+ 4	560	10,090
+ 3	104	85.87	+ 3	420	10,113
+ 2	69	85.68	+ 2	280	10,136
+ 1	35	85.49	+ 1	140	10,160
				0	10,183
0	0	85.30	0	0	10,258
				0	10,333
- 1	(54)	85.00	- 1	(140)	10,356
- 2	(108)	84.70	- 2	(280)	10,380
- 3	(162)	84.40	- 3	(420)	10,403
- 4	(216)	84.10	- 4	(560)	10,426
- 5	(270)	83.80	- 5	(700)	10,450
- 6	(323)	83.50	- 6	(840)	10,473
- 7	(377)	83.20	- 7	(980)	10,496
- 8	(431)	82.90	- 8	(1,120)	10,519
- 9	(485)	82.60	- 9	(1,260)	10,543
- 10	(539)	82.30	- 10	(1,400)	10,566
Weighting Factor:		0.029	Weighting Factor:		0.117

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2007 - December 2007

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	1,674	87.50	+ 10	2,584	9,918
+ 9	1,507	87.10	+ 9	2,326	9,941
+ 8	1,339	86.70	+ 8	2,067	9,964
+ 7	1,172	86.30	+ 7	1,809	9,988
+ 6	1,004	85.90	+ 6	1,550	10,011
+ 5	837	85.50	+ 5	1,292	10,034
+ 4	670	85.10	+ 4	1,034	10,057
+ 3	502	84.70	+ 3	775	10,080
+ 2	335	84.30	+ 2	517	10,104
+ 1	167	83.90	+ 1	258	10,127
				0	10,150
0	0	83.50	0	0	10,225
				0	10,300
- 1	(277)	82.91	- 1	(258)	10,323
- 2	(553)	82.32	- 2	(517)	10,346
- 3	(830)	81.73	- 3	(775)	10,370
- 4	(1,107)	81.14	- 4	(1,034)	10,393
- 5	(1,384)	80.55	- 5	(1,292)	10,416
- 6	(1,660)	79.96	- 6	(1,550)	10,439
- 7	(1,937)	79.37	- 7	(1,809)	10,462
- 8	(2,214)	78.78	- 8	(2,067)	10,486
- 9	(2,490)	78.19	- 9	(2,326)	10,509
- 10	(2,767)	77.60	- 10	(2,584)	10,532
Weighting Factor:		0.140	Weighting Factor:		0.216

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2007 - December 2007

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	56	79.10	+ 10	779	9,951
+ 9	50	79.05	+ 9	701	9,974
+ 8	45	79.00	+ 8	623	9,998
+ 7	39	78.95	+ 7	545	10,021
+ 6	34	78.90	+ 6	467	10,044
+ 5	28	78.85	+ 5	390	10,068
+ 4	22	78.80	+ 4	312	10,091
+ 3	17	78.75	+ 3	234	10,114
+ 2	11	78.70	+ 2	156	10,137
+ 1	6	78.65	+ 1	78	10,161
				0	10,184
0	0	78.60	0	0	10,259
				0	10,334
- 1	(12)	78.53	- 1	(78)	10,357
- 2	(23)	78.46	- 2	(156)	10,381
- 3	(35)	78.39	- 3	(234)	10,404
- 4	(47)	78.32	- 4	(312)	10,427
- 5	(59)	78.25	- 5	(390)	10,451
- 6	(70)	78.18	- 6	(467)	10,474
- 7	(82)	78.11	- 7	(545)	10,497
- 8	(94)	78.04	- 8	(623)	10,520
- 9	(105)	77.97	- 9	(701)	10,544
- 10	(117)	77.90	- 10	(779)	10,567
Weighting Factor:		0.005	Weighting Factor:		0.065

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Gulf Power Company

Period of: January 2007 - December 2007

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	546	92.60	+ 10	1,067	10,018
+ 9	491	92.28	+ 9	960	10,042
+ 8	437	91.96	+ 8	854	10,065
+ 7	382	91.64	+ 7	747	10,089
+ 6	328	91.32	+ 6	640	10,112
+ 5	273	91.00	+ 5	534	10,136
+ 4	218	90.68	+ 4	427	10,159
+ 3	164	90.36	+ 3	320	10,183
+ 2	109	90.04	+ 2	213	10,206
+ 1	55	89.72	+ 1	107	10,230
				0	10,253
0	0	89.40	0	0	10,328
				0	10,403
- 1	(89)	88.92	- 1	(107)	10,427
- 2	(178)	88.44	- 2	(213)	10,450
- 3	(267)	87.96	- 3	(320)	10,474
- 4	(356)	87.48	- 4	(427)	10,497
- 5	(446)	87.00	- 5	(534)	10,521
- 6	(535)	86.52	- 6	(640)	10,544
- 7	(624)	86.04	- 7	(747)	10,568
- 8	(713)	85.56	- 8	(854)	10,591
- 9	(802)	85.08	- 9	(960)	10,615
- 10	(891)	84.60	- 10	(1,067)	10,638
Weighting Factor:		0.046	Weighting Factor:		0.089

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Gulf Power Company

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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	198	83.70	+ 10	966	9,745
+ 9	178	83.58	+ 9	869	9,768
+ 8	158	83.46	+ 8	773	9,790
+ 7	139	83.34	+ 7	676	9,813
+ 6	119	83.22	+ 6	580	9,835
+ 5	99	83.10	+ 5	483	9,858
+ 4	79	82.98	+ 4	386	9,881
+ 3	59	82.86	+ 3	290	9,903
+ 2	40	82.74	+ 2	193	9,926
+ 1	20	82.62	+ 1	97	9,948
				0	9,971
0	0	82.50	0	0	10,046
				0	10,121
- 1	(22)	82.32	- 1	(97)	10,144
- 2	(44)	82.14	- 2	(193)	10,166
- 3	(67)	81.96	- 3	(290)	10,189
- 4	(89)	81.78	- 4	(386)	10,211
- 5	(111)	81.60	- 5	(483)	10,234
- 6	(133)	81.42	- 6	(580)	10,257
- 7	(155)	81.24	- 7	(676)	10,279
- 8	(178)	81.06	- 8	(773)	10,302
- 9	(200)	80.88	- 9	(869)	10,324
- 10	(222)	80.70	- 10	(966)	10,347
Weighting Factor:		0.017	Weighting Factor:		0.081

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Gulf Power Company

Period of: January 2007 - December 2007

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	300	95.10	+ 10	1,140	9,539
+ 9	270	94.98	+ 9	1,026	9,561
+ 8	240	94.86	+ 8	912	9,583
+ 7	210	94.74	+ 7	798	9,605
+ 6	180	94.62	+ 6	684	9,627
+ 5	150	94.50	+ 5	570	9,649
+ 4	120	94.38	+ 4	456	9,671
+ 3	90	94.26	+ 3	342	9,693
+ 2	60	94.14	+ 2	228	9,715
+ 1	30	94.02	+ 1	114	9,737
				0	9,759
0	0	93.90	0	0	9,834
				0	9,909
- 1	(42)	93.71	- 1	(114)	9,931
- 2	(83)	93.52	- 2	(228)	9,953
- 3	(125)	93.33	- 3	(342)	9,975
- 4	(166)	93.14	- 4	(456)	9,997
- 5	(208)	92.95	- 5	(570)	10,019
- 6	(249)	92.76	- 6	(684)	10,041
- 7	(291)	92.57	- 7	(798)	10,063
- 8	(332)	92.38	- 8	(912)	10,085
- 9	(374)	92.19	- 9	(1,026)	10,107
- 10	(415)	92.00	- 10	(1,140)	10,129
Weighting Factor:		0.025	Weighting Factor:		0.095

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ESTIMATED UNIT PERFORMANCE DATA

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	CRIST 4	Jan '07	Feb '07	Mar '07	Apr '07	May '07	Jun '07	
1.	EAF (%)	99.1	99.3	98.9	99.0	99.2	99.2	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	0.9	0.7	1.1	1.0	0.8	0.8	
4.	EUOR (%)	0.9	0.7	1.1	1.0	0.8	0.8	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	738.0	667.0	738.0	713.0	738.0	714.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	6.0	5.0	6.0	6.0	6.0	6.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	7.0	5.0	8.0	7.0	6.0	6.0	
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	584596.0	535026.0	602211.0	583568.0	586637.0	593543.0	
13.	Net Gen (MWH)	56450.0	51653.4	57087.0	55325.0	55547.5	55347.2	
14.	ANOHR (Btu/KWH)	10356.0	10358.0	10549.0	10548.0	10561.0	10724.0	
15.	NOF %	98.1	99.3	99.2	99.5	96.5	99.4	
16.	NPC (MW)	78.0	78.0	78.0	78.0	78.0	78.0	

19.	ANOHR Equation	10^6 / AKW * [32.38 - 15.16 * JAN - 14.84 * FEB + 13.60 * JUN + 10.74 * NOV] + 10,131

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GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	CRIST 4	Jul '07	Aug '07	Sep '07	Oct '07	Nov '07	Dec '07	Total
1.	EAF (%)	99.2	99.2	99.2	98.9	98.9	89.4	98.3
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	0.8	0.8	0.8	1.1	1.1	10.6	1.7
4.	EUOR (%)	0.8	0.8	0.8	1.1	1.1	10.6	1.7
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	738.0	738.0	714.0	739.0	714.0	667.0	8618.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	6.0	6.0	6.0	6.0	6.0	77.0	142.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	6.0	6.0	6.0	8.0	8.0	7.0	80.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	72.0	72.0
12.	Oper MBtu	605683.0	605894.0	583518.0	604004.0	589425.0	543635.0	7017740.0
13.	Net Gen (MWH)	57427.0	57447.0	55315.0	57257.0	55138.0	51529.4	665523.5
14.	ANOHR (Btu/KWH)	10547.0	10547.0	10549.0	10549.0	10690.0	10550.0	10545.0
15.	NOF %	99.8	99.8	99.3	99.3	99.0	99.0	99.0
16.	NPC (MW)	78.0	78.0	78.0	78.0	78.0	78.0	78.0

19.	ANOHR Equation	10^6 / AKW * [32.38 - 15.16 * JAN - 14.84 * FEB + 13.60 * JUN + 10.74 * NOV] + 10,131

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GULF POWER COMPANY

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	CRIST 5	Jan '07	Feb '07	Mar '07	Apr '07	May '07	Jun '07	
1.	EAF (%)	86.0	98.5	98.5	92.2	98.8	98.9	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	14.0	1.5	1.5	7.8	1.2	1.1	
4.	EUOR (%)	14.0	1.5	1.5	7.8	1.2	1.1	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	640.0	664.0	735.0	663.0	735.0	712.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	104.0	8.0	9.0	56.0	9.0	8.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	8.0	10.0	11.0	8.0	9.0	8.0	
11.	MOH & EMOH	96.0	0.0	0.0	48.0	0.0	0.0	
12.	Oper MBtu	516504.0	551538.0	609290.0	550600.0	595775.0	591003.0	
13.	Net Gen (MWH)	50185.0	52880.0	58411.5	52790.0	57001.1	56663.8	
14.	ANOHR (Btu/KWH)	10292.0	10430.0	10431.0	10430.0	10452.0	10430.0	
15.	NOF %	98.0	99.5	99.3	99.5	96.9	99.5	
16.	NPC (MW)	80.0	80.0	80.0	80.0	80.0	80.0	

19.	ANOHR Equation	10^6 / AKW * [66.40 - 11.85 * JAN] + 9,596

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GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	CRIST 5	Jul '07	Aug '07	Sep '07	Oct '07	Nov '07	Dec '07	Total
1.	EAF (%)	98.8	98.8	98.9	98.5	98.6	98.5	97.1
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	1.2	1.2	1.1	1.5	1.4	1.5	2.9
4.	EUOR (%)	1.2	1.2	1.1	1.5	1.4	1.5	2.9
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	735.0	735.0	712.0	736.0	712.0	735.0	8514.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	9.0	9.0	8.0	9.0	8.0	9.0	246.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	9.0	9.0	8.0	11.0	10.0	11.0	112.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	144.0
12.	Oper MBtu	611811.0	611915.0	590446.0	611198.0	589191.0	610572.0	7039843.0
13.	Net Gen (MWH)	58670.0	58680.0	56604.9	58600.0	56473.8	58540.0	675500.1
14.	ANOHR (Btu/KWH)	10428.0	10428.0	10431.0	10430.0	10433.0	10430.0	10422.0
15.	NOF %	99.8	99.8	99.4	99.5	99.1	99.6	99.2
16.	NPC (MW)	80.0	80.0	80.0	80.0	80.0	80.0	80.0

19.	ANOHR Equation	10^6 / AKW * [66.40 - 11.85 * JAN] + 9,596

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GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	CRIST 6	Jan '07	Feb '07	Mar '07	Apr '07	May '07	Jun '07	
1.	EAF (%)	78.1	69.0	96.8	96.8	97.0	97.1	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	21.9	31.0	3.2	3.2	3.0	2.9	
4.	EUOR (%)	21.9	31.0	3.2	3.2	3.0	2.9	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	583.0	466.0	722.0	698.0	722.0	699.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	161.0	206.0	22.0	21.0	22.0	21.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	19.0	16.0	24.0	23.0	22.0	21.0	
11.	MOH & EMOH	144.0	192.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	1852875.0	1383578.0	2111239.0	2076757.0	2200358.0	2179899.0	
13.	Net Gen (MWH)	172810.6	138427.0	217161.0	210475.0	212246.4	210415.0	
14.	ANOHR (Btu/KWH)	10722.0	9995.0	9722.0	9867.0	10367.0	10360.0	
15.	NOF %	98.2	98.4	99.6	99.8	97.3	99.7	
16.	NPC (MW)	302.0	302.0	302.0	302.0	302.0	302.0	

19.	ANOHR Equation	10^6 / AKW * [87.10 + 105.75 * JAN - 109.59 * FEB - 192.13 * MAR - 148.46 * APR] + 10,071

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GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	CRIST 6	Jul '07	Aug '07	Sep '07	Oct '07	Nov '07	Dec '07	Total
1.	EAF (%)	97.0	97.0	96.8	97.0	29.2	69.0	85.3
2.	POF (%)	0.0	0.0	0.0	0.0	70.0	29.0	8.2
3.	EUOF (%)	3.0	3.0	3.2	3.0	0.8	2.0	6.5
4.	EUOR (%)	3.0	3.0	3.2	3.0	2.8	2.8	7.1
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	722.0	722.0	699.0	723.0	210.0	513.0	7479.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	22.0	22.0	21.0	22.0	510.0	231.0	1281.0
9.	POH	0.0	0.0	0.0	0.0	504.0	216.0	720.0
10.	FOH & EFOH	22.0	22.0	23.0	22.0	6.0	15.0	235.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	336.0
12.	Oper MBtu	2254243.0	2254243.0	2179796.0	2253424.0	650358.0	1594416.0	22991186.0
13.	Net Gen (MWH)	217591.0	217591.0	210405.0	217491.0	62763.8	153886.3	2241263.1
14.	ANOHR (Btu/KWH)	10360.0	10360.0	10360.0	10361.0	10362.0	10361.0	10258.0
15.	NOF %	99.8	99.8	99.7	99.6	99.0	99.3	99.2
16.	NPC (MW)	302.0	302.0	302.0	302.0	302.0	302.0	302.0

19.	ANOHR Equation	10^6 / AKW * [87.10 + 105.75 * JAN - 109.59 * FEB - 192.13 * MAR - 148.46 * APR] + 10,071

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	CRIST 7	Jan '07	Feb '07	Mar '07	Apr '07	May '07	Jun '07	
1.	EAF (%)	80.1	72.2	89.1	52.3	92.2	92.2	
2.	POF (%)	0.0	0.0	0.0	40.1	0.0	0.0	
3.	EUOF (%)	19.9	27.8	10.9	7.6	7.8	7.8	
4.	EUOR (%)	19.9	27.8	10.9	12.8	7.8	7.8	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	598.0	487.0	664.0	376.0	686.0	664.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	146.0	185.0	80.0	343.0	58.0	56.0	
9.	POH	0.0	0.0	0.0	288.0	0.0	0.0	
10.	FOH & EFOH	52.0	43.0	57.0	31.0	58.0	56.0	
11.	MOH & EMOH	96.0	144.0	24.0	24.0	0.0	0.0	
12.	Oper MBtu	2884038.0	2339811.0	3307074.0	1841840.0	3298722.0	3218906.0	
13.	Net Gen (MWH)	282943.0	229438.2	316012.8	177543.9	323499.3	316012.8	
14.	ANOHR (Btu/KWH)	10193.0	10198.0	10465.0	10374.0	10197.0	10186.0	
15.	NOF %	99.2	98.8	99.8	99.0	98.9	99.8	
16.	NPC (MW)	477.0	477.0	477.0	477.0	477.0	477.0	

19.	ANOHR Equation	10^6 / AKW * [568.24 + 132.87 * MAR + 84.49 * APR] + 8,992

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GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	CRIST 7	Jul '07	Aug '07	Sep '07	Oct '07	Nov '07	Dec '07	Total
1.	EAF (%)	92.2	92.2	92.2	80.4	85.8	80.1	83.5
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	3.3
3.	EUOF (%)	7.8	7.8	7.8	19.6	14.2	19.9	13.2
4.	EUOR (%)	7.8	7.8	7.8	19.6	14.2	19.9	13.6
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	686.0	686.0	664.0	599.0	620.0	598.0	7328.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	58.0	58.0	56.0	146.0	100.0	146.0	1432.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	288.0
10.	FOH & EFOH	58.0	58.0	56.0	50.0	54.0	52.0	625.0
11.	MOH & EMOH	0.0	0.0	0.0	96.0	48.0	96.0	528.0
12.	Oper MBtu	3325798.0	3325798.0	3218906.0	2885748.0	2998721.0	2885182.0	35530544.0
13.	Net Gen (MWH)	326506.8	326506.8	316012.8	283083.0	294309.6	283083.0	3474952.0
14.	ANOHR (Btu/KWH)	10186.0	10186.0	10186.0	10194.0	10189.0	10192.0	10225.0
15.	NOF %	99.8	99.8	99.8	99.1	99.5	99.2	99.4
16.	NPC (MW)	477.0	477.0	477.0	477.0	477.0	477.0	477.0

19.	ANOHR Equation	10^6 / AKW * [568.24 + 132.87 * MAR + 84.49 * APR] + 8,992

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	SMITH 1	Jan '07	Feb '07	Mar '07	Apr '07	May '07	Jun '07	
1.	EAF (%)	98.8	98.8	19.2	0.0	35.2	99.0	
2.	POF (%)	0.0	0.0	71.0	100.0	64.5	0.0	
3.	EUOF (%)	1.2	1.2	9.8	0.0	0.3	1.0	
4.	EUOR (%)	1.2	1.2	33.8	0.0	0.8	1.0	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	737.0	666.0	143.0	0.0	262.0	713.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	7.0	6.0	601.0	719.0	482.0	7.0	
9.	POH	0.0	0.0	528.0	719.0	480.0	0.0	
10.	FOH & EFOH	9.0	8.0	1.0	0.0	2.0	7.0	
11.	MOH & EMOH	0.0	0.0	72.0	0.0	0.0	0.0	
12.	Oper MBtu	1210915.0	1106783.0	231563.0	0.0	425459.0	1190151.0	
13.	Net Gen (MWH)	118624.1	107569.5	22680.0	0.0	41674.9	115213.1	
14.	ANOHR (Btu/KWH)	10208.0	10289.0	10210.0	-	10209.0	10330.0	
15.	NOF %	99.4	99.7	97.9	0.0	98.2	99.7	
16.	NPC (MW)	162.0	162.0	162.0	162.0	162.0	162.0	

19.	ANOHR Equation	10^6 / AKW * [20.54 + 13.19 * FEB + 19.94 * JUN + 16.67 * JUL + 11.07 * AUG + 20.27 * SEP] + 10,080

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	SMITH 1	Jul '07	Aug '07	Sep '07	Oct '07	Nov '07	Dec '07	Total
1.	EAF (%)	99.1	99.1	99.0	98.8	98.8	98.8	78.6
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	19.7
3.	EUOF (%)	0.9	0.9	1.0	1.2	1.2	1.2	1.7
4.	EUOR (%)	0.9	0.9	1.0	1.2	1.3	1.2	2.1
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	737.0	737.0	713.0	738.0	713.0	737.0	6896.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	7.0	7.0	7.0	7.0	7.0	7.0	1864.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	1727.0
10.	FOH & EFOH	7.0	7.0	7.0	9.0	9.0	9.0	75.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	72.0
12.	Oper MBtu	1228447.0	1224277.0	1190853.0	1216174.0	1176387.0	1215970.0	11416979.0
13.	Net Gen (MWH)	119151.0	119151.0	115258.7	119151.0	115253.0	119131.0	1112857.3
14.	ANOHR (Btu/KWH)	10310.0	10275.0	10332.0	10207.0	10207.0	10207.0	10259.0
15.	NOF %	99.8	99.8	99.8	99.7	99.8	99.8	99.6
16.	NPC (MW)	162.0	162.0	162.0	162.0	162.0	162.0	162.0

19.	ANOHR Equation	10^6 / AKW * [20.54 + 13.19 * FEB + 19.94 * JUN + 16.67 * JUL + 11.07 * AUG + 20.27 * SEP] + 10,080

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GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	SMITH 2	Jan '07	Feb '07	Mar '07	Apr '07	May '07	Jun '07	
1.	EAF (%)	93.3	93.3	75.3	87.3	93.5	93.6	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	6.7	6.7	24.7	12.7	6.5	6.4	
4.	EUOR (%)	6.7	6.7	24.7	12.7	6.5	6.4	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	696.0	629.0	562.0	628.0	696.0	674.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	48.0	43.0	182.0	91.0	48.0	46.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	50.0	45.0	40.0	43.0	48.0	46.0	
11.	MOH & EMOH	0.0	0.0	144.0	48.0	0.0	0.0	
12.	Oper MBtu	1393370.0	1263011.0	1098017.0	1291125.0	1380246.0	1353603.0	
13.	Net Gen (MWH)	134925.0	122290.0	108317.7	122023.0	133680.0	131061.5	
14.	ANOHR (Btu/KWH)	10327.0	10328.0	10137.0	10581.0	10325.0	10328.0	
15.	NOF %	99.4	99.7	98.8	99.6	98.5	99.7	
16.	NPC (MW)	195.0	195.0	195.0	195.0	195.0	195.0	

19.	ANOHR Equation	10^6 / AKW * [273.24 - 36.28 * MAR + 49.10 * APR - 13.76 * JUL] + 6,470 + 0.01265 * LSRF / AKW

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	SMITH 2	Jul '07	Aug '07	Sep '07	Oct '07	Nov '07	Dec '07	Total
1.	EAF (%)	93.5	93.5	93.6	69.4	93.3	93.3	89.4
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	6.5	6.5	6.4	30.6	6.7	6.7	10.6
4.	EUOR (%)	6.5	6.5	6.4	30.6	6.7	6.7	10.6
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	696.0	696.0	674.0	518.0	674.0	696.0	7839.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	48.0	48.0	46.0	227.0	46.0	48.0	921.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	48.0	48.0	46.0	36.0	48.0	50.0	548.0
11.	MOH & EMOH	0.0	0.0	0.0	192.0	0.0	0.0	384.0
12.	Oper MBtu	1389087.0	1398566.0	1354042.0	1024762.0	1354042.0	1398360.0	15698231.0
13.	Net Gen (MWH)	135415.0	135415.0	131104.0	99260.2	131104.0	135395.0	1519990.4
14.	ANOHR (Btu/KWH)	10258.0	10328.0	10328.0	10324.0	10328.0	10328.0	10328.0
15.	NOF %	99.8	99.8	99.8	98.3	99.8	99.8	99.4
16.	NPC (MW)	195.0	195.0	195.0	195.0	195.0	195.0	195.0

19.	ANOHR Equation	10^6 / AKW * [273.24 - 36.28 * MAR + 49.10 * APR - 13.76 * JUL] + 6,470 + 0.01265 * LSRF / AKW

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	DANIEL 1	Jan '07	Feb '07	Mar '07	Apr '07	May '07	Jun '07	
1.	EAF (%)	75.8	97.6	97.6	97.9	97.8	97.9	
2.	POF (%)	22.6	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	1.6	2.4	2.4	2.1	2.2	2.1	
4.	EUOR (%)	2.1	2.4	2.4	2.1	2.2	2.1	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	564.0	658.0	728.0	704.0	728.0	705.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	180.0	14.0	16.0	15.0	16.0	15.0	
9.	POH	168.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	12.0	16.0	18.0	15.0	16.0	15.0	
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	2831161.0	3378749.0	3720515.0	3682851.0	3582319.0	3615980.0	
13.	Net Gen (MWH)	281707.6	336528.8	370421.6	360145.8	355953.8	360085.6	
14.	ANOHR (Btu/KWH)	10050.0	10040.0	10044.0	10226.0	10064.0	10042.0	
15.	NOF %	97.2	99.5	99.0	99.5	95.1	99.4	
16.	NPC (MW)	514.0	514.0	514.0	514.0	514.0	514.0	

19.	ANOHR Equation	10^6 / AKW * [2547.49 + 95.70 * APR - 90.73 * SEP - 114.94 * OCT] - 538 + 10^6 / AKW * [-0.0550 * BTU/LB] + 0.01343 * LSRF / AKW

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GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	DANIEL 1	Jul '07	Aug '07	Sep '07	Oct '07	Nov '07	Dec '07	Total
1.	EAF (%)	97.8	97.8	91.4	0.0	61.9	78.8	82.5
2.	POF (%)	0.0	0.0	6.7	100.0	30.0	0.0	13.4
3.	EUOF (%)	2.2	2.2	1.9	0.0	8.1	21.2	4.1
4.	EUOR (%)	2.2	2.2	2.1	0.0	11.5	21.2	4.7
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	728.0	728.0	658.0	0.0	446.0	587.0	7234.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	16.0	16.0	62.0	745.0	274.0	157.0	1526.0
9.	POH	0.0	0.0	48.0	745.0	216.0	0.0	1177.0
10.	FOH & EFOH	16.0	16.0	14.0	0.0	10.0	14.0	162.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	48.0	144.0	192.0
12.	Oper MBtu	3752243.0	3752773.0	3309826.0	0.0	2267977.0	2992614.0	36887008.0
13.	Net Gen (MWH)	373766.6	373856.6	335546.0	0.0	225871.6	298039.4	3671923.4
14.	ANOHR (Btu/KWH)	10039.0	10038.0	9864.0	-	10041.0	10041.0	10046.0
15.	NOF %	99.9	99.9	99.2	0.0	98.5	98.8	98.8
16.	NPC (MW)	514.0	514.0	514.0	514.0	514.0	514.0	514.0

19.	ANOHR Equation	10^6 / AKW * [2547.49 + 95.70 * APR - 90.73 * SEP - 114.94 * OCT] - 538 + 10^6 / AKW * [-0.0550 * BTU/LB] + 0.01343 * LSRF / AKW

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GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	DANIEL 2	Jan '07	Feb '07	Mar '07	Apr '07	May '07	Jun '07	
1.	EAF (%)	75.0	89.9	96.8	90.4	96.8	96.8	
2.	POF (%)	22.6	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	2.4	10.1	3.2	9.6	3.2	3.2	
4.	EUOR (%)	3.1	10.1	3.2	9.6	3.2	3.2	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	558.0	604.0	720.0	650.0	720.0	697.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	186.0	68.0	24.0	69.0	24.0	23.0	
9.	POH	168.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	18.0	20.0	24.0	21.0	24.0	23.0	
11.	MOH & EMOH	0.0	48.0	0.0	48.0	0.0	0.0	
12.	Oper MBtu	2752146.0	3033669.0	3619591.0	3267142.0	3504728.0	3511031.0	
13.	Net Gen (MWH)	279831.8	308519.2	368031.6	332330.6	356135.4	357029.8	
14.	ANOHR (Btu/KWH)	9835.0	9833.0	9835.0	9831.0	9841.0	9834.0	
15.	NOF %	97.6	99.4	99.4	99.5	96.2	99.7	
16.	NPC (MW)	514.0	514.0	514.0	514.0	514.0	514.0	

19.	ANOHR Equation	10^6 / AKW * [1237.97 + 120.49 * JUL - 109.59 * SEP] + 9,584 + 10^6 / AKW * [-0.0983 * BTU/LB]

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GULF POWER COMPANY

PERIOD OF: January 2007 - December 2007

	DANIEL 2	Jul '07	Aug '07	Sep '07	Oct '07	Nov '07	Dec '07	Total
1.	EAF (%)	96.8	96.8	96.8	96.8	96.5	96.8	93.9
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	1.9
3.	EUOF (%)	3.2	3.2	3.2	3.2	3.5	3.2	4.2
4.	EUOR (%)	3.2	3.2	3.2	3.2	3.5	3.2	4.3
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	720.0	720.0	697.0	721.0	697.0	720.0	8224.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	24.0	24.0	23.0	24.0	23.0	24.0	536.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	168.0
10.	FOH & EFOH	24.0	24.0	23.0	24.0	25.0	24.0	274.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	96.0
12.	Oper MBtu	3722135.0	3635262.0	3431742.0	3626948.0	3499050.0	3626119.0	41229563.0
13.	Net Gen (MWH)	369773.0	369813.0	356767.0	369155.0	356101.2	368958.0	4192445.6
14.	ANOHR (Btu/KWH)	10066.0	9830.0	9619.0	9825.0	9826.0	9828.0	9834.0
15.	NOF %	99.9	99.9	99.6	99.6	99.4	99.7	99.2
16.	NPC (MW)	514.0	514.0	514.0	514.0	514.0	514.0	514.0

19.	ANOHR Equation	10^6 / AKW * [1237.97 + 120.49 * JUL - 109.59 * SEP] + 9,584 + 10^6 / AKW * [-0.0983 * BTU/LB]

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Planned Outage Schedules (Estimated)

Gulf Power Company

Period of: January 2007 - December 2007

Plant & Unit	Planned Outage Dates			Reason for Outage
Crist 6	11/10/07	-	12/09/07	General boiler maintenance and inspection.
Crist 7	04/16/07	-	04/27/07	General boiler maintenance and inspection
Smith 1	03/10/07	-	05/20/07	Major boiler overahaul and turbine inspection
Daniel 1	01/06/07	-	01/12/07	General boiler maintenance and inspection.
Daniel 1	09/29/07	-	11/09/07	Major boiler overhaul and inspection.
Daniel 2	01/15/07	-	01/21/07	General boiler maintenance and inspection.

Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: January 2007 - December 2007

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 2007 - December 2007, 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 1, 2006
Suspended:
Effective: January 1, 2007
Docket No.: 060001-EI
Order No.:

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 060001-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 Florida 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 30th day of August, 2006.

Notary Public, State of Florida at Large

Commission Number:

Commission Expires:

THERESA TUCKER
MY COMMISSION # DD 303630
EXPIRES: March 25, 2008
Bonded Thru Notary Public Underwriters