

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

GENERATING PERFORMANCE INCENTIVE FACTOR

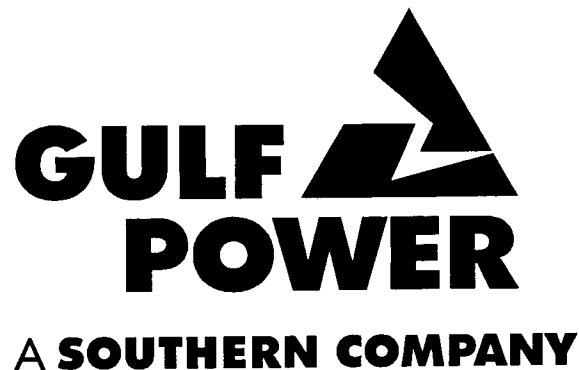
TARGETS FOR

JANUARY 2006 - DECEMBER 2006

Before

THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 050001-EI



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FPSC-COMMISSION CLERK

1 GULF POWER COMPANY
2 Before the Florida Public Service Commission
3 Direct Testimony of
4 L. S. Noack
5 Docket No. 050001-EI
6 Date of Filing September 16, 2005

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

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

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

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

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

10

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

13 A. The purpose of my testimony is to present GPIF targets for
14 Gulf Power Company for the period of January 1, 2006 through
15 December 31, 2006.

16

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

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

21

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

24 A. Yes, it was.

25

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

3

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

6 A. We propose that Crist Units 4, 5, 6, and 7, Smith Units
7 1 and 2, and Daniel Units 1 and 2, continue to be the
8 Company's GPIF units. The projected net generation
9 from these units, which represent all of Gulf's
10 qualifying base and intermediate load units for GPIF,
11 is approximately 82% of Gulf's projected net generation
12 for 2006.

13

14 Q. What are the target heat rates Gulf proposes to use in
15 the GPIF for these units for the performance period
16 January 1, 2006 through December 31, 2006?

17 A. I would like to refer you to Page 44 of Schedule 1 of
18 my Exhibit_(LSN-2) where these targets are listed.

19

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

21 A. They were determined according to the GPIF
22 Implementation Manual procedures for Gulf. For Daniel
23 Units 1 and 2, the Btu/lb independent variable that was
24 stipulated and approved in Commission Order PSC-99-
25 2512-FOF-EI and referenced in the 2005 GPIF Target

1 Filing, Docket No. 040001-EI, was added to the
2 regression.

3
4 Q. Describe how the targets were determined for Gulf's
5 proposed GPIF units.

6 A. Page 2 of Schedule 1 of Exhibit_(LSN-2) shows the
7 target average net operating heat rate equations for
8 the proposed GPIF units, and Pages 4 through 40 of
9 Schedule 1 contain the weekly historical data used for
10 the statistical development of these equations.

11 Pages 41 through 43 of Schedule 1 present the
12 calculations that provide the unit target heat rates
13 from the target equations. For Daniel Units 1 and 2,
14 the estimates of the monthly Btu/lb for 2006 used to
15 determine the heat rate targets for these units are
16 included on Page 43 of Schedule 1.

17
18 Q. Were the maximum and minimum attainable heat rates for
19 each proposed GPIF unit, indicated on Page 44 of
20 Schedule 1 of Exhibit_(LSN-2), calculated according to
21 the appropriate GPIF implementation manual procedures?

22 A. Yes.

23
24 Q. What are the proposed target, maximum, and minimum
25 equivalent availabilities for Gulf's units?

1 A. The target, maximum, and minimum equivalent
2 availabilities are listed on Page 4 of Schedule 2 of
3 Exhibit_(LSN-2).

4

5 Q. How were the target equivalent availabilities
6 determined?

7 A. The target equivalent availabilities were determined
8 according to the standard GPIF Implementation Manual
9 procedures for Gulf and are presented on Page 2 of
10 Schedule 2 of Exhibit_(LSN-2).

11

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

14 A. The maximum and minimum attainable equivalent
15 availabilities, which are presented along with their
16 respective target availabilities on Page 4 of Schedule
17 2 of Exhibit_(LSN-2), were determined per GPIF
18 Implementation Manual procedures for Gulf.

19

20 Q. What actions does Gulf Power take to minimize the
21 occurrence, duration, and magnitude of its unplanned
22 outages?

23 A. Gulf Power has been proactive in implementing
24 preventive maintenance programs that have improved the
25 overall effectiveness of scheduling and planning

1 processes as well as reducing the occurrence, duration,
2 and magnitude of unplanned events. Gulf Power uses
3 Plant Reliability Optimization (PRO), which was
4 developed in partnership with the Electric Power
5 Research Institute (EPRI). PRO is a maintenance
6 process that seeks to produce the appropriate balance
7 between corrective maintenance, preventive maintenance,
8 and predictive maintenance. PRO combines all
9 diagnostic, maintenance, financial, and process data
10 into an effective decision-making tool. The ultimate
11 goal is to perform maintenance at the least cost while
12 maximizing equipment reliability.

13
14 Q. What actions does Gulf Power take to complete its
15 planned maintenance outages on schedule and on budget?

16 A. In order to ensure planned outages are completed on
17 schedule and on budget, Gulf assigns an outage
18 coordinator for each planned outage. The outage
19 coordinator is responsible for monitoring the work
20 performed, the schedule, and the budget for the outage.

21
22 Q. What actions does Gulf Power take to optimize the
23 equivalent availability factors and heat rates for its
24 GPIF units?

25

1 A. The actions previously mentioned to minimize the
2 occurrence, duration, and magnitude of unplanned
3 outages as well as complete planned outages on schedule
4 and on budget also help to optimize equivalent
5 availability factors as well as heat rates for all of
6 Gulf Power's units. In addition to these actions,
7 periodic performance tests, heat rate reviews, and heat
8 rate awareness training classes are conducted to
9 optimize unit performance.

10

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

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

16

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

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

19 1. Crist Units 4, 5, 6 and 7, Smith Units 1 and 2, and
20 Daniel Units 1 and 2 for inclusion under the GPIF for
21 the period of January 1, 2006 through December 31,
22 2006.

23

24 2. The target, maximum attainable, and minimum
25 attainable average net operating heat rates, as

1 proposed by the Company and as shown on Page 44 of
2 Schedule 1 and also on Page 5 of Schedule 3 of my
3 Exhibit_(LSN-2).
4

5 3. The target, maximum attainable, and minimum
6 attainable equivalent availabilities, as proposed
7 by the Company and as shown on Page 4 of Schedule
8 2 and also on Page 5 of Schedule 3 of my
9 Exhibit_(LSN-2).
10

11 4. The weekly average net operating heat rate least
12 squares regression equations, shown on Page 2 of
13 Schedule 1 and also on Pages 20 through 35 of
14 Schedule 3 of my Exhibit_(LSN-2), for use in
15 adjusting the annual actual unit heat rates to
16 target conditions.
17

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

19 A. Yes.
20
21
22
23
24
25

Florida Public Service Commission
Docket No. 050001-EI
Gulf Power Company
Witness: L. S. Noack
Exhibit No. ____ (LSN-2)

EXHIBIT TO THE TESTIMONY OF

L. S. NOACK

IN FPSC DOCKET 050001-EI

I. DETERMINATION OF HEAT RATE TARGETS

Target Heat Rate Equations

Crist 4 ANOHR = $10^6 / AKW * [498.36 - 12.78 * JAN - 8.72 * FEB]$
- 4347 + 0.10869 * LSRF / AKW

Crist 5 ANOHR = $10^6 / AKW * [563.97 - 15.45 * JAN - 14.34 * AUG - 16.27 * NOV]$
- 5954 + 0.11802 * LSRF / AKW

Crist 6 ANOHR = $10^6 / AKW * [313.41]$
+ 9,123

Crist 7 ANOHR = $10^6 / AKW * [512.95]$
+ 9,084

Smith 1 ANOHR = $10^6 / AKW * [117.29 - 12.42 * AUG - 14.59 * OCT]$
+ 9,462

Smith 2 ANOHR = $10^6 / AKW * [105.64 - 75.81 * MAR + 46.86 * APR]$
+ 9,669

Daniel 1 ANOHR = $10^6 / AKW * [2810.38 + 68.52 * APR - 58.18 * MAY - 90.02 * AUG]$
+ 2,265 + $10^6 / AKW * [-0.1179 * BTU/LB] + 0.00953 * LSRF / AKW$

Daniel 2 ANOHR = $10^6 / AKW * [2174.94 + 62.25 * JUN + 85.53 * JUL - 82.98 * AUG + 86.31 * OCT]$
+ 8,739 + $10^6 / AKW * [-0.1460 * BTU/LB]$

Where:

- ANOHR = Average Net Operating Heat Rate, BTU/KWH
- AKW = Average Kilowatt Load, KW
- LSRF = Load Square Range Factor, KW²
- 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
11757	168	49.2	2548	0	0	0	0	0	0	1	0	0	0	0	0	2002
11715	168	50.7	2663	0	0	0	0	0	0	1	0	0	0	0	0	2002
11769	168	53.5	3054	0	0	0	0	0	0	1	0	0	0	0	0	2002
11825	168	48.2	2443	0	0	0	0	0	0	1	0	0	0	0	0	2002
11303	168	55.4	3269	0	0	0	0	0	0	0	1	0	0	0	0	2002
11154	168	48.5	2462	0	0	0	0	0	0	0	1	0	0	0	0	2002
11341	168	51.6	2817	0	0	0	0	0	0	0	1	0	0	0	0	2002
11361	168	54.5	3159	0	0	0	0	0	0	0	1	0	0	0	0	2002
11734	168	48.1	2441	0	0	0	0	0	0	0	1	0	0	0	0	2002
11326	168	53.8	3104	0	0	0	0	0	0	0	0	1	0	0	0	2002
11052	168	62.1	4095	0	0	0	0	0	0	0	0	1	0	0	0	2002
11159	160	64.3	4379	0	0	0	0	0	0	0	0	1	0	0	0	2002
11082	168	57.2	3439	0	0	0	0	0	0	0	0	1	0	0	0	2002
11045	168	62.4	4098	0	0	0	0	0	0	0	0	0	1	0	0	2002
11075	168	57.3	3436	0	0	0	0	0	0	0	0	0	1	0	0	2002
11218	168	49.0	2451	0	0	0	0	0	0	0	0	0	1	0	0	2002
10914	169	58.2	3554	0	0	0	0	0	0	0	0	0	1	0	0	2002
10974	168	56.5	3368	0	0	0	0	0	0	0	0	0	1	0	0	2002
10699	168	52.2	2854	0	0	0	0	0	0	0	0	0	0	1	0	2002
10330	168	47.1	2243	0	0	0	0	0	0	0	0	0	0	1	0	2002
10464	119	48.6	2400	0	0	0	0	0	0	0	0	0	0	1	0	2002
12817	44	39.2	1657	0	0	0	0	0	0	0	0	0	0	0	1	2002
11789	168	52.5	2890	0	0	0	0	0	0	0	0	0	0	0	0	2002
11835	160	45.6	2132	0	0	0	0	0	0	0	0	0	0	0	0	2002
11803	24	46.2	2133	0	0	0	0	0	0	0	0	0	0	0	0	2002
11010	168	58.0	3543	1	0	0	0	0	0	0	0	0	0	0	0	2003
10839	168	59.0	3685	1	0	0	0	0	0	0	0	0	0	0	0	2003
10855	168	68.0	4781	1	0	0	0	0	0	0	0	0	0	0	0	2003
10777	168	64.1	4286	1	0	0	0	0	0	0	0	0	0	0	0	2003
10800	168	62.0	4014	0	1	0	0	0	0	0	0	0	0	0	0	2003
10991	168	57.1	3420	0	1	0	0	0	0	0	0	0	0	0	0	2003
11023	168	55.6	3222	0	1	0	0	0	0	0	0	0	0	0	0	2003
10820	168	62.4	4043	0	1	0	0	0	0	0	0	0	0	0	0	2003
10772	168	70.2	5041	0	0	1	0	0	0	0	0	0	0	0	0	2003
10807	168	69.3	4940	0	0	1	0	0	0	0	0	0	0	0	0	2003
10905	168	68.7	4869	0	0	1	0	0	0	0	0	0	0	0	0	2003
10812	168	71.3	5206	0	0	1	0	0	0	0	0	0	0	0	0	2003
10798	168	72.4	5315	0	0	1	0	0	0	0	0	0	0	0	0	2003
10752	167	70.1	5029	0	0	0	1	0	0	0	0	0	0	0	0	2003
10689	168	71.2	5187	0	0	0	1	0	0	0	0	0	0	0	0	2003
10696	168	69.3	4942	0	0	0	1	0	0	0	0	0	0	0	0	2003
10730	168	69.6	4996	0	0	0	1	0	0	0	0	0	0	0	0	2003
10412	168	68.6	4871	0	0	0	0	1	0	0	0	0	0	0	0	2003
10495	168	63.4	4214	0	0	0	0	1	0	0	0	0	0	0	0	2003
10594	168	63.4	4196	0	0	0	0	1	0	0	0	0	0	0	0	2003
10497	168	60.8	3893	0	0	0	0	1	0	0	0	0	0	0	0	2003
10450	168	62.8	4133	0	0	0	0	1	0	0	0	0	0	0	0	2003

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
10428	168	63.0	4133	0	0	0	0	0	1	0	0	0	0	0	0	2003
10466	168	62.9	4145	0	0	0	0	0	1	0	0	0	0	0	0	2003
10546	168	61.6	4037	0	0	0	0	0	1	0	0	0	0	0	0	2003
10810	144	65.7	4496	0	0	0	0	0	1	0	0	0	0	0	0	2003
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

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
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
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

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
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
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

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 MW².

JAN to NOV The number 1 indicates the month of the observation. All 0's indicate December.

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

YEAR The year of the observation.

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

Data Base for CRIST 5 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
11611	168	51.0	2720	0	0	0	0	0	0	1	0	0	0	0	0	2002
11506	168	54.2	3062	0	0	0	0	0	0	1	0	0	0	0	0	2002
11601	168	56.5	3396	0	0	0	0	0	0	1	0	0	0	0	0	2002
11651	168	51.0	2724	0	0	0	0	0	0	1	0	0	0	0	0	2002
11144	168	58.2	3611	0	0	0	0	0	0	0	1	0	0	0	0	2002
11037	168	52.0	2825	0	0	0	0	0	0	0	1	0	0	0	0	2002
11189	168	55.5	3255	0	0	0	0	0	0	0	1	0	0	0	0	2002
11142	168	57.1	3473	0	0	0	0	0	0	0	1	0	0	0	0	2002
11301	168	53.3	3028	0	0	0	0	0	0	0	1	0	0	0	0	2002
11112	147	58.1	3608	0	0	0	0	0	0	0	0	1	0	0	0	2002
11191	168	57.8	3516	0	0	0	0	0	0	0	0	1	0	0	0	2002
11074	168	66.4	4609	0	0	0	0	0	0	0	0	1	0	0	0	2002
11135	168	57.3	3474	0	0	0	0	0	0	0	0	1	0	0	0	2002
11058	168	63.4	4221	0	0	0	0	0	0	0	0	0	1	0	0	2002
11120	168	58.0	3513	0	0	0	0	0	0	0	0	0	1	0	0	2002
11341	168	48.0	2324	0	0	0	0	0	0	0	0	0	1	0	0	2002
11106	169	58.9	3649	0	0	0	0	0	0	0	0	0	1	0	0	2002
11518	168	52.6	2887	0	0	0	0	0	0	0	0	0	1	0	0	2002
10867	168	52.4	2880	0	0	0	0	0	0	0	0	0	0	1	0	2002
10573	168	47.4	2273	0	0	0	0	0	0	0	0	0	0	1	0	2002
10469	120	49.4	2458	0	0	0	0	0	0	0	0	0	0	1	0	2002
14672	28	41.5	1829	0	0	0	0	0	0	0	0	0	0	0	1	2002
12320	168	47.0	2252	0	0	0	0	0	0	0	0	0	0	0	0	2002
12309	168	45.1	2092	0	0	0	0	0	0	0	0	0	0	0	0	2002
12325	24	42.6	1816	0	0	0	0	0	0	0	0	0	0	0	0	2002
11110	168	54.4	3097	1	0	0	0	0	0	0	0	0	0	0	0	2003
11039	168	56.9	3457	1	0	0	0	0	0	0	0	0	0	0	0	2003
10852	168	67.1	4663	1	0	0	0	0	0	0	0	0	0	0	0	2003
10906	168	63.0	4167	1	0	0	0	0	0	0	0	0	0	0	0	2003
10985	168	62.4	4070	0	1	0	0	0	0	0	0	0	0	0	0	2003
11243	168	55.8	3282	0	1	0	0	0	0	0	0	0	0	0	0	2003
11209	168	54.3	3055	0	1	0	0	0	0	0	0	0	0	0	0	2003
11148	168	58.2	3530	0	1	0	0	0	0	0	0	0	0	0	0	2003
10947	168	69.8	4983	0	0	1	0	0	0	0	0	0	0	0	0	2003
10858	168	68.2	4785	0	0	1	0	0	0	0	0	0	0	0	0	2003
10926	168	65.9	4485	0	0	1	0	0	0	0	0	0	0	0	0	2003
10799	168	69.5	4974	0	0	1	0	0	0	0	0	0	0	0	0	2003
10800	168	71.8	5247	0	0	1	0	0	0	0	0	0	0	0	0	2003
10877	167	67.6	4706	0	0	0	1	0	0	0	0	0	0	0	0	2003
10850	168	68.7	4832	0	0	0	1	0	0	0	0	0	0	0	0	2003
10877	168	69.1	4921	0	0	0	1	0	0	0	0	0	0	0	0	2003
10956	168	67.7	4740	0	0	0	1	0	0	0	0	0	0	0	0	2003
10350	168	67.4	4713	0	0	0	0	1	0	0	0	0	0	0	0	2003
10446	168	62.8	4129	0	0	0	0	1	0	0	0	0	0	0	0	2003
10372	168	61.3	3978	0	0	0	0	1	0	0	0	0	0	0	0	2003
11754	97	56.9	3453	0	0	0	0	1	0	0	0	0	0	0	1	2003
10754	138	55.8	3322	0	0	0	0	1	0	0	0	0	0	0	1	2003

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
10657	168	60.3	3825	0	0	0	0	0	1	0	0	0	0	0	0	2003
10472	168	62.6	4104	0	0	0	0	0	1	0	0	0	0	0	0	2003
10567	168	60.7	3939	0	0	0	0	0	1	0	0	0	0	0	0	2003
10401	144	65.0	4431	0	0	0	0	0	1	0	0	0	0	0	0	2003
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

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
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
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

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
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
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

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 MW².

JAN to NOV The number 1 indicates the month of the observation. All 0's indicate December.

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

YEAR The year of the observation.

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

Data Base for CRIST 6 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10981	168	183.7	39026	0	0	0	0	0	0	1	0	0	0	0	0	2002
11059	168	193.0	42028	0	0	0	0	0	0	1	0	0	0	0	0	2002
11058	141	196.5	44137	0	0	0	0	0	0	1	0	0	0	0	1	2002
10693	115	211.7	50374	0	0	0	0	0	0	1	0	0	0	0	1	2002
11345	93	178.0	38388	0	0	0	0	0	0	0	1	0	0	0	2	2002
11081	167	180.3	36714	0	0	0	0	0	0	0	1	0	0	0	0	2002
10790	167	198.9	45056	0	0	0	0	0	0	0	1	0	0	0	0	2002
10589	168	214.5	52158	0	0	0	0	0	0	0	1	0	0	0	0	2002
10845	167	180.8	37617	0	0	0	0	0	0	0	1	0	0	0	0	2002
10828	168	209.9	50386	0	0	0	0	0	0	0	0	1	0	0	0	2002
10871	168	206.5	48946	0	0	0	0	0	0	0	0	1	0	0	0	2002
10550	168	243.5	63877	0	0	0	0	0	0	0	0	1	0	0	0	2002
10553	168	209.0	49696	0	0	0	0	0	0	0	0	1	0	0	0	2002
10749	168	234.5	60594	0	0	0	0	0	0	0	0	0	1	0	0	2002
10554	168	240.8	62956	0	0	0	0	0	0	0	0	0	1	0	0	2002
10763	168	171.4	32738	0	0	0	0	0	0	0	0	0	1	0	0	2002
10624	169	242.2	63916	0	0	0	0	0	0	0	0	0	1	0	0	2002
11021	168	218.5	52972	0	0	0	0	0	0	0	0	0	1	0	0	2002
11060	168	194.3	42200	0	0	0	0	0	0	0	0	0	0	1	0	2002
11172	108	165.2	30616	0	0	0	0	0	0	0	0	0	0	1	1	2002
11063	168	167.1	30892	0	0	0	0	0	0	0	0	0	0	1	0	2002
11230	168	145.6	23047	0	0	0	0	0	0	0	0	0	0	1	0	2002
10305	140	215.4	52152	0	0	0	0	0	0	0	0	0	0	0	1	2002
10781	168	201.7	45536	0	0	0	0	0	0	0	0	0	0	0	0	2002
11064	168	162.5	29734	0	0	0	0	0	0	0	0	0	0	0	0	2002
10698	168	154.9	26662	0	0	0	0	0	0	0	0	0	0	0	0	2002
11131	24	128.6	16689	0	0	0	0	0	0	0	0	0	0	0	0	2002
10566	121	209.0	50146	1	0	0	0	0	0	0	0	0	0	0	1	2003
10210	168	281.3	15091	1	0	0	0	0	0	0	0	0	0	0	0	2003
10192	168	267.7	9406	1	0	0	0	0	0	0	0	0	0	0	0	2003
10177	168	291.3	20169	1	0	0	0	0	0	0	0	0	0	0	0	2003
10259	168	284.6	16944	0	1	0	0	0	0	0	0	0	0	0	0	2003
10349	168	264.4	8137	0	1	0	0	0	0	0	0	0	0	0	0	2003
10311	168	265.4	8161	0	1	0	0	0	0	0	0	0	0	0	0	2003
10294	168	285.9	16524	0	1	0	0	0	0	0	0	0	0	0	0	2003
10326	168	274.3	10732	0	0	1	0	0	0	0	0	0	0	0	0	2003
10282	168	267.3	8836	0	0	1	0	0	0	0	0	0	0	0	0	2003
10497	160	270.3	10431	0	0	1	0	0	0	0	0	0	0	0	0	2003
10639	131	257.9	4439	0	0	1	0	0	0	0	0	0	0	0	1	2003
10242	167	264.7	6412	0	0	1	0	0	0	0	0	0	0	0	0	2003
9379	75	196.4	39895	0	0	0	1	0	0	0	0	0	0	0	0	2003
11769	81	173.7	37047	0	0	0	1	0	0	0	0	0	0	0	1	2003
9075	168	252.3	2118	0	0	0	0	1	0	0	0	0	0	0	0	2003
9757	168	235.0	60567	0	0	0	0	1	0	0	0	0	0	0	0	2003
9993	168	234.8	60513	0	0	0	0	1	0	0	0	0	0	0	0	2003
11358	168	223.6	56523	0	0	0	0	1	0	0	0	0	0	0	0	2003
11785	168	230.3	58755	0	0	0	0	1	0	0	0	0	0	0	0	2003

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
10407	168	231.3	59099	0	0	0	0	0	1	0	0	0	0	0	0	2003
10178	168	243.0	64410	0	0	0	0	0	1	0	0	0	0	0	0	2003
10300	168	227.9	58544	0	0	0	0	0	1	0	0	0	0	0	0	2003
10333	144	249.2	1605	0	0	0	0	0	1	0	0	0	0	0	0	2003
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
44420	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

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
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
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

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
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
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

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
10577	168	367.6	18013	0	0	0	0	0	0	1	0	0	0	0	0	2002
10465	168	388.2	32189	0	0	0	0	0	0	1	0	0	0	0	0	2002
10482	164	411.8	48265	0	0	0	0	0	0	1	0	0	0	0	0	2002
10485	168	379.4	25374	0	0	0	0	0	0	1	0	0	0	0	0	2002
10389	168	396.8	37802	0	0	0	0	0	0	0	1	0	0	0	0	2002
10451	168	393.9	34795	0	0	0	0	0	0	0	1	0	0	0	0	2002
10384	168	402.2	40811	0	0	0	0	0	0	0	1	0	0	0	0	2002
10481	168	399.1	38218	0	0	0	0	0	0	0	1	0	0	0	0	2002
10446	168	381.4	26812	0	0	0	0	0	0	0	1	0	0	0	0	2002
10416	168	397.4	37232	0	0	0	0	0	0	0	0	1	0	0	0	2002
10343	168	411.2	45910	0	0	0	0	0	0	0	0	1	0	0	0	2002
10405	123	425.2	57890	0	0	0	0	0	0	0	0	1	0	0	1	2002
10507	168	414.3	48171	0	0	0	0	0	0	0	0	1	0	0	0	2002
10094	168	449.2	7663	0	0	0	0	0	0	0	0	0	1	0	0	2002
10088	168	440.3	1090	0	0	0	0	0	0	0	0	0	1	0	0	2002
10040	168	388.4	29897	0	0	0	0	0	0	0	0	0	1	0	0	2002
9955	115	430.0	60394	0	0	0	0	0	0	0	0	0	1	0	0	2002
11162	40	313.3	44711	0	0	0	0	0	0	0	0	0	0	1	1	2002
10579	168	364.5	11672	0	0	0	0	0	0	0	0	0	0	1	0	2002
10476	168	404.8	41263	0	0	0	0	0	0	0	0	0	0	1	0	2002
10403	168	375.9	19933	0	0	0	0	0	0	0	0	0	0	1	0	2002
10094	168	454.3	12461	0	0	0	0	0	0	0	0	0	0	0	0	2002
10143	168	421.0	53094	0	0	0	0	0	0	0	0	0	0	0	0	2002
10354	168	378.2	22136	0	0	0	0	0	0	0	0	0	0	0	0	2002
10334	168	383.7	26281	0	0	0	0	0	0	0	0	0	0	0	0	2002
10373	24	360.2	8220	0	0	0	0	0	0	0	0	0	0	0	0	2002
10195	168	415.9	49969	1	0	0	0	0	0	0	0	0	0	0	0	2003
10092	168	439.9	2003	1	0	0	0	0	0	0	0	0	0	0	0	2003
10027	168	448.9	9080	1	0	0	0	0	0	0	0	0	0	0	0	2003
10125	168	393.4	34461	1	0	0	0	0	0	0	0	0	0	0	0	2003
10260	168	405.0	41190	0	1	0	0	0	0	0	0	0	0	0	0	2003
10365	168	423.0	53736	0	1	0	0	0	0	0	0	0	0	0	0	2003
9942	168	413.5	47996	0	1	0	0	0	0	0	0	0	0	0	0	2003
10315	168	433.0	62817	0	1	0	0	0	0	0	0	0	0	0	0	2003
10368	72	456.4	16069	0	0	1	0	0	0	0	0	0	0	0	0	2003
11640	64	242.4	60292	0	0	1	0	0	0	0	0	0	0	0	1	2003
10358	167	405.8	41420	0	0	0	1	0	0	0	0	0	0	0	0	2003
10019	168	422.2	54676	0	0	0	1	0	0	0	0	0	0	0	0	2003
10334	138	408.0	44851	0	0	0	1	0	0	0	0	0	0	0	1	2003
10201	168	424.4	55148	0	0	0	1	0	0	0	0	0	0	0	0	2003
10332	168	412.5	50190	0	0	0	0	1	0	0	0	0	0	0	0	2003
10332	168	403.2	43092	0	0	0	0	1	0	0	0	0	0	0	0	2003
10369	168	411.6	47518	0	0	0	0	1	0	0	0	0	0	0	0	2003
10405	168	386.1	32339	0	0	0	0	1	0	0	0	0	0	0	0	2003
10313	168	406.1	43854	0	0	0	0	1	0	0	0	0	0	0	0	2003
10492	168	408.9	45376	0	0	0	0	0	1	0	0	0	0	0	0	2003
10437	168	420.2	53343	0	0	0	0	0	1	0	0	0	0	0	0	2003

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
10638	168	385.7	32935	0	0	0	0	0	1	0	0	0	0	0	0	2003
10498	144	426.2	58068	0	0	0	0	0	1	0	0	0	0	0	0	2003
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

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
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
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

Data Base for CRIST 7 Target Heat Rate Equation

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

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

AMW Average load on the unit, in MW.

LSRF Load square range factor, in MW².

JAN to NOV The number 1 indicates the month of the observation. All 0's indicate December.

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

YEAR The year of the observation.

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

Data Base for SMITH 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10485	168	136.5	19362	0	0	0	0	0	0	1	0	0	0	0	0	2002
10378	168	140.6	20422	0	0	0	0	0	0	1	0	0	0	0	0	2002
10183	168	145.7	21765	0	0	0	0	0	0	1	0	0	0	0	0	2002
10215	168	138.2	19782	0	0	0	0	0	0	1	0	0	0	0	0	2002
10321	168	138.0	19683	0	0	0	0	0	0	0	1	0	0	0	0	2002
10272	168	137.1	19720	0	0	0	0	0	0	0	1	0	0	0	0	2002
10225	168	143.5	21171	0	0	0	0	0	0	0	1	0	0	0	0	2002
10146	168	143.8	21239	0	0	0	0	0	0	0	1	0	0	0	0	2002
10073	168	136.4	19178	0	0	0	0	0	0	0	1	0	0	0	0	2002
10251	168	145.6	21886	0	0	0	0	0	0	0	0	1	0	0	0	2002
10249	168	146.6	22022	0	0	0	0	0	0	0	0	1	0	0	0	2002
10068	168	150.4	22943	0	0	0	0	0	0	0	0	1	0	0	0	2002
10210	168	141.2	20822	0	0	0	0	0	0	0	0	1	0	0	0	2002
10151	168	154.3	24070	0	0	0	0	0	0	0	0	0	1	0	0	2002
10277	168	154.3	23998	0	0	0	0	0	0	0	0	0	1	0	0	2002
10281	151	136.6	19816	0	0	0	0	0	0	0	0	0	1	0	0	2002
10281	116	146.6	22107	0	0	0	0	0	0	0	0	0	1	0	0	2002
11783	14	79.2	7743	0	0	0	0	0	0	0	0	0	1	0	1	2002
10473	168	127.7	17780	0	0	0	0	0	0	0	0	0	0	1	0	2002
10496	168	124.1	15935	0	0	0	0	0	0	0	0	0	0	1	0	2002
10452	168	138.5	19777	0	0	0	0	0	0	0	0	0	0	1	0	2002
10205	168	136.7	19277	0	0	0	0	0	0	0	0	0	0	1	0	2002
10181	168	148.6	22429	0	0	0	0	0	0	0	0	0	0	0	0	2002
10236	168	141.1	20565	0	0	0	0	0	0	0	0	0	0	0	0	2002
10124	168	134.6	19144	0	0	0	0	0	0	0	0	0	0	0	0	2002
10717	168	119.9	15616	0	0	0	0	0	0	0	0	0	0	0	0	2002
10640	24	113.8	13946	0	0	0	0	0	0	0	0	0	0	0	0	2002
10717	168	124.4	17108	1	0	0	0	0	0	0	0	0	0	0	0	2003
10193	168	133.6	18777	1	0	0	0	0	0	0	0	0	0	0	0	2003
10121	168	143.1	21448	1	0	0	0	0	0	0	0	0	0	0	0	2003
10044	168	135.6	19412	1	0	0	0	0	0	0	0	0	0	0	0	2003
10101	168	121.3	15992	0	1	0	0	0	0	0	0	0	0	0	0	2003
10271	168	122.2	16108	0	1	0	0	0	0	0	0	0	0	0	0	2003
10044	168	122.1	16169	0	1	0	0	0	0	0	0	0	0	0	0	2003
10178	128	129.3	18120	0	1	0	0	0	0	0	0	0	0	0	1	2003
10361	168	152.1	23496	0	0	1	0	0	0	0	0	0	0	0	0	2003
10440	168	141.5	20982	0	0	1	0	0	0	0	0	0	0	0	0	2003
10573	168	138.4	20415	0	0	1	0	0	0	0	0	0	0	0	0	2003
10843	168	134.7	19386	0	0	1	0	0	0	0	0	0	0	0	0	2003
10414	168	141.9	21395	0	0	1	0	0	0	0	0	0	0	0	0	2003
10511	167	145.7	21928	0	0	0	1	0	0	0	0	0	0	0	0	2003
10807	168	136.5	20039	0	0	0	1	0	0	0	0	0	0	0	0	2003
10360	71	133.9	19622	0	0	0	1	0	0	0	0	0	0	0	0	2003
10860	85	115.8	15111	0	0	0	0	1	0	0	0	0	0	0	1	2003
10512	168	122.1	16885	0	0	0	0	1	0	0	0	0	0	0	0	2003
10391	168	124.5	17250	0	0	0	0	1	0	0	0	0	0	0	0	2003
10475	168	129.3	18281	0	0	0	0	0	1	0	0	0	0	0	0	2003

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
10422	168	131.0	18761	0	0	0	0	0	1	0	0	0	0	0	0	2003
10588	168	119.8	16640	0	0	0	0	0	1	0	0	0	0	0	0	2003
10406	144	137.0	20224	0	0	0	0	0	1	0	0	0	0	0	0	2003
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

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
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
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

Data Base for SMITH 1 Target Heat Rate Equation

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

Data Base for SMITH 1 Target Heat Rate Equation

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

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

AMW Average load on the unit, in MW.

LSRF Load square range factor, in MW².

JAN to NOV The number 1 indicates the month of the observation. All 0's indicate December.

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

YEAR The year of the observation.

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

Data Base for SMITH 2 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10766	77	137.6	19856	0	0	0	0	0	0	1	0	0	0	0	2	2002
10756	110	133.1	18124	0	0	0	0	0	0	1	0	0	0	0	1	2002
10784	128	132.0	17722	0	0	0	0	0	0	1	0	0	0	0	1	2002
10755	168	121.8	14851	0	0	0	0	0	0	1	0	0	0	0	0	2002
10744	168	119.6	14327	0	0	0	0	0	0	0	1	0	0	0	0	2002
10815	168	122.6	15027	0	0	0	0	0	0	0	1	0	0	0	0	2002
10768	168	122.0	14924	0	0	0	0	0	0	0	1	0	0	0	0	2002
10648	168	123.8	15331	0	0	0	0	0	0	0	1	0	0	0	0	2002
10478	164	125.5	16006	0	0	0	0	0	0	0	1	0	0	0	0	2002
10794	23	111.0	13129	0	0	0	0	0	0	0	0	1	0	0	1	2002
10638	138	122.9	15365	0	0	0	0	0	0	0	0	1	0	0	1	2002
10623	168	124.3	15473	0	0	0	0	0	0	0	0	1	0	0	0	2002
10439	168	124.7	15544	0	0	0	0	0	0	0	0	0	1	0	0	2002
10491	168	123.5	15269	0	0	0	0	0	0	0	0	0	1	0	0	2002
10612	132	121.7	15025	0	0	0	0	0	0	0	0	0	1	0	1	2002
10714	136	122.1	15067	0	0	0	0	0	0	0	0	0	1	0	1	2002
10695	168	119.1	14184	0	0	0	0	0	0	0	0	0	1	0	0	2002
10662	168	120.3	14475	0	0	0	0	0	0	0	0	0	0	1	0	2002
10625	168	120.1	14436	0	0	0	0	0	0	0	0	0	0	1	0	2002
10588	168	120.7	14610	0	0	0	0	0	0	0	0	0	0	1	0	2002
10569	168	121.5	14787	0	0	0	0	0	0	0	0	0	0	1	0	2002
10494	168	123.5	15254	0	0	0	0	0	0	0	0	0	0	0	0	2002
10485	168	122.9	15114	0	0	0	0	0	0	0	0	0	0	0	0	2002
10600	168	119.8	14506	0	0	0	0	0	0	0	0	0	0	0	0	2002
10704	168	121.6	14796	0	0	0	0	0	0	0	0	0	0	0	0	2002
10665	24	122.2	14936	0	0	0	0	0	0	0	0	0	0	0	0	2002
14731	2	31.5	1175	1	0	0	0	0	0	0	0	0	0	0	0	2003
11076	68	91.6	9413	0	0	0	1	0	0	0	0	0	0	0	1	2003
10172	168	128.5	19067	0	0	0	1	0	0	0	0	0	0	0	0	2003
10124	168	152.7	25535	0	0	0	1	0	0	0	0	0	0	0	0	2003
10240	114	150.4	24717	0	0	0	0	1	0	0	0	0	0	0	1	2003
10244	168	144.9	23479	0	0	0	0	1	0	0	0	0	0	0	0	2003
10271	168	142.7	22894	0	0	0	0	1	0	0	0	0	0	0	0	2003
10330	168	132.6	20471	0	0	0	0	1	0	0	0	0	0	0	0	2003
10158	168	139.6	22195	0	0	0	0	1	0	0	0	0	0	0	0	2003
10206	161	143.9	22955	0	0	0	0	0	1	0	0	0	0	0	0	2003
10255	168	147.1	24013	0	0	0	0	0	1	0	0	0	0	0	0	2003
10319	168	133.8	21329	0	0	0	0	0	1	0	0	0	0	0	0	2003
10123	144	152.9	25583	0	0	0	0	0	1	0	0	0	0	0	0	2003
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

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
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
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

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
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
10340	135	177.0	32486	0	0	0	0	0	1	0	0	0	0	0	0	2005

Data Base for SMITH 2 Target Heat Rate Equation

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

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

AMW Average load on the unit, in MW.

LSRF Load square range factor, in MW².

JAN to NOV The number 1 indicates the month of the observation. All 0's indicate December.

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

YEAR The year of the observation.

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

Data Base for DANIEL 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR	BTU/LB
10243	168	350.0	12325	0	0	0	0	0	0	1	0	0	0	0	0	2002	11663
10091	168	384.0	36777	0	0	0	0	0	0	1	0	0	0	0	0	2002	11613
9973	168	403.4	47136	0	0	0	0	0	0	1	0	0	0	0	0	2002	11618
10164	137	350.2	15054	0	0	0	0	0	0	1	0	0	0	0	1	2002	11484
10070	168	362.8	22966	0	0	0	0	0	0	0	1	0	0	0	0	2002	11325
9826	168	390.4	35868	0	0	0	0	0	0	0	1	0	0	0	0	2002	11119
10195	168	412.5	52312	0	0	0	0	0	0	0	1	0	0	0	0	2002	11394
10228	168	404.6	45644	0	0	0	0	0	0	0	1	0	0	0	0	2002	11208
10233	168	384.8	35812	0	0	0	0	0	0	0	1	0	0	0	0	2002	11360
10020	168	412.0	53376	0	0	0	0	0	0	0	0	1	0	0	0	2002	11369
9983	168	450.6	13979	0	0	0	0	0	0	0	0	1	0	0	0	2002	11672
9913	168	482.5	37714	0	0	0	0	0	0	0	0	1	0	0	0	2002	11476
10381	168	416.3	51307	0	0	0	0	0	0	0	0	1	0	0	0	2002	11034
10101	168	468.5	26490	0	0	0	0	0	0	0	0	0	1	0	0	2002	11660
9934	166	458.5	22951	0	0	0	0	0	0	0	0	0	1	0	0	2002	11759
10047	150	402.2	46877	0	0	0	0	0	0	0	0	0	1	0	0	2002	11409
9821	169	480.0	36406	0	0	0	0	0	0	0	0	0	1	0	0	2002	11564
10210	168	410.2	47483	0	0	0	0	0	0	0	0	0	1	0	0	2002	11303
9860	168	421.7	59169	0	0	0	0	0	0	0	0	0	0	1	0	2002	11511
9907	168	402.7	45328	0	0	0	0	0	0	0	0	0	0	1	0	2002	11020
9760	168	447.4	11327	0	0	0	0	0	0	0	0	0	0	1	0	2002	11589
9934	168	389.1	33713	0	0	0	0	0	0	0	0	0	0	1	0	2002	11826
9901	168	477.1	33951	0	0	0	0	0	0	0	0	0	0	0	0	2002	11587
9868	168	438.1	4372	0	0	0	0	0	0	0	0	0	0	0	0	2002	11743
10081	168	393.0	37818	0	0	0	0	0	0	0	0	0	0	0	0	2002	11469
10004	168	400.5	44691	0	0	0	0	0	0	0	0	0	0	0	0	2002	11662
10352	24	393.1	35916	0	0	0	0	0	0	0	0	0	0	0	0	2002	11849
* 8608	99	401.3	48311	1	0	0	0	0	0	0	0	0	0	0	0	2003	11614
10713	112	414.8	61040	0	0	1	0	0	0	0	0	0	0	0	2	2003	11700
9765	167	473.6	33730	0	0	0	1	0	0	0	0	0	0	0	0	2003	11810
9908	168	465.4	29493	0	0	0	1	0	0	0	0	0	0	0	0	2003	11470
9690	168	454.6	21396	0	0	0	1	0	0	0	0	0	0	0	0	2003	11531
9698	168	443.3	12659	0	0	0	1	0	0	0	0	0	0	0	0	2003	11737
9661	124	437.6	10927	0	0	0	0	1	0	0	0	0	0	0	1	2003	11720
9528	168	428.6	2918	0	0	0	0	1	0	0	0	0	0	0	0	2003	11695
9556	168	410.6	57330	0	0	0	0	1	0	0	0	0	0	0	0	2003	11393
9742	168	395.2	48242	0	0	0	0	1	0	0	0	0	0	0	0	2003	11574
9690	168	400.9	45094	0	0	0	0	1	0	0	0	0	0	0	0	2003	11444
9998	168	425.8	558	0	0	0	0	0	1	0	0	0	0	0	0	2003	11481
9938	167	443.1	13389	0	0	0	0	0	1	0	0	0	0	0	0	2003	11701
9768	168	408.7	56475	0	0	0	0	0	1	0	0	0	0	0	0	2003	11834
9969	101	454.8	22500	0	0	0	0	0	1	0	0	0	0	0	1	2003	11802
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

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
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
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

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
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
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

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
10332	168	356.4	19478	0	0	0	0	0	0	1	0	0	0	0	0	2002	11660
10182	119	379.7	31147	0	0	0	0	0	0	1	0	0	0	0	0	2002	11584
10222	129	391.9	43558	0	0	0	0	0	0	1	0	0	0	0	1	2002	11601
9962	168	384.7	38646	0	0	0	0	0	0	1	0	0	0	0	0	2002	11489
10265	168	373.5	30987	0	0	0	0	0	0	0	1	0	0	0	0	2002	11319
10247	168	389.9	38057	0	0	0	0	0	0	0	1	0	0	0	0	2002	11118
10123	168	413.2	53650	0	0	0	0	0	0	0	1	0	0	0	0	2002	11391
10069	168	412.7	53111	0	0	0	0	0	0	0	1	0	0	0	0	2002	11208
9552	168	382.3	35781	0	0	0	0	0	0	0	1	0	0	0	0	2002	11341
10070	168	403.6	46885	0	0	0	0	0	0	0	0	1	0	0	0	2002	11365
10289	168	457.4	20667	0	0	0	0	0	0	0	0	1	0	0	0	2002	11672
10126	168	481.2	38302	0	0	0	0	0	0	0	0	1	0	0	0	2002	11483
10640	168	412.7	51073	0	0	0	0	0	0	0	0	1	0	0	0	2002	11034
10434	145	464.3	25892	0	0	0	0	0	0	0	0	0	1	0	0	2002	11616
• 7393	36	347.5	6440	0	0	0	0	0	0	0	0	0	1	0	1	2002	11495
9891	162	409.6	51410	0	0	0	0	0	0	0	0	0	1	0	0	2002	11390
9966	169	449.8	13788	0	0	0	0	0	0	0	0	0	1	0	0	2002	11577
10192	168	435.8	2777	0	0	0	0	0	0	0	0	0	1	0	0	2002	11331
9955	162	414.0	57070	0	0	0	0	0	0	0	0	0	0	1	0	2002	11491
9864	168	387.6	32513	0	0	0	0	0	0	0	0	0	0	1	0	2002	11025
9470	168	439.6	5494	0	0	0	0	0	0	0	0	0	0	1	0	2002	11595
9576	168	383.3	30334	0	0	0	0	0	0	0	0	0	0	1	0	2002	11827
9717	168	463.5	22902	0	0	0	0	0	0	0	0	0	0	0	0	2002	11586
9681	168	438.3	5936	0	0	0	0	0	0	0	0	0	0	0	0	2002	11743
9751	168	389.5	37657	0	0	0	0	0	0	0	0	0	0	0	0	2002	11479
9877	168	403.5	50500	0	0	0	0	0	0	0	0	0	0	0	0	2002	11659
10059	24	406.9	48358	0	0	0	0	0	0	0	0	0	0	0	0	2002	11849
9693	168	457.8	25725	1	0	0	0	0	0	0	0	0	0	0	0	2003	11697
9613	168	492.5	50773	1	0	0	0	0	0	0	0	0	0	0	0	2003	11886
9645	168	484.8	45324	1	0	0	0	0	0	0	0	0	0	0	0	2003	12052
9787	168	419.8	62019	1	0	0	0	0	0	0	0	0	0	0	0	2003	11952
9721	168	462.7	26646	0	1	0	0	0	0	0	0	0	0	0	0	2003	11872
9983	157	431.4	4883	0	1	0	0	0	0	0	0	0	0	0	0	2003	11640
9406	66	392.1	35805	0	1	0	0	0	0	0	0	0	0	0	0	2003	12022
9668	119	421.1	2121	0	0	1	0	0	0	0	0	0	0	0	1	2003	11760
9482	168	495.2	51263	0	0	1	0	0	0	0	0	0	0	0	0	2003	11725
9525	168	495.8	50290	0	0	1	0	0	0	0	0	0	0	0	0	2003	11734
9538	168	494.8	49468	0	0	1	0	0	0	0	0	0	0	0	0	2003	11892
9569	168	507.1	60660	0	0	1	0	0	0	0	0	0	0	0	0	2003	11696
10002	154	467.3	31665	0	0	0	1	0	0	0	0	0	0	0	0	2003	11824
9894	168	458.1	26446	0	0	0	1	0	0	0	0	0	0	0	0	2003	11483
9771	168	452.0	20389	0	0	0	1	0	0	0	0	0	0	0	0	2003	11533
9791	168	445.7	14676	0	0	0	1	0	0	0	0	0	0	0	0	2003	11727
9624	161	446.0	16821	0	0	0	0	1	0	0	0	0	0	0	0	2003	11762
9696	168	442.0	11635	0	0	0	0	1	0	0	0	0	0	0	0	2003	11697
9843	168	377.3	32875	0	0	0	0	1	0	0	0	0	0	0	0	2003	11416
9917	168	370.9	25527	0	0	0	0	1	0	0	0	0	0	0	0	2003	11580

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
9632	168	431.2	5317	0	0	0	0	1	0	0	0	0	0	0	0	2003	11439
10048	168	423.6	60355	0	0	0	0	0	1	0	0	0	0	0	0	2003	11472
10031	150	445.1	16412	0	0	0	0	0	1	0	0	0	0	0	0	2003	11670
9873	168	419.1	63287	0	0	0	0	0	1	0	0	0	0	0	0	2003	11832
9853	144	471.1	30204	0	0	0	0	0	1	0	0	0	0	0	0	2003	11582
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

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
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
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

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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
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
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

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 MW².

JAN to NOV The number 1 indicates the month of the observation. All 0's indicate December.

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

YEAR The year of the observation.

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 2006 - December 2006

Unit	Month	(1)	(2)	(3)	(4)	(5)
		Forecast AKW * 10 ³	Forecast LSRF * 10 ⁶	Forecast Monthly ANOHR	Forecast AKWH * 10 ³ Generation	Weighted ANOHR Target
CRIST 4	Jan '06	76.6	5,882	10,338	49,491	
	Feb '06	0.0	0	0	0	
	Mar '06	77.3	5,976	10,502	35,102	
	Apr '06	75.7	5,762	10,509	54,256	
	May '06	73.2	5,432	10,527	54,285	
	Jun '06	77.5	6,003	10,502	55,627	
	Jul '06	77.7	6,029	10,501	57,633	
	Aug '06	77.7	6,029	10,501	57,659	
	Sep '06	76.8	5,909	10,504	55,134	
	Oct '06	75.7	5,762	10,509	56,246	
	Nov '06	75.7	5,762	10,509	50,751	
	Dec '06	75.5	5,735	10,510	56,033	10,493
CRIST 5	Jan '06	79.3	6,224	10,225	51,128	
	Feb '06	78.6	6,131	10,427	16,890	
	Mar '06	79.8	6,290	10,416	59,040	
	Apr '06	78.7	6,144	10,426	56,260	
	May '06	76.4	5,841	10,451	56,531	
	Jun '06	79.8	6,290	10,416	57,103	
	Jul '06	79.8	6,290	10,416	59,070	
	Aug '06	79.9	6,303	10,236	59,100	
	Sep '06	79.3	6,224	10,420	56,769	
	Oct '06	78.6	6,131	10,427	58,271	
	Nov '06	78.6	6,131	10,220	50,720	
	Dec '06	78.5	6,117	10,428	58,087	10,375
CRIST 6	Jan '06	297.7	89,050	10,176	159,588	
	Feb '06	297.8	89,098	10,175	138,752	
	Mar '06	300.8	90,565	10,165	203,355	
	Apr '06	300.1	90,222	10,167	195,673	
	May '06	291.1	85,851	10,200	210,463	
	Jun '06	301.1	90,712	10,164	210,757	
	Jul '06	301.2	90,761	10,164	217,783	
	Aug '06	301.3	90,810	10,163	217,858	
	Sep '06	300.2	90,271	10,167	210,122	
	Oct '06	299.3	89,830	10,170	202,654	
	Nov '06	300.1	90,222	10,167	210,075	
	Dec '06	297.7	89,050	10,176	187,523	10,171

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

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

Calculation of
Target Average Net Operating Heat Rates
for January 2006 - December 2006

Unit	Month	(1)	(2)	(3)	(4)	(5)
		Forecast AKW * 10 ³	Forecast LSRF * 10 ⁶	Forecast Monthly ANOHR	Forecast AKWH * 10 ³ Generation	Weighted ANOHR Target
CRIST 7	Jan '06	299.7	100,721	10,796	209,158	
	Feb '06	299.6	100,660	10,796	188,758	
	Mar '06	298.6	100,050	10,802	100,916	
	Apr '06	472.5	227,055	10,170	148,825	
	May '06	472.9	227,396	10,169	329,607	
	Jun '06	474.9	229,102	10,164	320,545	
	Jul '06	476.6	230,557	10,160	332,194	
	Aug '06	476.6	230,557	10,160	332,194	
	Sep '06	475.9	229,957	10,162	321,226	
	Oct '06	471.9	226,545	10,171	265,667	
	Nov '06	471.5	226,205	10,172	254,589	
	Dec '06	473.9	228,248	10,166	266,323	10,268
SMITH 1	Jan '06	161.7	26,132	10,187	119,011	
	Feb '06	161.4	26,052	10,189	103,486	
	Mar '06	161.8	26,159	10,187	119,083	
	Apr '06	161.4	26,052	10,189	114,937	
	May '06	157.2	24,948	10,208	115,710	
	Jun '06	161.6	26,105	10,188	115,195	
	Jul '06	161.8	26,159	10,187	119,083	
	Aug '06	161.9	26,185	10,110	119,130	
	Sep '06	161.2	25,999	10,190	114,933	
	Oct '06	160.7	25,867	10,101	110,861	
	Nov '06	161.2	25,999	10,190	114,933	
	Dec '06	161.0	25,946	10,191	118,516	10,176
SMITH 2	Jan '06	186.4	35,616	10,236	96,350	
	Feb '06	188.5	36,350	10,229	118,778	
	Mar '06	187.8	36,105	9,828	113,971	
	Apr '06	188.7	36,421	10,477	126,983	
	May '06	183.6	34,648	10,244	127,980	
	Jun '06	188.8	36,456	10,229	127,223	
	Jul '06	188.5	36,350	10,229	131,395	
	Aug '06	188.2	36,245	10,230	131,169	
	Sep '06	188.3	36,280	10,230	122,772	
	Oct '06	186.0	35,477	10,237	37,753	
	Nov '06	187.6	36,035	10,232	118,166	
	Dec '06	187.8	36,105	10,232	130,891	10,222

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

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

Calculation of
Target Average Net Operating Heat Rates
for January 2006 - December 2006

Unit	Month	(1)	(2)	(3)	(4)	(5)	(6)
		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 '06	512.5	261,243	10,462	10,200	361,308	
	Feb '06	513.6	262,106	10,483	10,194	337,938	
	Mar '06	511.7	260,617	10,394	10,216	348,972	
	Apr '06	512.7	261,400	10,454	10,335	252,741	
	May '06	511.5	260,460	10,412	10,099	372,908	
	Jun '06	513.6	262,106	10,479	10,195	362,096	
	Jul '06	512.9	261,557	10,514	10,188	373,918	
	Aug '06	512.9	261,557	10,492	10,017	373,918	
	Sep '06	513.6	262,106	10,484	10,194	362,096	
	Oct '06	510.9	259,990	10,463	10,201	348,972	
	Nov '06	513.6	262,106	10,495	10,191	362,096	
	Dec '06	511.7	260,617	10,460	10,201	348,972	10,181
DANIEL 2	Jan '06	512.9	260,623	10,462	10,001	372,383	
	Feb '06	513.6	261,157	10,483	9,993	336,403	
	Mar '06	511.2	259,326	10,394	10,024	143,653	
	Apr '06	0.0	0	0	-	0	
	May '06	510.4	258,716	10,412	10,021	286,822	
	Jun '06	513.6	261,157	10,479	10,115	360,561	
	Jul '06	512.9	260,623	10,514	10,153	372,383	
	Aug '06	512.9	260,623	10,492	9,830	372,383	
	Sep '06	513.6	261,157	10,484	9,993	360,561	
	Oct '06	511.0	259,173	10,463	10,174	347,448	
	Nov '06	513.6	261,157	10,495	9,990	360,557	
	Dec '06	511.7	259,707	10,460	10,004	347,444	10,027

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.

$$\text{Column (6)} = (\sum ((4) * (5))) / (\sum (5))$$

Summary of Target, Maximum, and Minimum
Average Net Operating Heat Rates
for January 2006 - December 2006

Unit	Target Heat Rate BTU/KWH (0 Points)	Minimum Attainable Heat Rate (+ 10 Points)	Maximum Attainable Heat Rate (- 10 Points)
CRIST 4	10,493	10,178	10,808
CRIST 5	10,375	10,064	10,686
CRIST 6	10,171	9,866	10,476
CRIST 7	10,268	9,960	10,576
SMITH 1	10,176	9,871	10,481
SMITH 2	10,222	9,915	10,529
DANIEL 1	10,181	9,876	10,486
DANIEL 2	10,027	9,726	10,328

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II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
Target Equivalent Availabilities
for January 2006 - December 2006

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR *	Planned Outage Hours for Jan '06 - Dec '06	Reserve Shutdown Hours for Jan '06 - Dec '06	Target Equivalent Availability **
Crist 4	0.0101	1,056	0	87.1
Crist 5	0.0144	552	0	92.4
Crist 6	0.0982	0	0	90.2
Crist 7	0.1192	719	0	80.8
Smith 1	0.0191	0	0	98.1
Smith 2	0.1020	552	0	84.1
Daniel 1	0.0402	216	0	93.6
Daniel 2	0.0379	1,343	0	81.5

* For Period July 2000 through June 2005.

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

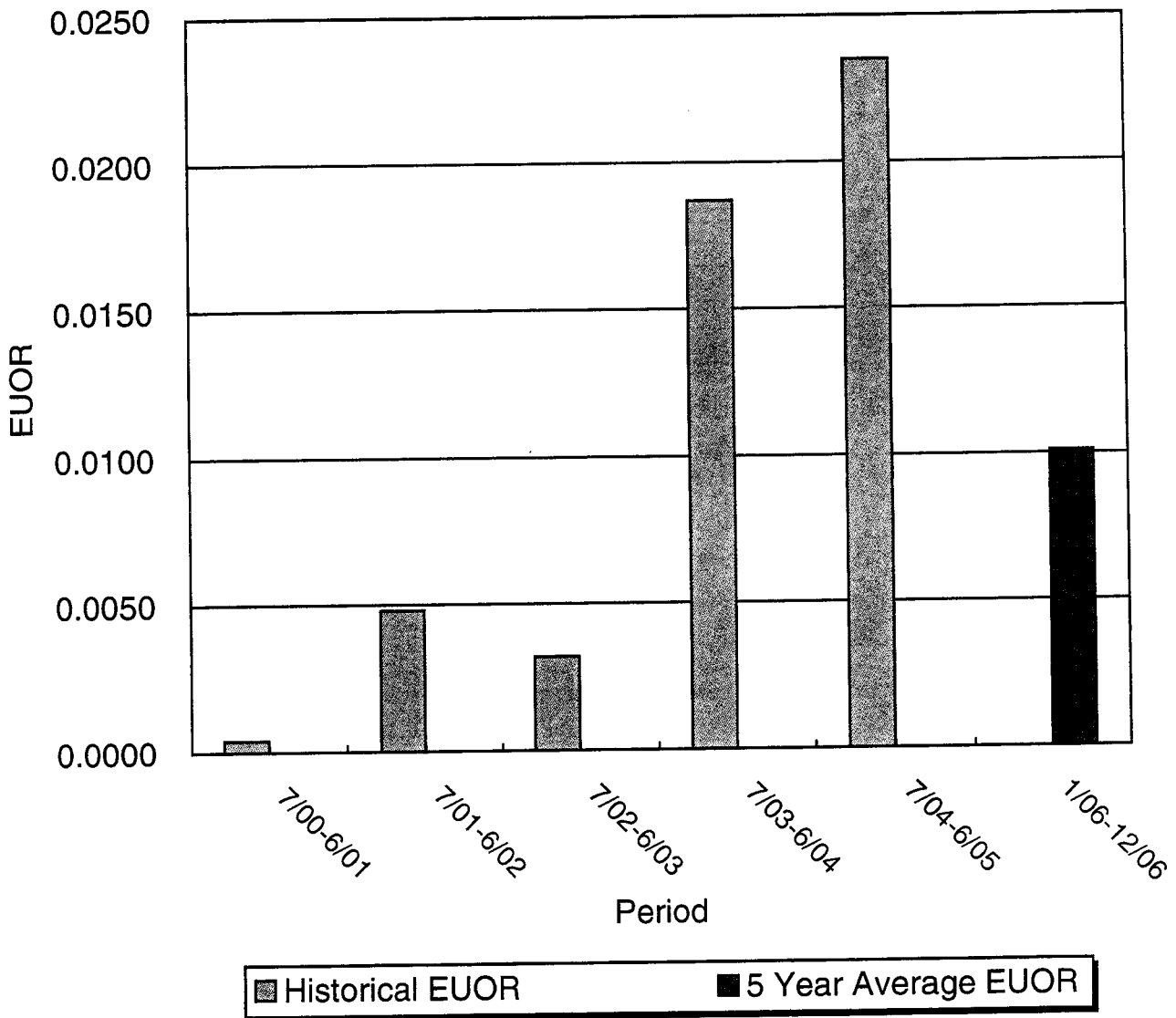
Calculation of Maximum and Minimum
Attainable Equivalent Availabilities
for January 2006 - December 2006

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	0.0101	0.0071	87.3	0.0146	86.7
Crist 5	0.0144	0.0101	92.8	0.0209	91.7
Crist 6	0.0982	0.0687	93.1	0.1424	85.8
Crist 7	0.1192	0.0834	84.1	0.1728	75.9
Smith 1	0.0191	0.0134	98.7	0.0277	97.2
Smith 2	0.1020	0.0714	87.0	0.1479	79.8
Daniel 1	0.0402	0.0281	94.8	0.0583	91.8
Daniel 2	0.0379	0.0265	82.4	0.0550	80.0

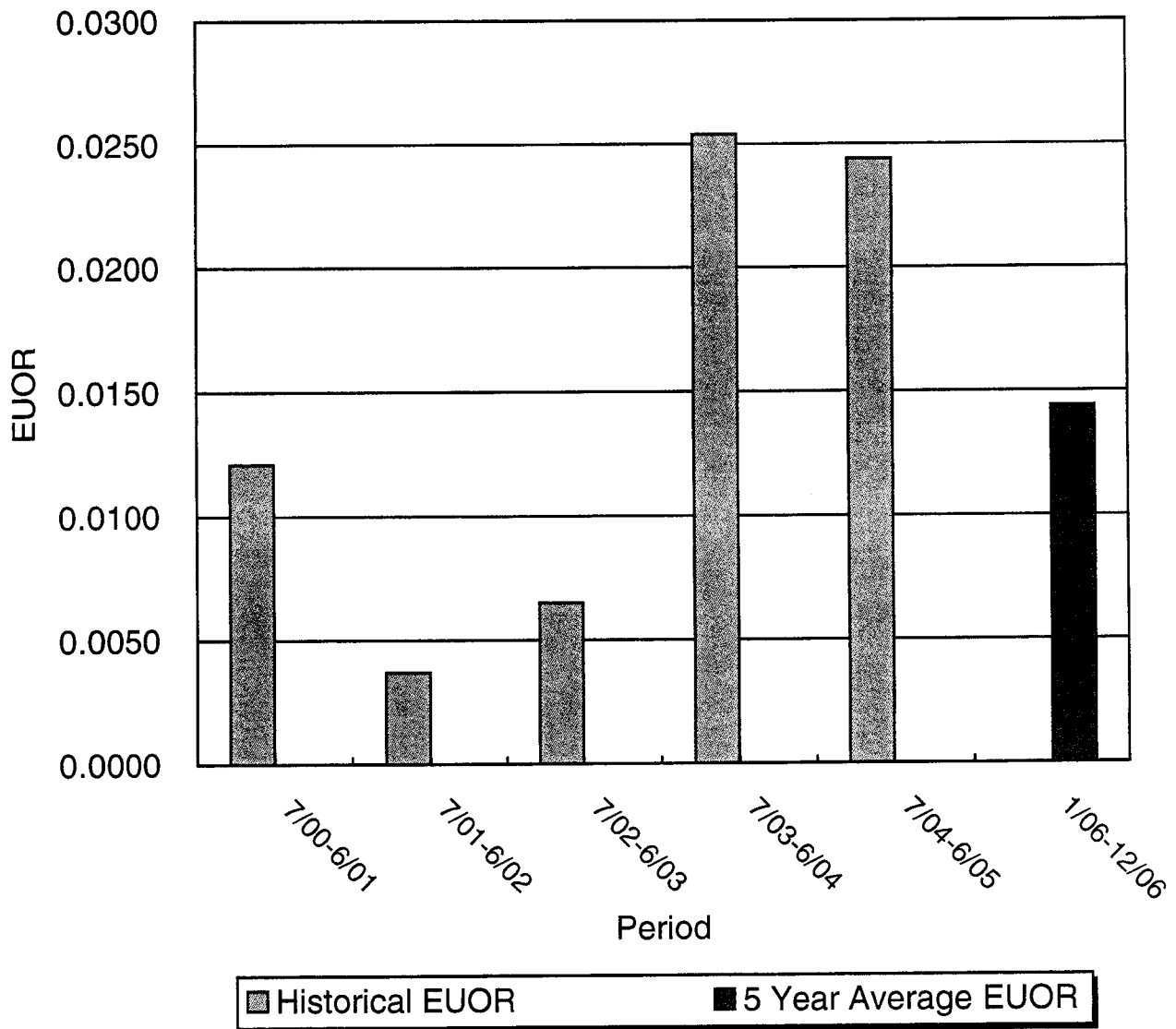
Summary of Target, Maximum, and Minimum
Equivalent Availabilities
for January 2006 - December 2006

Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Crist 4	87.1	87.3	86.7
Crist 5	92.4	92.8	91.7
Crist 6	90.2	93.1	85.8
Crist 7	80.8	84.1	75.9
Smith 1	98.1	98.7	97.2
Smith 2	84.1	87.0	79.8
Daniel 1	93.6	94.8	91.8
Daniel 2	81.5	82.4	80.0

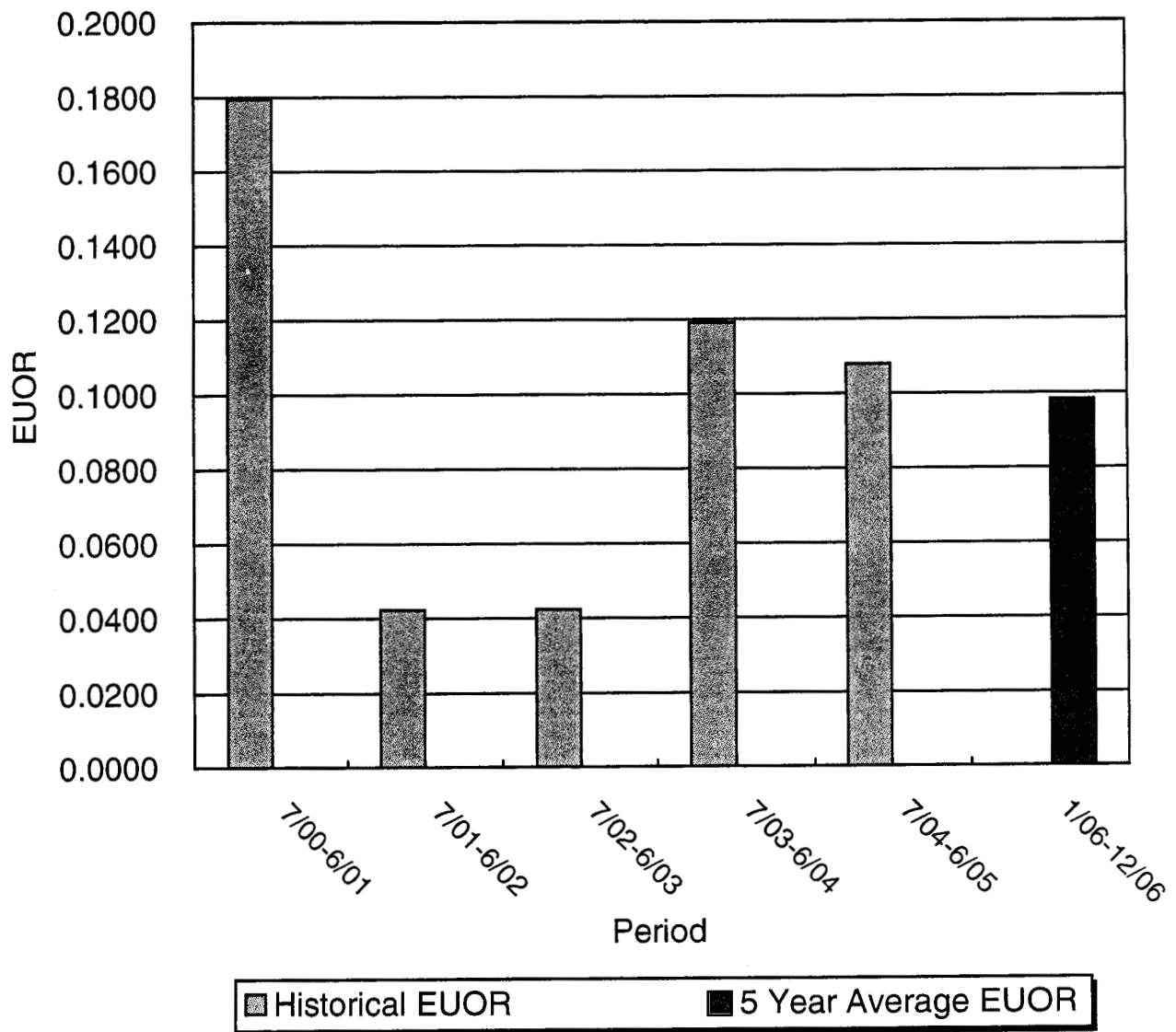
EUOR VS. PERIOD CRIST 4 January-December



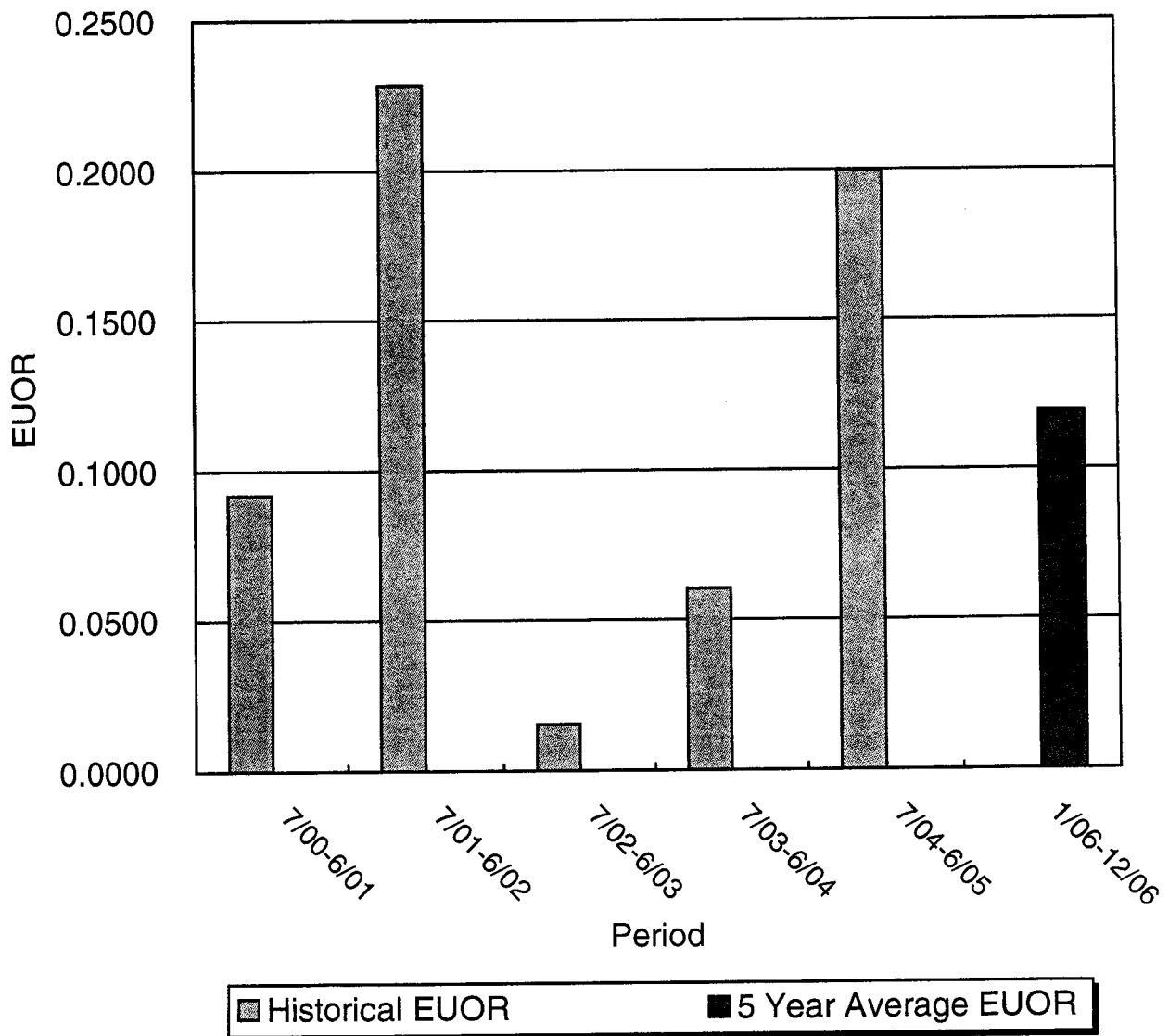
EUOR VS. PERIOD CRIST 5 January-December



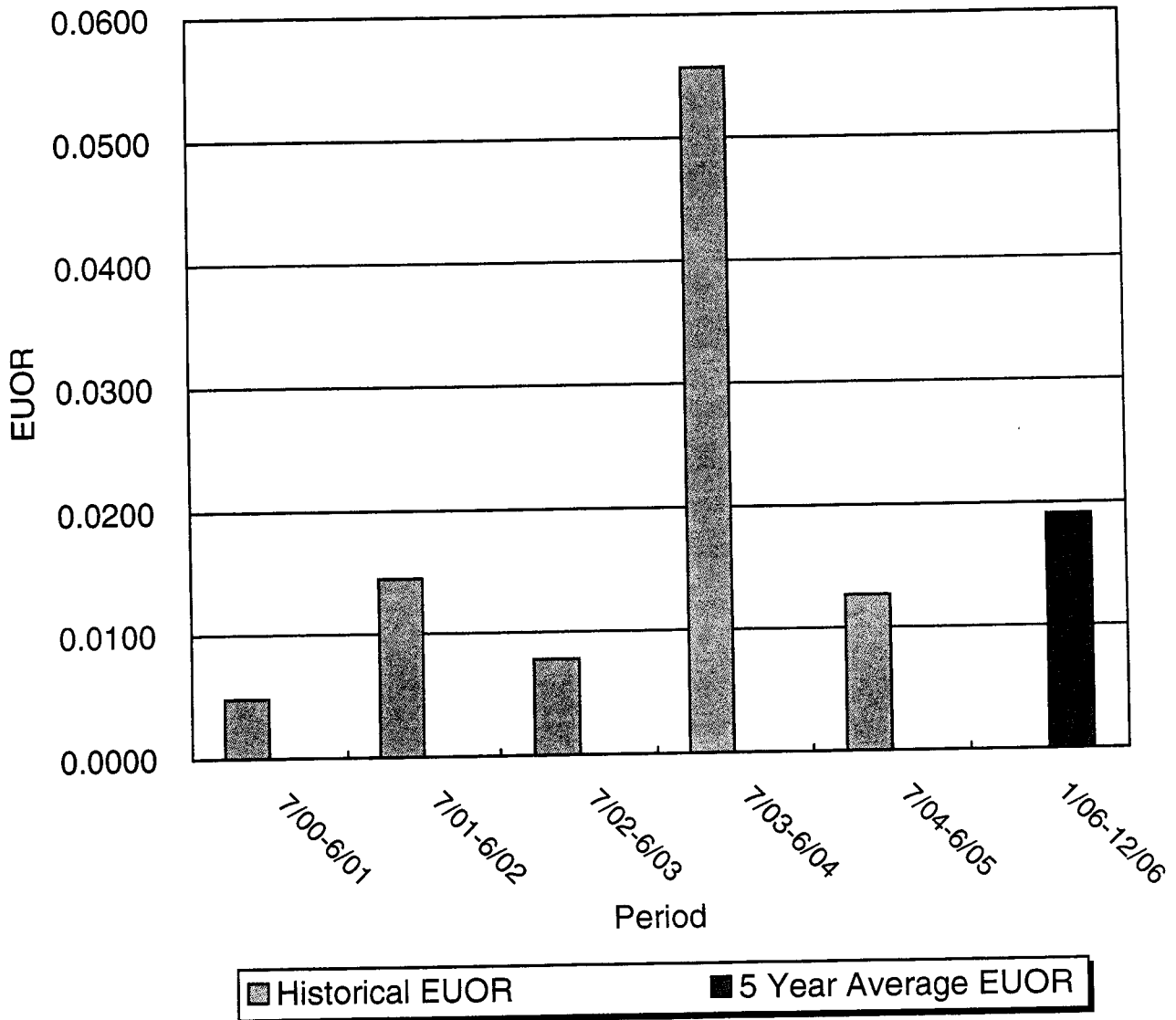
EUOR VS. PERIOD CRIST 6 January-December



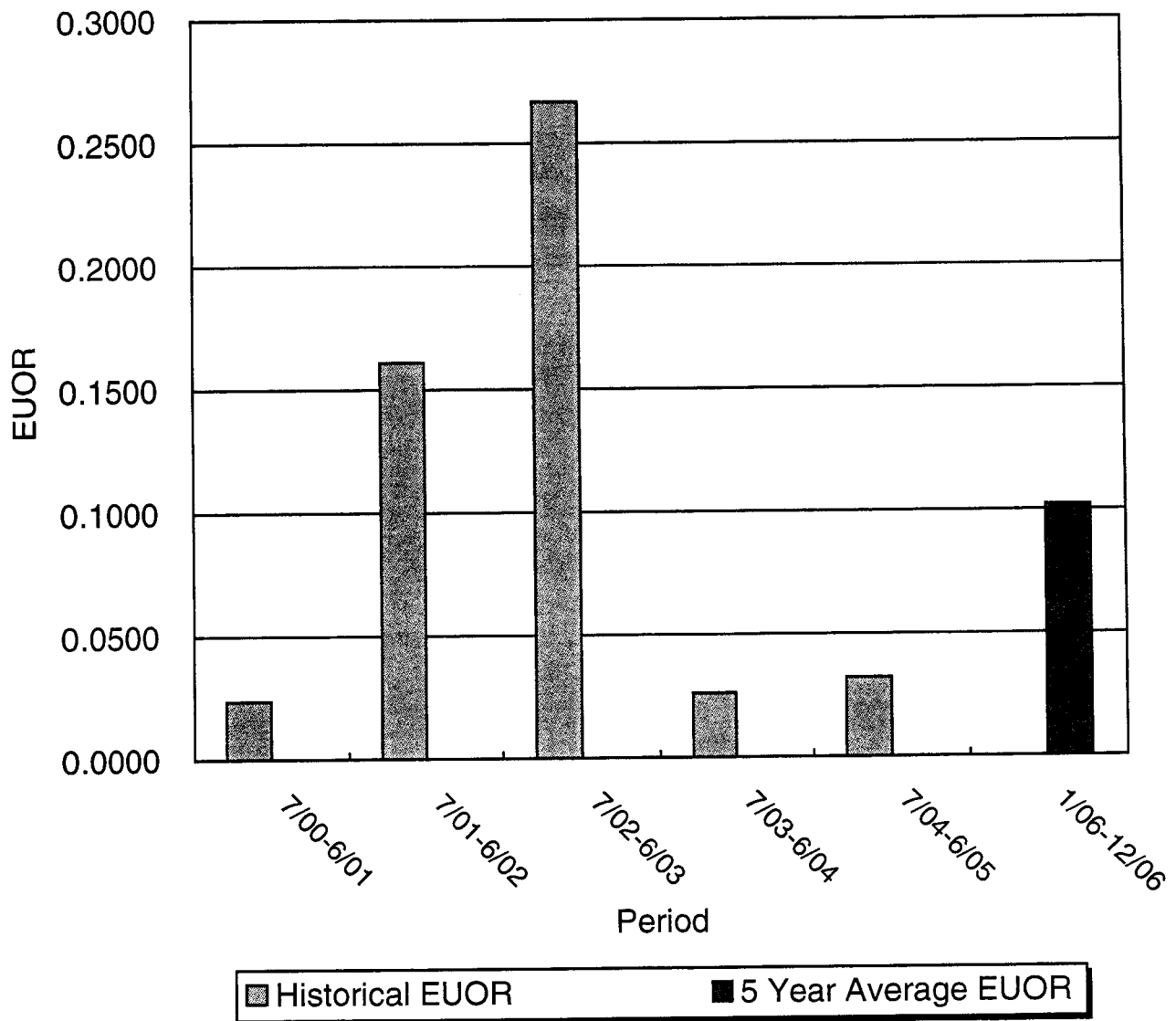
EUOR VS. PERIOD CRIST 7 January-December



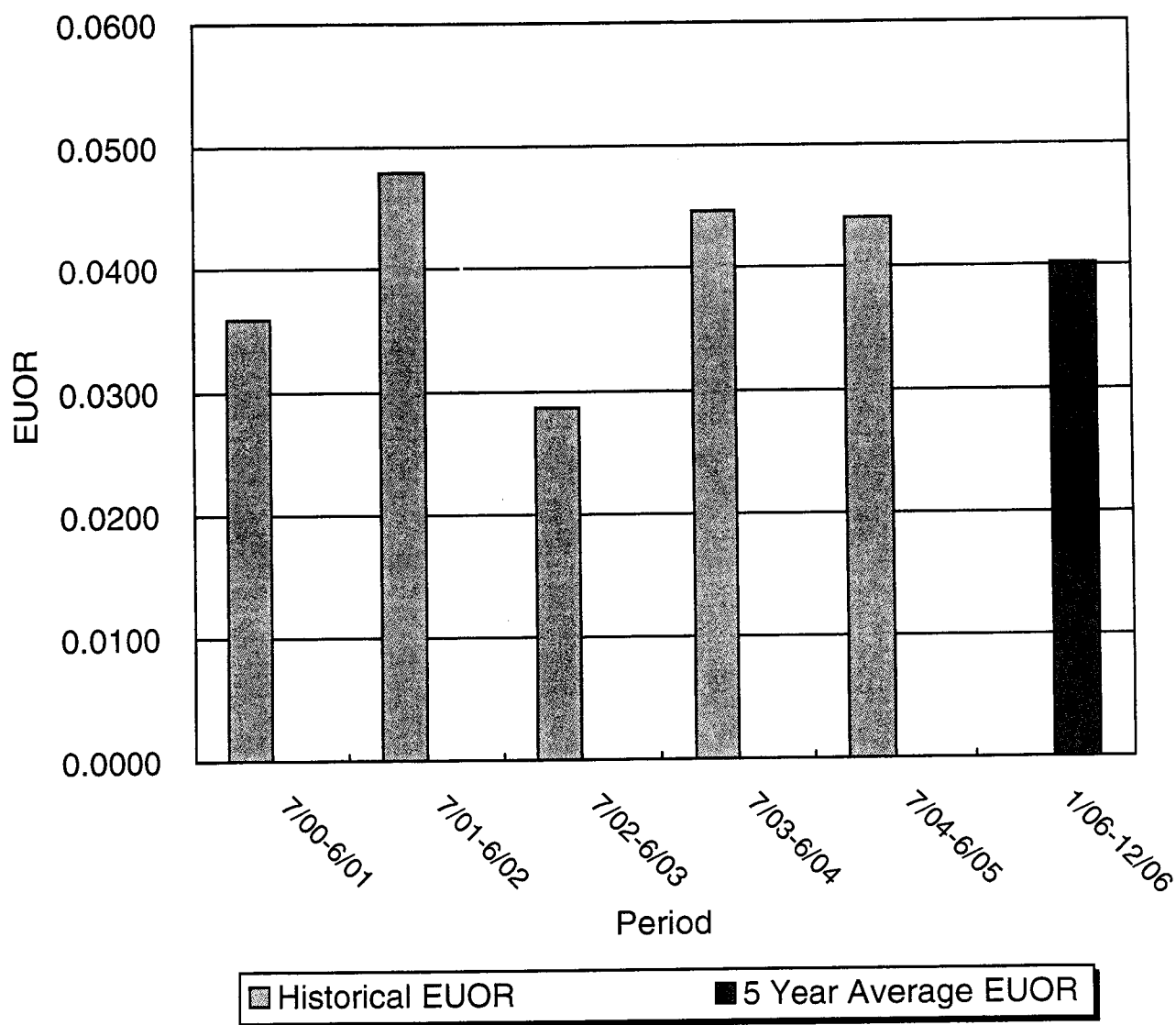
EUOR VS. PERIOD SMITH 1 January-December



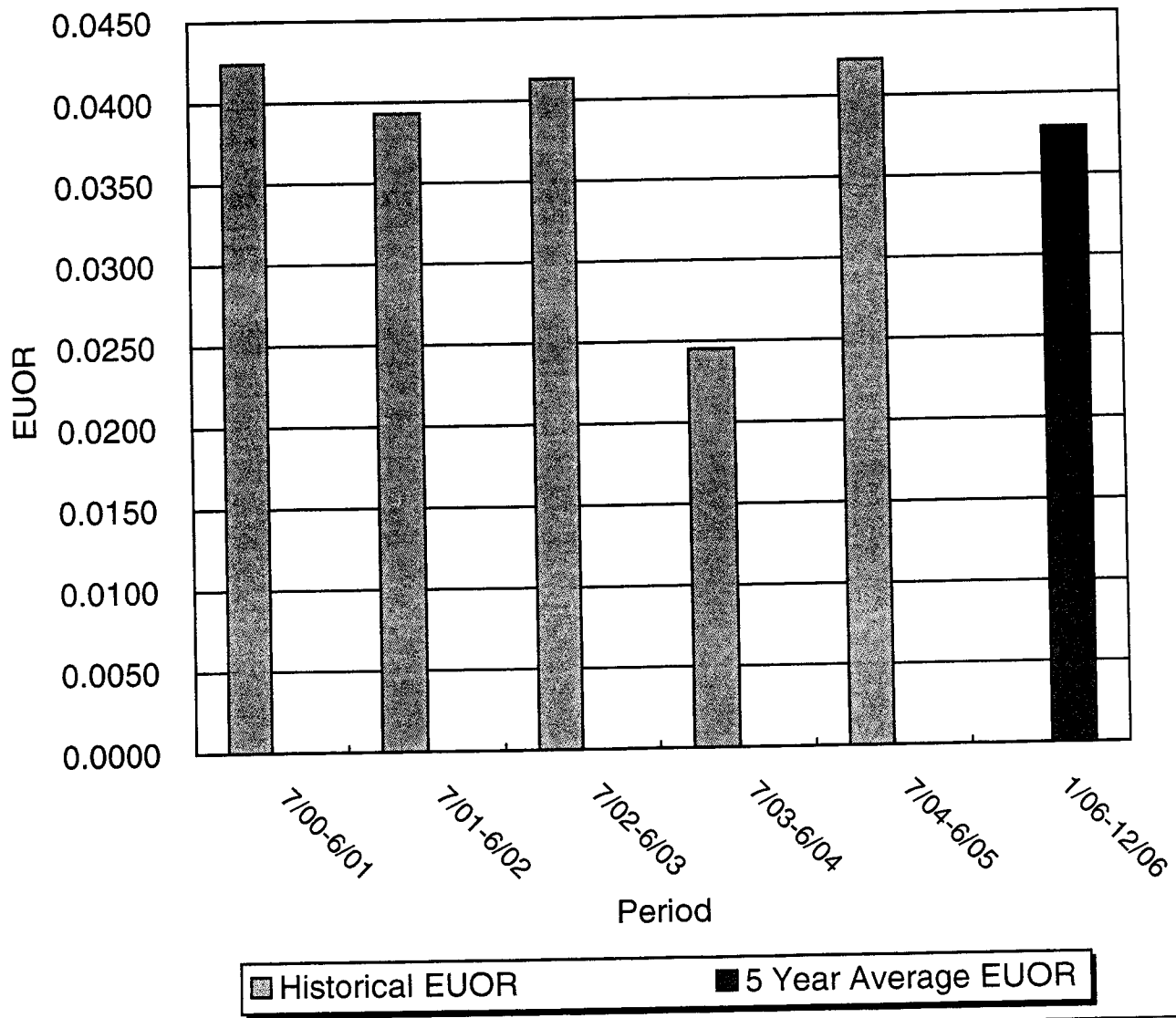
EUOR VS. PERIOD SMITH 2 January-December



EUOR VS. PERIOD DANIEL 1 January-December



EUOR VS. PERIOD DANIEL 2 January-December



Florida Public Service Commission
Docket No. 050001-EI
Gulf Power Company
Witness: L. S. Noack
Exhibit No. ___ (LSN-2)
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III. GPIF MINIMUM FILING REQUIREMENTS FOR THE
PERIOD JANUARY 2006 - DECEMBER 2006

CONTENTS	SCHEDULE 3
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GPIF Target and Range Summary	5
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Generating Performance Incentive Factor

Estimated Reward/Penalty Table

Gulf Power Company

Period of: January 2006 - December 2006

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	8250	2402
+ 9	7425	2162
+ 8	6600	1922
+ 7	5775	1682
+ 6	4950	1441
+ 5	4125	1201
+ 4	3300	961
+ 3	2475	721
+ 2	1650	480
+ 1	825	240
0	0	0
- 1	-924	-240
- 2	-1849	-480
- 3	-2773	-721
- 4	-3698	-961
- 5	-4622	-1201
- 6	-5546	-1441
- 7	-6471	-1682
- 8	-7395	-1922
- 9	-8320	-2162
- 10	-9244	-2402
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

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Generating Performance Incentive Factor
Calculation of Maximum Allowed Incentive Dollars

Estimated

Gulf Power Company

Period of: January 2006 - December 2006

Line 1	Beginning of Period Balance of Common Equity	\$606,704,000
	End of Month Balance of Common Equity:	
Line 2	Month of Jan '06	\$616,945,000
Line 3	Month of Feb '06	\$603,392,000
Line 4	Month of Mar '06	\$605,435,000
Line 5	Month of Apr '06	\$589,758,000
Line 6	Month of May '06	\$598,205,000
Line 7	Month of Jun '06	\$609,637,000
Line 8	Month of Jul '06	\$604,225,000
Line 9	Month of Aug '06	\$617,224,000
Line 10	Month of Sep '06	\$625,524,000
Line 11	Month of Oct '06	\$611,429,000
Line 12	Month of Nov '06	\$615,444,000
Line 13	Month of Dec '06	\$623,243,000
Line 14	Average Common Equity for the Period (sum of line 1 through line 13 divided by 13)	\$609,781,923
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)	\$2,483,602
Line 18	Jurisdictional Sales (KWH)	11,455,744,000
Line 19	Total Territorial Sales (KWH)	11,842,720,000
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)	96.7324%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 multiplied by line 20)	\$2,402,447

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GPIF Unit Performance Summary

Gulf Power Company

Period of: January 2006 - December 2006

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range		Max Fuel Savings (\$000)	Max Fuel Loss (\$000)
			Max %	Min %		
Crist 4	0.0%	87.1	87.3	86.7	\$0	(\$13)
Crist 5	0.1%	92.4	92.8	91.7	\$5	(\$13)
Crist 6	1.7%	90.2	93.1	85.8	\$142	(\$274)
Crist 7	8.0%	80.8	84.1	75.9	\$659	(\$1,126)
Smith 1	0.3%	98.1	98.7	97.2	\$28	(\$32)
Smith 2	2.7%	84.1	87.0	79.8	\$223	(\$311)
Daniel 1	2.4%	93.6	94.8	91.8	\$200	(\$310)
Daniel 2	2.9%	81.5	82.4	80.0	\$238	(\$410)

Plant & Unit	Weighting Factor %	ANOHR Target BTU/KWH	Target NOF	ANOHR Range		Max Fuel Savings (\$000)	Max Fuel Loss (\$000)
				Min BTU/KWH	Max BTU/KWH		
Crist 4	3.4%	10,493	97.8	10,178	10,808	\$281	(\$281)
Crist 5	3.7%	10,375	98.7	10,064	10,686	\$308	(\$308)
Crist 6	12.2%	10,171	99.0	9,866	10,476	\$1,008	(\$1,008)
Crist 7	19.7%	10,268	90.8	9,960	10,576	\$1,627	(\$1,627)
Smith 1	6.7%	10,176	99.4	9,871	10,481	\$549	(\$549)
Smith 2	6.4%	10,222	99.3	9,915	10,529	\$526	(\$526)
Daniel 1	16.0%	10,181	99.7	9,876	10,486	\$1,317	(\$1,317)
Daniel 2	13.8%	10,027	99.7	9,726	10,328	\$1,139	(\$1,139)

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2006 - December 2006

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target			Actual Performance 1st Prior Period Jul '04 - Jun '05			Actual Performance 2nd Prior Period Jul '03 - Jun '04		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
			Crist 4	0.0%	0.0%	0.1205	0.0089	0.0101	0.0222	0.0228	0.0235
Crist 5	0.1%	0.3%	0.0630	0.0135	0.0144	0.0219	0.0236	0.0244	0.0571	0.0239	0.0254
Crist 6	1.7%	9.5%	0.0000	0.0982	0.0982	0.0000	0.1079	0.1079	0.0650	0.1112	0.1191
Crist 7	8.0%	44.1%	0.0821	0.1095	0.1192	0.2054	0.1587	0.1997	0.2192	0.0472	0.0604
Smith 1	0.3%	1.9%	0.0000	0.0191	0.0191	0.0403	0.0122	0.0127	0.0798	0.0512	0.0557
Smith 2	2.7%	14.9%	0.0630	0.0957	0.1020	0.1962	0.0259	0.0322	0.0388	0.0252	0.0262
Daniel 1	2.4%	13.4%	0.0247	0.0392	0.0402	0.1343	0.0381	0.0440	0.0870	0.0407	0.0446
Daniel 2	2.9%	15.9%	0.1533	0.0321	0.0379	0.0743	0.0390	0.0422	0.1328	0.0212	0.0245
Weighted GPIF System Average			0.0735	0.0826	0.0889	0.1504	0.0957	0.1160	0.1431	0.0450	0.0528

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2006 - December 2006

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Jul '02 - Jun '03			Actual Performance 4th Prior Period Jul '01 - Jun '02			Actual Performance 5th Prior Period Jul '00 - Jun '01		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
			Crist 4	0.0%	0.0%	0.0581	0.0030	0.0032	0.1009	0.0032	0.0048
Crist 5	0.1%	0.3%	0.0598	0.0061	0.0065	0.1123	0.0024	0.0037	0.0372	0.0106	0.0121
Crist 6	1.7%	9.5%	0.0589	0.0399	0.0424	0.1562	0.0356	0.0423	0.1102	0.1580	0.1795
Crist 7	8.0%	44.1%	0.1199	0.0136	0.0155	0.1454	0.1952	0.2284	0.1224	0.0808	0.0920
Smith 1	0.3%	1.9%	0.1019	0.0070	0.0078	0.1105	0.0128	0.0145	0.0759	0.0044	0.0048
Smith 2	2.7%	14.9%	0.3159	0.1825	0.2668	0.1490	0.1303	0.1610	0.0920	0.0216	0.0237
Daniel 1	2.4%	13.4%	0.2250	0.0222	0.0287	0.0224	0.0466	0.0479	0.1153	0.0318	0.0359
Daniel 2	2.9%	15.9%	0.0526	0.0391	0.0413	0.2329	0.0291	0.0393	0.1167	0.0374	0.0424
Weighted GPIF System Average			0.1462	0.0464	0.0612	0.1437	0.1200	0.1417	0.1137	0.0642	0.0728

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Average Net Operating Heat Rate

Gulf Power Company

Period of: January 2006 - December 2006

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Heat Rate Target	1st Prior Period	2nd Prior Period	3rd Prior Period
				Heat Rate Jul '04 - Jun '05	Heat Rate Jul '03 - Jun '04	Heat Rate Jul '02 - Jun '03
Crist 4	3.4%	4.2%	10,493	10,564	10,385	10,570
Crist 5	3.7%	4.6%	10,375	10,481	10,209	10,493
Crist 6	12.2%	14.9%	10,171	10,203	20,572	10,147
Crist 7	19.7%	24.1%	10,268	10,383	10,262	10,291
Smith 1	6.7%	8.1%	10,176	10,136	10,243	10,217
Smith 2	6.4%	7.8%	10,222	10,409	10,107	10,349
Daniel 1	16.0%	19.5%	10,181	9,848	10,231	10,033
Daniel 2	13.8%	16.9%	10,027	10,087	10,011	10,019
Weighted GPIF System Average:			10,199	10,196	11,741	10,193

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Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 6 Jul '03 - Jun '04

	Jul Jan	Aug Feb	Sep Mar	Oct Apr	Nov May	Dec Jun
1. Target Heat Rate*	10164.0 10176.0	10163.0 10175.0	10167.0 10165.0	10170.0 10167.0	10167.0 10200.0	10176.0 10164.0
2. Target Heat Rate at Actual Conditions**	10389.0 13975.0	10319.0 10250.0	10366.0 10260.0	10379.0 10383.0	10312.0 10439.0	10343.0 10383.0
3. Adjustments to Actual Heat Rate (1-2)	-225.0 -3799.0	-156.0 -75.0	-199.0 -95.0	-209.0 -216.0	-145.0 -239.0	-167.0 -219.0
4. Actual Heat Rate for Prior Period	10507.0 169167.0	10286.0 9565.0	10328.0 9831.0	10593.0 10148.0	10470.0 10635.0	10185.0 10177.0
5. Adjusted actual Heat Rate (4+3)	10282.0 165368.0	10130.0 9490.0	10129.0 9736.0	10384.0 9932.0	10325.0 10396.0	10018.0 9958.0
6. Forecast Net MWH Generation*	217783.0 159587.6	217858.1 138752.2	210122.3 203354.7	202653.7 195673.0	210074.8 210462.7	187522.8 210757.0
7. Adjusted Actual Heat Rate for Jul '03 - Jun '04 = (\sum (5) * (6)) / (\sum (6))						

20,572

* For the January 2006 - December 2006 time period.

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

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Derivation of Weighting Factors

Gulf Power Company

Period of: January 2006 - December 2006

Plant & Unit	Unit Performance Indicator	Production Cost Simulation Fuel Cost (\$000)			Weighting Factor (% of Savings)
		At Target (1)	At Maximum Improvement (2)	Savings (3)	
Crist 4	EA-1	\$494,490	\$494,490	\$0	0.0%
Crist 4	ANOHR-1	\$494,490	\$494,209	\$281	3.4%
Crist 5	EA-2	\$494,490	\$494,485	\$5	0.1%
Crist 5	ANOHR-2	\$494,490	\$494,182	\$308	3.7%
Crist 6	EA-3	\$494,490	\$494,348	\$142	1.7%
Crist 6	ANOHR-3	\$494,490	\$493,482	\$1,008	12.2%
Crist 7	EA-4	\$494,490	\$493,831	\$659	8.0%
Crist 7	ANOHR-4	\$494,490	\$492,863	\$1,627	19.7%
Smith 1	EA-5	\$494,490	\$494,462	\$28	0.3%
Smith 1	ANOHR-5	\$494,490	\$493,941	\$549	6.7%
Smith 2	EA-6	\$494,490	\$494,267	\$223	2.7%
Smith 2	ANOHR-6	\$494,490	\$493,964	\$526	6.4%
Daniel 1	EA-7	\$494,490	\$494,290	\$200	2.4%
Daniel 1	ANOHR-7	\$494,490	\$493,173	\$1,317	16.0%
Daniel 2	EA-8	\$494,490	\$494,252	\$238	2.9%
Daniel 2	ANOHR-8	\$494,490	\$493,351	\$1,139	13.8%

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

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2006 - December 2006

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	0	87.30	+ 10	281	10,178
+ 9	0	87.28	+ 9	253	10,202
+ 8	0	87.26	+ 8	225	10,226
+ 7	0	87.24	+ 7	197	10,250
+ 6	0	87.22	+ 6	169	10,274
+ 5	0	87.20	+ 5	141	10,298
+ 4	0	87.18	+ 4	112	10,322
+ 3	0	87.16	+ 3	84	10,346
+ 2	0	87.14	+ 2	56	10,370
+ 1	0	87.12	+ 1	28	10,394
0	0	87.10	0	0	10,418
				0	10,493
				0	10,568
- 1	(1)	87.06	- 1	(28)	10,592
- 2	(3)	87.02	- 2	(56)	10,616
- 3	(4)	86.98	- 3	(84)	10,640
- 4	(5)	86.94	- 4	(112)	10,664
- 5	(7)	86.90	- 5	(141)	10,688
- 6	(8)	86.86	- 6	(169)	10,712
- 7	(9)	86.82	- 7	(197)	10,736
- 8	(10)	86.78	- 8	(225)	10,760
- 9	(12)	86.74	- 9	(253)	10,784
- 10	(13)	86.70	- 10	(281)	10,808
Weighting Factor:		0.000	Weighting Factor:		0.034

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2006 - December 2006

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	5	92.80	+ 10	308	10,064
+ 9	5	92.76	+ 9	277	10,088
+ 8	4	92.72	+ 8	246	10,111
+ 7	4	92.68	+ 7	216	10,135
+ 6	3	92.64	+ 6	185	10,158
+ 5	3	92.60	+ 5	154	10,182
+ 4	2	92.56	+ 4	123	10,206
+ 3	2	92.52	+ 3	92	10,229
+ 2	1	92.48	+ 2	62	10,253
+ 1	1	92.44	+ 1	31	10,276
				0	10,300
0	0	92.40	0	0	10,375
				0	10,450
- 1	(1)	92.33	- 1	(31)	10,474
- 2	(3)	92.26	- 2	(62)	10,497
- 3	(4)	92.19	- 3	(92)	10,521
- 4	(5)	92.12	- 4	(123)	10,544
- 5	(7)	92.05	- 5	(154)	10,568
- 6	(8)	91.98	- 6	(185)	10,592
- 7	(9)	91.91	- 7	(216)	10,615
- 8	(10)	91.84	- 8	(246)	10,639
- 9	(12)	91.77	- 9	(277)	10,662
- 10	(13)	91.70	- 10	(308)	10,686
Weighting Factor:		0.001	Weighting Factor:		0.037

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2006 - December 2006

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	142	93.10	+ 10	1,008	9,866
+ 9	128	92.81	+ 9	907	9,889
+ 8	114	92.52	+ 8	806	9,912
+ 7	99	92.23	+ 7	706	9,935
+ 6	85	91.94	+ 6	605	9,958
+ 5	71	91.65	+ 5	504	9,981
+ 4	57	91.36	+ 4	403	10,004
+ 3	43	91.07	+ 3	302	10,027
+ 2	28	90.78	+ 2	202	10,050
+ 1	14	90.49	+ 1	101	10,073
				0	10,096
0	0	90.20	0	0	10,171
				0	10,246
- 1	(27)	89.76	- 1	(101)	10,269
- 2	(55)	89.32	- 2	(202)	10,292
- 3	(82)	88.88	- 3	(302)	10,315
- 4	(110)	88.44	- 4	(403)	10,338
- 5	(137)	88.00	- 5	(504)	10,361
- 6	(164)	87.56	- 6	(605)	10,384
- 7	(192)	87.12	- 7	(706)	10,407
- 8	(219)	86.68	- 8	(806)	10,430
- 9	(247)	86.24	- 9	(907)	10,453
- 10	(274)	85.80	- 10	(1,008)	10,476
Weighting Factor:		0.017	Weighting Factor:		0.122

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2006 - December 2006

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	659	84.10	+ 10	1,627	9,960
+ 9	593	83.77	+ 9	1,464	9,983
+ 8	527	83.44	+ 8	1,302	10,007
+ 7	461	83.11	+ 7	1,139	10,030
+ 6	395	82.78	+ 6	976	10,053
+ 5	330	82.45	+ 5	814	10,077
+ 4	264	82.12	+ 4	651	10,100
+ 3	198	81.79	+ 3	488	10,123
+ 2	132	81.46	+ 2	325	10,146
+ 1	66	81.13	+ 1	163	10,170
0	0	80.80	0	0	10,193
				0	10,268
				0	10,343
- 1	(113)	80.31	- 1	(163)	10,366
- 2	(225)	79.82	- 2	(325)	10,390
- 3	(338)	79.33	- 3	(488)	10,413
- 4	(450)	78.84	- 4	(651)	10,436
- 5	(563)	78.35	- 5	(814)	10,460
- 6	(676)	77.86	- 6	(976)	10,483
- 7	(788)	77.37	- 7	(1,139)	10,506
- 8	(901)	76.88	- 8	(1,302)	10,529
- 9	(1,013)	76.39	- 9	(1,464)	10,553
- 10	(1,126)	75.90	- 10	(1,627)	10,576
Weighting Factor:		0.080	Weighting Factor:		0.197

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2006 - December 2006

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	28	98.70	+ 10	549	9,871
+ 9	25	98.64	+ 9	494	9,894
+ 8	22	98.58	+ 8	439	9,917
+ 7	20	98.52	+ 7	384	9,940
+ 6	17	98.46	+ 6	329	9,963
+ 5	14	98.40	+ 5	275	9,986
+ 4	11	98.34	+ 4	220	10,009
+ 3	8	98.28	+ 3	165	10,032
+ 2	6	98.22	+ 2	110	10,055
+ 1	3	98.16	+ 1	55	10,078
0	0	98.10	0	0	10,101
				0	10,176
				0	10,251
- 1	(3)	98.01	- 1	(55)	10,274
- 2	(6)	97.92	- 2	(110)	10,297
- 3	(10)	97.83	- 3	(165)	10,320
- 4	(13)	97.74	- 4	(220)	10,343
- 5	(16)	97.65	- 5	(275)	10,366
- 6	(19)	97.56	- 6	(329)	10,389
- 7	(22)	97.47	- 7	(384)	10,412
- 8	(26)	97.38	- 8	(439)	10,435
- 9	(29)	97.29	- 9	(494)	10,458
- 10	(32)	97.20	- 10	(549)	10,481
Weighting Factor:		0.003	Weighting Factor:		0.067

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2006 - December 2006

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	223	87.00	+ 10	526	9,915
+ 9	201	86.71	+ 9	473	9,938
+ 8	178	86.42	+ 8	421	9,961
+ 7	156	86.13	+ 7	368	9,985
+ 6	134	85.84	+ 6	316	10,008
+ 5	112	85.55	+ 5	263	10,031
+ 4	89	85.26	+ 4	210	10,054
+ 3	67	84.97	+ 3	158	10,077
+ 2	45	84.68	+ 2	105	10,101
+ 1	22	84.39	+ 1	53	10,124
				0	10,147
0	0	84.10	0	0	10,222
				0	10,297
- 1	(31)	83.67	- 1	(53)	10,320
- 2	(62)	83.24	- 2	(105)	10,343
- 3	(93)	82.81	- 3	(158)	10,367
- 4	(124)	82.38	- 4	(210)	10,390
- 5	(156)	81.95	- 5	(263)	10,413
- 6	(187)	81.52	- 6	(316)	10,436
- 7	(218)	81.09	- 7	(368)	10,459
- 8	(249)	80.66	- 8	(421)	10,483
- 9	(280)	80.23	- 9	(473)	10,506
- 10	(311)	79.80	- 10	(526)	10,529
Weighting Factor:		0.027	Weighting Factor:		0.064

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2006 - December 2006

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	200	94.80	+ 10	1,317	9,876
+ 9	180	94.68	+ 9	1,185	9,899
+ 8	160	94.56	+ 8	1,054	9,922
+ 7	140	94.44	+ 7	922	9,945
+ 6	120	94.32	+ 6	790	9,968
+ 5	100	94.20	+ 5	659	9,991
+ 4	80	94.08	+ 4	527	10,014
+ 3	60	93.96	+ 3	395	10,037
+ 2	40	93.84	+ 2	263	10,060
+ 1	20	93.72	+ 1	132	10,083
				0	10,106
0	0	93.60	0	0	10,181
				0	10,256
- 1	(31)	93.42	- 1	(132)	10,279
- 2	(62)	93.24	- 2	(263)	10,302
- 3	(93)	93.06	- 3	(395)	10,325
- 4	(124)	92.88	- 4	(527)	10,348
- 5	(155)	92.70	- 5	(659)	10,371
- 6	(186)	92.52	- 6	(790)	10,394
- 7	(217)	92.34	- 7	(922)	10,417
- 8	(248)	92.16	- 8	(1,054)	10,440
- 9	(279)	91.98	- 9	(1,185)	10,463
- 10	(310)	91.80	- 10	(1,317)	10,486
Weighting Factor:		0.024	Weighting Factor:		0.160

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2006 - December 2006

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	238	82.40	+ 10	1,139	9,726
+ 9	214	82.31	+ 9	1,025	9,749
+ 8	190	82.22	+ 8	911	9,771
+ 7	167	82.13	+ 7	797	9,794
+ 6	143	82.04	+ 6	683	9,816
+ 5	119	81.95	+ 5	570	9,839
+ 4	95	81.86	+ 4	456	9,862
+ 3	71	81.77	+ 3	342	9,884
+ 2	48	81.68	+ 2	228	9,907
+ 1	24	81.59	+ 1	114	9,929
0	0	81.50	0	0	9,952
				0	10,027
				0	10,102
- 1	(41)	81.35	- 1	(114)	10,125
- 2	(82)	81.20	- 2	(228)	10,147
- 3	(123)	81.05	- 3	(342)	10,170
- 4	(164)	80.90	- 4	(456)	10,192
- 5	(205)	80.75	- 5	(570)	10,215
- 6	(246)	80.60	- 6	(683)	10,238
- 7	(287)	80.45	- 7	(797)	10,260
- 8	(328)	80.30	- 8	(911)	10,283
- 9	(369)	80.15	- 9	(1,025)	10,305
- 10	(410)	80.00	- 10	(1,139)	10,328
Weighting Factor:		0.029	Weighting Factor:		0.138

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Florida Public Service Commission
Docket No. 050001-EI
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Exhibit No. ____ (LSN-2)
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ESTIMATED UNIT PERFORMANCE DATA

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

CRIST 4	Jan '06	Feb '06	Mar '06	Apr '06	May '06	Jun '06	
1. EAF (%)	86.7	0.0	60.8	99.6	99.7	99.7	
2. POF (%)	12.9	100.0	38.7	0.0	0.0	0.0	
3. EUOF (%)	0.4	0.0	0.5	0.4	0.3	0.3	
4. EUOR (%)	0.5	0.0	0.9	0.4	0.3	0.3	
5. PH	744.0	672.0	744.0	719.0	744.0	720.0	
6. SH	646.0	0.0	454.0	717.0	742.0	718.0	
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8. UH	98.0	672.0	290.0	2.0	2.0	2.0	
9. POH	96.0	672.0	288.0	0.0	0.0	0.0	
10. FOH & EFOH	3.0	0.0	4.0	3.0	2.0	2.0	
11. MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12. Oper MBtu	511638.0	0.0	368642.0	570174.0	571457.0	584195.0	
13. Net Gen (MWH)	49491.0	0.0	35102.1	54255.8	54284.9	55627.0	
14. ANOHR (Btu/KWH)	10338.0	-	10502.0	10509.0	10527.0	10502.0	
15. NOF %	98.2	0.0	99.1	97.0	93.8	99.3	
16. NPC (MW)	78.0	78.0	78.0	78.0	78.0	78.0	
19. ANOHR Equation	$10^6 / AKW * [498.36 - 12.78 * JAN - 8.72 * FEB]$ $- 4347 + 0.10869 * LSRF / AKW$						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

CRIST 4	Jul '06	Aug '06	Sep '06	Oct '06	Nov '06	Dec '06	Total
1. EAF (%)	99.7	99.7	99.7	99.5	92.9	99.6	87.1
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	12.1
3. EUOF (%)	0.3	0.3	0.3	0.5	7.1	0.4	0.8
4. EUOR (%)	0.3	0.3	0.3	0.5	7.1	0.4	1.0
5. PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6. SH	742.0	742.0	718.0	743.0	670.0	742.0	7634.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	2.0	2.0	2.0	2.0	50.0	2.0	1126.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	1056.0
10. FOH & EFOH	2.0	2.0	2.0	4.0	3.0	3.0	30.0
11. MOH & EMOH	0.0	0.0	0.0	0.0	48.0	0.0	48.0
12. Oper MBtu	605208.0	605477.0	579129.0	591085.0	533337.0	588911.0	6109253.0
13. Net Gen (MWH)	57633.4	57659.0	55134.1	56245.6	50750.5	56033.4	582216.8
14. ANOHR (Btu/KWH)	10501.0	10501.0	10504.0	10509.0	10509.0	10510.0	10493.0
15. NOF %	99.6	99.6	98.4	97.1	97.1	96.8	97.8
16. NPC (MW)	78.0	78.0	78.0	78.0	78.0	78.0	78.0
19. ANOHR Equation	$10^6 / AKW * [498.36 - 12.78 * JAN - 8.72 * FEB]$ $- 4347 + 0.10869 * LSRF / AKW$						

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GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

	CRIST 5	Jan '06	Feb '06	Mar '06	Apr '06	May '06	Jun '06	
1.	EAF (%)	86.7	32.0	99.2	99.4	99.5	99.4	
2.	POF (%)	12.9	67.9	0.0	0.0	0.0	0.0	
3.	EUOF (%)	0.4	0.1	0.8	0.6	0.5	0.6	
4.	EUOR (%)	0.5	0.5	0.8	0.6	0.5	0.6	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	645.0	215.0	740.0	715.0	740.0	716.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	99.0	457.0	4.0	4.0	4.0	4.0	
9.	POH	96.0	456.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	3.0	1.0	6.0	4.0	4.0	4.0	
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	522785.0	176112.0	614960.0	586563.0	590810.0	594780.0	
13.	Net Gen (MWH)	51128.1	16890.0	59039.9	56259.6	56531.4	57102.5	
14.	ANOHR (Btu/KWH)	10225.0	10427.0	10416.0	10426.0	10451.0	10416.0	
15.	NOF %	99.1	98.2	99.7	98.4	95.5	99.7	
16.	NPC (MW)	80.0	80.0	80.0	80.0	80.0	80.0	
19.	ANOHR Equation	$10^6 / AKW * [563.97 - 15.45 * JAN - 14.34 * AUG - 16.27 * NOV]$ $- 5954 + 0.11802 * LSRF / AKW$						

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GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

CRIST 5	Jul '06	Aug '06	Sep '06	Oct '06	Nov '06	Dec '06	Total
1. EAF (%)	99.5	99.5	99.4	99.3	89.6	99.5	92.4
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	6.3
3. EUOF (%)	0.5	0.5	0.6	0.7	10.4	0.5	1.3
4. EUOR (%)	0.5	0.5	0.6	0.7	10.4	0.5	1.4
5. PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6. SH	740.0	740.0	716.0	741.0	645.0	740.0	8093.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	4.0	4.0	4.0	4.0	75.0	4.0	667.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	552.0
10. FOH & EFOH	4.0	4.0	4.0	5.0	3.0	4.0	46.0
11. MOH & EMOH	0.0	0.0	0.0	0.0	72.0	0.0	72.0
12. Oper MBtu	615272.0	604947.0	591537.0	607596.0	518358.0	605732.0	6629452.0
13. Net Gen (MWH)	59069.9	59099.9	56769.4	58271.4	50720.0	58087.1	638969.2
14. ANOHR (Btu/KWH)	10416.0	10236.0	10420.0	10427.0	10220.0	10428.0	10375.0
15. NOF %	99.8	99.8	99.1	98.3	98.3	98.1	98.7
16. NPC (MW)	80.0	80.0	80.0	80.0	80.0	80.0	80.0
19. ANOHR Equation	$10^6 / AKW * [563.97 - 15.45 * JAN - 14.34 * AUG - 16.27 * NOV]$ $- 5954 + 0.11802 * LSRF / AKW$						

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GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

	CRIST 6	Jan '06	Feb '06	Mar '06	Apr '06	May '06	Jun '06	
1.	EAF (%)	72.0	69.2	90.6	90.7	97.2	97.2	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	28.0	30.8	9.4	9.3	2.8	2.8	
4.	EUOR (%)	28.0	30.8	9.4	9.3	2.8	2.8	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	536.0	466.0	676.0	652.0	723.0	700.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	208.0	206.0	68.0	67.0	21.0	20.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	16.0	15.0	22.0	19.0	21.0	20.0	
11.	MOH & EMOH	192.0	192.0	48.0	48.0	0.0	0.0	
12.	Oper MBtu	1623963.0	1411804.0	2067101.0	1989407.0	2146720.0	2142134.0	
13.	Net Gen (MWH)	159587.6	138752.2	203354.7	195673.0	210462.7	210757.0	
14.	ANOHR (Btu/KWH)	10176.0	10175.0	10165.0	10167.0	10200.0	10164.0	
15.	NOF %	98.6	98.6	99.6	99.4	96.4	99.7	
16.	NPC (MW)	302.0	302.0	302.0	302.0	302.0	302.0	
19.	ANOHR Equation	10 ⁶ / AKW * [313.41] +9,123						

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GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

CRIST 6	Jul '06	Aug '06	Sep '06	Oct '06	Nov '06	Dec '06	Total
1. EAF (%)	97.2	97.2	97.1	90.9	96.9	84.7	90.2
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	2.8	2.8	2.9	9.1	3.1	15.3	9.8
4. EUOR (%)	2.8	2.8	2.9	9.1	3.1	15.3	9.8
5. PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6. SH	723.0	723.0	700.0	677.0	700.0	630.0	7906.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	21.0	21.0	20.0	68.0	20.0	114.0	854.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. FOH & EFOH	21.0	21.0	21.0	20.0	22.0	18.0	236.0
11. MOH & EMOH	0.0	0.0	0.0	48.0	0.0	96.0	624.0
12. Oper MBtu	2213546.0	2214092.0	2136313.0	2060988.0	2135830.0	1908232.0	24050130.0
13. Net Gen (MWH)	217783.0	217858.1	210122.3	202653.7	210074.8	187522.8	2364601.9
14. ANOHR (Btu/KWH)	10164.0	10163.0	10167.0	10170.0	10167.0	10176.0	10171.0
15. NOF %	99.7	99.8	99.4	99.1	99.4	98.6	99.0
16. NPC (MW)	302.0	302.0	302.0	302.0	302.0	302.0	302.0
19. ANOHR Equation	10 ⁶ /AKW * [313.41] +9,123						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

	CRIST 7	Jan '06	Feb '06	Mar '06	Apr '06	May '06	Jun '06	
1.	EAF (%)	93.8	93.8	45.4	43.8	93.7	93.8	
2.	POF (%)	0.0	0.0	45.2	53.3	0.0	0.0	
3.	EUOF (%)	6.2	6.2	9.4	2.9	6.3	6.2	
4.	EUOR (%)	6.2	6.3	17.2	6.3	6.3	6.3	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	698.0	630.0	338.0	315.0	697.0	675.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	46.0	42.0	406.0	404.0	47.0	45.0	
9.	POH	0.0	0.0	336.0	383.0	0.0	0.0	
10.	FOH & EFOH	46.0	42.0	22.0	21.0	47.0	45.0	
11.	MOH & EMOH	0.0	0.0	48.0	0.0	0.0	0.0	
12.	Oper MBtu	2258069.0	2037830.0	1090092.0	1513546.0	3351768.0	3258015.0	
13.	Net Gen (MWH)	209157.9	188757.9	100915.8	148824.6	329606.5	320544.6	
14.	ANOHR (Btu/KWH)	10796.0	10796.0	10802.0	10170.0	10169.0	10164.0	
15.	NOF %	62.8	62.8	62.6	99.0	99.1	99.6	
16.	NPC (MW)	477.0	477.0	477.0	477.0	477.0	477.0	
19.	ANOHR Equation	10 ⁶ / AKW * [512.95] + 9,084						

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GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

CRIST 7	Jul '06	Aug '06	Sep '06	Oct '06	Nov '06	Dec '06	Total
1. EAF (%)	93.7	93.7	93.3	75.6	74.7	75.5	80.8
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	8.2
3. EUOF (%)	6.3	6.3	6.7	24.4	25.3	24.5	11.0
4. EUOR (%)	6.3	6.3	6.7	24.4	25.3	24.5	11.9
5. PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6. SH	697.0	697.0	675.0	563.0	540.0	562.0	7087.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	47.0	47.0	45.0	182.0	180.0	182.0	1673.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	719.0
10. FOH & EFOH	47.0	47.0	48.0	38.0	38.0	38.0	479.0
11. MOH & EMOH	0.0	0.0	0.0	144.0	144.0	144.0	480.0
12. Oper MBtu	3375094.0	3375094.0	3264294.0	2702103.0	2589681.0	2707437.0	31523023.0
13. Net Gen (MWH)	332194.3	332194.3	321225.5	265667.4	254589.2	266322.7	3070000.7
14. ANOHR (Btu/KWH)	10160.0	10160.0	10162.0	10171.0	10172.0	10166.0	10268.0
15. NOF %	99.9	99.9	99.8	98.9	98.8	99.3	90.8
16. NPC (MW)	477.0	477.0	477.0	477.0	477.0	477.0	477.0
19. ANOHR Equation	10 ⁶ /AKW * [512.95] + 9,084						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

	SMITH 1	Jan '06	Feb '06	Mar '06	Apr '06	May '06	Jun '06	
1.	EAF (%)	98.7	95.2	98.8	99.0	98.9	99.0	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	1.3	4.8	1.2	1.0	1.1	1.0	
4.	EUOR (%)	1.3	4.8	1.2	1.0	1.1	1.0	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	736.0	641.0	736.0	712.0	736.0	713.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	8.0	31.0	8.0	7.0	8.0	7.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	10.0	8.0	9.0	7.0	8.0	7.0	
11.	MOH & EMOH	0.0	24.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	1212361.0	1054422.0	1213098.0	1171096.0	1181165.0	1173607.0	
13.	Net Gen (MWH)	119010.6	103486.3	119082.9	114937.3	115709.7	115195.0	
14.	ANOHR (Btu/KWH)	10187.0	10189.0	10187.0	10189.0	10208.0	10188.0	
15.	NOF %	99.8	99.7	99.9	99.6	97.0	99.7	
16.	NPC (MW)	162.0	162.0	162.0	162.0	162.0	162.0	
19.	ANOHR Equation	10% / AKW * [117.29 - 12.42 * AUG - 14.59 * OCT]						
		+ 9,462						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

SMITH 1	Jul '06	Aug '06	Sep '06	Oct '06	Nov '06	Dec '06	Total
1. EAF (%)	98.9	98.9	99.0	92.6	98.9	98.9	98.1
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	1.1	1.1	1.0	7.4	1.1	1.1	1.9
4. EUOR (%)	1.1	1.1	1.0	7.4	1.1	1.1	1.9
5. PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6. SH	736.0	736.0	713.0	690.0	713.0	736.0	8598.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	8.0	8.0	7.0	55.0	7.0	8.0	162.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. FOH & EFOH	8.0	8.0	7.0	7.0	8.0	8.0	95.0
11. MOH & EMOH	0.0	0.0	0.0	48.0	0.0	0.0	72.0
12. Oper MBtu	1213093.0	1204399.0	1171167.0	1119807.0	1171167.0	1207793.0	14093175.0
13. Net Gen (MWH)	119082.5	119129.5	114933.0	110861.0	114933.0	118515.7	1384876.5
14. ANOHR (Btu/KWH)	10187.0	10110.0	10190.0	10101.0	10190.0	10191.0	10176.0
15. NOF %	99.9	99.9	99.5	99.2	99.5	99.4	99.4
16. NPC (MW)	162.0	162.0	162.0	162.0	162.0	162.0	162.0
19. ANOHR Equation	10*6 / AKW * [117.29 - 12.42 * AUG - 14.59 * OCT] + 9,462						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

	SMITH 2	Jan '06	Feb '06	Mar '06	Apr '06	May '06	Jun '06	
1.	EAF (%)	69.5	93.5	81.6	93.6	93.7	93.6	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	30.5	6.5	18.4	6.4	6.3	6.4	
4.	EUOR (%)	30.5	6.5	18.4	6.4	6.3	6.4	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	517.0	630.0	607.0	673.0	697.0	674.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	227.0	42.0	137.0	46.0	47.0	46.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	35.0	44.0	41.0	46.0	47.0	46.0	
11.	MOH & EMOH	192.0	0.0	96.0	0.0	0.0	0.0	
12.	Oper MBtu	986233.0	1214980.0	1120105.0	1330405.0	1311022.0	1301364.0	
13.	Net Gen (MWH)	96349.5	118778.0	113970.8	126983.4	127979.5	127223.0	
14.	ANOHR (Btu/KWH)	10236.0	10229.0	9828.0	10477.0	10244.0	10229.0	
15.	NOF %	98.6	99.8	99.3	99.8	97.2	99.9	
16.	NPC (MW)	189.0	189.0	189.0	189.0	189.0	189.0	
19.	ANOHR Equation	$10^6 / AKW * [105.64 - 75.81 * MAR + 46.86 * APR]$ + 9,669						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

	SMITH 2	Jul '06	Aug '06	Sep '06	Oct '06	Nov '06	Dec '06	Total
1.	EAF (%)	93.7	93.7	90.6	27.2	87.2	93.7	84.1
2.	POF (%)	0.0	0.0	3.3	70.9	0.0	0.0	6.3
3.	EUOF (%)	6.3	6.3	6.1	1.9	12.8	6.3	9.6
4.	EUOR (%)	6.3	6.3	6.3	6.5	12.8	6.3	10.2
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	697.0	697.0	652.0	203.0	630.0	697.0	7374.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	47.0	47.0	68.0	542.0	90.0	47.0	1386.0
9.	POH	0.0	0.0	24.0	528.0	0.0	0.0	552.0
10.	FOH & EFOH	47.0	47.0	44.0	14.0	44.0	47.0	502.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	48.0	0.0	336.0
12.	Oper MBtu	1344043.0	1341859.0	1255959.0	386477.0	1209075.0	1339277.0	14140799.0
13.	Net Gen (MWH)	131395.3	131169.0	122772.1	37753.0	118166.0	130891.0	1383430.6
14.	ANOHR (Btu/KWH)	10229.0	10230.0	10230.0	10237.0	10232.0	10232.0	10222.0
15.	NOF %	99.7	99.6	99.6	98.4	99.2	99.4	99.3
16.	NPC (MW)	189.0	189.0	189.0	189.0	189.0	189.0	189.0
19.	ANOHR Equation	$10\% / AKW * [105.64 - 75.81 * MAR + 46.86 * APR]$ +9,669						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

	DANIEL 1	Jan '06	Feb '06	Mar '06	Apr '06	May '06	Jun '06	
1.	EAF (%)	94.8	97.6	91.4	68.6	98.0	97.9	
2.	POF (%)	0.0	0.0	0.0	30.0	0.0	0.0	
3.	EUOF (%)	5.2	2.4	8.6	1.4	2.0	2.1	
4.	EUOR (%)	5.2	2.4	8.6	2.0	2.0	2.1	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	705.0	658.0	682.0	493.0	729.0	705.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	39.0	14.0	62.0	226.0	15.0	15.0	
9.	POH	0.0	0.0	0.0	216.0	0.0	0.0	
10.	FOH & EFOH	15.0	16.0	16.0	10.0	15.0	15.0	
11.	MOH & EMOH	24.0	0.0	48.0	0.0	0.0	0.0	
12.	Oper MBtu	3685342.0	3444940.0	3565098.0	2612076.0	3766002.0	3691569.0	
13.	Net Gen (MWH)	361308.0	337938.0	348972.0	252740.8	372908.4	362096.0	
14.	ANOHR (Btu/KWH)	10200.0	10194.0	10216.0	10335.0	10099.0	10195.0	
15.	NOF %	99.7	99.9	99.6	99.7	99.5	99.9	
16.	NPC (MW)	514.0	514.0	514.0	514.0	514.0	514.0	
19.	ANOHR Equation	$10^6 / AKW * [2810.38 + 68.52 * APR - 58.18 * MAY - 90.02 * AUG]$ $+ 2,265 + 10^6 / AKW * [-0.1179 * BTU/LB] + 0.00953 * LSRF / AKW$						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

	DANIEL 1	Jul '06	Aug '06	Sep '06	Oct '06	Nov '06	Dec '06	Total
1.	EAF (%)	98.0	98.0	97.9	91.7	97.9	91.7	93.6
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	2.5
3.	EUOF (%)	2.0	2.0	2.1	8.3	2.1	8.3	3.9
4.	EUOR (%)	2.0	2.0	2.1	8.3	2.1	8.3	4.0
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	729.0	729.0	705.0	683.0	705.0	682.0	8205.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	15.0	15.0	15.0	62.0	15.0	62.0	555.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	216.0
10.	FOH & EFOH	15.0	15.0	15.0	14.0	15.0	14.0	175.0
11.	MOH & EMOH	0.0	0.0	0.0	48.0	0.0	48.0	168.0
12.	Oper MBtu	3809477.0	3745537.0	3691207.0	3559863.0	3690120.0	3559863.0	42821094.0
13.	Net Gen (MWH)	373918.0	373918.0	362096.0	348972.0	362096.0	348972.0	4205935.2
14.	ANOHR (Btu/KWH)	10188.0	10017.0	10194.0	10201.0	10191.0	10201.0	10181.0
15.	NOF %	99.8	99.8	99.9	99.4	99.9	99.6	99.7
16.	NPC (MW)	514.0	514.0	514.0	514.0	514.0	514.0	514.0
19.	ANOHR Equation	$10^6 / AKW * [2810.38 + 68.52 * APR - 58.18 * MAY - 90.02 * AUG]$ $+ 2,265 + 10^6 / AKW * [-0.1179 * BTU/LB] + 0.00953 * LSRF / AKW$						

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GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

	DANIEL 2	Jan '06	Feb '06	Mar '06	Apr '06	May '06	Jun '06	
1.	EAF (%)	97.6	97.3	37.8	0.0	75.5	97.5	
2.	POF (%)	0.0	0.0	61.3	100.0	22.6	0.0	
3.	EUOF (%)	2.4	2.7	0.9	0.0	1.9	2.5	
4.	EUOR (%)	2.4	2.7	2.4	0.0	2.4	2.5	
5.	PH	744.0	672.0	744.0	719.0	744.0	720.0	
6.	SH	726.0	655.0	281.0	0.0	562.0	702.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	18.0	17.0	463.0	719.0	182.0	18.0	
9.	POH	0.0	0.0	456.0	719.0	168.0	0.0	
10.	FOH & EFOH	18.0	18.0	7.0	0.0	14.0	18.0	
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	3724202.0	3361675.0	1439978.0	0.0	2874243.0	3647075.0	
13.	Net Gen (MWH)	372383.0	336403.0	143653.0	0.0	286822.0	360561.0	
14.	ANOHR (Btu/KWH)	10001.0	9993.0	10024.0	-	10021.0	10115.0	
15.	NOF %	99.8	99.9	99.5	0.0	99.3	99.9	
16.	NPC (MW)	514.0	514.0	514.0	514.0	514.0	514.0	
19.	ANOHR Equation	$10^6 / AKW * [2174.94 + 62.25 * JUN + 85.53 * JUL - 82.98 * AUG + 86.31 * OCT]$ $+ 8,739 + 10^6 / AKW * [-0.1460 * BTU/LB]$						

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GULF POWER COMPANY

PERIOD OF: January 2006 - December 2006

	DANIEL 2	Jul '06	Aug '06	Sep '06	Oct '06	Nov '06	Dec '06	Total
1.	EAF (%)	97.6	97.6	97.4	91.1	97.2	91.3	81.5
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	15.3
3.	EUOF (%)	2.4	2.4	2.6	8.9	2.8	8.7	3.2
4.	EUOR (%)	2.4	2.4	2.6	8.9	2.8	8.7	3.8
5.	PH	744.0	744.0	720.0	745.0	720.0	744.0	8760.0
6.	SH	726.0	726.0	702.0	680.0	702.0	679.0	7141.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	18.0	18.0	18.0	65.0	18.0	65.0	1619.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	1343.0
10.	FOH & EFOH	18.0	18.0	19.0	18.0	20.0	17.0	185.0
11.	MOH & EMOH	0.0	0.0	0.0	48.0	0.0	48.0	96.0
12.	Oper MBtu	3780805.0	3660525.0	3603086.0	3534936.0	3601964.0	3475830.0	36704319.0
13.	Net Gen (MWH)	372383.0	372383.0	360561.0	347448.0	360557.0	347444.0	3660598.0
14.	ANOHR (Btu/KWH)	10153.0	9830.0	9993.0	10174.0	9990.0	10004.0	10027.0
15.	NOF %	99.8	99.8	99.9	99.4	99.9	99.6	99.7
16.	NPC (MW)	514.0	514.0	514.0	514.0	514.0	514.0	514.0
19.	ANOHR Equation	$10^6 / AKW * [2174.94 + 62.25 * JUN + 85.53 * JUL - 82.98 * AUG + 86.31 * OCT]$ $+ 8,739 + 10^6 / AKW * [-0.1460 * BTU/LB]$						

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Planned Outage Schedules (Estimated)
 Gulf Power Company
 Period of: January 2006 - December 2006

Plant & Unit	Planned Outage Dates	Reason for Outage
Crist 4	01/28/06 - 03/12/06	Turbine and boiler maintenance and inspection.
Crist 5	01/28/06 - 02/19/06	General boiler maintenance and inspection.
Crist 7	03/18/06 - 04/16/06	General and SCR maintenance and inspection.
Smith 2	09/30/06 - 10/22/06	General boiler maintenance and inspection.
Daniel 1	04/15/06 - 04/23/06	General maintenance and inspection.
Daniel 2	03/13/06 - 05/07/06	General boiler maintenance and inspection.

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Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: January 2006 - December 2006

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 2006 - December 2006, the outages shown below are currently planned and could be rescheduled for the target period.

Plant & Unit	Planned Outage Dates	Reason for Outage
	None	

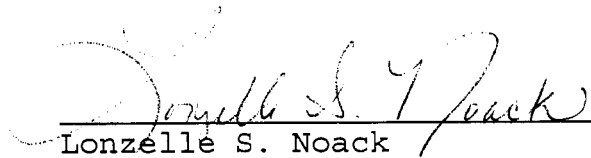
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AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)


Docket No. 050001-EI

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



Lonzelle S. Noack
Power Generation Specialist, Senior

Sworn to and subscribed before me this 14th day of September, 2005.



Notary Public, State of Florida at Large

Commission Number:

Commission Expires:



LINDA C. WEBB
Notary Public-State of FL
Comm. Exp: May 31, 2006
Comm. No: DD 110088