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COMMISSION
CLERK



August 31, 2010

Ms. Ann Cole, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Dear Ms. Cole:

Enclosed for official filing in Docket No. 100001-EI are an original and fifteen copies of the following:

1. The Petition of Gulf Power Company.
2. Prepared direct testimony and exhibit of H. R. Ball.
3. Prepared direct testimony and exhibit of R. W. Dodd.
4. Prepared direct testimony and exhibit of M. A. Young.

Also enclosed is a compact disc containing the Petition in Microsoft Word as prepared on a Windows XP operating system.

Sincerely,

Susan D. Ritenour (sw)

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 RAD 1
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 ADM 1
 OPC 1
 CLK 1

vm
 ICD containing petition in microsoft xp format
 also forwarded.
 Enclosures
 cc w/encl.: Beggs & Lane
 Jeffrey A. Stone, Esq.

CF.RPR

DOCUMENT NUMBER-DAT
 07347 SEP-1 e
 FPSC-COMMISSION CLERK

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: **Fuel and Purchased Power Cost**)
Recovery Clause with Generating)
Performance Incentive Factor)

Docket No.: 100001-EI

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the foregoing was furnished by U.S. Mail this 31st day of August, 2010, on the following:

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: Fuel and Purchased Power Cost)
Recovery Clauses and Generating) Docket No.: 100001-EI
Performance Incentive Factor.) Filed: September 1, 2010
_____)

**PETITION OF GULF POWER COMPANY FOR APPROVAL OF
FINAL FUEL COST TRUE-UP AMOUNTS
FOR JANUARY 2009 THROUGH DECEMBER 2009;
FINAL GPIF ADJUSTMENT
FOR JANUARY 2009 THROUGH DECEMBER 2009;
ESTIMATED FUEL COST TRUE-UP AMOUNTS
FOR JANUARY 2010 THROUGH DECEMBER 2010;
PROJECTED FUEL COST RECOVERY AMOUNTS
FOR JANUARY 2011 THROUGH DECEMBER 2011;
FINAL PURCHASED POWER CAPACITY COST TRUE-UP AMOUNTS
FOR JANUARY 2009 THROUGH DECEMBER 2009;
ESTIMATED PURCHASED POWER CAPACITY COST TRUE-UP AMOUNTS
FOR JANUARY 2010 THROUGH DECEMBER 2010;
PROJECTED PURCHASED POWER CAPACITY COST RECOVERY AMOUNTS
FOR JANUARY 2011 THROUGH DECEMBER 2011;
ESTIMATED AS-AVAILABLE AVOIDED ENERGY COSTS;
GPIF TARGETS AND RANGES FOR JANUARY 2011 THROUGH DECEMBER 2011;
FINANCIAL HEDGING ACTIVITIES AND SETTLEMENTS
FOR AUGUST 2009 THROUGH JULY 2010;
GULF POWER COMPANY'S RISK MANAGEMENT PLAN FOR FUEL PROCUREMENT;
FUEL COST RECOVERY FACTORS TO BE APPLIED BEGINNING WITH THE
PERIOD JANUARY 2011 THROUGH DECEMBER 2011; AND
CAPACITY COST RECOVERY FACTORS TO BE APPLIED BEGINNING WITH THE
PERIOD JANUARY 2011 THROUGH DECEMBER 2011**

Notices and communications with respect to this petition and docket should be addressed to:

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DOCUMENT NUMBER DATE

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FPSC-COMMISSION CLERK

GULF POWER COMPANY (“Gulf Power”, “Gulf”, or “the Company”), by and through its undersigned counsel, hereby petitions this Commission for approval of the Company's (a) final fuel adjustment true-up amounts for the period January 2009 through December 2009; (b) final GPIF adjustment; (c) estimated fuel cost true-up amounts for the period January 2010 through December 2010; (d) projected fuel cost recovery amounts for the period January 2011 through December 2011; (e) final purchased power capacity cost true-up amounts for the period January 2009 through December 2009; (f) estimated purchased power capacity cost true-up amounts for the period January 2010 through December 2010; (g) projected purchased power capacity cost recovery amounts for the period January 2011 through December 2011; (h) estimated as-available avoided energy costs for qualifying facilities (QF's); (i) GPIF targets and ranges for January 2011 through December 2011; (j) financial hedging activities and settlements for August 2009 through July 2010; (k) Gulf Power Company's Risk Management Plan; (l) fuel cost recovery factors to be applied beginning with the period January 2011 through December 2011; and (m) capacity cost recovery factors to be applied beginning with the period January 2011 through December 2011.

As grounds for the relief requested by this petition, the Company would respectfully show:

FINAL FUEL ADJUSTMENT TRUE-UP

(1) By vote of the Commission at the November 2009 hearings, estimated fuel true-up amounts were approved by the Commission, subject to establishing the final fuel true-up amounts. According to the data filed by Gulf for the period ending December 31, 2009, the actual fuel true-up amount for the subject twelve months should be an over recovery of

\$47,374,296 instead of the estimated over recovery of \$36,414,908 as approved previously by this Commission. The difference between these two amounts, \$9,959,388, is submitted for approval by the Commission to be refunded in the next period. The supporting data has been prepared in accordance with the uniform system of accounts as applicable to the Company's fuel cost procedures and fairly presents the Company's fuel and purchased energy expenses for the period. Amounts spent by the Company for fuel and purchased energy are reasonable and prudent, and the Company makes every effort to secure the most favorable price for all of the fuel it purchases and for its energy purchases.

GPIF ADJUSTMENT

(2) On April 1, 2010, Gulf filed the testimony and exhibit of M. A. Young containing the Company's actual operating results for the period January 2009 through December 2009. Based on the actual operating results for the period January 2009 through December 2009, Gulf should receive a reward in the amount of \$88,250. The methodology used by Gulf in determining the various factors required to compute the GPIF is in accordance with the requirements of the Commission.

ESTIMATED FUEL COST TRUE-UP

(3) Gulf has calculated its estimated fuel cost true-up amount for the period January 2010 through December 2010. Based on six months actual experience and six months projected data, the Company's estimated fuel cost true-up amount for the current period (January 2010 through December 2010) is an under recovery of \$23,786,207. The supporting data is provided in the testimony and schedules of R. W. Dodd filed herewith. The estimated fuel cost true-up for

the current period is combined with the net final fuel adjustment true-up for the period ending December 2009 to reach the total fuel cost true-up to be addressed in the factors for the next fuel cost recovery period. The proposed fuel cost recovery factors reflect the collection of this total true-up amount, \$13,826,819, during the period of January 2011 through December 2011.

PROJECTED FUEL COST RECOVERY AMOUNTS

(4) Gulf has calculated its projected fuel cost recovery amounts for the months January 2011 through December 2011 for fuel and purchased energy in accordance with the procedures set out in this Commission's Orders Nos. 6357, 7890, 7501, and 9273 of Docket No. 74680-EI and with the orders entered in this ongoing cost recovery docket. The computations thereof are attached as Schedule E-1 of the exhibit to the testimony of R. W. Dodd filed herewith. The supporting data prepared in accordance with the Commission Staff's suggested procedures and format is attached as Schedules E-1 through E-11, and H-1 of the exhibit to the testimony of R.W. Dodd filed herewith. Said schedules are by reference made a part hereof. The proposed amounts and supporting data have been prepared in accordance with the uniform system of accounts as applicable to the Company's fuel cost projection procedures and fairly present the Company's best estimate of fuel and purchased energy expense for the projected period. Amounts projected by the Company for fuel and purchased energy are reasonable and prudent, and the Company continues to make every effort to secure the most favorable price for all of the fuel it purchases and for its purchased energy.

FINAL PURCHASED POWER CAPACITY COST TRUE-UP

(5) By vote of the Commission at the November 2009 hearings, estimated purchased power capacity cost true-up amounts were approved by the Commission, subject to establishing the final purchased power capacity cost true-up amounts. According to the data filed by Gulf for the twelve-month period ending December 2009, the final purchased power capacity cost true-up amount for the subject twelve months should be an actual over recovery of \$830,646 instead of the estimated under recovery of \$1,787,568 as approved previously by this Commission. The difference between these two amounts, \$2,618,214, is submitted for approval by the Commission to be refunded in the next period. The supporting data has been prepared in accordance with the uniform system of accounts and fairly presents the Company's purchased power capacity expenses for the period. Amounts spent by the Company for purchased power capacity are reasonable and prudent, and in the best long-term interests of Gulf's general body of ratepayers.

ESTIMATED PURCHASED POWER CAPACITY COST TRUE-UP

(6) Gulf has calculated its estimated purchased power capacity cost true-up amount for the period January 2010 through December 2010. Based on six months actual and six months projected data, the Company's estimated capacity cost true-up amount for the current period is an over recovery of \$545,466. The net estimated capacity cost true-up for the current period is combined with the net final capacity cost true-up for the period ending December 2009 to reach the total capacity cost true-up to be addressed in the factors for the next cost recovery period. The proposed capacity cost recovery factors reflect the refund of this total capacity cost true-up amount, \$3,163,680, during the period of January 2011 through December 2011.

PROJECTED PURCHASED POWER CAPACITY COST RECOVERY AMOUNTS

(7) Gulf has calculated its projected purchased power capacity cost recovery amounts for the months January 2011 through December 2011 in accordance with the procedures set out in Order No. 25773, Order No. PSC-93-0047-FOF-EI and Order No. PSC-99-2512-FOF-EI. The proposed factors reflect the recovery of the net capacity cost recovery amount of \$45,129,549 projected for the period January 2011 through December 2011.

The computations and supporting data for the Company's purchased power capacity cost recovery factors are set forth on Schedules CCE-1 (including CCE-1A and CCE-1B), CCE-2 and CCE-4 attached as part of the exhibit to the testimony of R. W. Dodd filed herewith. Additional supporting data for the purchased power capacity cost recovery factors is provided in the testimony and exhibit of H. R. Ball also filed herewith. The methodology used by Gulf in determining the amounts to include in these factors and the allocation to rate classes, based 12/13th on demand and 1/13th on energy, is in accordance with the requirements of the Commission as set forth in Order No. 25773. The amounts included in the factors for this projection period are based on reasonable projections of the capacity transactions that are expected to occur during the period January 2011 through December 2011. The proposed factors and supporting data have been prepared in accordance with the uniform system of accounts and fairly present the Company's best estimate of purchased power capacity costs for the projected period. Amounts projected by the Company for purchased power capacity are reasonable and prudent, and in the best long-term interests of Gulf's general body of ratepayers.

ESTIMATED AS-AVAILABLE AVOIDED ENERGY COSTS

(8) Pursuant to Order 13247 (entered May 1, 1984) in Docket No. 830377-EI and

Order No. 19548 (entered June 21, 1988) in Docket No. 880001-EI, Gulf has calculated estimates of as-available avoided energy costs for QF's in accordance with the procedures required in said orders. The resultant costs are attached to the testimony of R. W. Dodd as Schedule E-11 and by reference made a part hereof. Gulf Power requests that the Commission approve the estimates for these costs set forth on Schedule E-11.

GPIF TARGETS AND RANGES

(9) Gulf also seeks approval of the GPIF targets and ranges for the period January 2011 through December 2011 set forth below:

Unit	EAF	POF	EUOF	Heat Rate
Crist 4	97.5	0.0	2.5	11,038
Crist 5	81.2	15.9	2.9	11,135
Crist 6	71.8	23.6	4.7	11,121
Crist 7	82.5	8.2	9.3	10,650
Smith 1	88.5	6.3	5.2	10,457
Smith 2	95.4	0.0	4.7	10,426
Daniel 1	94.0	0.0	6.0	10,518
Daniel 2	77.0	17.3	5.8	10,417
EAF = Equivalent Availability Factor (%) POF = Planned Outage Factor (%) EUOF = Equivalent Unplanned Outage Factor (%)				

HEDGING ACTIVITIES AND SETTLEMENTS

(10) As demonstrated in Schedule 5 filed as part of Exhibit HRB-1 to the testimony of H.R. Ball on March 12, 2010 and the Hedging Information Report filed on August 16, 2010 and incorporated by reference as Exhibit HRB-3 to the testimony of H.R. Ball filed September 1, 2010, Gulf experienced a net loss of \$30,952,712 associated with its natural gas hedging transactions effected between August 1, 2009 and July 31, 2010. Pursuant to Order No. PSC-08-0316-PAA-EI, Gulf Power requests that the Commission find that its hedging transactions for the period August 1, 2009 through July 31, 2010 are prudent.

GULF POWER COMPANY'S RISK MANAGEMENT PLAN FOR FUEL

PROCUREMENT

(11) Gulf Power hereby requests that the Commission approve its Risk Management Plan for Fuel Procurement dated August 2, 2010.

FUEL COST RECOVERY FACTORS

(12) The proposed levelized fuel and purchased energy cost recovery factor, including GPIF and True-Up, herein requested is 5.104 ¢/KWH. The proposed factors by rate schedule are:

Group	Rate Schedules*	Line Loss Multipliers	Fuel Cost Factors ¢/KWH		
			Standard	Time of Use	
				On-Peak	Off-Peak
A	RS, RSVP, GS, GSD, GSDT, GSTOU, SBS, OSIII	1.00525921	5.131	6.013	4.762
B	LP, LPT, SBS	0.98890061	5.047	5.916	4.684
C	PX, PXT, RTP, SBS	0.98062822	5.005	5.866	4.645
D	OSI/II	1.00529485	5.081	N/A	N/A

*The recovery factor applicable to customers taking service under Rate Schedule SBS is determined as follows: customers with a Contract Demand in the range of 100 to 499 KW will use the recovery factor applicable to Rate Schedule GSD; customers with a Contract Demand in the range of 500 to 7,499 KW will use the recovery factor applicable to Rate Schedule LP; and customers with a Contract Demand over 7,499 KW will use the recovery factor applicable to Rate Schedule PX.

CAPACITY COST RECOVERY FACTORS

(13) The proposed purchased power capacity cost recovery factors by rate class herein requested, including true-up, are:

RATE CLASS	CAPACITY COST RECOVERY FACTORS ¢/KWH
RS, RSVP	0.476
GS	0.434
GSD, GSDT, GSTOU	0.376
LP, LPT	0.328
PX, PXT, RTP, SBS	0.292
OS-I/II	0.174
OSIII	0.282

WHEREFORE, Gulf Power Company respectfully requests the Commission to approve the final fuel adjustment true-up for the period January 2009 through December 2009; the GPIF adjustment for the period January 2009 through December 2009; the estimated fuel cost true-up for the period January 2010 through December 2010; the projected fuel cost recovery amount for the period January 2011 through December 2011; the final purchased power capacity cost true-up amount for the period January 2009 through December 2009; the estimated purchased power capacity cost recovery true-up amount for the period January 2010 through December 2010; the projected purchased power capacity cost recovery amount for the period January 2011 through December 2011; the estimated as-available avoided energy costs for QF's; the GPIF targets and ranges for the period January 2011 through December 2011; the financial hedging activities and settlements for the period August 2009 through July 2010; Gulf Power Company's Risk Management Plan for Fuel Procurement; the fuel cost recovery factors to be applied beginning with the period January 2011 through December 2011; and the capacity cost recovery factors to be applied beginning with the period January 2011 through December 2011.

Dated the 31st day of August, 2010.



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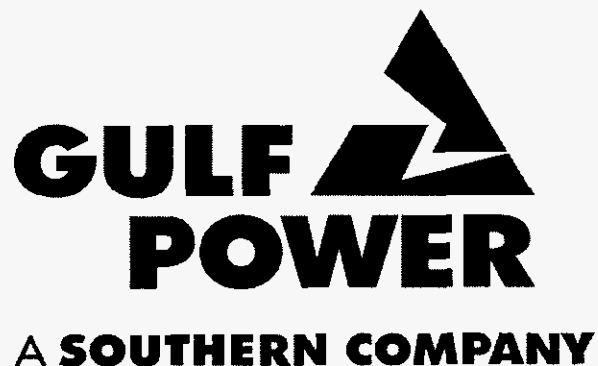
BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

Docket No. 100001-EI

**Prepared Direct Testimony and
Exhibits of**

H. R. Ball

Date of Filing: September 1, 2010



DOCUMENT NUMBER-DATE
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1 GULF POWER COMPANY

2 Before the Florida Public Service Commission

3 Prepared Direct Testimony and Exhibit of

4 H. R. Ball

5 Docket No. 100001-EI

6 Date of Filing: September 1, 2010

7 Q. Please state your name and business address.

8 A. My name is H. R. Ball. My business address is One Energy Place,
9 Pensacola, Florida 32520-0335. I am the Fuel Manager for Gulf Power
10 Company.

11
12 Q. Please briefly describe your educational background and business
13 experience.

14 A. I graduated from the University of Southern Mississippi in Hattiesburg,
15 Mississippi in 1978 with a Bachelor of Science Degree in Chemistry and
16 graduated from the University of Southern Mississippi in Long Beach,
17 Mississippi in 1988 with a Masters of Business Administration. My
18 employment with the Southern Company began in 1978 at Mississippi
19 Power's (MPC) Plant Daniel as a Plant Chemist. In 1982, I transferred to
20 MPC's Fuel Department as a Fuel Business Analyst. I was promoted in
21 1987 to Supervisor of Chemistry and Regulatory Compliance at Plant
22 Daniel. In 1988, I assumed the role of Supervisor of Coal Logistics with
23 Southern Company Fuel Services in Birmingham, Alabama. My
24 responsibilities included administering coal supply and transportation
25 agreements and managing the coal inventory program for the Southern

1 electric system. I transferred to my current position as Fuel Manager for
2 Gulf Power Company in 2003.

3
4 Q. What are your duties as Fuel Manager for Gulf Power Company?

5 A. My responsibilities include the management of the Company's fuel
6 procurement, inventory, transportation, budgeting, contract administration,
7 and quality assurance programs to ensure that the generating plants
8 operated by Gulf Power are supplied with an adequate quantity of fuel in a
9 timely manner and at the lowest practical cost. I also have responsibility
10 for the administration of Gulf's Intercompany Interchange Contract (IIC).

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

13 A. The purpose of my testimony is to support Gulf Power Company's
14 projection of fuel expenses, net power transaction expense, and
15 purchased power capacity costs for the period January 1, 2011 through
16 December 31, 2011. It is also my intent to be available to answer
17 questions that may arise among the parties to this docket concerning Gulf
18 Power Company's fuel and net power transaction expenses and
19 purchased power capacity costs.

20
21 Q. Have you prepared any exhibits that contain information to which you will
22 refer in your testimony?

23 A. Yes, I have three separate exhibits I am sponsoring as part of this
24 testimony. My first exhibit (HRB-2) consists of a schedule filed as an
25 attachment to my pre-filed testimony that compares actual and projected

1 fuel cost of net generation for the past ten years. The purpose of this
2 exhibit is to indicate the accuracy of Gulf's short-term fuel expense
3 projections. The second exhibit (HRB-3) I am sponsoring as part of this
4 testimony is Gulf Power Company's Hedging Information Report filed with
5 the Commission Clerk on August 16, 2010 and assigned Document
6 Number DN 06783-10 (redacted) and 06782-10 (confidential information).
7 The purpose of this second exhibit is to comply with Order No. PSC-08-
8 0316-PAA-EI and details Gulf Power's natural gas hedging transactions
9 for January through July 2010. The third exhibit (HRB-4) I am sponsoring
10 is Gulf Power Company's "Risk Management Plan for Fuel Procurement"
11 filed with the Commission Clerk pursuant to a separate request for
12 confidential classification on August 2, 2010 and assigned Document
13 Number DN 06262-10 (redacted) and 06265-10 (confidential information).
14 The risk management plan sets forth Gulf Power's fuel procurement
15 strategy and related hedging plan for the upcoming calendar year.
16 Through its petition in this docket, Gulf Power is seeking the
17 Commission's approval of the Company's "Risk Management Plan for
18 Fuel Procurement" as part of this proceeding.

19 Counsel: We ask that Mr. Ball's three exhibits as just described
20 be marked for identification as Exhibit Nos. _____ (HRB-2),
21 _____ (HRB-3), and _____ (HRB-4) respectively.
22
23
24
25

1 Q. Has Gulf Power Company made any significant changes to its methods for
2 projecting fuel expenses, net power transaction expense, and purchased
3 power capacity costs for this period?

4 A. No. Gulf has been consistent in how it projects annual fuel expenses, net
5 power transactions, and capacity costs.

6
7 Q. What is Gulf's projected recoverable total fuel and net power transactions
8 cost for the January 2011 through December 2011 recovery period?

9 A. Gulf's projected total fuel and net power transaction cost for the period is
10 \$574,403,797. This projected amount is captured in the exhibit to Witness
11 Dodd's testimony, Schedule E-1, line 19.

12
13 Q. How does the total projected fuel and net power transactions cost for the
14 2011 period compare to the updated projection of fuel cost for the same
15 period in 2010?

16 A. The total updated cost of fuel and net power transactions for 2010,
17 reflected on Schedule E-1B-1 line 22 of Witness Dodd's testimony filed in
18 this docket on August 2, 2010, is projected to be \$627,549,920. The
19 projected total cost of fuel and net power transactions for the 2011 period
20 reflects a decrease of \$53,146,123 or 8.47% over the same period in
21 2010. On a fuel cost per KWH basis, the 2010 projected cost is 5.0998
22 cents per KWH and the 2011 projected fuel cost is 4.6847 cents per KWH,
23 a decrease of 0.4151 cents per KWH or 8.14%.

24
25

1 Q. What is Gulf's projected recoverable fuel cost of net generation for the
2 period?

3 A. The projected total cost of fuel to meet system net generation needs in
4 2011 is \$621,972,069. The projection of fuel cost of system net
5 generation for 2011 is captured in the exhibit to Witness Dodd's testimony,
6 Schedule E-1, line 1.

7

8 Q. How does the total projected fuel cost of net generation for the 2011
9 period compare to the updated projection of fuel cost for the same period
10 in 2010?

11 A. The total updated cost of fuel to meet 2010 system net generation needs,
12 reflected on Schedule E-1B-1, line 1 of Witness Dodd's testimony filed in
13 this docket on August 2, 2010, is projected to be \$623,052,860. The
14 projected total cost of fuel to meet system net generation needs for the
15 2011 period reflects a decrease of \$1,080,791 or 0.17% over the same
16 period in 2010. Total system net generation in 2011 is projected to be
17 13,244,806,000 KWH, which is 729,207,000 KWH or 5.83% higher than is
18 currently projected for 2010. On a fuel cost per KWH basis, the 2010
19 projected cost is 4.9782 cents per KWH and the 2011 projected fuel cost
20 is 4.6960 cents per KWH, a decrease of 0.2822 cents per KWH or 5.67%.
21 This lower projected total fuel expense and average per unit fuel cost is
22 the result of a lower cost of coal for the period. Weighted average coal
23 price including boiler lighter fuel for 2010 as reflected on Schedule E-3,
24 line 32 of Witness Dodd's testimony filed in this docket on August 2, 2010,
25 is projected to be 4.91 \$/MMBTU. Weighted average coal price including

1 boiler lighter fuel for 2011, as reflected on Schedule E-3, line 32 of the
2 exhibit to Witness Dodd's testimony, is projected to be 4.58 \$/MMBTU.
3 This reflects a cost decrease of 0.33 \$/MMBTU or 6.72%. Several of
4 Gulf's coal supply agreements will expire at the end of 2010 and these are
5 being replaced with lower priced coal supply agreements that have two
6 year terms expiring at the end of 2012. Gulf's coal supply agreements
7 have firm price and quantity commitments with the contract coal suppliers
8 and these agreements will cover the majority of Gulf's 2011 projected coal
9 burn needs. Weighted average natural gas price for 2010, as reflected on
10 Schedule E-3, line 33 of the exhibit to Witness Dodd's testimony filed in
11 this docket on August 2, 2010, is projected to be 5.08 \$/MMBTU.
12 Weighted average natural gas price for 2011, as reflected on Schedule E-
13 3, line 33 of the exhibit to Witness Dodd's testimony, is projected to be
14 6.02 \$/MMBTU. This is an increase in price of 0.94 \$/MMBTU or 18.50%
15 and reflects forecasted higher market prices for natural gas in 2011. The
16 projected cost of landfill gas to supply the Perdido Landfill Gas to Energy
17 Facility reflects a full year of plant operation for the first time in the 2011
18 projection period. The generating plant is scheduled to begin operation in
19 September 2010. The total projected cost for landfill gas in 2011 is
20 \$638,895 and the total facility generation is projected to be 25,363,000
21 KWH. The average rate, as reflected on Schedule E-3, line 42 of the
22 exhibit to Witness Dodd's testimony, is projected to be 2.52 cents per
23 KWH.

1 Q. Does the 2011 projection of fuel cost of net generation reflect any major
2 changes in Gulf's fuel procurement program for this period?

3 A. No. As in the past, Gulf's coal requirements are purchased in the market
4 through the Request for Proposal (RFP) process that has been used for
5 many years by Southern Company Services - Fuel Services as agent for
6 Gulf. Coal will be delivered under both existing and new negotiated coal
7 transportation contracts. Natural gas requirements will be purchased from
8 various suppliers using firm quantity agreements with market pricing for
9 base needs and on the daily spot market when necessary. Natural gas
10 transportation will be secured using a combination of firm and spot
11 transportation agreements. Details of Gulf's fuel procurement strategy are
12 included in the "Risk Management Plan for Fuel Procurement" filed as
13 exhibit _____ (HRB-4) to this testimony.

14
15 Q. What actions does Gulf take to procure natural gas and natural gas
16 transportation for its units at competitive prices for both long-term and
17 short-term deliveries?

18 A. Gulf procures natural gas using both long and short-term agreements for
19 gas supply at market-based prices. Gulf secures gas transportation for
20 non-peaking units using long-term agreements for firm transportation
21 capacity and for peaking units using interruptible transportation, released
22 seasonal firm transportation, or delivered natural gas agreements.

23
24
25

1 Q. What fuel price hedging programs will be utilized by Gulf to protect the
2 customer from fuel price volatility?

3 A. As detailed in Gulf's "Risk Management Plan for Fuel Procurement",
4 natural gas prices will be hedged financially using instruments that
5 conform to Gulf's established guidelines for hedging activity. Coal supply
6 and transportation prices will be hedged physically using term agreements
7 with either fixed pricing or term pricing with escalation terms tied to various
8 published market price indexes. Gulf's "Risk Management Plan for Fuel
9 Procurement" is a reasonable and appropriate strategy for protecting the
10 customer from fuel price volatility while maintaining a reliable supply of
11 fuel for the operation of its electric generating resources.

12
13 Q. What are the results of Gulf's fuel price hedging program for the period
14 January 2010 through July 2010?

15 A. Gulf's coal price hedging program has successfully managed the price it
16 pays for coal under its coal supply agreements for this period. Gulf has
17 also had financial hedges in place during the period to hedge the price of
18 natural gas. These financial hedges have been effective in fixing the price
19 of a percentage of Gulf's gas burn during the period. Pursuant to Order
20 No. PSC-08-0316-PAA-EI, Gulf filed a "Hedging Information Report" with
21 the Commission on August 16, 2010 detailing its natural gas hedging
22 transactions for January 2010 through July 2010. As noted earlier, I am
23 sponsoring this report as exhibit _____ (HRB-3) to my testimony in this
24 docket.

25

1 Q. Has Gulf adequately mitigated the price risk of natural gas and purchased
2 power for 2010 through 2011?

3 A. Gulf has adequate natural gas financial hedges in place for 2010 to
4 mitigate price risk. Gulf currently has natural gas hedges in place for 2011
5 and continues to look for opportunities to enter into financial hedges that
6 we believe will provide price stability to the customer and protect against
7 unanticipated dramatic price increases in the natural gas market.

8
9 Q. Should recent changes in the market price for natural gas impact the
10 percentage of Gulf's natural gas requirements that Gulf plans to hedge?

11 A. Gulf has a disciplined process in place to evaluate the benefits of gas
12 hedging transactions prior to entering into financial hedges that consider
13 both market price and anticipated burn. The focus of this process is to
14 mitigate the price volatility and risk of natural gas purchases for the
15 customer and not to attempt to speculate in the natural gas market. Gulf's
16 current strategy is to have gas hedges in place that do not exceed the
17 anticipated gas burn at its Smith Unit 3 combined cycle plant. Gas burn
18 requirements change as the market price of natural gas changes due to
19 the economic dispatch process utilized by the Southern System
20 generation pool in accordance with the IIC. Typically, as gas prices
21 increase, anticipated gas burn decreases and the percentage of gas
22 requirements that are currently hedged financially increases. Gulf will
23 continue to evaluate the performance of this hedging strategy and will
24 make adjustments within the guidelines of the currently approved hedging
25 program when needed.

1 Q. What is Gulf's projected recoverable fuel cost of power sold for the
2 period?

3 A. Gulf's projected recoverable fuel cost of power sold is \$84,732,000. This
4 projected amount is captured in the exhibit to Witness Dodd's testimony,
5 Schedule E-1, line 17.
6

7 Q. How does the total projected recoverable fuel cost of power sold for the
8 2011 period compare to the projected recoverable fuel cost of power sold
9 for the same period in 2010?

10 A. The total projected recoverable fuel cost of power sold in 2010, reflected
11 on Schedule E-1B-1, line 20 of Witness Dodd's testimony filed in this
12 docket on August 2, 2010, is projected to be \$105,639,729. The projected
13 recoverable fuel cost of power sold in 2011 represents a decreased credit
14 of \$20,907,729 or 19.79%. Total quantity of power sales in 2011 is
15 projected to be 1,963,232,000 KWH, which is 1,236,205,542 KWH or
16 38.64% less than currently projected for 2010. On a fuel cost per KWH
17 basis, the 2010 projected cost is 3.3018 cents per KWH and the 2011
18 projected fuel cost is 4.3159 cents per KWH, which is an increase of
19 1.0141 cents per KWH or 30.71%. This higher total credit to fuel expense
20 from power sales is attributed to a higher fuel reimbursement rate (cents
21 per KWH) for power sales as a result of higher projected market prices for
22 natural gas. Higher fuel costs to operate Gulf's generating fleet are
23 passed on to the purchasers of power and are reflected in the higher fuel
24 cost and gains on power sales.
25

1 Q. What is Gulf's projected total cost of purchased power for the period?

2 A. Gulf's projected recoverable cost for energy purchases is \$34,635,000.

3 This projected amount is captured in the exhibit to Witness Dodd's
4 testimony, Schedule E-1, line 12.

5

6 Q. How does the total projected purchased power cost for the 2011 period
7 compare to the projected purchased power cost for the same period in
8 2010?

9 A. The total updated cost of purchased power to meet 2010 system needs,
10 reflected on Schedule E-1B-1, line 14 of Witness Dodd's testimony filed in
11 this docket on August 2, 2010, is projected to be \$89,981,224. The
12 projected cost of purchased power to meet system needs in 2011 is
13 \$55,346,224 or 61.51% less than is currently projected for 2010. The total
14 quantity of purchased power in 2011 is projected to be 929,227,000 KWH,
15 which is 2,006,709,503 KWH or 68.35% lower than is currently projected
16 for 2010. On a fuel cost per KWH basis, the 2010 projected cost is 3.0648
17 cents per KWH and the 2011 projected fuel cost is 3.7273 cents per KWH,
18 which represents an increase of 0.6625 cents per KWH or 21.62%.

19

20 Q. What is Gulf's projected recoverable capacity payments for the period?

21 A. The total recoverable capacity payments for the period are \$45,129,549.

22 This amount is captured in the exhibit to Witness Dodd's testimony,
23 Schedule CCE-1, line 10. Schedule CCE-4 of Mr. Dodd's testimony lists
24 the long-term power contracts that are included for capacity cost recovery,
25 their associated capacity amounts in megawatts, and the resulting

1 capacity dollar amounts. Also included in Gulf's 2011 projection of
2 capacity cost is revenue produced by a market-based service agreement
3 between the Southern electric system operating companies and South
4 Carolina PSA. This total revenue of \$41,568 is shown on page 2 of
5 Schedule CCE-4, line 33 in the exhibit to Witness Dodd's testimony. The
6 total capacity cost included on Schedule CCE-4 is presented on lines 1
7 and 2 of Schedule CCE-1.

8
9 Q. Have there been any new purchased power agreements entered into by
10 Gulf that impact the total recoverable capacity payments?

11 A. No.

12
13 Q. What are the other projected revenues that Gulf has included in its
14 capacity cost recovery clause for the period?

15 A. Gulf has included an estimate of transmission revenues in the amount of
16 \$253,000 in its capacity cost recovery projection. This amount is captured
17 in the exhibit to Witness Dodd's testimony, Schedule CCE-1, line 3.

18
19 Q. How does the total projected net capacity cost for the 2011 period
20 compare to the current estimated net capacity cost for the same period in
21 2010?

22 A. Gulf's 2011 Projected Jurisdictional Capacity Payments, found in the
23 exhibit to Witness Dodd's testimony, Schedule CCE-1, line 6, is projected
24 to be \$48,260,759. This amount is \$2,011,121 or 4.35% greater than the
25 current estimate of \$46,249,638 (Schedule CCE-1B, line 6) for 2010 that

1 was filed in Mr. Dodd's estimated/actual true-up testimony in this docket
2 on August 2, 2010. This increase is primarily the result of the increase in
3 monthly capacity rates as specified in Gulf's purchase power agreement
4 with Shell Energy North America, L.P.
5

6 Q. Mr. Ball, does this complete your testimony?

7 A. Yes, it does.
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25

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 100001-EI

BEFORE me, the undersigned authority, personally appeared H. R. Ball, who being first duly sworn, deposes and says that he is the Fuel Manager for Gulf Power Company, a Florida corporation, that the foregoing is true and correct to the best of his knowledge, information and belief. He is personally known to me.



H. R. Ball
Fuel Manager

Sworn to and subscribed before me
this 30th day of August, 2010.



Notary Public, State of Florida at Large

(SEAL)



Vickie L. Marchman
COMMISSION #DD866249
EXPIRES: JUN. 26, 2013
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Schedule 1

**GULF POWER COMPANY
PROJECTED VS. ACTUAL FUEL COST OF SYSTEM NET GENERATION**

Cents / KWH Fuel Cost

<u>Period Ending</u>	<u>Projected</u>⁽¹⁾	<u>Actual</u>⁽¹⁾	<u>% Difference</u>⁽¹⁾
December 2000	1.6048	1.6460	2.57
December 2001	1.5782	1.7218	9.10
December 2002	2.0241	2.0505	1.30
December 2003	1.9639	2.1133	7.61
December 2004	2.0936	2.3270	11.15
December 2005	2.6566	2.8817	8.47
December 2006	2.9215	3.0902	5.77
December 2007	3.3156	3.2959	(0.59)
December 2008	3.7567	4.2044	11.92
December 2009	4.5498	4.2774	(5.99)
December 2010	4.9782 ⁽²⁾		
December 2011	4.6960 ⁽³⁾		

(1) Line No. 1 from FPSC Schedule A-1, December, Period To Date

(2) Line No. 1 from FPSC Schedule E-1B-1, 2010 Estimated/Actual True-Up

(3) Line No. 1 from FPSC Schedule E-1, 2011 Projection Filing

Docket No. 100001-EI
2011 Projection Filing
Exhibit HRB-3

Exhibit No. HRB-3, Gulf Power Company's Hedging Information Report was filed with the Commission Clerk on August 16, 2010 and assigned Document Numbers 06783-10 and 06782-10 (confidential).

Docket No. 100001-EI
2011 Projection Filing
Exhibit HRB-4

Exhibit No. HRB-4, Gulf Power Company's Risk Management Plan for Fuel
Procurement was filed with the Commission Clerk on August 2, 2010 and assigned
Document Numbers 06262-10 and 06265-10 (confidential).

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

**FUEL AND PURCHASED POWER COST
RECOVERY CLAUSE**

Docket No. 100001-EI

**PREPARED DIRECT TESTIMONY
AND EXHIBIT OF**

RICHARD W. DODD

PROJECTION FILING FOR THE PERIOD

JANUARY 2011 – DECEMBER 2011

SEPTEMBER 1, 2010



A SOUTHERN COMPANY

DOCUMENT NUMBER-DATE

07347 SEP-10

FPSC-COMMISSION CLERK

1 GULF POWER COMPANY

2 Before the Florida Public Service Commission
3 Prepared Direct Testimony and Exhibit of
4 Richard W. Dodd
5 Docket No. 100001-EI
6 Date of Filing: September 1, 2010

7

8 Q. Please state your name, business address and occupation.

9 A. My name is Richard Dodd. My business address is One Energy Place,
10 Pensacola, Florida 32520-0780. I am the Supervisor of Rates and Regulatory
11 Matters at Gulf Power Company.

12

13 Q. Please briefly describe your educational background and business experience.

14 A. I graduated from the University of West Florida in Pensacola, Florida in 1991 with
15 a Bachelor of Arts Degree in Accounting. I also received a Bachelor of Science
16 Degree in Finance in 1998 from the University of West Florida. I joined Gulf
17 Power in 1987 as a Co-op Accountant and worked in various areas until I joined
18 the Rates and Regulatory Matters area in 1990. After spending one year in the
19 Financial Planning area, I transferred to Georgia Power Company in 1994 where I
20 worked in the Regulatory Accounting department and in 1997 I transferred to
21 Mississippi Power Company where I worked in the Rate and Regulation Planning
22 department for six years followed by one year in Financial Planning. In 2004 I
23 returned to Gulf Power Company working in the General Accounting area as
24 Internal Controls Coordinator.

25

1 In 2007 I was promoted to Internal Controls Supervisor and in July 2008, I
2 assumed my current position in the Rates and Regulatory Matters area.
3 My responsibilities include supervision of tariff administration, cost of service
4 activities, calculation of cost recovery factors, and the regulatory filing function
5 of the Rates and Regulatory Matters Department.

6

7 Q. Have you previously filed testimony before this Commission in this on-going
8 docket?

9 A. Yes.

10

11 Q. What is the purpose of your testimony?

12 A. The purpose of my testimony is to discuss the calculation of Gulf Power's fuel
13 cost recovery factors for the period January 2011 through December 2011. I
14 will also discuss the calculation of the purchased power capacity cost recovery
15 factors for the period January 2011 through December 2011.

16

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

19 A. Yes. My exhibit consists of 15 schedules, each of which was prepared under
20 my direction, supervision, or review.

21

Counsel: We ask that Mr. Dodd's exhibit

22

consisting of 15 schedules,

23

be marked as Exhibit No. _____(RWD-3).

24

25

1 Q. Mr. Dodd, what is the levelized projected fuel factor for the period January
2 2011 through December 2011?

3 A. Gulf has proposed a levelized fuel factor of 5.104¢/kwh. This factor is based
4 on projected fuel and purchased power energy expenses for January 2011
5 through December 2011 and projected kwh sales for the same period, and
6 includes the true-up and GPIF amounts.

7

8 Q. How does the levelized fuel factor for the projection period compare with the
9 levelized fuel factor for the current period?

10 A. The projected levelized fuel factor for 2011 is .239¢/kwh less or 4.47 percent
11 lower than the levelized fuel factor in place January 2010 through December
12 2010.

13

14 Q. Please explain the calculation of the fuel and purchased power expense true-
15 up amount included in the levelized fuel factor for the period January 2011
16 through December 2011.

17 A. As shown on Schedule E-1A of my exhibit, the true-up amount of \$13,826,819
18 to be collected during 2011 includes an estimated under-recovery for the
19 January through December 2010 period of \$23,786,207, plus a final over-
20 recovery for the period January through December 2009 of \$9,959,388. The
21 estimated under-recovery for the January through December 2010 period
22 includes 6 months of actual data and 6 months of estimated data as reflected
23 on Schedule E-1B.

24

25

1 Q. What has been included in this filing to reflect the GPIF reward/penalty for the
2 period of January 2009 through December 2009?

3 A. The GPIF result is shown on Line 31 of Schedule E-1 as an increase of
4 .0008¢/kwh to the levelized fuel factor, thereby rewarding Gulf \$88,250.
5

6 Q. What is the appropriate revenue tax factor to be applied in calculating the
7 levelized fuel factor?

8 A. A revenue tax factor of 1.00072 has been applied to all jurisdictional fuel costs
9 as shown on Line 29 of Schedule E-1.
10

11 Q. Mr. Dodd, how were the line loss multipliers used on Schedule E-1E
12 calculated?

13 A. The line loss multipliers were calculated in accordance with procedures
14 approved in prior filings and were based on Gulf's latest mwh Load Flow
15 Allocators.
16

17 Q. Mr. Dodd, what fuel factor does Gulf propose for its largest group of customers
18 (Group A), those on Rate Schedules RS, GS, GSD, and OSIII?

19 A. Gulf proposes a standard fuel factor, adjusted for line losses, of 5.131¢/kwh
20 for Group A. Fuel factors for Groups A, B, C, and D are shown on Schedule
21 E-1E. These factors have all been adjusted for line losses.
22

23 Q. Mr. Dodd, how were the time-of-use fuel factors calculated?

24 A. The time-of-use fuel factors were calculated based on projected loads and
25 system lambdas for the period January 2011 through December 2011. These

1 factors included the GPIF and true-up and were adjusted for line losses.

2 These time-of-use fuel factors are also shown on Schedule E-1E.

3

4 Q. How does the proposed fuel factor for Rate Schedule RS compare with the
5 factor applicable to December 2010 and how would the change affect the cost
6 of 1,000 kwh on Gulf's residential rate RS?

7 A. The current fuel factor for Rate Schedule RS applicable through December
8 2010 is 5.371¢/kwh compared with the proposed factor of 5.131¢/kwh. For a
9 residential customer who uses 1,000 kwh in January 2011, the fuel portion of
10 the bill would decrease from \$53.71 to \$51.31.

11

12 Q. Has Gulf updated its estimates of the as-available avoided energy costs to be
13 shown on COG1 as required by Order No. 13247 issued May 1, 1984, in
14 Docket No. 830377-EI and Order No. 19548 issued June 21, 1988, in Docket
15 No. 880001-EI?

16 A. Yes. A tabulation of these costs is set forth in Schedule E-11 of my exhibit.
17 These costs represent the estimated averages for the period from January
18 2011 through December 2011.

19

20 Q. What amount have you calculated to be the appropriate benchmark level for
21 calendar year 2011 gains on non-separated wholesale energy sales eligible
22 for a shareholder incentive?

23 A. In accordance with Order No. PSC-00-1744-AAA-EI, a benchmark level of
24 \$1,017,585 has been calculated for 2011 as follows:

25

1	2008 actual gains	1,228,671
2	2009 actual gains	982,077
3	2010 estimated gains	<u>842,007</u>
4	Three-Year Average	<u>\$1,017,585</u>

5 This amount represents the minimum projected threshold for 2011 that must
6 be achieved before shareholders may receive any incentive. As demonstrated
7 on Schedule E-6, page 2 of 2, Gulf's projection reflects a credit to customers
8 of 100 percent of the gains on non-separated sales for 2011 for the months of
9 January through December.

10

11 Q. You stated earlier that you are responsible for the calculation of the purchased
12 power capacity cost (PPCC) recovery factors. Which schedules of your exhibit
13 relate to the calculation of these factors?

14 A. Schedule CCE-1, including CCE-1A and CCE-1B, Schedule CCE-2, and
15 Schedule CCE-4 of my exhibit relate to the calculation of the PPCC recovery
16 factors for the period January 2011 through December 2011.

17

18 Q. Please describe Schedule CCE-1 of your exhibit.

19 A. Schedule CCE-1 shows the calculation of the amount of capacity payments to
20 be recovered through the PPCC Recovery Clause. Mr. Ball has provided me
21 with Gulf's projected purchased power capacity transactions. Gulf's total
22 projected net capacity expense, which includes a credit for transmission
23 revenue, for the period January 2011 through December 2011 is \$50,039,244.
24 The jurisdictional amount is \$48,260,759. This amount is added to the total

25

1 true-up amount to determine the total purchased power capacity transactions
2 that would be recovered in the period.

3

4 Q. What methodology was used to allocate the capacity payments by rate class?

5 A. As required by Commission Order No. 25773 in Docket No. 910794-EQ, the
6 revenue requirements have been allocated using the cost of service
7 methodology used in Gulf's last rate case and approved by the Commission in
8 Order No. PSC-02-0787-FOF-EI issued June 10, 2002, in Docket No. 010949-
9 EI. For purposes of the PPCC Recovery Clause, Gulf has allocated the net
10 purchased power capacity costs by rate class with 12/13th on demand and
11 1/13th on energy. This allocation is consistent with the treatment accorded to
12 production plant in the cost of service study used in Gulf's last rate case.

13

14 Q. How were the allocation factors calculated for use in the PPCC Recovery
15 Clause?

16 A. The allocation factors used in the PPCC Recovery Clause have been
17 calculated using the 2009 load data filed with the Commission in accordance
18 with FPSC Rule 25-6.0437. The calculations of the allocation factors are
19 shown in columns A through I on page 1 of Schedule CCE-2.

20

21 Q. Please describe the calculation of the ¢/kwh factors by rate class used to
22 recover purchased power capacity costs.

23 A. As shown in columns A through D on page 2 of Schedule CCE-2, 12/13th of
24 the jurisdictional capacity cost to be recovered is allocated by rate class based
25 on the demand allocator. The remaining 1/13th is allocated based on energy.

1 The total revenue requirement assigned to each rate class shown in column E
2 is then divided by that class's projected kwh sales for the twelve-month period
3 to calculate the PPCC recovery factor. This factor would be applied to each
4 customer's total kwh to calculate the amount to be billed each month.

5

6 Q. What is the amount related to purchased power capacity costs recovered
7 through this factor that will be included on a residential customer's bill for
8 1,000 kwh?

9 A. The purchased power capacity costs recovered through the clause for a
10 residential customer who uses 1,000 kwh will be \$4.76.

11

12 Q. When does Gulf propose to collect these new fuel charges and purchased
13 power capacity charges?

14 A. The fuel and capacity factors will be effective beginning with Cycle 1 billings in
15 January 2011 and continuing through the last billing cycle of December 2011.

16 Q. Mr. Dodd, does this conclude your testimony?

17 A. Yes.

18

19

20

21

22

23

24

25

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 100001-EI

BEFORE me, the undersigned authority, personally appeared Richard W. Dodd, who being first duly sworn, deposes and says that he is the Supervisor of Rates and Regulatory Matters at Gulf Power Company, a Florida corporation, that the foregoing is true and correct to the best of his knowledge, information and belief. He is personally known to me.



Richard W. Dodd
Supervisor of Rates and Regulatory Matters

Sworn to and subscribed before me
this 30th day of August, 2010.



Notary Public, State of Florida at Large

(SEAL)



Vickie L. Marchman
COMMISSION # DD866249
EXPIRES: JUN. 26, 2013
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SCHEDULE E-1

**FUEL AND PURCHASED POWER
 COST RECOVERY CLAUSE CALCULATION
 GULF POWER COMPANY
 PROPOSED FOR THE PERIOD: JANUARY 2011 - DECEMBER 2011**

Line			(a) \$	(b) KWH	(c) ¢ / KWH
1	Fuel Cost of System Net Generation	E-3	621,972,069	13,244,806,000	4.6960
2	Coal Car Investment				
3	Other Generation	E-3	2,528,728	50,524,000	5.0050
4	Hedging Settlement	E-2			
5	Total Cost of Generated Power	(Line 1 - 4)	<u>624,500,797</u>	<u>13,295,330,000</u>	<u>4.6971</u>
6	Fuel Cost of Purchased Power (Exclusive of Economy)	E-7			
7	Energy Cost of Schedule C & X Econ. Purch.	E-9			
8	Energy Cost of Other Econ. Purch. (Nonbroker)	E-9	34,635,000	929,227,000	3.7273
9	Energy Cost of Schedule E Economy Purch.	E-9			
10	Capacity Cost of Schedule E Economy Purchases	E-2			
11	Energy Payments to Qualifying Facilities	E-8			
12	Total Cost of Purchased Power	(Line 6 - 11)	<u>34,635,000</u>	<u>929,227,000</u>	<u>3.7273</u>
13	Total Available KWH	(Line 5 + 12)		<u>14,224,557,000</u>	
14	Fuel Cost of Economy Sales	E-6	(6,505,000)	(163,605,000)	3.9760
15	Gain on Economy Sales	E-6	(961,000)	0	N/A
16	Fuel Cost of Other Power Sales	E-6	(77,266,000)	(1,799,627,000)	4.2934
17	Total Fuel Cost & Gains on Power Sales	(Line 14 -16)	<u>(84,732,000)</u>	<u>(1,963,232,000)</u>	<u>4.3159</u>
18	Net Inadvertant Interchange				
19	Total Fuel & Net Power Trans.	(Line 5+12+17+18)	<u>574,403,797</u>	<u>12,261,325,000</u>	<u>4.6847</u>
20	Net Unbilled Sales *				
21	Company Use *		1,024,169	21,862,000	4.6847
22	T & D Losses *		<u>32,170,210</u>	<u>686,708,000</u>	<u>4.6847</u>
23	System KWH Sales		574,403,797	11,552,755,000	4.9720
24	Wholesale KWH Sales		18,120,553	364,452,000	4.9720
25	Jurisdictional KWH Sales		<u>556,283,244</u>	<u>11,188,303,000</u>	<u>4.9720</u>
25a	Jurisdictional Line Loss Multiplier		1.0007		1.0007
26	Jurisdictional KWH Sales Adjusted for Line Losses		<u>556,672,642</u>	<u>11,188,303,000</u>	<u>4.9755</u>
27	True-Up **		13,826,819	11,188,303,000	0.1236
28	Total Jurisdictional Fuel Cost		<u>570,499,461</u>	<u>11,188,303,000</u>	<u>5.0991</u>
29	Revenue Tax Factor				<u>1.00072</u>
30	Fuel Factor Adjusted For Revenue Taxes		570,910,221	11,188,303,000	5.1027
31	GPIF Reward/(Penalty) **		88,250	11,188,303,000	0.0008
32	Fuel Factor Adjusted for GPIF		570,998,471	11,188,303,000	5.1035
33	Fuel Factor Rounded to Nearest .001(¢ / KWH)				5.104

*For informational purposes only

** Calculation Based on Jurisdictional KWH Sales

SCHEDULE E-1A

**FUEL COST RECOVERY CLAUSE
CALCULATION OF TRUE-UP
GULF POWER COMPANY
TO BE INCLUDED IN THE PERIOD: JANUARY 2011 - DECEMBER 2011**

1.	Estimated over/(under)-recovery, January - December 2010 (Sch. E-1B, page 2, line C9)	(\$23,786,207)
2.	Final over/(under)-recovery January - December 2009 (Exhibit RWD-1, Schedule 1, line 3)	<u>9,959,388</u>
3.	Total over/(under)-recovery (Lines 1 + 2) To be included in January - December 2011 (Schedule E1, Line 27)	<u><u>(\$13,826,819)</u></u>
4.	Jurisdictional KWH sales For the period: January - December 2011	<u>11,188,303,000</u>
5.	True-up Factor (Line 3 / Line 4) x 100 (¢ / KWH)	<u><u>0.1236</u></u>

**CALCULATION OF ESTIMATED TRUE-UP
GULF POWER COMPANY
ACTUAL FOR THE PERIOD JANUARY 2010 - JUNE 2010 / ESTIMATED FOR JULY 2010 - DECEMBER 2010**

	JANUARY ACTUAL	FEBRUARY ACTUAL	MARCH ACTUAL	APRIL ACTUAL	MAY ACTUAL	JUNE ACTUAL	TOTAL SIX MONTHS
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
A 1 Fuel Cost of System Generation	49,113,703.53	39,332,987.68	35,243,022.19	34,860,618.67	54,484,778.82	60,944,555.63	\$273,979,666.52
1a Fuel Cost of Hedging Settlement	1,507,491.00	1,717,175.00	2,299,955.00	1,433,890.00	1,552,418.00	1,329,364.00	\$9,840,293.00
2 Fuel Cost of Power Sold	(6,925,363.36)	(884,461.34)	(1,353,923.39)	(7,577,307.40)	(15,337,181.62)	(15,430,491.64)	(\$47,508,728.75)
3 Fuel Cost of Purchased Power	13,623,175.00	10,476,132.97	5,976,397.12	9,742,295.69	13,829,797.79	18,338,514.21	\$71,986,312.78
3a Demand & Non-Fuel Cost Of Purchased Power	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
3b Energy Payments to Qualified Facilities	579,847.72	528,294.06	665,794.80	690,201.39	575,291.91	448,481.06	\$3,487,910.94
4 Energy Cost of Economy Purchases	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
5 Other Generation	186,210.09	177,533.32	279,562.88	194,420.77	190,812.60	178,337.16	\$1,206,876.82
6 Adjustments to Fuel Cost *	(722,778.01)	(80,896.04)	177,773.22	41,547.86	(20,443.94)	(40,287.00)	(\$645,083.91)
7 TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Thru A6)	57,362,285.97	51,266,765.65	43,288,581.82	39,385,666.98	\$55,275,473.56	\$65,768,473.42	\$312,347,247.40
B 1 Jurisdictional KWH Sales	968,982,843	889,202,829	764,004,028	734,967,557	988,068,944	1,112,641,026	5,457,867,227
2 Non-Jurisdictional KWH Sales	37,573,258	31,584,129	26,982,136	24,443,114	31,995,082	36,824,143	189,401,862
3 TOTAL SALES (Lines B1 + B2)	1,006,556,101	920,786,958	790,986,164	759,410,671	1,020,064,026	1,149,465,169	5,647,269,089
4 Jurisdictional % Of Total Sales (Line B1/B3)	96.2671%	96.5699%	96.5888%	96.7813%	96.8634%	96.7964%	
C 1 Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes) (1)	51,812,233.90	47,395,018.96	40,672,215.27	39,098,870.08	52,628,157.20	59,324,106.40	\$290,930,601.81
2 True-Up Provision	(1,028,589.08)	(1,028,589.08)	(1,028,589.08)	(1,028,589.08)	(1,028,589.08)	(1,028,589.08)	(\$6,171,534.48)
2a Incentive Provision	(9,424.63)	(9,424.63)	(9,424.63)	(9,424.63)	(9,424.63)	(9,424.63)	(\$56,547.78)
3 FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Thru C2a)	\$50,774,220.19	\$46,357,005.25	\$39,634,201.56	\$38,060,856.37	\$51,590,143.49	\$58,286,092.69	\$284,702,519.55
4 Fuel & Net Power Transactions (Line A7)	57,362,285.97	51,266,765.65	43,288,581.82	39,385,666.98	55,275,473.56	65,768,473.42	\$312,347,247.40
5 Jurisdictional Fuel Cost Adj. for Line Losses (Line A7 x Line B4 x 1.0007)	55,259,663.90	49,542,920.11	41,841,190.06	38,144,643.09	53,579,182.25	63,706,077.67	\$302,073,677.08
6 Over/(Under) Recovery (Line C3-C5)	(4,485,443.71)	(3,185,914.86)	(2,206,988.50)	(83,786.72)	(1,989,038.76)	(5,419,984.98)	(\$17,371,157.53)
7 Interest Provision (2)	(686.72)	(1,210.47)	(1,530.87)	(1,622.51)	(2,112.40)	(3,327.45)	(\$10,490.42)
8 Adjustments (3)	0.00	(158,877.19)	0.00	0.00	0.00	0.00	(\$158,877.19)
9 TOTAL ESTIMATED TRUE-UP FOR THE PERIOD JANUARY 2010 - JUNE 2010							(\$17,540,525.14)

* (Gain)/Loss on sales of natural gas and costs of contract dispute litigation.

Note 1: Revenues for January through December based on the current approved 2010 Fuel Factor excluding revenue taxes of: 5.3395 ¢/KWH

Note 2: Interest is Calculated for July through December at June 2010 monthly rate of: 0.0292%

Note 3: Adjustment for January 2010 fuel clause revenue

**CALCULATION OF ESTIMATED TRUE-UP
GULF POWER COMPANY
ACTUAL FOR THE PERIOD JANUARY 2010 - JUNE 2010 / ESTIMATED FOR JULY 2010 - DECEMBER 2010**

	JULY ESTIMATED	AUGUST ESTIMATED	SEPTEMBER ESTIMATED	OCTOBER ESTIMATED	NOVEMBER ESTIMATED	DECEMBER ESTIMATED	TOTAL PERIOD
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
A 1 Fuel Cost of System Generation	61,695,876.00	61,467,169.00	57,691,589.00	56,386,982.00	52,800,453.00	59,031,124.00	\$623,052,859.52
1a Fuel Cost of Hedging Settlement	1,567,330.00	1,688,470.00	1,573,200.00	1,544,100.00	1,283,750.00	741,010.00	\$18,238,153.00
2 Fuel Cost of Power Sold	(6,863,000.00)	(7,685,000.00)	(9,744,000.00)	(11,949,000.00)	(9,937,000.00)	(11,953,000.00)	(\$105,639,728.75)
3 Fuel Cost of Purchased Power	2,660,000.00	4,431,000.00	3,335,000.00	1,313,000.00	1,275,000.00	1,493,000.00	\$86,493,312.78
3a Demand & Non-Fuel Cost Of Purchased Power	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
3b Energy Payments to Qualified Facilities	0.00	0.00	0.00	0.00	0.00	0.00	\$3,487,910.94
4 Energy Cost of Economy Purchases	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
5 Other Generation	274,603.00	274,603.00	265,761.00	137,446.00	265,761.00	137,446.00	\$2,562,496.82
6 Adjustments to Fuel Cost *	0.00	0.00	0.00	0.00	0.00	0.00	(\$645,083.91)
7 TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Thru A6)	\$59,334,809.00	\$60,176,242.00	\$53,121,550.00	\$47,432,528.00	\$45,687,964.00	\$49,449,580.00	\$627,549,920.40
B 1 Jurisdictional KWH Sales	1,135,042,000	1,123,730,000	984,276,000	886,399,000	760,838,000	829,940,000	11,178,092,227
2 Non-Jurisdictional KWH Sales	36,522,000	36,024,000	31,849,000	27,188,000	25,881,000	29,294,000	376,159,862
3 TOTAL SALES (Lines B1 + B2)	1,171,564,000	1,159,754,000	1,016,125,000	913,587,000	786,719,000	859,234,000	11,554,252,089
4 Jurisdictional % Of Total Sales (Line B1/B3)	96.8826%	96.8938%	96.8656%	97.0240%	96.7103%	96.5907%	
C 1 Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	(1) 60,605,567.59	60,001,563.35	52,555,417.02	47,329,274.61	40,624,945.01	44,314,646.30	\$596,362,015.69
2 True-Up Provision	(1,028,589.08)	(1,028,589.08)	(1,028,589.08)	(1,028,589.08)	(1,028,589.08)	(1,028,589.08)	(\$12,343,068.96)
2a Incentive Provision	(9,424.63)	(9,424.63)	(9,424.63)	(9,424.63)	(9,424.63)	(9,424.63)	(\$113,095.56)
3 FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Thru C2a)	\$59,567,553.88	\$58,963,549.64	\$51,517,403.31	\$46,291,260.90	\$39,586,931.30	\$43,276,632.59	\$583,905,851.17
4 Fuel & Net Power Transactions (Line A7)	59,334,809.00	60,176,242.00	53,121,550.00	47,432,528.00	45,687,964.00	49,449,580.00	\$627,549,920.40
5 Jurisdictional Fuel Cost Adj. for Line Losses (Line A7 x Line B4 x 1.0007)	57,525,345.24	58,347,862.50	51,492,527.69	46,053,150.62	44,215,896.53	47,797,130.06	\$607,505,589.72
6 Over/(Under) Recovery (Line C3-C5)	2,042,208.64	615,687.14	24,875.62	238,110.28	(4,628,965.23)	(4,520,497.47)	(\$23,599,738.55)
7 Interest Provision	(2) (3,567.44)	(2,880.08)	(2,487.06)	(2,149.04)	(2,490.38)	(3,526.58)	(\$27,591.00)
8 Adjustments	(3) 0.00	0.00	0.00	0.00	0.00	0.00	(\$158,877.19)
9 TOTAL ESTIMATED TRUE-UP FOR THE PERIOD JANUARY 2010 - DECEMBER 2010							(\$23,786,206.74)

* (Gain)/Loss on sales of natural gas and costs of contract dispute litigation.

Note 1: Revenues for January through December based on the current approved 2010 Fuel Factor excluding revenue taxes of: 5.3395 ¢/KWH

Note 2: Interest is Calculated for July through December at June 2010 monthly rate of: 0.0292%

Note 3: Adjustment for January 2010 fuel clause revenue

COMPARISON OF ESTIMATED/ACTUAL VERSUS ORIGINAL PROJECTIONS
OF THE FUEL AND PURCHASED POWER COST RECOVERY FACTOR
GULF POWER COMPANY

ACTUAL FOR THE PERIOD JANUARY 2010 - JUNE 2010 / ESTIMATED FOR JULY 2010 - DECEMBER 2010

	DOLLARS				KWH				¢/KWH			
	ESTIMATED/ ACTUAL	ESTIMATED/ ORIGINAL	DIFFERENCE AMOUNT	DIFFERENCE %	ESTIMATED/ ACTUAL	ESTIMATED/ ORIGINAL	DIFFERENCE AMOUNT	DIFFERENCE %	ESTIMATED/ ACTUAL	ESTIMATED/ ORIGINAL	DIFFERENCE AMT.	DIFFERENCE %
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
1 Fuel Cost of System Net Generation	623,052,860	641,496,362	(18,443,502)	(2.88)	12,515,599,000	12,852,117,000	(336,518,000)	(2.62)	4.9782	4.9914	(0.0132)	(0.26)
1a Fuel Cost of Hedging Settlement	18,238,153	0	18,238,153	100.00	0	0	0	0.00	#N/A	0.0000	#N/A	#N/A
2 Hedging Support Costs	0	0	0	0.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
3 Coal Car Investment	0	0	0	0.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
4 Other Generation	2,562,497	5,841,400	(3,278,903)	(56.13)	53,321,000	112,551,000	(59,230,000)	(52.63)	4.8058	5.1900	(0.3842)	(7.40)
5 Adjustments to Fuel Cost ***	(645,084)	0	(645,084)	(100.00)								
6 TOTAL COST OF GENERATED POWER	643,208,425	647,337,762	(4,129,337)	(0.64)	12,568,920,000	12,964,668,000	(395,748,000)	(3.05)	5.1175	4.9931	0.1244	2.49
7 Fuel Cost of Purchased Power (Exclusive of Economy)	0	0	0	0.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
8 Energy Cost of Schedule C&X Econ. Purchases (Broker)	0	0	0	0.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
9 Energy Cost of Other Economy Purchases (Nonbroker)	86,493,313	33,952,327	52,540,986	154.75	2,875,505,503	884,977,000	1,990,528,503	224.92	3.0079	3.8365	(0.8286)	(21.60)
10 Energy Cost of Schedule E Economy Purchases	0	0	0	0.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
11 Capacity Cost of Schedule E Economy Purchases	0	0	0	0.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
12 PPA Energy Savings	0	(13,000,000)	13,000,000	(100.00)								
13 Energy Payments to Qualifying Facilities	3,487,911	0	3,487,911	100.00	60,431,000	0	60,431,000	100.00	5.7717	0.0000	5.7717	100.00
14 TOTAL COST OF PURCHASED POWER	89,981,224	20,952,327	69,028,897	329.46	2,935,936,503	884,977,000	2,050,959,503	231.75	3.0648	2.3676	0.6972	29.45
15 Total Available KWH (Line 6 + Line 13)	733,189,649	668,290,089	64,899,560	9.71	15,504,856,503	13,849,645,000	1,655,211,503	11.95	4.7288	4.8253	(0.0965)	(2.00)
16 Fuel Cost of Economy Sales	(2,941,410)	(2,399,000)	(542,410)	22.61	(59,798,351)	(60,199,000)	400,649	(0.67)	4.9189	3.9851	0.9338	23.43
17 Gain on Economy Sales	(842,007)	(287,000)	(555,007)	193.38								
18 Fuel Cost of Unit Power Sales	(1,140,995)	(1,970,000)	829,005	(42.08)	(22,745,685)	(54,216,000)	31,470,315	(58.05)	5.0163	3.6336	1.3827	38.05
19 Fuel Cost of Other Power Sales	(100,715,317)	(55,790,000)	(44,925,317)	80.53	(3,116,893,506)	(1,365,947,000)	(1,750,946,506)	128.19	3.2313	4.0843	(0.8530)	(20.88)
20 TOTAL FUEL COST AND GAINS ON POWER SALES (LINES 15+16+17+18)	(105,639,729)	(60,446,000)	(45,193,729)	74.77	(3,199,437,542)	(1,480,362,000)	(1,719,075,542)	116.13	3.3018	4.0832	(0.7814)	(19.14)
21 Net inadvertent interchange	0	0	0	0.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
22 TOTAL FUEL & NET POWER TRANSACTIONS (LINES 6+13+19+20)	627,549,920	607,844,089	19,705,831	3.24	12,305,418,961	12,369,283,000	(63,864,039)	(0.52)	5.0998	4.9141	0.1857	3.78
23 Net Unbilled Sales	0	0	0	0.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
24 Company Use *	1,078,400	912,127	166,273	18.23	21,145,928	19,069,000	2,076,928	10.89	5.0998	4.7833	0.3165	6.62
25 T & D Losses *	37,229,606	34,290,665	2,938,943	8.57	730,020,944	716,883,000	13,137,944	1.83	5.0998	4.7833	0.3165	6.62
26 TERRITORIAL (SYSTEM) SALES	627,549,920	607,844,089	19,705,831	3.24	11,554,252,089	11,633,331,000	(79,078,911)	(0.68)	5.4313	5.2250	0.2063	3.95
27 Wholesale Sales	20,469,287	20,519,254	(49,967)	(0.24)	376,159,862	392,713,000	(16,553,138)	(4.22)	5.4416	5.2250	0.2166	4.15
28 Jurisdictional Sales	607,080,633	587,324,836	19,755,797	3.36	11,178,092,227	11,240,618,000	(62,525,773)	(0.56)	5.4310	5.2250	0.2060	3.94
28a Jurisdictional Loss Multiplier	1.0007	1.0007										
29 Jurisdictional Sales Adj. for Line Losses (Line 27 x 1.0007)	607,505,590	587,735,963	19,769,627	3.36	11,178,092,227	11,240,618,000	(62,525,773)	(0.56)	5.4348	5.2287	0.2061	3.94
30 TRUE-UP **	12,343,069	12,343,069	(0)	0.00	11,178,092,227	11,240,618,000	(62,525,773)	(0.56)	0.1104	0.1098	0.0006	0.55
31 TOTAL JURISDICTIONAL FUEL COST	619,848,659	600,079,032	19,769,627	3.29	11,178,092,227	11,240,618,000	(62,525,773)	(0.56)	5.5452	5.3385	0.2067	3.87
32 Revenue Tax Factor									1.00072	1.00072		
33 Fuel Factor Adjusted for Revenue Taxes									5.5492	5.3423	0.2068	3.87
34 GPIF Reward / (Penalty) **	113,177	113,177	0	0.00	11,178,092,227	11,240,618,000	(62,525,773)	(0.56)	0.0010	0.0010	0.0000	0.00
35 Fuel Factor Adjusted for GPIF Reward / (Penalty)									5.5502	5.3433	0.2069	3.87
36 FUEL FACTOR ROUNDED TO NEAREST .001(CENTS/KWH)									5.5500	5.3430	0.2070	3.87

* Included for Informational Purposes Only

** ¢/KWH Calculation Based on Jurisdictional KWH Sales

*** (Gain)/Loss on sales of natural gas and costs of contract dispute litigation.

Note: Amounts included in the Estimated/Actual Column represent 6 months actual and 6 months estimate.

SCHEDULE E-1C

**CALCULATION OF GENERATING PERFORMANCE
INCENTIVE FACTOR AND TRUE-UP FACTOR
GULF POWER COMPANY**

TO BE INCLUDED IN THE PERIOD: JANUARY 2011 - DECEMBER 2011

1. TOTAL AMOUNT OF ADJUSTMENTS:

A. Generating Performance Incentive Reward/(Penalty)	\$	88,250
B. True-Up (Over)/Under Recovered	\$	13,826,819

2. Jurisdictional KWH sales

For the period: January - December 2011 11,188,303,000

3. ADJUSTMENT FACTORS:

A. Generating Performance Incentive Factor	0.0008
B. True-Up Factor	0.1236

SCHEDULE E-1D

**DETERMINATION OF FUEL RECOVERY FACTOR
 TIME OF USE RATE SCHEDULES
 GULF POWER COMPANY
 PROPOSED FOR THE PERIOD: JANUARY 2011 - DECEMBER 2011**

	<u>NET ENERGY FOR LOAD</u>
	%
On-Peak	29.45
Off-Peak	<u>70.55</u>
	100.00

	<u>AVERAGE</u>	<u>ON-PEAK</u>	<u>OFF-PEAK</u>
Cost per KWH Sold	4.9720	5.8491	4.6056
Jurisdictional Loss Factor	1.0007	1.0007	1.0007
Jurisdictional Fuel Factor	4.9755	5.8532	4.6088
GPIF	0.0008	0.0008	0.0008
True-Up	0.1236	0.1236	0.1236
TOTAL	<u>5.0999</u>	<u>5.9776</u>	<u>4.7332</u>
Revenue Tax Factor	1.00072	1.00072	1.00072
Recovery Factor	5.1036	5.9819	4.7366
Recovery Factor Rounded to the Nearest .001 ¢/KWH	5.104	5.982	4.737

HOURS:	ON-PEAK	25.48%
	OFF-PEAK	<u>74.52%</u>
		100.00%

SCHEDULE E-1E

**FUEL RECOVERY FACTORS - BY RATE GROUP
 (ADJUSTED FOR LINE/TRANSFORMATION LOSSES)
 GULF POWER COMPANY
 PROPOSED FOR THE PERIOD: JANUARY 2011 - DECEMBER 2011**

Group	Rate Schedules	Average Factor	Fuel Recovery Loss Multipliers	Standard Fuel Recovery Factor
A	RS, RSVP, GS, GSD, GSDT, GSTOU, OSIII, SBS (1)	5.104	1.00525921	5.131
B	LP, LPT, SBS (2)	5.104	0.98890061	5.047
C	PX, PXT, RTP, SBS (3)	5.104	0.98062822	5.005
D	OS-I/II	5.104	1.00529485	5.081 *

	TOU
A On-Peak	6.013
Off-Peak	4.762
B On-Peak	5.916
Off-Peak	4.684
C On-Peak	5.866
Off-Peak	4.645
D On-Peak	N/A
Off-Peak	N/A

Group D Calculation

* D On-Peak	5.982	¢ / KWH	x	0.2548	=	1.524	¢ / KWH
Off-Peak	4.737	¢ / KWH	x	0.7452	=	3.530	¢ / KWH
						5.054	¢ / KWH
			Line Loss Multiplier		x	1.00529	
						<u>5.081</u>	¢ / KWH

- (1) Includes SBS customers with a Contract Demand in the range of 100 to 499 KW
- (2) Includes SBS customers with a Contract Demand in the range of 500 to 7,499 KW
- (3) Includes SBS customers with a Contract Demand over 7,499 KW

**FUEL AND PURCHASED POWER COST RECOVERY CLAUSE CALCULATION
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2011 - DECEMBER 2011**

LINE	LINE DESCRIPTION	(a) JANUARY	(b) FEBRUARY	(c) MARCH	(d) APRIL	(e) MAY	(f) JUNE	(g) JULY	(h) AUGUST	(i) SEPTEMBER	(j) OCTOBER	(k) NOVEMBER	(l) DECEMBER	(m) TOTAL
	\$													
1	Fuel Cost of System Generation	40,380,499	37,827,346	48,069,951	50,473,951	53,702,609	58,091,638	60,495,326	61,471,916	57,146,750	53,105,758	48,112,227	53,094,098	621,972,069
1a	Other Generation	143,143	129,329	143,143	138,538	285,986	276,777	285,986	285,986	276,777	143,143	276,777	143,143	2,528,728
2	Fuel Cost of Power Sold	(2,346,000)	(2,521,000)	(5,670,000)	(7,385,000)	(5,937,000)	(7,100,000)	(7,401,000)	(9,278,000)	(8,725,000)	(9,469,000)	(9,563,000)	(9,337,000)	(84,732,000)
3	Fuel Cost of Purchased Power	6,323,000	3,881,000	1,294,000	1,138,000	2,345,000	3,362,000	4,214,000	5,060,000	2,879,000	1,659,000	1,047,000	1,433,000	34,635,000
3a	Demand & Non-Fuel Cost of Pur Power	0	0	0	0	0	0	0	0	0	0	0	0	0
3b	Qualifying Facilities	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Energy Cost of Economy Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Hedging Settlement	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Total Fuel & Net Power Trans. (Sum of Lines 1 - 5)	44,500,642	39,316,675	43,837,094	44,365,489	50,396,595	54,630,415	57,594,312	57,539,902	51,577,527	45,438,901	39,873,004	45,333,241	574,403,797
7	System KWH Sold	913,479,000	772,984,000	838,245,000	842,677,000	983,035,000	1,107,072,000	1,198,322,000	1,189,136,000	1,045,670,000	944,762,000	819,923,000	897,450,000	11,552,755,000
7a	Jurisdictional % of Total Sales	96.7490	96.6713	96.8193	97.1188	96.8729	96.8814	96.8858	96.8942	96.8612	97.0073	96.7080	96.6036	96.8453
8	Cost per KWH Sold (¢/KWH)	4.8716	5.0864	5.2296	5.2648	5.1266	4.9347	4.8062	4.8388	4.9325	4.8096	4.8630	5.0513	4.9720
8a	Jurisdictional Loss Multiplier	1.0007	1.0007	1.0007	1.0007	1.0007	1.0007	1.0007	1.0007	1.0007	1.0007	1.0007	1.0007	1.0007
8b	Jurisdictional Cost (¢/KWH)	4.8750	5.0900	5.2333	5.2685	5.1302	4.9382	4.8096	4.8422	4.9360	4.8130	4.8664	5.0548	4.9755
9	GPIF (¢/KWH) *	0.0008	0.0010	0.0009	0.0009	0.0008	0.0007	0.0006	0.0006	0.0007	0.0008	0.0009	0.0008	0.0008
10	True-Up (¢/KWH) *	0.1304	0.1542	0.1420	0.1408	0.1210	0.1074	0.0992	0.1000	0.1138	0.1257	0.1453	0.1329	0.1236
11	TOTAL	5.0062	5.2452	5.3762	5.4102	5.2520	5.0463	4.9094	4.9428	5.0505	4.9395	5.0126	5.1885	5.0999
12	Revenue Tax Factor	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072
13	Recovery Factor Adjusted for Taxes	5.0098	5.2490	5.3801	5.4141	5.2558	5.0499	4.9129	4.9464	5.0541	4.9431	5.0162	5.1922	5.1036
14	Recovery Factor Rounded to the Nearest .001 ¢/KWH	5.010	5.249	5.380	5.414	5.256	5.050	4.913	4.946	5.054	4.943	5.016	5.192	5.104

* CALCULATIONS BASED ON JURISDICTIONAL KWH SALES

**GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2011 - DECEMBER 2011**

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>FUEL COST - NET GEN. (\$)</u>													
1 LIGHTER OIL (B.L.)	32,932	33,344	33,589	33,733	33,819	33,870	33,900	33,918	33,928	33,935	33,938	33,941	404,847
2 COAL	27,476,195	28,925,615	34,834,400	38,201,706	44,798,585	46,100,885	47,172,856	47,255,384	45,520,341	39,612,884	36,258,767	37,279,383	473,437,001
3 GAS - Generation	12,962,044	8,950,308	13,292,634	12,326,267	9,099,438	12,178,771	13,517,803	14,411,847	11,814,369	13,549,611	12,045,516	15,871,446	150,020,054
4 GAS (B.L.)	0	0	0	0	0	0	0	0	0	0	0	0	0
5 LANDFILL GAS	52,471	47,408	52,471	50,783	56,753	54,889	56,753	56,753	54,889	52,471	50,783	52,471	638,895
6 OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
7 TOTAL (\$)	40,523,642	37,956,675	48,213,094	50,612,489	53,988,595	58,368,415	60,781,312	61,757,902	57,423,527	53,248,901	48,389,004	53,237,241	624,500,797
<u>SYSTEM NET GEN. (MWH)</u>													
8 LIGHTER OIL (B.L.)	0	0	0	0	0	0	0	0	0	0	0	0	0
9 COAL	506,990	538,188	683,690	736,982	881,764	957,753	1,013,268	1,026,255	948,581	838,264	781,577	788,492	9,701,804
10 GAS	341,182	223,332	316,623	305,553	227,721	272,289	326,432	325,712	262,638	336,831	285,843	344,007	3,568,163
11 LANDFILL GAS	2,083	1,882	2,083	2,016	2,253	2,179	2,253	2,253	2,179	2,083	2,016	2,083	25,363
12 OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
13 TOTAL (MWH)	850,255	763,402	1,002,396	1,044,551	1,111,738	1,232,221	1,341,953	1,354,220	1,213,398	1,177,178	1,069,436	1,134,582	13,295,330
<u>UNITS OF FUEL BURNED</u>													
14 LIGHTER OIL (BBL)	328	328	328	328	328	328	328	328	328	328	328	328	3,931
15 COAL (TON)	242,847	252,188	322,866	340,855	413,224	443,843	471,214	478,615	437,804	386,452	359,565	365,832	4,515,305
16 GAS-all (MCF) (1)	2,038,914	1,409,721	2,137,010	2,042,946	1,473,523	1,977,975	2,179,207	2,308,826	1,877,878	2,153,183	1,828,739	2,352,518	23,780,440
17 OIL - C.T. (BBL)	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>BTU'S BURNED (MMBTU)</u>													
18 COAL + GAS B.L. + OIL B.L.	5,525,749	5,771,669	7,243,383	7,728,553	9,365,183	10,176,652	10,842,242	11,051,387	10,122,556	8,942,991	8,299,502	8,447,252	103,517,119
19 GAS-Generation (1)	2,100,081	1,452,013	2,201,120	2,104,234	1,517,729	2,037,315	2,244,583	2,376,091	1,934,215	2,217,778	1,883,601	2,423,094	24,493,854
20 OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL (MMBTU) (1)	7,625,830	7,223,682	9,444,503	9,832,787	10,882,912	12,213,967	13,086,825	13,429,478	12,056,771	11,160,769	10,183,103	10,870,346	128,010,973

(1) Data excludes Landfill Gas and Gulf's CT in Santa Rosa County because MCF and MMBTU's are not available due to contract specifications.

**GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2011 - DECEMBER 2011**

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
GENERATION MIX (% MWH)													
22 LIGHTER OIL (B.L.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 COAL	59.63	70.50	68.20	70.56	79.32	77.72	75.50	75.78	78.18	71.21	73.08	69.50	72.97
24 GAS-Generation	40.13	29.25	31.59	29.25	20.48	22.10	24.33	24.05	21.64	28.61	26.73	30.32	26.84
25 LANDFILL GAS	0.24	0.25	0.21	0.19	0.20	0.18	0.17	0.17	0.18	0.18	0.19	0.18	0.19
26 OIL - C.T.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27 TOTAL (% MWH)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
FUEL COST \$ / UNIT													
28 LIGHTER OIL (\$/BBL)	100.54	101.80	102.55	102.99	103.25	103.40	103.50	103.55	103.58	103.60	103.61	103.62	103.00
29 COAL (\$/TON)	113.14	114.70	107.89	112.08	108.41	103.87	100.11	98.73	103.97	102.50	100.84	101.90	104.85
30 GAS + B.L. (\$/MCF) (1)	6.29	6.26	6.15	5.97	5.98	6.02	6.07	6.12	6.14	6.23	6.44	6.69	6.20
31 OIL - C.T.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL COST \$ / MMBTU													
32 COAL + GAS B.L. + OIL B.L.	4.98	5.02	4.81	4.95	4.79	4.53	4.35	4.28	4.50	4.43	4.37	4.42	4.58
33 GAS-Generation (1)	6.10	6.08	5.97	5.79	5.81	5.84	5.90	5.94	5.96	6.04	6.25	6.49	6.02
34 OIL - C.T.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35 TOTAL (\$/MMBTU) (1)	5.29	5.23	5.08	5.13	4.93	4.75	4.62	4.57	4.74	4.75	4.72	4.88	4.85
BTU BURNED BTU / KWH													
36 COAL + GAS B.L. + OIL B.L.	10,899	10,724	10,595	10,487	10,621	10,626	10,700	10,769	10,671	10,668	10,619	10,713	10,670
37 GAS-Generation (1)	6,207	6,578	7,015	6,950	6,836	7,637	6,999	7,432	7,523	6,641	6,720	7,103	6,963
38 OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
39 TOTAL (BTU/KWH) (1)	9,021	9,518	9,469	9,457	9,860	9,975	9,810	9,975	10,000	9,521	9,590	9,623	9,684
FUEL COST CENTS / KWH													
40 COAL + GAS B.L. + OIL B.L.	5.43	5.38	5.10	5.19	5.08	4.82	4.66	4.61	4.80	4.73	4.64	4.73	4.88
41 GAS-Generation	3.80	4.01	4.20	4.03	4.00	4.47	4.14	4.42	4.50	4.02	4.21	4.61	4.20
42 LANDFILL GAS	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52
43 OIL - C.T.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44 TOTAL (¢/KWH)	4.77	4.97	4.81	4.85	4.86	4.74	4.53	4.56	4.73	4.52	4.52	4.69	4.70

(1) Data excludes Landfill Gas and Gulf's CT in Santa Rosa County because MCF and MMBTU's are not available due to contract specifications.

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: JANUARY 2011

Line	(a) Plant/Unit	(b) Net Cap. (MW)	(c) Net Gen. (MWH)	(d) Cap. Factor (%)	(e) Equiv. Avail. Factor (%)	(f) Net Output Factor (%)	(g) Avg. Net Heat Rate (BTU/KWH)	(h) Fuel Type	(i) Fuel Burned (Units) Tons/MCF/Bbl	(j) Fuel Heat Value (BTU/Unit) Lbs/CF/Gal	(k) Fuel Burned (MMBTU)	(l) As Burned Fuel Cost (\$)	(m) Fuel Cost/ KWH (¢/KWH)	(n) Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75.0	32,836	58.8	82.8	71.1	11,324	Coal	15,766	11,792	371,835	1,917,984	5.84	121.65
2	4							Gas - G						
3	Crist 5	75.0	31,433	56.3	85.8	65.7	11,344	Coal	15,119	11,792	356,577	1,839,282	5.85	121.65
4	5							Gas - G						
5	Crist 6	291.0	102,383	47.3	96.2	49.2	11,749	Coal	51,005	11,792	1,202,892	6,204,711	6.06	121.65
6	6							Gas - G						
7	Crist 7	465.0	56,752	16.4	20.8	78.9	10,418	Coal	25,070	11,792	591,239	3,049,707	5.37	121.65
8	7							Gas - G						
9	Perdido		2,083					Landfill Gas				52,471	2.52	N/A
10	Scholz 1	46.0	1,290	3.8	96.9	3.9	16,833	Coal	905	11,996	21,714	118,124	9.16	130.52
11	Scholz 2	46.0	1,290	3.8	96.5	3.9	12,943	Coal	696	11,996	16,697	90,833	7.04	130.51
12	Smith 1	162.0	85,917	71.3	98.3	72.5	10,542	Coal	37,795	11,982	905,735	5,118,550	5.96	135.43
13	Smith 2	195.0	54,048	37.3	63.3	58.9	10,669	Coal	24,062	11,982	576,637	3,258,730	6.03	135.43
14	Smith 3	531.0	338,322	85.6	94.9	90.2	6,207	Gas	2,038,914	1,030	2,100,081	12,818,901	3.79	6.29
15	Smith A (CT)	40.0	0	0.0	97.7	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		2,860				N/A	Gas				143,143	5.01	N/A
17	Daniel 1 (1)	255.0	141,041	74.3	96.0	77.4	10,497	Coal	72,429	10,220	1,480,505	5,878,274	4.17	81.16
18	Daniel 2 (1)	255.0	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
19	Gas, BL							Gas	0	0	0	0	N/A	N/A
20	Ltr. Oil							Oil	328	139,400	1,918	32,932	N/A	100.54
21		2,436.0	850,255	46.9	68.2	68.7	8,999				7,625,830	40,523,642	4.77	

Notes:

(1) Represents Gulf's 50% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: FEBRUARY 2011

Line	(a) Plant/Unit	(b) Net Cap. (MW)	(c) Net Gen. (MWH)	(d) Cap. Factor (%)	(e) Equiv. Avail. Factor (%)	(f) Net Output Factor (%)	(g) Avg. Net Heat Rate (BTU/KWH)	(h) Fuel Type	(i) Fuel Burned (Units) Tons/MCF/Bbl	(j) Fuel Heat Value (BTU/Unit) Lbs/CF/Gal	(k) Fuel Burned (MMBTU)	(l) As Burned Fuel Cost (\$)	(m) Fuel Cost/ KWH (¢/KWH)	(n) Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75.0	32,991	65.5	98.7	66.3	11,684	Coal	16,354	11,785	385,470	1,962,117	5.95	119.98
2	4							Gas - G						
3	Crist 5	75.0	26,909	53.4	87.9	60.7	11,540	Coal	13,175	11,785	310,525	1,580,632	5.87	119.97
4	5							Gas - G						
5	Crist 6	291.0	36,905	18.9	37.5	50.3	11,707	Coal	18,330	11,785	432,050	2,199,218	5.96	119.98
6	6							Gas - G						
7	Crist 7	465.0	161,243	51.6	73.4	70.3	10,796	Coal	73,855	11,785	1,740,776	8,860,878	5.50	119.98
8	7							Gas - G						
9	Perdido		1,882					Landfill Gas				47,408	2.52	N/A
10	Scholz 1	46.0	2,579	8.3	97.0	8.6	0	Coal	0	0	0	0	0.00	N/A
11	Scholz 2	46.0	0	0.0	96.4	0.0	N/A	Coal	0	0	0	0	N/A	N/A
12	Smith 1	162.0	76,974	70.7	98.2	72.0	10,611	Coal	34,072	11,986	816,768	4,655,606	6.05	136.64
13	Smith 2	195.0	74,402	56.8	98.2	57.8	10,496	Coal	32,577	11,986	780,923	4,451,291	5.98	136.64
14	Smith 3	531.0	220,748	61.9	67.7	91.4	6,578	Gas	1,409,721	1,030	1,452,013	8,820,979	4.00	6.26
15	Smith A (CT)	40.0	0	0.0	97.8	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		2,584				N/A	Gas				129,329	5.00	N/A
17	Daniel 1 (1)	255.0	126,185	73.6	96.0	76.7	10,328	Coal	63,825	10,209	1,303,239	5,215,873	4.13	81.72
18	Daniel 2 (1)	255.0	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
19	Gas, BL							Gas	0	0	0	0	N/A	N/A
20	Ltr. Oil							Oil	328	139,400	1,918	33,344	N/A	101.80
21		2,436.0	763,402	46.6	68.7	67.9	9,495				7,223,682	37,956,675	4.97	

Notes:

(1) Represents Gulf's 50% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: MARCH 2011

Line	(a) Plant/Unit	(b) Net Cap. (MW)	(c) Net Gen. (MWH)	(d) Cap. Factor (%)	(e) Equiv. Avail. Factor (%)	(f) Net Output Factor (%)	(g) Avg. Net Heat Rate (BTU/KWH)	(h) Fuel Type	(i) Fuel Burned (Units) Tons/MCF/Bbl	(j) Fuel Heat Value (BTU/Unit) Lbs/CF/Gal	(k) Fuel Burned (MMBTU)	(l) As Burned Fuel Cost (\$)	(m) Fuel Cost/ KWH (¢/KWH)	(n) Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75.0	38,641	69.2	98.8	70.1	11,765	Coal	19,322	11,764	454,605	2,323,932	6.01	120.27
2	4							Gas - G						
3	Crist 5	75.0	35,245	63.2	98.5	64.1	11,394	Coal	17,069	11,764	401,586	2,052,898	5.82	120.27
4	5							Gas - G						
5	Crist 6	291.0	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
6	6							Gas - G						
7	Crist 7	465.0	247,247	71.5	93.7	76.3	10,687	Coal	112,309	11,764	2,642,327	13,507,507	5.46	120.27
8	7							Gas - G						
9	Perdido		2,083					Landfill Gas				52,471	2.52	N/A
10	Scholz 1	46.0	1,290	3.8	96.9	3.9	0	Coal	0	0	0	0	0.00	N/A
11	Scholz 2	46.0	0	0.0	96.5	0.0	N/A	Coal	0	0	0	0	N/A	N/A
12	Smith 1	162.0	21,458	17.8	25.2	70.6	10,497	Coal	9,395	11,988	225,249	1,294,284	6.03	137.76
13	Smith 2	195.0	81,849	56.4	98.1	57.5	10,498	Coal	35,838	11,988	859,249	4,937,259	6.03	137.77
14	Smith 3	505.0	313,763	83.5	91.3	91.5	7,015	Gas	2,137,010	1,030	2,201,120	13,149,491	4.19	6.15
15	Smith A (CT)	36.0	0	0.0	97.7	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		2,860				N/A	Gas				143,143	5.01	N/A
17	Daniel 1 (1)	255.0	138,302	72.9	96.0	75.9	10,340	Coal	69,356	10,309	1,430,041	5,765,738	4.17	83.13
18	Daniel 2 (1)	255.0	119,658	63.1	83.6	75.4	10,266	Coal	59,577	10,309	1,228,408	4,952,782	4.14	83.13
19	Gas, BL							Gas	0	0	0	0	N/A	N/A
20	Ltr. Oil							Oil	328	139,400	1,918	33,589	N/A	102.55
21		<u>2,406.0</u>	<u>1,002,396</u>	<u>56.0</u>	<u>77.3</u>	<u>72.5</u>	<u>9,449</u>				<u>9,444,503</u>	<u>48,213,094</u>	<u>4.81</u>	

Notes:

(1) Represents Gulf's 50% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: APRIL 2011

Line	(a) Plant/Unit	(b) Net Cap. (MW)	(c) Net Gen. (MWH)	(d) Cap. Factor (%)	(e) Equiv. Avail. Factor (%)	(f) Net Output Factor (%)	(g) Avg. Net Heat Rate (BTU/KWH)	(h) Fuel Type	(i) Fuel Burned (Units) Tons/MCF/Bbl	(j) Fuel Heat Value (BTU/Unit) Lbs/CF/Gal	(k) Fuel Burned (MMBTU)	(l) As Burned Fuel Cost (\$)	(m) Fuel Cost/ KWH (¢/KWH)	(n) Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75.0	41,648	77.1	98.8	78.1	10,403	Coal	18,456	11,737	433,263	2,217,684	5.32	120.16
2	4							Gas - G						
3	Crist 5	75.0	38,542	71.4	99.0	72.1	10,784	Coal	17,706	11,737	415,638	2,127,469	5.52	120.16
4	5							Gas - G						
5	Crist 6	291.0	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
6	6							Gas - G						
7	Crist 7	465.0	261,744	78.2	93.5	83.6	10,620	Coal	118,413	11,737	2,779,717	14,228,152	5.44	120.16
8	7							Gas - G						
9	Perdido		2,016					Landfill Gas				50,783	2.52	N/A
10	Scholz 1	46.0	0	0.0	96.9	0.0	N/A	Coal	0	0	0	0	N/A	N/A
11	Scholz 2	46.0	0	0.0	96.4	0.0	N/A	Coal	0	0	0	0	N/A	N/A
12	Smith 1	162.0	83,382	71.5	98.6	72.5	10,448	Coal	36,328	11,991	871,178	5,030,190	6.03	138.47
13	Smith 2	195.0	82,227	58.6	98.5	59.5	10,476	Coal	35,921	11,991	861,414	4,973,812	6.05	138.47
14	Smith 3	505.0	302,785	83.3	94.9	87.7	6,950	Gas	2,042,946	1,030	2,104,234	12,187,729	4.03	5.97
15	Smith A (CT)	36.0	0	0.0	97.6	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		2,768				N/A	Gas				138,538	5.00	N/A
17	Daniel 1 (1)	255.0	96,653	52.6	70.3	74.9	10,364	Coal	48,290	10,372	1,001,713	4,075,751	4.22	84.40
18	Daniel 2 (1)	255.0	132,786	72.3	96.0	75.3	10,270	Coal	65,741	10,372	1,363,712	5,548,648	4.18	84.40
19	Gas,BL							Gas	0	0	0	0	N/A	N/A
20	Ltr. Oil							Oil	328	139,400	1,918	33,733	N/A	102.99
21		<u>2,406.0</u>	<u>1,044,551</u>	<u>60.3</u>	<u>81.6</u>	<u>73.9</u>	<u>9,438</u>				<u>9,832,787</u>	<u>50,612,489</u>	<u>4.85</u>	

Notes:

(1) Represents Gulf's 50% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: MAY 2011

Line	(a) Plant/Unit	(b) Net Cap. (MW)	(c) Net Gen. (MWH)	(d) Cap. Factor (%)	(e) Equiv. Avail. Factor (%)	(f) Net Output Factor (%)	(g) Avg. Net Heat Rate (BTU/KWH)	(h) Fuel Type	(i) Fuel Burned (Units) Tons/MCF/Bbl	(j) Fuel Heat Value (BTU/Unit) Lbs/CF/Gal	(k) Fuel Burned (MMBTU)	(l) As Burned Fuel Cost (\$)	(m) Fuel Cost/ KWH (¢/KWH)	(n) Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75.0	43,143	77.3	99.1	78.0	10,438	Coal	19,228	11,710	450,329	2,183,476	5.06	113.56
2	4							Gas - G						
3	Crist 5	75.0	40,532	72.6	98.9	73.4	11,079	Coal	19,174	11,710	449,055	2,177,300	5.37	113.55
4	5							Gas - G						
5	Crist 6	291.0	95,364	44.0	71.4	61.7	11,197	Coal	45,593	11,710	1,067,791	5,177,317	5.43	113.56
6	6							Gas - G						
7	Crist 7	465.0	270,163	78.1	94.0	83.1	10,621	Coal	122,520	11,710	2,869,405	13,912,671	5.15	113.55
8	7							Gas - G						
9	Perdido		2,253					Landfill Gas				56,753	2.52	N/A
10	Scholz 1	46.0	876	2.6	96.9	2.6	18,379	Coal	671	11,998	16,100	74,799	8.54	111.47
11	Scholz 2	46.0	0	0.0	96.5	0.0	N/A	Coal	0	0	0	0	N/A	N/A
12	Smith 1	162.0	76,886	63.8	98.5	64.8	10,627	Coal	34,015	12,011	817,068	4,743,124	6.17	139.44
13	Smith 2	195.0	77,868	53.7	98.4	54.5	10,535	Coal	34,151	12,011	820,343	4,762,136	6.12	139.44
14	Smith 3	505.0	222,007	59.1	94.9	62.3	6,836	Gas	1,473,523	1,030	1,517,729	8,813,452	3.97	5.98
15	Smith A (CT)	36.0	0	0.0	97.7	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		5,714				N/A	Gas				285,986	5.01	N/A
17	Daniel 1 (1)	255.0	138,359	72.9	96.4	75.7	10,341	Coal	68,657	10,420	1,430,767	5,860,044	4.24	85.35
18	Daniel 2 (1)	255.0	138,573	73.0	96.2	75.9	10,409	Coal	69,215	10,420	1,442,407	5,907,719	4.26	85.35
19	Gas, BL							Gas	0	0	0	0	N/A	N/A
20	Ltr. Oil							Oil	328	139,400	1,918	33,819	N/A	103.25
21		<u>2,406.0</u>	<u>1,111,738</u>	<u>62.1</u>	<u>93.1</u>	<u>66.7</u>	<u>9,840</u>				<u>10,882,912</u>	<u>53,988,595</u>	<u>4.86</u>	

Notes:

(1) Represents Gulf's 50% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: JUNE 2011

Line	(a) Plant/Unit	(b) Net Cap. (MW)	(c) Net Gen. (MWH)	(d) Cap. Factor (%)	(e) Equiv. Avail. Factor (%)	(f) Net Output Factor (%)	(g) Avg. Net Heat Rate (BTU/KWH)	(h) Fuel Type	(i) Fuel Burned (Units) Tons/MCF/Bbl	(j) Fuel Heat Value (BTU/Unit) Lbs/CF/Gal	(k) Fuel Burned (MMBTU)	(l) As Burned Fuel Cost (\$)	(m) Fuel Cost/ KWH (¢/KWH)	(n) Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75.0	44,954	83.2	99.0	84.1	10,798	Coal	20,636	11,761	485,413	2,057,793	4.58	99.72
2	4							Gas - G						
3	Crist 5	75.0	44,244	81.9	99.0	82.8	11,092	Coal	20,863	11,761	490,758	2,048,044	4.63	98.17
4	5							Gas - G						
5	Crist 6	291.0	152,657	72.9	96.4	75.6	10,888	Coal	70,662	11,761	1,662,132	7,046,209	4.62	99.72
6	6							Gas - G						
7	Crist 7	465.0	270,304	80.7	93.9	86.0	10,607	Coal	121,888	11,761	2,867,111	12,154,432	4.50	99.72
8	7							Gas - G						
9	Perdido		2,179					Landfill Gas				54,889	2.52	N/A
10	Scholz 1	46.0	7,781	23.5	96.9	24.2	11,806	Coal	3,828	11,998	91,860	426,767	5.48	111.49
11	Scholz 2	46.0	4,061	12.3	96.4	12.7	6,004	Coal	1,016	11,998	24,382	113,277	2.79	111.49
12	Smith 1	162.0	92,526	79.3	98.6	80.5	10,471	Coal	40,154	12,064	968,838	5,639,855	6.10	140.46
13	Smith 2	195.0	103,160	73.5	98.5	74.6	10,542	Coal	45,072	12,064	1,087,511	6,330,681	6.14	140.46
14	Smith 3	479.0	266,759	77.3	94.9	81.5	7,637	Gas	1,977,975	1,030	2,037,315	11,901,994	4.46	6.02
15	Smith A (CT)	32.0	0	0.0	97.6	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		5,530				N/A	Gas				276,777	5.01	N/A
17	Daniel 1 (1)	255.0	118,089	64.3	96.4	66.7	10,541	Coal	59,690	10,427	1,244,773	5,127,120	4.34	85.90
18	Daniel 2 (1)	255.0	119,977	65.3	96.3	67.9	10,435	Coal	60,034	10,427	1,251,956	5,156,706	4.30	85.90
19	Gas, BL							Gas	0	0	0	0	N/A	N/A
20	Ltr. Oil							Oil	328	139,400	1,918	33,870	N/A	103.40
21		<u>2,376.0</u>	<u>1,232,221</u>	<u>72.0</u>	<u>96.1</u>	<u>74.9</u>	<u>9,957</u>				<u>12,213,967</u>	<u>58,368,415</u>	<u>4.74</u>	

Notes:

(1) Represents Gulf's 50% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: JULY 2011

Line	(a) Plant/Unit	(b) Net Cap. (MW)	(c) Net Gen. (MWH)	(d) Cap. Factor (%)	(e) Equiv. Avail. Factor (%)	(f) Net Output Factor (%)	(g) Avg. Net Heat Rate (BTU/KWH)	(h) Fuel Type	(i) Fuel Burned (Units) Tons/MCF/Bbl	(j) Fuel Heat Value (BTU/Unit) Lbs/CF/Gal	(k) Fuel Burned (MMBTU)	(l) As Burned Fuel Cost (\$)	(m) Fuel Cost/ KWH (¢/KWH)	(n) Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75.0	46,440	83.2	99.1	84.0	11,420	Coal	22,438	11,818	530,344	2,057,243	4.43	91.69
2	4							Gas - G						
3	Crist 5	75.0	45,741	82.0	98.9	82.9	11,169	Coal	21,614	11,818	510,881	1,981,747	4.33	91.69
4	5							Gas - G						
5	Crist 6	291.0	159,417	73.6	96.5	76.3	10,878	Coal	73,367	11,818	1,734,134	6,726,838	4.22	91.69
6	6							Gas - G						
7	Crist 7	465.0	278,542	80.5	94.0	85.7	10,608	Coal	125,009	11,818	2,954,768	11,461,772	4.11	91.69
8	7							Gas - G						
9	Perdido		2,253					Landfill Gas				56,753	2.52	N/A
10	Scholz 1	46.0	10,747	31.4	96.9	32.4	13,846	Coal	6,201	11,998	148,801	691,309	6.43	111.48
11	Scholz 2	46.0	11,226	32.8	96.5	34.0	11,486	Coal	5,374	11,998	128,946	599,065	5.34	111.47
12	Smith 1	162.0	97,332	80.8	98.5	82.0	10,478	Coal	42,077	12,119	1,019,849	5,953,960	6.12	141.50
13	Smith 2	195.0	109,040	75.2	98.4	76.4	10,367	Coal	46,639	12,119	1,130,419	6,599,475	6.05	141.50
14	Smith 3	479.0	320,718	90.0	94.9	94.8	6,999	Gas	2,179,207	1,030	2,244,583	13,231,817	4.13	6.07
15	Smith A (CT)	32.0	0	0.0	97.7	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		5,714				N/A	Gas				285,986	5.01	N/A
17	Daniel 1 (1)	255.0	126,766	66.8	96.4	69.3	10,673	Coal	64,817	10,437	1,352,977	5,599,919	4.42	86.40
18	Daniel 2 (1)	255.0	128,017	67.5	96.2	70.1	10,383	Coal	63,678	10,437	1,329,205	5,501,528	4.30	86.40
19	Gas, BL							Gas	0	0	0	0	N/A	N/A
20	Ltr. Oil							Oil	328	139,400	1,918	33,900	N/A	103.50
21		2,376.0	1,341,953	75.9	96.1	79.0	9,794				13,086,825	60,781,312	4.53	

Notes:

(1) Represents Gulf's 50% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: AUGUST 2011

Line	(a) Plant/Unit	(b) Net Cap. (MW)	(c) Net Gen. (MWH)	(d) Cap. Factor (%)	(e) Equiv. Avail. Factor (%)	(f) Net Output Factor (%)	(g) Avg. Net Heat Rate (BTU/KWH)	(h) Fuel Type	(i) Fuel Burned (Units) Tons/MCF/Bbl	(j) Fuel Heat Value (BTU/Unit) Lbs/CF/Gal	(k) Fuel Burned (MMBTU)	(l) As Burned Fuel Cost (\$)	(m) Fuel Cost/ KWH (¢/KWH)	(n) Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75.0	46,978	84.2	99.1	85.0	11,096	Coal	21,998	11,848	521,263	1,958,549	4.17	89.03
2	4							Gas - G						
3	Crist 5	75.0	45,916	82.3	98.9	83.2	11,215	Coal	21,731	11,848	514,947	1,934,816	4.21	89.03
4	5							Gas - G						
5	Crist 6	291.0	161,197	74.5	96.5	77.2	11,122	Coal	75,658	11,848	1,792,827	6,736,213	4.18	89.04
6	6							Gas - G						
7	Crist 7	465.0	280,064	81.0	94.0	86.1	10,874	Coal	128,518	11,848	3,045,411	11,442,559	4.09	89.03
8	7							Gas - G						
9	Perdido		2,253					Landfill Gas				56,753	2.52	N/A
10	Scholz 1	46.0	11,118	32.5	96.9	33.5	13,242	Coal	6,135	11,998	147,223	660,111	5.94	107.60
11	Scholz 2	46.0	12,522	36.6	96.5	37.9	12,946	Coal	6,755	11,998	162,106	726,843	5.80	107.60
12	Smith 1	162.0	97,828	81.2	98.5	82.4	10,395	Coal	41,664	12,204	1,016,917	5,907,508	6.04	141.79
13	Smith 2	195.0	110,166	75.9	98.4	77.2	10,364	Coal	46,779	12,204	1,141,757	6,632,736	6.02	141.79
14	Smith 3	479.0	319,998	89.8	94.9	94.6	7,432	Gas	2,308,826	1,030	2,378,091	14,125,861	4.41	6.12
15	Smith A (CT)	32.0	0	0.0	97.7	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		5,714				N/A	Gas				285,986	5.01	N/A
17	Daniel 1 (1)	255.0	130,198	68.6	96.4	71.2	10,432	Coal	64,914	10,462	1,358,221	5,647,618	4.34	87.00
18	Daniel 2 (1)	255.0	130,268	68.7	96.2	71.4	10,354	Coal	64,463	10,462	1,348,797	5,608,430	4.31	87.00
19	Gas, BL							Gas	0	0	0	0	N/A	N/A
20	Ltr. Oil							Oil	328	139,400	1,918	33,918	N/A	103.55
21		<u>2,376.0</u>	<u>1,354,220</u>	<u>76.6</u>	<u>96.1</u>	<u>79.7</u>	<u>9,959</u>				<u>13,429,478</u>	<u>61,757,902</u>	<u>4.56</u>	

Notes:

(1) Represents Gulf's 50% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: SEPTEMBER 2011

Line	(a) Plant/Unit	(b) Net Cap. (MW)	(c) Net Gen. (MWH)	(d) Cap. Factor (%)	(e) Equiv. Avail. Factor (%)	(f) Net Output Factor (%)	(g) Avg. Net Heat Rate (BTU/KWH)	(h) Fuel Type	(i) Fuel Burned (Units) Tons/MCF/Bbl	(j) Fuel Heat Value (BTU/Unit) Lbs/CF/Gal	(k) Fuel Burned (MMBTU)	(l) As Burned Fuel Cost (\$)	(m) Fuel Cost/ KWH (¢/KWH)	(n) Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75.0	45,190	83.7	98.8	84.7	11,091	Coal	21,092	11,882	501,207	2,099,075	4.64	99.52
2	4							Gas - G						
3	Crist 5	75.0	34,010	63.0	75.8	83.1	11,042	Coal	15,803	11,882	375,533	1,572,748	4.62	99.52
4	5							Gas - G						
5	Crist 6	291.0	150,860	72.0	96.4	74.7	11,120	Coal	70,595	11,882	1,677,563	7,025,705	4.66	99.52
6	6							Gas - G						
7	Crist 7	465.0	272,888	81.5	93.9	86.8	10,604	Coal	121,772	11,882	2,893,699	12,118,933	4.44	99.52
8	7							Gas - G						
9	Perdido		2,179					Landfill Gas				54,889	2.52	N/A
10	Scholz 1	46.0	7,680	23.2	96.9	23.9	11,110	Coal	3,556	11,998	85,328	382,589	4.98	107.59
11	Scholz 2	46.0	5,412	16.3	96.4	17.0	15,104	Coal	3,406	11,998	81,741	366,507	6.77	107.61
12	Smith 1	162.0	90,442	77.5	98.6	78.6	10,341	Coal	38,093	12,276	935,264	5,393,219	5.96	141.58
13	Smith 2	195.0	99,851	71.1	98.5	72.2	10,383	Coal	42,226	12,276	1,036,755	5,978,470	5.99	141.58
14	Smith 3	479.0	257,108	74.5	94.9	78.6	7,523	Gas	1,877,878	1,030	1,934,215	11,537,592	4.49	6.14
15	Smith A (CT)	32.0	0	0.0	97.6	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		5,530				N/A	Gas				276,777	5.01	N/A
17	Daniel 1 (1)	255.0	119,988	65.4	96.0	68.1	10,513	Coal	60,375	10,447	1,261,431	5,269,227	4.39	87.27
18	Daniel 2 (1)	255.0	122,260	66.6	96.1	69.3	10,405	Coal	60,886	10,447	1,272,117	5,313,868	4.35	87.28
19	Gas, BL							Gas	0	0	0	0	N/A	N/A
20	Ltr. Oil							Oil	328	139,400	1,918	33,928	N/A	103.58
21		2,376.0	1,213,398	70.9	95.3	74.4	9,982				12,056,771	57,423,527	4.73	

Notes:

(1) Represents Gulf's 50% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: OCTOBER 2011

Line	(a) Plant/Unit	(b) Net Cap. (MW)	(c) Net Gen. (MWH)	(d) Cap. Factor (%)	(e) Equiv. Avail. Factor (%)	(f) Net Output Factor (%)	(g) Avg. Net Heat Rate (BTU/KWH)	(h) Fuel Type	(i) Fuel Burned (Units) Tons/MCF/Bbl	(j) Fuel Heat Value (BTU/Unit) Lbs/CF/Gal	(k) Fuel Burned (MMBTU)	(l) As Burned Fuel Cost (\$)	(m) Fuel Cost/ KWH (¢/KWH)	(n) Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75.0	46,509	83.3	98.8	84.4	11,031	Coal	21,582	11,886	513,040	2,093,709	4.50	97.01
2	4							Gas - G						
3	Crist 5	75.0	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
4	5							Gas - G						
5	Crist 6	291.0	155,394	71.8	96.2	74.6	11,324	Coal	74,025	11,886	1,759,677	7,181,221	4.62	97.01
6	6							Gas - G						
7	Crist 7	465.0	260,223	75.2	87.9	85.6	10,608	Coal	116,124	11,886	2,760,446	11,265,345	4.33	97.01
8	7							Gas - G						
9	Perdido		2,083					Landfill Gas				52,471	2.52	N/A
10	Scholz 1	46.0	0	0.0	96.9	0.0	N/A	Coal	0	0	0	0	N/A	N/A
11	Scholz 2	46.0	0	0.0	24.9	0.0	N/A	Coal	0	0	0	0	N/A	N/A
12	Smith 1	162.0	65,723	54.5	66.7	81.8	10,300	Coal	27,483	12,316	676,943	3,895,562	5.93	141.74
13	Smith 2	195.0	103,794	71.5	98.4	72.7	10,217	Coal	43,053	12,316	1,060,462	6,102,578	5.88	141.75
14	Smith 3	505.0	333,971	88.9	94.9	93.7	6,641	Gas	2,153,183	1,030	2,217,778	13,406,468	4.01	6.23
15	Smith A (CT)	36.0	0	0.0	97.7	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		2,860				N/A	Gas				143,143	5.01	N/A
17	Daniel 1 (1)	255.0	117,856	62.1	96.0	64.7	10,604	Coal	59,988	10,417	1,249,746	5,224,950	4.43	87.10
18	Daniel 2 (1)	255.0	88,765	46.8	71.5	65.4	10,373	Coal	44,197	10,417	920,759	3,849,519	4.34	87.10
19	Gas, BL							Gas	0	0	0	0	N/A	N/A
20	Ltr. Oil							Oil	328	139,400	1,918	33,935	N/A	103.60
21		<u>2,406.0</u>	<u>1,177,178</u>	<u>65.8</u>	<u>85.6</u>	<u>76.8</u>	<u>9,504</u>				<u>11,160,769</u>	<u>53,248,901</u>	<u>4.52</u>	

Notes:

(1) Represents Gulf's 50% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: NOVEMBER 2011

Line	(a) Plant/Unit	(b) Net Cap. (MW)	(c) Net Gen. (MWH)	(d) Cap. Factor (%)	(e) Equiv. Avail. Factor (%)	(f) Net Output Factor (%)	(g) Avg. Net Heat Rate (BTU/KWH)	(h) Fuel Type	(i) Fuel Burned (Units) Tons/MCF/Bbl	(j) Fuel Heat Value (BTU/Unit) Lbs/CF/Gal	(k) Fuel Burned (MMBTU)	(l) As Burned Fuel Cost (\$)	(m) Fuel Cost/ KWH (¢/KWH)	(n) Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75.0	44,639	82.7	98.9	83.6	10,811	Coal	20,315	11,878	482,587	1,875,741	4.20	92.33
2	4							Gas - G						
3	Crist 5	75.0	13,692	25.4	33.0	76.8	10,737	Coal	6,189	11,878	147,011	571,409	4.17	92.33
4	5							Gas - G						
5	Crist 6	291.0	133,986	63.9	96.1	66.5	10,687	Coal	60,278	11,878	1,431,913	5,565,625	4.15	92.33
6	6							Gas - G						
7	Crist 7	465.0	216,597	64.7	75.2	86.0	10,607	Coal	96,713	11,878	2,297,443	8,929,810	4.12	92.33
8	7							Gas - G						
9	Perdido		2,016					Landfill Gas				50,783	2.52	N/A
10	Scholz 1	46.0	0	0.0	96.9	0.0	N/A	Coal	0	0	0	0	N/A	N/A
11	Scholz 2	46.0	0	0.0	96.4	0.0	N/A	Coal	0	0	0	0	N/A	N/A
12	Smith 1	162.0	86,753	74.4	98.3	75.7	10,395	Coal	36,538	12,340	901,792	5,179,866	5.97	141.77
13	Smith 2	195.0	88,336	62.9	98.2	64.1	10,287	Coal	36,819	12,340	908,710	5,219,603	5.91	141.76
14	Smith 3	505.0	280,313	77.1	94.9	81.2	6,720	Gas	1,828,739	1,030	1,883,601	11,768,739	4.20	6.44
15	Smith A (CT)	36.0	0	0.0	97.6	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		5,530				N/A	Gas				276,777	5.01	N/A
17	Daniel 1 (1)	255.0	100,773	54.9	96.0	57.2	10,859	Coal	52,815	10,360	1,094,289	4,584,996	4.55	86.81
18	Daniel 2 (1)	255.0	96,801	52.7	89.9	58.6	10,680	Coal	49,898	10,360	1,033,839	4,331,717	4.47	86.81
19	Gas, BL							Gas	0	0	0	0	N/A	N/A
20	Ltr. Oil							Oil	328	139,400	1,918	33,938	N/A	103.61
21		2,406.0	1,069,436	61.7	89.6	68.9	9,571				10,183,103	48,389,004	4.52	

Notes:

(1) Represents Gulf's 50% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: DECEMBER 2011

Line	(a) Plant/Unit	(b) Net Cap. (MW)	(c) Net Gen. (MWH)	(d) Cap. Factor (%)	(e) Equiv. Avail. Factor (%)	(f) Net Output Factor (%)	(g) Avg. Net Heat Rate (BTU/KWH)	(h) Fuel Type	(i) Fuel Burned (Units) Tons/MCF/Bbl	(j) Fuel Heat Value (BTU/Unit) Lbs/CF/Gal	(k) Fuel Burned (MMBTU)	(l) As Burned Fuel Cost (\$)	(m) Fuel Cost/ KWH (¢/KWH)	(n) Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75.0	44,923	80.5	99.1	81.2	10,857	Coal	20,546	11,869	487,731	1,955,357	4.35	95.17
2	4							Gas - G						
3	Crist 5	75.0	42,105	75.5	98.9	76.3	11,000	Coal	19,511	11,869	463,152	1,856,816	4.41	95.17
4	5							Gas - G						
5	Crist 6	291.0	99,237	45.8	74.7	61.4	11,202	Coal	46,830	11,869	1,111,647	4,456,691	4.49	95.17
6	6							Gas - G						
7	Crist 7	465.0	226,069	65.3	75.8	86.2	10,606	Coal	101,007	11,869	2,397,690	9,612,549	4.25	95.17
8	7							Gas - G						
9	Perdido		2,083					Landfill Gas				52,471	2.52	N/A
10	Scholz 1	46.0	246	0.7	96.9	0.7	12,508	Coal	128	11,998	3,077	13,794	5.61	107.77
11	Scholz 2	46.0	1,290	3.8	96.5	3.9	0	Coal	0	0	0	0	0.00	N/A
12	Smith 1	162.0	76,629	63.6	85.6	74.3	10,418	Coal	32,306	12,355	798,317	4,583,867	5.98	141.89
13	Smith 2	195.0	88,605	61.1	98.1	62.3	10,451	Coal	37,474	12,355	926,015	5,317,100	6.00	141.89
14	Smith 3	584.0	341,147	78.5	94.9	82.7	7,103	Gas	2,352,518	1,030	2,423,094	15,728,303	4.61	6.69
15	Smith A (CT)	40.0	0	0.0	97.7	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		2,860				N/A	Gas				143,143	5.01	N/A
17	Daniel 1 (1)	255.0	103,397	54.5	96.0	56.8	10,871	Coal	53,784	10,449	1,124,030	4,721,347	4.57	87.78
18	Daniel 2 (1)	255.0	105,991	55.9	96.2	58.1	10,696	Coal	54,246	10,449	1,133,675	4,761,862	4.49	87.78
19	Gas, BL							Gas	0	0	0	0	N/A	N/A
20	Ltr. Oil							Oil	328	139,400	1,918	33,941	N/A	103.62
21		2,489.0	1,134,582	61.3	89.2	68.7	9,605				10,870,346	53,237,241	4.69	

Notes:

(1) Represents Gulf's 50% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: JANUARY 2011 - DECEMBER 2011

Line	(a) Plant/Unit	(b) Net Cap. (MW)	(c) Net Gen. (MWH)	(d) Cap. Factor (%)	(e) Equiv. Avail. Factor (%)	(f) Net Output Factor (%)	(g) Avg. Net Heat Rate (BTU/KWH)	(h) Fuel Type	(i) Fuel Burned (Units) Tons/MCF/Bbl	(j) Fuel Heat Value (BTU/Unit) Lbs/CF/Gal	(k) Fuel Burned (MMBTU)	(l) As Burned Fuel Cost (\$)	(m) Fuel Cost/ KWH (¢/KWH)	(n) Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75.0	508,892	77.5	97.6	79.4	11,038	Coal	237,733	11,811	5,617,087	24,702,661	4.85	103.91
2	4							Gas - G						
3	Crist 5	75.0	398,369	60.6	81.2	74.7	11,135	Coal	187,954	10,820	4,435,663	19,743,161	4.96	105.04
4	5							Gas - G						
5	Crist 6	291.0	1,247,400	48.9	71.5	68.4	11,121	Coal	586,343	9,852	13,872,626	58,319,748	4.68	99.46
6	6							Gas - G						
7	Crist 7	465.0	2,801,836	68.8	82.5	83.4	10,650	Coal	1,263,198	11,811	29,840,032	130,544,315	4.66	103.34
8	7							Gas - G						
9	Perdido		25,363					Landfill Gas				638,895	2.52	N/A
10	Scholz 1	46.0	43,607	10.8	96.9	11.2	11,789	Coal	21,424	6,999	514,103	2,367,493	5.43	110.51
11	Scholz 2	46.0	35,801	8.9	90.5	9.8	11,560	Coal	17,247	4,999	413,872	1,896,525	5.30	109.96
12	Smith 1	162.0	951,850	67.1	88.6	75.7	10,457	Coal	409,920	12,136	9,953,918	57,395,591	6.03	140.02
13	Smith 2	195.0	1,073,346	62.8	95.4	65.9	10,426	Coal	460,611	12,136	11,190,195	64,563,871	6.02	140.17
14	Smith 3	507.3	3,517,639	79.2	92.3	85.7	6,963	Gas	23,780,440	1,030	24,493,854	147,491,326	4.19	6.20
15	Smith A (CT)	35.7	0	0.0	97.7	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		50,524				N/A	Gas				2,528,728	5.01	N/A
17	Daniel 1 (1)	255.0	1,457,607	65.3	94.0	69.4	10,518	Coal	738,940	10,377	15,331,732	62,970,857	4.32	85.22
18	Daniel 2 (1)	255.0	1,183,096	53.0	76.5	69.2	10,417	Coal	591,935	8,675	12,324,875	50,932,779	4.31	86.04
19	Gas, BL							Gas	0	0	0	0	N/A	N/A
20	Ltr. Oil							Oil	3,931	139,400	23,016	404,847	N/A	103.00
21		2,407.9	13,295,330	63.0	86.4	73.0	9,665				128,010,973	624,500,797	4.70	

Notes:

(1) Represents Gulf's 50% Ownership

**SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2011 - DECEMBER 2011**

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
LIGHT OIL													
1 PURCHASES :													
2 UNITS (BBL)	729	708	984	984	995	1,005	1,005	1,005	1,005	939	984	995	11,338
3 UNIT COST (\$/BBL)	103.15	103.13	102.94	102.94	102.95	102.96	102.96	102.96	102.96	102.94	102.94	102.95	102.98
4 AMOUNT (\$)	75,208	73,064	101,290	101,290	102,481	103,436	103,436	103,436	103,436	96,697	101,292	102,481	1,167,547
5 BURNED :													
6 UNITS (BBL)	328	328	328	328	328	328	328	328	328	328	328	328	3,931
7 UNIT COST (\$/BBL)	100.54	101.80	102.55	102.99	103.25	103.40	103.50	103.55	103.58	103.60	103.61	103.62	102.99
8 AMOUNT (\$)	32,932	33,344	33,589	33,733	33,819	33,870	33,900	33,918	33,928	33,935	33,938	33,941	404,847
9 ENDING INVENTORY :													
10 UNITS (BBL)	36,058	36,439	37,096	37,752	38,420	39,097	39,774	40,451	41,128	41,740	42,397	43,064	
11 UNIT COST (\$/BBL)	57.40	57.89	58.69	59.46	60.22	60.95	61.66	62.35	63.01	63.59	64.20	64.79	
12 AMOUNT (\$)	2,069,874	2,109,594	2,177,295	2,244,852	2,313,514	2,383,080	2,452,616	2,522,134	2,591,642	2,654,404	2,721,758	2,790,298	
13 DAYS SUPPLY:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COAL													
14 PURCHASES :													
15 UNITS (TONS)	256,500	281,500	331,500	372,000	377,500	357,483	407,429	460,000	431,000	387,397	354,494	364,446	4,381,249
16 UNIT COST (\$/TON)	111.93	111.00	109.62	111.39	114.69	92.63	94.90	99.13	106.01	100.81	97.55	105.17	104.09
17 AMOUNT (\$)	28,709,919	31,246,916	36,339,546	41,436,045	43,293,651	33,113,012	38,666,323	45,597,840	45,688,261	39,051,562	34,579,533	38,328,317	456,050,925
18 BURNED :													
19 UNITS (TONS)	242,847	252,188	322,866	340,855	413,224	443,843	471,214	478,615	437,804	386,452	359,565	365,832	4,515,305
20 UNIT COST (\$/TON)	113.14	114.70	107.89	112.08	108.41	103.87	100.11	98.73	103.97	102.50	100.84	101.90	104.85
21 AMOUNT (\$)	27,476,195	28,925,615	34,834,400	38,201,706	44,798,585	46,100,885	47,172,856	47,255,384	45,520,341	39,612,884	36,258,767	37,279,383	473,437,001
22 ENDING INVENTORY :													
23 UNITS (TONS)	889,509	918,821	927,455	958,600	922,876	836,516	772,731	754,116	747,312	748,257	743,186	741,800	
24 UNIT COST (\$/TON)	104.98	104.15	104.81	104.78	107.20	102.74	100.22	100.49	101.63	100.75	99.18	100.78	
25 AMOUNT (\$)	93,378,195	95,699,496	97,204,642	100,438,981	98,934,047	85,946,174	77,439,641	75,782,097	75,950,017	75,388,695	73,709,461	74,758,395	
26 DAYS SUPPLY:	43	44	45	46	45	40	37	36	36	36	36	36	36

(1) Data excludes Gulf's CT in Santa Rosa County because MCF and MMBTU's are not available due to contract specifications.

**SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2011 - DECEMBER 2011**

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL	
GAS (1)														
27	BURNED :													
28	UNITS (MMBTU)	2,100,081	1,452,013	2,201,120	2,104,234	1,517,729	2,037,315	2,244,583	2,378,091	1,934,215	2,217,778	1,883,601	2,423,094	24,493,854
29	UNIT COST (\$/MMBTU)	6.10	6.08	5.97	5.79	5.81	5.84	5.90	5.94	5.96	6.04	6.25	6.49	6.02
30	AMOUNT (\$)	12,818,901	8,820,979	13,149,491	12,187,729	8,813,452	11,901,994	13,231,817	14,125,861	11,537,592	13,406,468	11,768,739	15,728,303	147,491,326
OTHER - C.T. OIL														
31	PURCHASES :													
32	UNITS (BBL)	0	0	0	0	0	0	0	0	0	0	0	0	0
33	UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	AMOUNT (\$)	0	0	0	0	0	0	0	0	0	0	0	0	0
35	BURNED :													
36	UNITS (BBL)	0	0	0	0	0	0	0	0	0	0	0	0	0
37	UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	AMOUNT (\$)	0	0	0	0	0	0	0	0	0	0	0	0	0
39	ENDING INVENTORY :													
40	UNITS (BBL)	7,143	7,143	7,143	7,143	7,143	7,143	7,143	7,143	7,143	7,143	7,143	7,143	7,143
41	UNIT COST (\$/BBL)	88.16	88.16	88.16	88.16	88.16	88.16	88.16	88.16	88.16	88.16	88.16	88.16	88.16
42	AMOUNT (\$)	629,684	629,684	629,684	629,684	629,684	629,684	629,684	629,684	629,684	629,684	629,684	629,684	629,684
43	DAYS SUPPLY:	4	4	4	4	4	4	4	4	4	4	4	4	4

(1) Data excludes Gulf's CT in Santa Rosa County because MCF and MMBTU's are not available due to contract specifications.

POWER SOLD
GULF POWER COMPANY
 ESTIMATED FOR THE PERIOD OF: JANUARY 2011 - DECEMBER 2011

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
LINE	MONTH TYPE & SCHEDULE	TOTAL KWH SOLD	KWH WHEELED FROM OTHER SYSTEMS	KWH FROM OWN GENERATION	(A) FUEL ¢ / KWH COST	(B) TOTAL COST	TOTAL \$ FOR FUEL ADJUSTMENT	TOTAL COST \$
JANUARY								
1	Southern Co. Interchange	46,004,000	0	46,004,000	3.75	4.04	1,723,000	1,857,000
2	Economy Sales	14,891,000	0	14,891,000	3.59	4.04	535,000	601,000
3	Gain on Economy Sales	0	0	0	0.00	0.00	88,000	88,000
4	TOTAL ESTIMATED SALES	60,895,000	0	60,895,000	3.85	4.18	2,346,000	2,546,000
FEBRUARY								
5	Southern Co. Interchange	50,361,000	0	50,361,000	3.66	3.94	1,845,000	1,984,000
6	Economy Sales	16,839,000	0	16,839,000	3.43	3.91	577,000	658,000
7	Gain on Economy Sales	0	0	0	0.00	0.00	99,000	99,000
8	TOTAL ESTIMATED SALES	67,200,000	0	67,200,000	3.75	4.08	2,521,000	2,741,000
MARCH								
9	Southern Co. Interchange	144,915,000	0	144,915,000	3.55	3.86	5,140,000	5,596,000
10	Economy Sales	13,004,000	0	13,004,000	3.49	4.01	454,000	522,000
11	Gain on Economy Sales	0	0	0	0.00	0.00	76,000	76,000
12	TOTAL ESTIMATED SALES	157,919,000	0	157,919,000	3.59	3.92	5,670,000	6,194,000
APRIL								
13	Southern Co. Interchange	180,342,000	0	180,342,000	3.78	4.07	6,824,000	7,347,000
14	Economy Sales	12,764,000	0	12,764,000	3.81	4.23	486,000	540,000
15	Gain on Economy Sales	0	0	0	0.00	0.00	75,000	75,000
16	TOTAL ESTIMATED SALES	193,106,000	0	193,106,000	3.82	4.12	7,385,000	7,962,000
MAY								
17	Southern Co. Interchange	127,323,000	0	127,323,000	4.16	4.46	5,299,000	5,674,000
18	Economy Sales	13,966,000	0	13,966,000	3.98	4.42	556,000	617,000
19	Gain on Economy Sales	0	0	0	0.00	0.00	82,000	82,000
20	TOTAL ESTIMATED SALES	141,289,000	0	141,289,000	4.20	4.51	5,937,000	6,373,000
JUNE								
21	Southern Co. Interchange	135,061,000	0	135,061,000	4.88	5.16	6,586,000	6,963,000
22	Economy Sales	10,029,000	0	10,029,000	4.54	4.91	455,000	492,000
23	Gain on Economy Sales	0	0	0	0.00	0.00	59,000	59,000
24	TOTAL ESTIMATED SALES	145,090,000	0	145,090,000	4.89	5.18	7,100,000	7,514,000

SCHEDULE E-6
 Page 2 of 2

POWER SOLD
 GULF POWER COMPANY
 ESTIMATED FOR THE PERIOD OF: JANUARY 2011 - DECEMBER 2011

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
MONTH		TOTAL	KWH	KWH	(A)	(B)	TOTAL \$	
LINE	TYPE & SCHEDULE	KWH SOLD	WHEELED FROM OTHER SYSTEMS	FROM OWN GENERATION	FUEL COST	TOTAL COST	FOR FUEL ADJUSTMENT	TOTAL COST \$
JULY								
1	Southern Co. Interchange	136,167,000	0	136,167,000	5.07	5.34	6,902,000	7,274,000
2	Economy Sales	9,455,000	0	9,455,000	4.70	5.07	444,000	479,000
3	Gain on Economy Sales	0	0	0	0.00	0.00	55,000	55,000
4	TOTAL ESTIMATED SALES	<u>145,622,000</u>	<u>0</u>	<u>145,622,000</u>	<u>5.08</u>	<u>5.36</u>	<u>7,401,000</u>	<u>7,808,000</u>
AUGUST								
5	Southern Co. Interchange	166,876,000	0	166,876,000	5.17	5.46	8,631,000	9,112,000
6	Economy Sales	12,543,000	0	12,543,000	4.57	4.96	573,000	622,000
7	Gain on Economy Sales	0	0	0	0.00	0.00	74,000	74,000
8	TOTAL ESTIMATED SALES	<u>179,419,000</u>	<u>0</u>	<u>179,419,000</u>	<u>5.17</u>	<u>5.47</u>	<u>9,278,000</u>	<u>9,808,000</u>
SEPTEMBER								
9	Southern Co. Interchange	170,614,000	0	170,614,000	4.83	5.12	8,247,000	8,741,000
10	Economy Sales	9,311,000	0	9,311,000	4.55	4.93	424,000	459,000
11	Gain on Economy Sales	0	0	0	0.00	0.00	54,000	54,000
12	TOTAL ESTIMATED SALES	<u>179,925,000</u>	<u>0</u>	<u>179,925,000</u>	<u>4.85</u>	<u>5.14</u>	<u>8,725,000</u>	<u>9,254,000</u>
OCTOBER								
13	Southern Co. Interchange	211,261,000	0	211,261,000	4.15	4.48	8,767,000	9,460,000
14	Economy Sales	14,705,000	0	14,705,000	4.18	4.50	615,000	662,000
15	Gain on Economy Sales	0	0	0	0.00	0.00	87,000	87,000
16	TOTAL ESTIMATED SALES	<u>225,966,000</u>	<u>0</u>	<u>225,966,000</u>	<u>4.19</u>	<u>4.52</u>	<u>9,469,000</u>	<u>10,209,000</u>
NOVEMBER								
17	Southern Co. Interchange	221,299,000	0	221,299,000	3.97	4.28	8,795,000	9,478,000
18	Economy Sales	17,283,000	0	17,283,000	3.85	4.36	666,000	753,000
19	Gain on Economy Sales	0	0	0	0.00	0.00	102,000	102,000
20	TOTAL ESTIMATED SALES	<u>238,582,000</u>	<u>0</u>	<u>238,582,000</u>	<u>4.01</u>	<u>4.33</u>	<u>9,563,000</u>	<u>10,333,000</u>
DECEMBER								
21	Southern Co. Interchange	209,404,000	0	209,404,000	4.06	4.34	8,507,000	9,092,000
22	Economy Sales	18,815,000	0	18,815,000	3.83	4.29	720,000	808,000
23	Gain on Economy Sales	0	0	0	0.00	0.00	110,000	110,000
24	TOTAL ESTIMATED SALES	<u>228,219,000</u>	<u>0</u>	<u>228,219,000</u>	<u>4.09</u>	<u>4.39</u>	<u>9,337,000</u>	<u>10,010,000</u>
TOTAL								
25	Southern Co. Interchange	1,799,627,000	0	1,799,627,000	4.29	4.59	77,266,000	82,578,000
26	Economy Sales	163,605,000	0	163,605,000	3.98	4.41	6,505,000	7,213,000
27	Gain on Economy Sales	0	0	0	0.00	0.00	961,000	961,000
28	TOTAL ESTIMATED SALES	<u>1,963,232,000</u>	<u>0</u>	<u>1,963,232,000</u>	<u>4.32</u>	<u>4.62</u>	<u>84,732,000</u>	<u>90,752,000</u>

SCHEDULE E-7

**PURCHASED POWER
GULF POWER COMPANY
(EXCLUSIVE OF ECONOMY ENERGY PURCHASES)**

ESTIMATED FOR THE PERIOD OF: JANUARY 2011 - DECEMBER 2011

(1) MONTH	(2) PURCHASED FROM	(3) TYPE & SCHED	(4) TOTAL KWH PURCH.	(5) KWH FOR OTHER UTILITIES	(6) KWH FOR INTERRUPTIBLE	(7) KWH FOR FIRM	(8) ¢ / KWH		(9) TOTAL \$ FOR FUEL ADJ.
							(A) FUEL COST	(B) TOTAL COST	
January	NONE								
February	NONE								
March	NONE								
April	NONE								
May	NONE								
June	NONE								
July	NONE								
August	NONE								
September	NONE								
October	NONE								
November	NONE								
December	NONE								
Total	NONE								

SCHEDULE E-8

ENERGY PAYMENT TO QUALIFYING FACILITIES
 GULF POWER COMPANY
 ESTIMATED FOR THE PERIOD OF: JANUARY 2011 - DECEMBER 2011

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)
MONTH	PURCHASED FROM:	TYPE AND SCHEDULE	TOTAL KWH PURCHASED	KWH FOR OTHER UTILITIES	KWH FOR INTERRUPTIBLE	KWH FOR FIRM	¢/KWH		TOTAL \$ FOR FUEL ADJ.
							(A) FUEL COST	(B) TOTAL COST	
JANUARY		COG-1							
FEBRUARY		COG-1							
MARCH		COG-1							
APRIL		COG-1							
MAY		COG-1							
JUNE		COG-1							
JULY		COG-1							
AUGUST		COG-1							
SEPTEMBER		COG-1							
OCTOBER		COG-1							
NOVEMBER		COG-1							
DECEMBER		COG-1							
TOTAL			<u>0</u>			<u>0</u>			<u>0</u>

SCHEDULE E-9
 Page 1 of 2

**ECONOMY ENERGY PURCHASES
 GULF POWER COMPANY
 ESTIMATED FOR THE PERIOD OF: JANUARY 2011 - DECEMBER 2011**

(1)	(2)	(3)	(4)	(5)
MONTH		TOTAL KWH	TRANSACTION COST	TOTAL \$ FOR
LINE	TYPE & SCHEDULE	PURCHASED	¢ / KWH	FUEL ADJ.
JANUARY				
1	Southern Co. Interchange	167,675,000	3.56	5,962,000
2	Economy Energy	5,751,000	3.86	222,000
3	Other Purchases	2,770,000	5.02	139,000
4	TOTAL ESTIMATED PURCHASES	176,196,000	3.59	6,323,000
FEBRUARY				
5	Southern Co. Interchange	105,555,000	3.36	3,546,000
6	Economy Energy	5,458,000	3.76	205,000
7	Other Purchases	2,679,000	4.85	130,000
8	TOTAL ESTIMATED PURCHASES	113,692,000	3.41	3,881,000
MARCH				
9	Southern Co. Interchange	30,976,000	3.39	1,050,000
10	Economy Energy	4,147,000	3.52	146,000
11	Other Purchases	2,120,000	4.62	98,000
12	TOTAL ESTIMATED PURCHASES	37,243,000	3.47	1,294,000
APRIL				
13	Southern Co. Interchange	26,187,000	2.95	773,000
14	Economy Energy	4,712,000	3.86	182,000
15	Other Purchases	4,155,000	4.40	183,000
16	TOTAL ESTIMATED PURCHASES	35,054,000	3.25	1,138,000
MAY				
17	Southern Co. Interchange	60,110,000	3.00	1,802,000
18	Economy Energy	5,170,000	4.24	219,000
19	Other Purchases	7,359,000	4.40	324,000
20	TOTAL ESTIMATED PURCHASES	72,639,000	3.23	2,345,000
JUNE				
21	Southern Co. Interchange	62,364,000	2.80	1,744,000
22	Economy Energy	7,009,000	5.06	355,000
23	Other Purchases	27,677,000	4.56	1,263,000
24	TOTAL ESTIMATED PURCHASES	97,050,000	3.46	3,362,000

SCHEDULE E-9
Page 2 of 2

ECONOMY ENERGY PURCHASES
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2011 - DECEMBER 2011

(1)	(2)	(3)	(4)	(5)
MONTH		TOTAL KWH	TRANSACTION COST	TOTAL \$ FOR
LINE	TYPE & SCHEDULE	PURCHASED	¢ / KWH	FUEL ADJ.
JULY				
1	Southern Co. Interchange	40,592,000	3.57	1,451,000
2	Economy Energy	6,420,000	5.25	337,000
3	Other Purchases	46,148,000	5.26	2,426,000
4	TOTAL ESTIMATED PURCHASES	93,160,000	4.52	4,214,000
AUGUST				
5	Southern Co. Interchange	46,102,000	4.30	1,981,000
6	Economy Energy	7,867,000	5.17	407,000
7	Other Purchases	49,996,000	5.34	2,672,000
8	TOTAL ESTIMATED PURCHASES	103,965,000	4.87	5,060,000
SEPTEMBER				
9	Southern Co. Interchange	62,232,000	3.20	1,993,000
10	Economy Energy	5,705,000	5.12	292,000
11	Other Purchases	12,595,000	4.72	594,000
12	TOTAL ESTIMATED PURCHASES	80,532,000	3.57	2,879,000
OCTOBER				
13	Southern Co. Interchange	39,488,000	3.23	1,274,000
14	Economy Energy	3,461,000	3.76	130,000
15	Other Purchases	5,504,000	4.63	255,000
16	TOTAL ESTIMATED PURCHASES	48,453,000	3.42	1,659,000
NOVEMBER				
17	Southern Co. Interchange	26,417,000	3.40	897,000
18	Economy Energy	2,117,000	3.59	76,000
19	Other Purchases	1,522,000	4.86	74,000
20	TOTAL ESTIMATED PURCHASES	30,056,000	3.48	1,047,000
DECEMBER				
21	Southern Co. Interchange	36,935,000	3.35	1,236,000
22	Economy Energy	2,115,000	3.88	82,000
23	Other Purchases	2,137,000	5.38	115,000
24	TOTAL ESTIMATED PURCHASES	41,187,000	3.48	1,433,000
TOTAL FOR PERIOD				
25	Southern Co. Interchange	704,633,000	3.36	23,709,000
26	Economy Energy	59,932,000	4.43	2,653,000
27	Other Purchases	164,662,000	5.02	8,273,000
28	TOTAL ESTIMATED PURCHASES	929,227,000	3.73	34,635,000

SCHEDULE E-10

**GULF POWER COMPANY
 RESIDENTIAL BILL COMPARISON
 FOR MONTHLY USAGE OF 1,000 KWH
 ESTIMATED FOR THE PERIOD OF: JANUARY 2011 - DECEMBER 2011**

	Current Approved Jan. 10 - Dec. 10 (\$/1,000 kWh)	Proposed Jan. 11 - Dec. 11 (\$/1,000 kWh)	Difference from Current (\$)	Difference from Current (%)
Base Rate	\$ 49.30	\$ 49.30	\$ -	0.0%
Fuel Cost Recovery	53.71	51.31	(2.40)	-4.5%
Capacity Cost Recovery	5.02	4.76	(0.26)	-5.2%
Energy Conservation Cost Recovery *	1.08	1.08	-	0.0%
Environmental Cost Recovery	13.91	13.43	(0.48)	-3.5%
Subtotal	\$ 123.02	\$ 119.88	\$ (3.14)	-2.6%
Gross Receipts Tax	3.16	3.08	(0.08)	-2.5%
Total	\$ 126.18	\$ 122.96	\$ (3.22)	-2.6%

** For purposes of this comparison, the Energy Conservation factor has not yet been updated. The proposed 2011 Energy Conservation factor will be updated and filed with the FPSC on September 10, 2010.*

SCHEDULE E-11

**ESTIMATED AS-AVAILABLE AVOIDED ENERGY COST
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2011 - DECEMBER 2011**

	<u>TOTAL</u> <u>¢ / KWH</u>
2011 JANUARY	4.186
FEBRUARY	4.186
MARCH	4.186
APRIL	4.479
MAY	4.479
JUNE	4.479
JULY	4.479
AUGUST	4.479
SEPTEMBER	4.479
OCTOBER	4.479
NOVEMBER	4.186
DECEMBER	4.186
2012 JANUARY	4.783
FEBRUARY	4.783
MARCH	4.783
APRIL	5.157
MAY	5.157
JUNE	5.157
JULY	5.157
AUGUST	5.157
SEPTEMBER	5.157
OCTOBER	5.157
NOVEMBER	4.783
DECEMBER	4.783

SCHEDULE H1

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
 GULF POWER COMPANY
 ESTIMATED FOR THE PERIOD OF: JANUARY 2011 - DECEMBER 2011

LINE	LINE DESCRIPTION	2008	2009	2010	2011	% Change		
						2008 to 2009	2009 to 2010	2010 to 2011
FUEL COST OF SYSTEM NET GENERATION (\$)								
1	LIGHTER OIL (B.L.)	1,069,815	1,772,426	341,742	404,847	65.68	(80.72)	18.47
2	COAL	380,263,720	564,943,287	554,756,105	473,437,001	48.57	(1.80)	(14.66)
3	COAL at Scherer	29,281,559	35,472,672	28,740,327	0	21.14	(18.98)	(100.00)
4	GAS	215,174,969	209,618,247	86,398,515	147,491,326	(2.58)	(58.78)	70.71
5	GAS (B.L.)	625,887	401,781	0	0	(35.81)	(100.00)	0.00
6	LANDFILL GAS	0	0	0	638,895	0.00	0.00	100.00
7	OTHER - C.T.	214,596	0	0	0	(100.00)	0.00	0.00
8	OTHER GENERATION	2,920,047	6,322,495	5,841,400	2,528,728	116.52	(7.61)	(56.71)
9	TOTAL (\$)	<u>629,550,593</u>	<u>818,530,908</u>	<u>676,078,089</u>	<u>624,500,797</u>	30.02	(17.40)	(7.63)
SYSTEM NET GENERATION (MWH)								
10	COAL	14,715,720	13,836,410	12,370,288	9,701,804	(5.98)	(10.60)	(21.57)
11	GAS	2,869,550	2,376,890	1,609,503	3,517,639	(17.17)	(32.29)	118.55
12	LANDFILL GAS	0	0	0	25,363	0.00	0.00	100.00
13	OTHER - C.T.	740	0	0	0	(100.00)	0.00	0.00
14	OTHER GENERATION	75,290	112,540	112,551	50,524	49.48	0.01	(55.11)
15	TOTAL (MWH)	<u>17,661,300</u>	<u>16,325,840</u>	<u>14,092,342</u>	<u>13,295,330</u>	(7.56)	(13.68)	(5.66)
UNITS OF FUEL BURNED								
16	LIGHTER OIL (BBL)	12,591	11,478	4,612	3,931	(8.84)	(59.82)	(14.77)
17	COAL (TON)	5,864,125	5,512,917	5,205,722	4,515,305	(5.99)	(5.57)	(13.26)
18	GAS (MCF)	20,411,669	16,564,633	12,057,632	23,780,440	(18.85)	(27.21)	97.22
19	OTHER - C.T. (BBL)	2,768	0	0	0	(100.00)	0.00	0.00
BTU'S BURNED (MMBTU)								
20	COAL + GAS B.L. + OIL B.L.	149,864,972	143,434,955	131,513,652	103,517,119	(4.29)	(8.31)	(21.29)
21	GAS - Generation	20,953,690	17,029,543	12,419,365	24,493,854	(18.73)	(27.07)	97.22
22	OTHER - C.T.	16,204	0	0	0	(100.00)	0.00	0.00
23	TOTAL (MMBTU)	<u>170,834,866</u>	<u>160,464,498</u>	<u>143,933,017</u>	<u>128,010,973</u>	(6.07)	(10.30)	(11.06)
GENERATION MIX (% MWH)								
24	COAL + GAS B.L. + OIL B.L.	83.32	84.75	87.78	72.97	1.72	3.58	(16.87)
25	GAS - Generation	16.25	14.56	11.42	26.46	(10.40)	(21.57)	131.70
26	LANDFILL GAS	0.00	0.00	0.00	0.19	0.00	0.00	100.00
27	OTHER - C.T.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	OTHER GENERATION	0.43	0.69	0.80	0.38	60.47	15.94	(52.50)
29	TOTAL (% MWH)	<u>100.00</u>	<u>100.00</u>	<u>100.00</u>	<u>100.00</u>	0.00	0.00	0.00
FUEL COST PER UNIT								
30	LIGHTER OIL B.L. (\$/BBL)	84.96	154.42	74.11	103.00	81.76	(52.01)	38.98
31	COAL (\$/TON)	64.85	102.48	106.57	104.85	58.03	3.99	(1.61)
32	GAS +B.L. (\$/MCF)	10.57	12.68	7.17	6.20	19.96	(43.45)	(13.53)
33	OTHER - C.T.	77.54	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
FUEL COST (\$)/MMBTU								
34	COAL + GAS B.L. + OIL B.L.	2.74	4.20	4.44	4.58	53.28	5.71	3.15
35	GAS - Generation	10.27	12.31	6.96	6.02	19.86	(43.46)	(13.51)
36	OTHER - C.T.	13.24	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
37	TOTAL (\$/MMBTU)	<u>3.67</u>	<u>5.06</u>	<u>4.66</u>	<u>4.86</u>	<u>37.87</u>	<u>(7.91)</u>	<u>4.29</u>
BTU BURNED / KWH								
38	COAL + GAS B.L. + OIL B.L.	10,184	10,366	10,631	10,670	1.79	2.56	0.37
39	GAS - Generation	7,302	7,165	7,716	6,963	(1.88)	7.69	(9.76)
40	OTHER - C.T.	21,897	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
41	TOTAL (BTU/KWH)	<u>9,714</u>	<u>9,897</u>	<u>10,296</u>	<u>9,665</u>	<u>1.88</u>	<u>4.03</u>	<u>(6.13)</u>
FUEL COST (¢ / KWH)								
42	COAL + GAS B.L. + OIL B.L.	2.79	4.36	4.72	4.88	56.27	8.26	3.39
43	GAS - Generation	7.50	8.82	5.37	4.19	17.60	(39.12)	(21.97)
44	LANDFILL GAS	#N/A	#N/A	#N/A	2.52	#N/A	#N/A	#N/A
45	OTHER - C.T.	29.00	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
46	OTHER GENERATION	3.88	5.62	5.19	5.01	44.85	(7.65)	(3.47)
47	TOTAL (¢ / KWH)	<u>3.56</u>	<u>5.01</u>	<u>4.80</u>	<u>4.70</u>	<u>40.73</u>	<u>(4.19)</u>	<u>(2.08)</u>

Projected Purchased Power Capacity Payments / (Receipts)
Gulf Power Company
For January 2011 - December 2011

	January	February	March	April	May	June	July	August	September	October	November	December	Total
1 Projected IIC Payments / (Receipts) (\$)	(71,269)	113,214	(286,187)	36,091	100,497	1,302,568	3,894,665	2,495,183	1,614,456	142,467	81,793	(39,037)	9,384,441
2 Other Capacity Payments / (Receipts) (\$)	1,577,000	1,577,000	1,476,000	1,476,000	5,272,803	6,275,000	6,275,000	6,276,000	6,275,000	1,476,000	1,476,000	1,476,000	40,907,803
3 Projected Transmission Revenue	(23,000)	(26,000)	(20,000)	(20,000)	(22,000)	(15,000)	(15,000)	(19,000)	(14,000)	(23,000)	(27,000)	(29,000)	(253,000)
4 Total Projected Capacity Payments / (Receipts) (Line 1 + 2 + 3) (\$)	1,482,731	1,664,214	1,169,813	1,492,091	5,351,300	7,562,568	10,154,665	8,752,183	7,875,456	1,595,467	1,530,793	1,407,963	50,039,244
5 Jurisdictional %	0.9644582	0.9644582	0.9644582	0.9644582	0.9644582	0.9644582	0.9644582	0.9644582	0.9644582	0.9644582	0.9644582	0.9644582	
6 Projected Jurisdictional Capacity Payments / (Receipts) (Line 4 x Line 5) (\$)	1,430,032	1,605,065	1,128,236	1,439,059	5,161,105	7,293,781	9,793,750	8,441,115	7,595,548	1,538,761	1,476,386	1,357,921	48,260,759
7 True-Up (\$)													(3,163,680)
8 Total Jurisdictional Amount to be Recovered (Line 6 + Line 7) (\$)													45,097,079
9 Revenue Tax Multiplier													1.00072
10 Total Recoverable Capacity Payments / (Receipts) (Line 8 x Line 9) (\$)													45,129,549

Calculation of Jurisdictional % *

	12 CP KW	%
FPSC	1,853,699.42	96.44582%
FERC	68,311.81	3.55418%
Total	1,922,011.23	100.00000%

* Based on 2009 Actual Data

Schedule CCE-1A

**PURCHASED POWER CAPACITY COST RECOVERY CLAUSE
CALCULATION OF TRUE-UP
GULF POWER COMPANY
TO BE INCLUDED IN THE PERIOD JANUARY 2011 - DECEMBER 2011**

1. Estimated over/(under)-recovery, January 2010 - December 2010 (Schedule CCE-1B, Line 15 + Line 18)	\$545,466
2. Final True-Up, January 2009 - December 2009 (Exhibit RWD-1 filed March 12, 2010)	<u>2,618,214</u>
3. Total Over/(Under)-Recovery (Line 1 + 2) (To be included in January 2011 - December 2011)	<u>\$3,163,680</u>
4. Jurisdictional KWH sales, January 2011 - December 2011	<u>11,188,303,000</u>
5. True-up Factor (Line 3 / Line 4) x 100 (¢/KWH)	<u><u>(0.0283)</u></u>

**PURCHASED POWER CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ESTIMATED TRUE-UP AMOUNT
GULF POWER COMPANY
FOR THE PERIOD JANUARY 2010 - DECEMBER 2010**

	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	Total
1 IIC Payments/(Receipts) (\$)	(40,921)	119,833	(263,892)	41,791	100,025	1,294,689	3,894,665	2,495,183	1,614,456	142,467	81,793	(39,037)	9,441,052
2 Other Capacity Payments / (Receipts) (\$)	1,222,069	1,222,069	954,981	954,981	2,141,559	6,283,022	8,812,587	6,283,400	6,282,400	1,483,400	1,483,400	1,483,400	38,607,268
3 Transmission Revenue (\$)	(12,639)	(3,612)	(2,003)	(2,749)	(6,767)	(8,495)	(5,000)	(7,000)	(5,000)	(8,000)	(10,000)	(11,000)	(82,265)
4 Total Capacity Payments/(Receipts) (\$)	1,168,509	1,338,290	689,086	994,023	2,234,817	7,569,216	12,702,252	8,771,563	7,891,856	1,617,867	1,555,193	1,433,363	47,966,055
5 Jurisdictional %	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	
6 Jurisdictional Capacity Payments/(Receipts) (Line 4 x Line 5) (\$)	1,126,895	1,290,401	664,428	958,453	2,154,846	7,298,359	12,247,715	8,457,701	7,609,454	1,559,973	1,499,542	1,382,072	46,249,638
7 Retail KWH Sales							1,135,042,000	1,123,730,000	984,276,000	886,399,000	760,838,000	829,940,000	
8 Purchased Power Capacity Cost Recovery Factor (¢/KWH)							0.428	0.428	0.428	0.428	0.428	0.428	
9 Capacity Cost Recovery Revenues (Line 7 x Line 8/100) (\$)	4,272,646	3,803,398	3,265,920	3,037,028	4,177,165	4,831,257	4,857,980	4,809,564	4,212,701	3,793,788	3,256,387	3,552,143	47,869,977
10 Revenue Taxes (Line 9 x .00072) (\$)	3,076	2,738	2,351	2,187	3,008	3,479	3,498	3,463	3,033	2,732	2,345	2,558	34,468
11 True-Up Provision (\$)	(92,284)	(92,284)	(92,284)	(92,284)	(92,284)	(92,284)	(92,284)	(92,284)	(92,284)	(92,284)	(92,284)	(92,286)	(1,107,410)
Capacity Cost Recovery Revenues net of Revenue Taxes (Line 9 - Line 10 + Line 11) (\$)	4,177,286	3,708,376	3,171,285	2,942,557	4,081,873	4,735,494	4,762,198	4,713,817	4,117,384	3,698,772	3,161,758	3,457,299	46,728,099
13 Over/(Under) Recovery (Line 12 - Line 6) (\$)	3,050,591	2,417,975	2,506,857	1,984,104	1,927,027	(2,562,865)	(7,485,517)	(3,743,884)	(3,492,070)	2,138,799	1,662,216	2,075,227	478,461
14 Interest Provision (\$)	515	1,010	1,491	1,987	3,072	3,653	2,265	653	(376)	(547)	35	607	14,365
15 Total Estimated True-Up for the Period January 2010 - December 2010 (Line 13 + Line 14) (\$)													492,826

NOTE: Interest is Calculated for July through December at June 2010 monthly rate of 0.0292%

16 Beginning Balance True-Up & Interest Provision (\$)	1,510,805	4,654,195	7,165,464	9,818,736	11,897,111	13,919,494	11,452,566	4,061,598	410,651	(2,989,511)	(758,975)	995,560	1,510,805
17 True-Up Collected/(Refunded) (\$)	92,284	92,284	92,284	92,284	92,284	92,284	92,284	92,284	92,284	92,284	92,284	92,286	1,107,410
18 Adjustment (\$) (1)	0	0	52,640	0	0	0	0	0	0	0	0	0	52,640
19 End of Period TOTAL Net True-Up (Lines 13 + 14 + 16 + 17 + 18) (\$)	4,654,195	7,165,464	8,818,736	11,897,111	13,919,494	11,452,566	4,061,598	410,651	(2,989,511)	(758,975)	995,560	3,163,680	3,163,680

Note (1): Prior period capacity cost recovery revenue adjustment for January 2010

**Calculation of Purchased Power Capacity Cost Recovery Factors
Gulf Power Company
For January 2011 - December 2011**

Rate Class	A	B	C	D	E	F	G	H	I
	Average 12 CP Load Factor at Meter	Jan - Dec 2011 Projected KWH Sales at Meter	Projected Avg 12 CP KW at Meter Col B / (8,760 hours x Col A)	Demand Loss Expansion Factor	Energy Loss Expansion Factor	Jan - Dec 2011 Projected KWH Sales at Generation Col B x Col E	Projected Avg 12 CP KW at Generation Col C x Col D	Percentage of KWH Sales at Generation Col F / Total Col F	Percentage of 12 CP KW Demand at Generation Col G / Total Col G
RS, RSVP	57.312955%	5,239,716,000	1,043,640.30	1.00486476	1.00530097	5,267,491,577	1,048,717.36	47.10606%	55.89480%
GS	63.216034%	296,919,000	53,617.51	1.00485887	1.00529775	298,492,003	53,878.03	2.66935%	2.87160%
GSD, GSDD, GSTOU	73.903822%	2,046,139,000	316,056.06	1.00470565	1.00516604	2,056,709,436	317,543.31	18.39271%	16.92450%
LP, LPT	84.021171%	2,365,807,000	321,430.05	0.98422595	0.98911989	2,340,066,760	316,359.80	20.92672%	16.86142%
PX, PXT, RTP, SBS	94.359108%	1,086,020,000	131,386.24	0.97443817	0.98057253	1,064,921,379	128,027.77	9.52337%	6.82366%
OS - I / II	178.491660%	116,194,000	7,431.25	1.00468934	1.00529485	116,809,230	7,466.10	1.04460%	0.39793%
OS-III	101.451511%	37,508,000	<u>4,220.47</u>	1.00511513	1.00526827	<u>37,705,602</u>	<u>4,242.06</u>	<u>0.33719%</u>	<u>0.22609%</u>
TOTAL		<u>11,188,303,000</u>	<u>1,877,781.88</u>			<u>11,182,195,987</u>	<u>1,876,234.43</u>	<u>100.00000%</u>	<u>100.00000%</u>

Notes:

Col A - Average 12 CP load factor based on actual 2009 load research data.
Col C - 8,760 is the number of hours in 12 months.

**Calculation of Purchased Power Capacity Cost Recovery Factors
Gulf Power Company
For January 2011 - December 2011**

<u>Rate Class</u>	A Jan - Dec 2011 Percentage of KWH Sales <u>at Generation</u> Page 1, Col H	B Percentage of 12 CP KW Demand <u>at Generation</u> Page 1, Col I	C Energy- Related <u>Costs</u> (\$)	D Demand- Related <u>Costs</u> (\$)	E Total Capacity <u>Costs</u> (\$) Col C + Col D	F Jan - Dec 2011 Projected KWH Sales <u>at Meter</u> Page 1, Col B	G Capacity Cost Recovery <u>Factors</u> (¢ / KWH) Col E / Col F x 100
RS, RSVP	47.10606%	55.89480%	1,635,288	23,284,681	24,919,969	5,239,716,000	0.476
GS	2.66935%	2.87160%	92,667	1,196,252	1,288,919	296,919,000	0.434
GSD, GSDT, GSTOU	18.39271%	16.92450%	638,504	7,050,416	7,688,920	2,046,139,000	0.376
LP, LPT	20.92672%	16.86142%	726,472	7,024,138	7,750,610	2,365,807,000	0.328
PX, PXT, RTP, SBS	9.52337%	6.82366%	330,604	2,842,603	3,173,207	1,086,020,000	0.292
OS - I / II	1.04460%	0.39793%	36,263	165,770	202,033	116,194,000	0.174
OS-III	<u>0.33719%</u>	<u>0.22609%</u>	<u>11,706</u>	<u>94,185</u>	<u>105,891</u>	<u>37,508,000</u>	0.282
TOTAL	<u>100.00000%</u>	<u>100.00000%</u>	<u>\$3,471,504</u>	<u>\$41,658,045</u>	<u>\$45,129,549</u>	<u>11,188,303,000</u>	<u>0.403</u>

Notes:

Col C - (Recoverable Amount from Schedule CCE-1, line 10) / 13 x Col A

Col D - (Recoverable Amount from Schedule CCE-1, line 10) x 12 / 13 x Col B

Contract/Counterparty	Term		Contract Type
	Start	End ⁽¹⁾	
Southern Intercompany Interchange	2/18/2000	5 Yr Notice	SES Opco
<i>PPAs</i>			
Coral Power, LLC	6/1/2009	5/31/2014	Firm
Southern Power Company	6/1/2009	5/31/2014	Firm
Shell Energy N.A. (U.S.), LP ⁽²⁾	11/2/2009	5/31/2023	Non-Firm
<i>Other</i>			
South Carolina PSA	9/1/2003	-	Other

(1) Unless otherwise noted, contract remains effective unless terminated upon 30 days prior written notice.

(2) Contract megawatts are non-firm until June 1, 2014.

Capacity Costs

2011 Contract	January		February		March		April		May		June	
	MW	\$	MW	\$	MW	\$	MW	\$	MW	\$	MW	\$
Southern Intercompany Interchange	(26.3)	(67,841)	144.6	116,642	(274.1)	(282,759)	96.0	39,519	123.3	103,925	286.4	1,305,996
<i>PPAs</i>												
Coral Power, LLC	[REDACTED]											
Southern Power Company	[REDACTED]											
Shell Energy N.A. (U.S.), LP	[REDACTED]											
<i>Other</i>												
South Carolina PSA	[REDACTED]											
Total		1,505,731		1,690,214		1,189,813		1,512,091		5,373,300		7,577,568

A B C D E F G H I J K L M N O P Q

2 Gulf Power Company
3 2011 Capacity Contracts

Contract/Counterparty	Term		Contract
	Start	End ⁽¹⁾	Type
8 Southern Intercompany Interchange	2/18/2000	5 Yr Notice	SES Opco
9 <u>PPAs</u>			
10 Coral Power, LLC	6/1/2009	5/31/2014	Firm
11 Southern Power Company	6/1/2009	5/31/2014	Firm
12 Shell Energy N.A. (U.S.), LP ⁽²⁾	11/2/2009	5/31/2023	Non-Firm
13 <u>Other</u>			
14 South Carolina PSA	9/1/2003	-	Other

17 (1) Unless otherwise noted, contract remains effective unless terminated upon 30 days prior written notice.

18 (2) Contract megawatts are non-firm until June 1, 2014.

23 Capacity Costs

Contract	July		August		September		October		November		December		Total \$
	MW	\$	MW	\$	MW	\$	MW	\$	MW	\$	MW	\$	
26 Southern Intercompany Interchange	306.5	3,898,165	197.5	2,498,683	272.8	1,617,956	337.9	145,967	185.9	85,293	(68.9)	(35,537)	9,426,009
27 <u>PPAs</u>													
28 Coral Power, LLC													
29 Southern Power Company													
30 Shell Energy N.A. (U.S.), LP													
31 Total PPAs													40,907,803
32 <u>Other</u>													
33 South Carolina PSA													(41,568)
34 Total		10,169,665		8,771,183		7,889,456		1,618,467		1,557,793		1,436,963	50,292,244

GULF POWER COMPANY
TESTIMONY AND EXHIBITS OF
M. A. Young, III

GENERATING PERFORMANCE INCENTIVE FACTOR

TARGETS FOR

JANUARY 2011 - DECEMBER 2011

Before

THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 100001-EI



A **SOUTHERN COMPANY**

DOCUMENT NUMBER-DATE

07347 SEP-11

FPSC-COMMISSION COPY

1 **GULF POWER COMPANY**

2 **Before the Florida Public Service Commission**

3 **Direct Testimony of**

4 **M. A. Young, III**

5 **Docket No. 100001-EI**

6 **Date of Filing: September 1, 2010**

7

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

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

12

13 Q. Please describe your educational and business background.

14 A. I received my Bachelor of Science degree in Mechanical Engineering from the
15 University of Alabama in Birmingham in 1984. I joined the Southern Company
16 with Alabama Power in 1981 as a co-op student and continued with Alabama
17 Power upon graduation in 1984. During my time at Alabama Power, I worked at
18 Plant Gorgas, Plant Gadsden and in Power Generation Services where I progressed
19 through various engineering positions with increasing responsibilities as well as
20 first line supervision in Operations and Maintenance. I joined Gulf Power in 1997
21 as the Performance Engineer at Plant Crist. In this capacity, my primary
22 responsibilities were to monitor and test plant equipment and monitor overall plant
23 heat rate. In addition to this, I was responsible for major plant projects and was the
24 primary reliability reporter. As previously mentioned in my testimony, my current
25 job position is Power Generation Specialist, Senior at Gulf Power Company.

1 In this position I am responsible for preparing all Generating Performance
2 Incentive Factor (GPIF) filings as well as other generating plant reliability and heat
3 rate performance reporting for Gulf Power Company.
4
5

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

7 A. The purpose of my testimony is to present GPIF targets for Gulf Power Company for the
8 period of January 1, 2011 through December 31, 2011.
9

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

12 A. Yes. I have prepared one exhibit entitled MAY-2 consisting of three schedules.
13

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

15 A. Yes, it was.
16

17 Counsel: We ask that Mr. Young's exhibit consisting of three schedules be
18 marked for identification as Exhibit_____ (MAY-2).
19

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

21 A. We propose that Crist Units 4, 5, 6, and 7, Smith Units 1 and 2, and Daniel Units 1
22 and 2, continue to be the Company's GPIF units. The projected net generation
23 from these units, which represent all of Gulf's qualifying base load units for GPIF,
24 is approximately 73% of Gulf's projected net generation for 2011.
25

1 Q. For these units, what are the target heat rates Gulf proposes to use in the GPIF for
2 these units for the performance period January 1, 2011 through December 31,
3 2011?

4 A. I would like to refer you to page 43 of Schedule 1 of my exhibit where these targets
5 are listed.

6
7 Q. How were these proposed target heat rates determined?

8 A. They were determined according to the GPIF Implementation Manual procedures
9 for Gulf.

10
11 Q. Describe how the targets were determined for Gulf's proposed GPIF units.

12 A. Page 2 of Schedule 1 of my exhibit shows the target average net operating heat rate
13 equations for the proposed GPIF units and pages 4 through 39 of Schedule 1
14 contain the weekly historical data used for the statistical development of these
15 equations. Pages 40 through 42 of Schedule 1 present the calculations that provide
16 the unit target heat rates from the target equations.

17
18 Q. Were the maximum and minimum attainable heat rates for each proposed GPIF
19 unit indicated on page 43 of Schedule 1 of your exhibit calculated according to the
20 appropriate GPIF Implementation Manual procedures?

21 A. Yes.

22

23

24

25

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

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

5

6 Q. How were the target equivalent availabilities determined?

7 A. The target equivalent availabilities were determined according to the standard
8 GPIF Implementation Manual procedures for Gulf and are presented on page 2 of
9 Schedule 2 of my exhibit.

10

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

13 A. The maximum and minimum attainable equivalent availabilities, which are
14 presented along with their respective target availabilities on page 4 of Schedule 2
15 of my exhibit, were determined per GPIF Implementation Manual procedures for
16 Gulf.

17

18 Q. Mr. Young, has Gulf completed the GPIF minimum filing requirements data
19 package?

20 A. Yes, we have completed the minimum filing requirements data package. Schedule
21 3 of my exhibit contains this information.

22

23

24

25

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

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

3

4 1. Crist Units 4, 5, 6 and 7, Smith Units 1 and 2, and Daniel Units 1 and 2 for
5 inclusion under the GPIF for the period of January 1, 2011 through
6 December 31, 2011.

7

8 2. The target, maximum attainable, and minimum attainable average net
9 operating heat rates, as proposed by the Company and as shown on page
10 43 of Schedule 1 and also on page 5 of Schedule 3 of my exhibit.

11

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

15

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

20

21 Q. Mr. Young, does this conclude your testimony?

22 A. Yes.

23

24

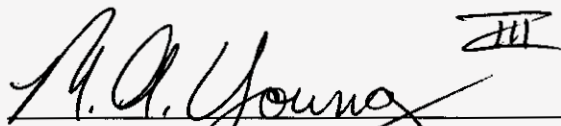
25

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)


Docket No. 100001-EI

Before me, the undersigned authority, personally appeared Melvin A. Young, III, who being first duly sworn, deposes, and says that he is the Power Generation Specialist, Senior for Gulf Power Company, a Florida corporation, and that the foregoing is true and correct to the best of his knowledge, information, and belief. He is personally known to me.



Melvin A. Young, III
Power Generation Specialist, Senior

Sworn to and subscribed before me this 26th day of August, 2010.



Notary Public, State of Florida at Large



Vickie L. Marchman
COMMISSION # DD866249
EXPIRES: JUN. 26, 2013
WWW.AARONNOTARY.COM

Commission Number: DD866249

Commission Expires: June 26, 2013

Florida Public Service Commission
Docket No. 100001-EI
Gulf Power Company
Witness: M. A. Young, III
Exhibit No. ____ (MAY-2)

EXHIBIT TO THE TESTIMONY OF

M. A. YOUNG, III

IN FPSC DOCKET 100001-EI

I. DETERMINATION OF HEAT RATE TARGETS

Target Heat Rate Equations

Crist 4 ANOHR = $10^6 / \text{AKW} * [568.08 + 20.32 * \text{MAR} - 32.89 * \text{APR} - 30.60 * \text{MAY} + 39.21 * \text{JUL} + 19.97 * \text{AUG} + 19.18 * \text{SEP} + 14.84 * \text{OCT}]$
- 6606 + 0.12936 * LSRF / AKW

Crist 5 ANOHR = $10^6 / \text{AKW} * [117.46 - 18.06 * \text{APR} + 15.73 * \text{JUN} + 20.50 * \text{JUL} + 24.06 * \text{AUG} + 13.06 * \text{SEP} - 14.89 * \text{NOV}]$
+ 8,947

Crist 6 ANOHR = $10^6 / \text{AKW} * [768.86 + 57.27 * \text{AUG} + 47.68 * \text{SEP} + 90.47 * \text{OCT} - 72.87 * \text{NOV}]$
+ 4,448 + 0.01249 * LSRF / AKW

Crist 7 ANOHR = $10^6 / \text{AKW} * [1828.93 - 91.88 * \text{JAN} + 107.46 * \text{AUG}]$
+ 766 + 0.01270 * LSRF / AKW

Smith 1 ANOHR = $10^6 / \text{AKW} * [315.77 + 10.78 * \text{JAN} + 17.46 * \text{FEB} + 20.23 * \text{JUN} + 24.30 * \text{JUL} + 14.18 * \text{AUG}]$
+ 6,339 + 0.01143 * LSRF / AKW

Smith 2 ANOHR = $10^6 / \text{AKW} * [153.01 + 21.03 * \text{JAN} + 24.53 * \text{JUN} - 23.25 * \text{OCT} - 18.59 * \text{NOV}]$
+ 8,464 + 0.00563 * LSRF / AKW

Daniel 1 ANOHR = $10^6 / \text{AKW} * [1162.32 + 71.73 * \text{JAN} + 69.88 * \text{JUL}]$
+ 4,870 + 0.00577 * LSRF / AKW

Daniel 2 ANOHR = $10^6 / \text{AKW} * [-184.42 - 82.46 * \text{JAN} - 47.27 * \text{FEB} + 60.25 * \text{MAY} - 41.09 * \text{OCT}]$
+ 13,823 - 0.00726 * LSRF / AKW

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
11007	168	67.7	4664	0	0	0	0	0	0	1	0	0	0	0	0	2007
11121	168	69.7	4906	0	0	0	0	0	0	1	0	0	0	0	0	2007
11090	168	67.4	4623	0	0	0	0	0	0	1	0	0	0	0	0	2007
11378	168	65.0	4324	0	0	0	0	0	0	1	0	0	0	0	0	2007
11130	168	66.0	4446	0	0	0	0	0	0	0	1	0	0	0	0	2007
11442	168	68.4	4751	0	0	0	0	0	0	0	1	0	0	0	0	2007
11462	168	66.7	4550	0	0	0	0	0	0	0	1	0	0	0	0	2007
11530	168	63.5	4144	0	0	0	0	0	0	0	1	0	0	0	0	2007
11602	168	55.0	3133	0	0	0	0	0	0	0	1	0	0	0	0	2007
11448	168	64.6	4266	0	0	0	0	0	0	0	0	1	0	0	0	2007
11283	168	64.2	4213	0	0	0	0	0	0	0	0	1	0	0	0	2007
11324	135	57.9	3480	0	0	0	0	0	0	0	0	1	0	0	0	2007
11454	156	61.1	3879	0	0	0	0	0	0	0	0	1	0	0	1	2007
11430	168	63.5	4155	0	0	0	0	0	0	0	0	0	1	0	0	2007
11172	168	64.5	4273	0	0	0	0	0	0	0	0	0	1	0	0	2007
10899	168	65.5	4387	0	0	0	0	0	0	0	0	0	1	0	0	2007
11023	168	62.1	3943	0	0	0	0	0	0	0	0	0	1	0	0	2007
11182	168	63.7	4205	0	0	0	0	0	0	0	0	0	1	0	0	2007
10953	169	67.9	4716	0	0	0	0	0	0	0	0	0	0	1	0	2007
11086	168	71.7	5185	0	0	0	0	0	0	0	0	0	0	1	0	2007
11128	168	54.6	3055	0	0	0	0	0	0	0	0	0	0	1	0	2007
10686	168	58.4	3520	0	0	0	0	0	0	0	0	0	0	1	0	2007
10652	168	65.1	4357	0	0	0	0	0	0	0	0	0	0	0	0	2007
10604	168	62.7	4060	0	0	0	0	0	0	0	0	0	0	0	0	2007
10671	148	65.9	4467	0	0	0	0	0	0	0	0	0	0	0	0	2007
*29194	15	27.4	882	0	0	1	0	0	0	0	0	0	0	0	1	2008
12560	85	53.4	3089	0	0	1	0	0	0	0	0	0	0	0	0	2008
10558	123	68.2	4848	0	0	0	1	0	0	0	0	0	0	0	1	2008
10104	168	69.3	4857	0	0	0	1	0	0	0	0	0	0	0	0	2008
10460	168	68.9	4900	0	0	0	1	0	0	0	0	0	0	0	0	2008
10185	168	69.8	4991	0	0	0	1	0	0	0	0	0	0	0	0	2008
10429	168	62.8	4143	0	0	0	0	1	0	0	0	0	0	0	0	2008
10329	168	63.3	4192	0	0	0	0	1	0	0	0	0	0	0	0	2008
10934	168	55.8	3260	0	0	0	0	1	0	0	0	0	0	0	0	2008
*11181	96	47.9	2358	0	0	0	0	1	0	0	0	0	0	0	0	2008
10630	160	63.0	4152	0	0	0	0	1	0	0	0	0	0	0	1	2008
10870	168	60.8	3841	0	0	0	0	0	1	0	0	0	0	0	0	2008
11200	168	58.6	3592	0	0	0	0	0	1	0	0	0	0	0	0	2008
11091	168	63.4	4188	0	0	0	0	0	1	0	0	0	0	0	0	2008
10995	168	59.8	3727	0	0	0	0	0	1	0	0	0	0	0	0	2008
* 8900	168	54.9	3148	0	0	0	0	0	0	1	0	0	0	0	0	2008
* 9839	168	57.6	3431	0	0	0	0	0	0	1	0	0	0	0	0	2008
*12173	168	72.1	5244	0	0	0	0	0	0	1	0	0	0	0	0	2008
11657	168	68.3	4758	0	0	0	0	0	0	1	0	0	0	0	0	2008
11213	168	64.8	4317	0	0	0	0	0	0	0	1	0	0	0	0	2008
10889	168	60.3	3750	0	0	0	0	0	0	0	1	0	0	0	0	2008
10702	168	57.6	3460	0	0	0	0	0	0	0	1	0	0	0	0	2008

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
10793	168	58.7	3556	0	0	0	0	0	0	0	1	0	0	0	0	2008
10707	168	64.7	4328	0	0	0	0	0	0	0	1	0	0	0	0	2008
10777	168	63.9	4137	0	0	0	0	0	0	0	0	1	0	0	0	2008
10484	168	67.9	4699	0	0	0	0	0	0	0	0	1	0	0	0	2008
10613	168	63.9	4198	0	0	0	0	0	0	0	0	1	0	0	0	2008
10877	168	60.3	3813	0	0	0	0	0	0	0	0	1	0	0	0	2008
11279	168	58.2	3523	0	0	0	0	0	0	0	0	0	1	0	0	2008
11160	94	57.7	3462	0	0	0	0	0	0	0	0	0	1	0	0	2008
10744	157	60.0	3736	0	0	0	0	0	0	0	0	0	0	1	1	2008
10499	168	62.3	4001	0	0	0	0	0	0	0	0	0	0	1	0	2008
10479	168	63.8	4144	0	0	0	0	0	0	0	0	0	0	0	0	2008
10535	131	62.1	3959	0	0	0	0	0	0	0	0	0	0	0	1	2008
10562	168	68.2	4746	0	0	0	0	0	0	0	0	0	0	0	0	2008
10984	21	59.0	3646	0	0	0	0	0	0	0	0	0	0	0	0	2008
11056	42	59.1	3731	1	0	0	0	0	0	0	0	0	0	0	1	2009
10469	168	58.4	3516	1	0	0	0	0	0	0	0	0	0	0	0	2009
10679	168	58.8	3530	1	0	0	0	0	0	0	0	0	0	0	0	2009
*10451	168	50.2	2632	1	0	0	0	0	0	0	0	0	0	0	0	2009
10610	168	64.6	4351	0	1	0	0	0	0	0	0	0	0	0	0	2009
10983	168	53.4	2985	0	1	0	0	0	0	0	0	0	0	0	0	2009
*10380	168	52.3	2826	0	1	0	0	0	0	0	0	0	0	0	0	2009
10369	142	59.2	3554	0	1	0	0	0	0	0	0	0	0	0	0	2009
11172	63	56.0	3316	0	0	1	0	0	0	0	0	0	0	0	1	2009
11299	41	55.2	3146	0	0	1	0	0	0	0	0	0	0	0	0	2009
10976	121	55.0	3287	0	0	0	0	1	0	0	0	0	0	0	1	2009
10208	164	61.3	3951	0	0	0	0	1	0	0	0	0	0	0	0	2009
11771	94	55.4	3153	0	0	0	0	0	0	1	0	0	0	0	1	2009
11857	23	56.9	3336	0	0	0	0	0	0	1	0	0	0	0	0	2009
12263	148	56.8	3363	0	0	0	0	0	0	0	0	1	0	0	1	2009
11021	168	67.4	4603	0	0	0	0	0	0	0	0	0	1	0	0	2009
10933	168	68.8	4815	0	0	0	0	0	0	0	0	0	1	0	0	2009
10799	168	65.7	4396	0	0	0	0	0	0	0	0	0	1	0	0	2009
10640	66	69.8	5073	0	0	0	0	0	0	0	0	0	1	0	0	2009
14757	15	39.5	1839	0	0	0	0	0	0	0	0	0	1	0	1	2009
10850	168	63.9	4199	0	0	0	0	0	0	0	0	0	0	1	0	2009
11164	168	56.3	3249	0	0	0	0	0	0	0	0	0	0	1	0	2009
11117	168	53.0	2920	0	0	0	0	0	0	0	0	0	0	1	0	2009
10761	168	56.4	3268	0	0	0	0	0	0	0	0	0	0	1	0	2009
10973	62	58.8	3723	0	0	0	0	0	0	0	0	0	0	0	1	2009
10297	168	65.9	4467	0	0	0	0	0	0	0	0	0	0	0	0	2009
10188	168	67.1	4547	0	0	0	0	0	0	0	0	0	0	0	0	2009
*12132	168	61.9	3885	0	0	0	0	0	0	0	0	0	0	0	0	2009
11159	24	70.7	5005	0	0	0	0	0	0	0	0	0	0	0	0	2009
11025	168	69.6	4897	1	0	0	0	0	0	0	0	0	0	0	0	2010
11265	168	70.9	5095	1	0	0	0	0	0	0	0	0	0	0	0	2010
11366	168	54.6	3151	1	0	0	0	0	0	0	0	0	0	0	0	2010
11097	168	58.9	3567	1	0	0	0	0	0	0	0	0	0	0	0	2010

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
11214	145	54.4	3058	0	1	0	0	0	0	0	0	0	0	0	0	2010
12658	53	50.3	2615	0	1	0	0	0	0	0	0	0	0	0	1	2010
11267	168	60.0	3702	0	1	0	0	0	0	0	0	0	0	0	0	2010
11731	168	55.7	3250	0	1	0	0	0	0	0	0	0	0	0	0	2010
11906	168	51.5	2720	0	0	1	0	0	0	0	0	0	0	0	0	2010
11340	120	51.9	2755	0	0	1	0	0	0	0	0	0	0	0	0	2010
11087	148	50.6	2743	0	0	0	1	0	0	0	0	0	0	0	1	2010
*13766	142	53.1	3090	0	0	0	0	0	1	0	0	0	0	0	1	2010
*12518	168	61.3	3944	0	0	0	0	0	1	0	0	0	0	0	0	2010
*12653	144	60.1	3812	0	0	0	0	0	1	0	0	0	0	0	0	2010

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.

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

AMW Average load on the unit, in MW.

LSRF Load square range factor, in MW².

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

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

YEAR The year of the observation.

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

Data Base for CRIST 5 Target Heat Rate Equation

HR	HOOR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10379	168	68.8	4803	0	0	0	0	0	0	1	0	0	0	0	0	2007
11283	168	69.9	4932	0	0	0	0	0	0	1	0	0	0	0	0	2007
11333	168	68.5	4781	0	0	0	0	0	0	1	0	0	0	0	0	2007
10732	126	64.6	4322	0	0	0	0	0	0	1	0	0	0	0	1	2007
11139	168	67.3	4635	0	0	0	0	0	0	0	1	0	0	0	0	2007
11029	168	67.8	4686	0	0	0	0	0	0	0	1	0	0	0	0	2007
11262	168	65.0	4303	0	0	0	0	0	0	0	1	0	0	0	0	2007
11176	168	64.3	4258	0	0	0	0	0	0	0	1	0	0	0	0	2007
11059	168	60.3	3742	0	0	0	0	0	0	0	1	0	0	0	0	2007
10898	168	64.9	4299	0	0	0	0	0	0	0	0	1	0	0	0	2007
10864	168	63.6	4107	0	0	0	0	0	0	0	0	1	0	0	0	2007
11433	168	52.3	2826	0	0	0	0	0	0	0	0	1	0	0	0	2007
10611	168	62.9	4029	0	0	0	0	0	0	0	0	1	0	0	0	2007
10892	168	66.1	4478	0	0	0	0	0	0	0	0	0	1	0	0	2007
11875	168	61.4	3874	0	0	0	0	0	0	0	0	0	1	0	0	2007
10670	168	64.8	4258	0	0	0	0	0	0	0	0	0	1	0	0	2007
10573	168	66.0	4443	0	0	0	0	0	0	0	0	0	1	0	0	2007
10810	168	68.3	4768	0	0	0	0	0	0	0	0	0	1	0	0	2007
10512	169	69.1	4893	0	0	0	0	0	0	0	0	0	0	1	0	2007
10657	168	73.0	5368	0	0	0	0	0	0	0	0	0	0	1	0	2007
10606	168	58.4	3531	0	0	0	0	0	0	0	0	0	0	1	0	2007
10353	168	64.5	4261	0	0	0	0	0	0	0	0	0	0	1	0	2007
10306	168	70.5	5067	0	0	0	0	0	0	0	0	0	0	0	0	2007
10443	168	68.5	4821	0	0	0	0	0	0	0	0	0	0	0	0	2007
10298	149	69.0	4867	0	0	0	0	0	0	0	0	0	0	0	0	2007
12038	57	45.1	2182	0	0	1	0	0	0	0	0	0	0	0	1	2008
* 9917	167	54.1	3087	0	0	1	0	0	0	0	0	0	0	0	0	2008
* 9633	168	54.2	3097	0	0	1	0	0	0	0	0	0	0	0	0	2008
* 9431	168	61.4	3938	0	0	1	0	0	0	0	0	0	0	0	0	2008
10306	151	68.4	4925	0	0	0	1	0	0	0	0	0	0	0	0	2008
10068	162	71.5	5252	0	0	0	1	0	0	0	0	0	0	0	0	2008
10432	127	67.7	4789	0	0	0	1	0	0	0	0	0	0	0	1	2008
10375	168	69.2	4920	0	0	0	1	0	0	0	0	0	0	0	0	2008
10632	168	65.4	4478	0	0	0	0	1	0	0	0	0	0	0	0	2008
10597	168	64.7	4360	0	0	0	0	1	0	0	0	0	0	0	0	2008
10514	168	57.8	3546	0	0	0	0	1	0	0	0	0	0	0	0	2008
10642	168	62.1	4087	0	0	0	0	1	0	0	0	0	0	0	0	2008
11612	119	59.5	3774	0	0	0	0	1	0	0	0	0	0	0	0	2008
11178	159	63.0	4118	0	0	0	0	0	1	0	0	0	0	0	1	2008
11471	144	59.6	3843	0	0	0	0	0	1	0	0	0	0	0	1	2008
11143	168	66.3	4541	0	0	0	0	0	1	0	0	0	0	0	0	2008
11084	168	63.9	4211	0	0	0	0	0	1	0	0	0	0	0	0	2008
10290	168	62.1	4051	0	0	0	0	0	0	1	0	0	0	0	0	2008
10241	168	64.6	4293	0	0	0	0	0	0	1	0	0	0	0	0	2008
11383	168	72.6	5313	0	0	0	0	0	0	1	0	0	0	0	0	2008
11291	168	69.9	4974	0	0	0	0	0	0	1	0	0	0	0	0	2008
11629	168	67.6	4676	0	0	0	0	0	0	0	1	0	0	0	0	2008

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
11501	168	66.0	4462	0	0	0	0	0	0	0	1	0	0	0	0	2008
11430	168	60.3	3856	0	0	0	0	0	0	0	1	0	0	0	0	2008
11340	168	63.9	4236	0	0	0	0	0	0	0	1	0	0	0	0	2008
11204	168	66.9	4596	0	0	0	0	0	0	0	1	0	0	0	0	2008
11058	168	66.4	4452	0	0	0	0	0	0	0	0	1	0	0	0	2008
10481	168	69.9	4956	0	0	0	0	0	0	0	0	1	0	0	0	2008
10916	168	62.9	4116	0	0	0	0	0	0	0	0	1	0	0	0	2008
10705	168	63.5	4194	0	0	0	0	0	0	0	0	1	0	0	0	2008
10788	168	63.2	4168	0	0	0	0	0	0	0	0	0	1	0	0	2008
10473	168	56.8	3430	0	0	0	0	0	0	0	0	0	1	0	0	2008
10782	168	52.8	2939	0	0	0	0	0	0	0	0	0	1	0	0	2008
9991	168	59.1	3643	0	0	0	0	0	0	0	0	0	1	0	0	2008
10161	169	64.6	4325	0	0	0	0	0	0	0	0	0	1	0	0	2008
10744	167	57.7	3516	0	0	0	0	0	0	0	0	0	0	1	0	2008
10422	168	62.5	4065	0	0	0	0	0	0	0	0	0	0	1	0	2008
10408	168	61.1	3841	0	0	0	0	0	0	0	0	0	0	1	0	2008
10450	168	62.7	4061	0	0	0	0	0	0	0	0	0	0	1	0	2008
10243	168	64.5	4237	0	0	0	0	0	0	0	0	0	0	0	0	2008
10144	168	63.8	4122	0	0	0	0	0	0	0	0	0	0	0	0	2008
10324	168	69.0	4859	0	0	0	0	0	0	0	0	0	0	0	0	2008
10799	168	55.3	3145	0	0	0	0	0	0	0	0	0	0	0	0	2008
10666	24	62.6	4032	0	0	0	0	0	0	0	0	0	0	0	0	2008
10552	134	46.3	2202	1	0	0	0	0	0	0	0	0	0	0	0	2009
11775	16	51.6	2978	1	0	0	0	0	0	0	0	0	0	0	1	2009
*10194	122	54.2	3130	1	0	0	0	0	0	0	0	0	0	0	1	2009
10377	168	66.5	4603	0	1	0	0	0	0	0	0	0	0	0	0	2009
10585	168	53.9	3067	0	1	0	0	0	0	0	0	0	0	0	0	2009
10513	168	55.1	3203	0	1	0	0	0	0	0	0	0	0	0	0	2009
10559	168	58.8	3604	0	1	0	0	0	0	0	0	0	0	0	0	2009
11365	164	54.4	3167	0	0	1	0	0	0	0	0	0	0	0	0	2009
11582	167	56.6	3446	0	0	1	0	0	0	0	0	0	0	0	0	2009
11429	168	58.1	3533	0	0	1	0	0	0	0	0	0	0	0	0	2009
11259	168	62.6	4100	0	0	1	0	0	0	0	0	0	0	0	0	2009
10986	168	58.0	3460	0	0	1	0	0	0	0	0	0	0	0	0	2009
10358	164	54.8	3049	0	0	0	1	0	0	0	0	0	0	0	0	2009
11199	105	51.9	2798	0	0	0	1	0	0	0	0	0	0	0	0	2009
10013	167	60.0	3886	0	0	0	1	0	0	0	0	0	0	0	1	2009
10885	168	62.7	4178	0	0	0	0	1	0	0	0	0	0	0	0	2009
10785	168	61.7	4051	0	0	0	0	1	0	0	0	0	0	0	0	2009
11648	49	54.1	3206	0	0	0	0	1	0	0	0	0	0	0	0	2009
11384	111	55.3	3338	0	0	0	0	1	0	0	0	0	0	0	1	2009
10966	168	47.9	2394	0	0	0	0	0	1	0	0	0	0	0	0	2009
11024	168	56.7	3421	0	0	0	0	0	1	0	0	0	0	0	0	2009
11157	168	61.1	3923	0	0	0	0	0	1	0	0	0	0	0	0	2009
11045	144	58.8	3634	0	0	0	0	0	1	0	0	0	0	0	0	2009
12066	168	57.0	3438	0	0	0	0	0	0	1	0	0	0	0	0	2009
11516	168	60.1	3763	0	0	0	0	0	0	1	0	0	0	0	0	2009

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
10928	168	59.3	3623	0	0	0	0	0	0	1	0	0	0	0	0	2009
11854	168	55.3	3181	0	0	0	0	0	0	1	0	0	0	0	0	2009
11583	168	55.0	3161	0	0	0	0	0	0	0	1	0	0	0	0	2009
10851	168	55.0	3049	0	0	0	0	0	0	0	1	0	0	0	0	2009
11628	168	52.3	2795	0	0	0	0	0	0	0	1	0	0	0	0	2009
10773	168	52.6	2815	0	0	0	0	0	0	0	1	0	0	0	0	2009
11272	168	53.1	2909	0	0	0	0	0	0	0	1	0	0	0	0	2009
12389	168	47.1	2294	0	0	0	0	0	0	0	0	1	0	0	0	2009
12272	168	49.3	2511	0	0	0	0	0	0	0	0	1	0	0	0	2009
11526	168	57.0	3256	0	0	0	0	0	0	0	0	1	0	0	0	2009
11443	27	50.9	2706	0	0	0	0	0	0	0	0	1	0	0	0	2009
11633	149	55.2	3222	0	0	0	0	0	0	0	0	0	1	0	1	2009
11092	168	67.0	4615	0	0	0	0	0	0	0	0	0	1	0	0	2009
10831	168	64.0	4150	0	0	0	0	0	0	0	0	0	1	0	0	2009
11045	168	65.1	4346	0	0	0	0	0	0	0	0	0	1	0	0	2009
10367	169	57.7	3420	0	0	0	0	0	0	0	0	0	1	0	0	2009
10879	70	53.0	2906	0	0	0	0	0	0	0	0	0	0	1	0	2009
10931	144	52.7	2500	0	0	0	0	0	0	0	0	0	0	1	0	2009
10877	16	62.9	4300	0	0	0	0	0	0	0	0	0	0	1	0	2009
*13026	49	54.2	3081	0	0	0	0	0	0	0	0	0	0	0	1	2009
11848	168	56.1	3166	0	0	0	0	0	0	0	0	0	0	0	0	2009
*11947	24	63.2	3999	0	0	0	0	0	0	0	0	0	0	0	0	2009
10987	168	64.5	4212	1	0	0	0	0	0	0	0	0	0	0	0	2010
11352	168	69.3	4870	1	0	0	0	0	0	0	0	0	0	0	0	2010
11557	168	53.8	3041	1	0	0	0	0	0	0	0	0	0	0	0	2010
11081	168	60.5	3762	1	0	0	0	0	0	0	0	0	0	0	0	2010
10914	168	55.0	3090	0	1	0	0	0	0	0	0	0	0	0	0	2010
11192	168	60.5	3807	0	1	0	0	0	0	0	0	0	0	0	0	2010
11493	168	57.8	3417	0	1	0	0	0	0	0	0	0	0	0	0	2010
11282	168	55.7	3286	0	1	0	0	0	0	0	0	0	0	0	0	2010
11005	168	57.1	3425	0	0	1	0	0	0	0	0	0	0	0	0	2010
10455	168	57.0	3324	0	0	1	0	0	0	0	0	0	0	0	0	2010
10807	167	52.0	2828	0	0	1	0	0	0	0	0	0	0	0	0	2010
11341	168	52.3	2857	0	0	1	0	0	0	0	0	0	0	0	0	2010
11392	168	47.7	2377	0	0	1	0	0	0	0	0	0	0	0	0	2010
11427	168	47.9	2392	0	0	0	1	0	0	0	0	0	0	0	0	2010
11552	168	44.1	1987	0	0	0	1	0	0	0	0	0	0	0	0	2010
11655	168	43.0	1865	0	0	0	1	0	0	0	0	0	0	0	0	2010
11365	168	48.9	2543	0	0	0	1	0	0	0	0	0	0	0	0	2010
11393	168	44.8	2088	0	0	0	0	1	0	0	0	0	0	0	0	2010
11203	168	53.1	3032	0	0	0	0	1	0	0	0	0	0	0	0	2010
11212	168	62.2	4062	0	0	0	0	1	0	0	0	0	0	0	0	2010
11338	168	61.7	4010	0	0	0	0	1	0	0	0	0	0	0	0	2010
11365	168	60.1	3816	0	0	0	0	1	0	0	0	0	0	0	0	2010
10919	168	61.7	4011	0	0	0	0	0	1	0	0	0	0	0	0	2010
11322	168	61.3	3939	0	0	0	0	0	1	0	0	0	0	0	0	2010
11357	168	58.5	3648	0	0	0	0	0	1	0	0	0	0	0	0	2010

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
11395	144	61.0	3915	0	0	0	0	0	1	0	0	0	0	0	0	2010

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.

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

AMW Average load on the unit, in MW.

LSRF Load square range factor, in MW².

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

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

YEAR The year of the observation.

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

Data Base for CRIST 6 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10826	168	262.9	5876	0	0	0	0	0	0	1	0	0	0	0	0	2007
10952	168	260.7	4103	0	0	0	0	0	0	1	0	0	0	0	0	2007
10857	147	255.5	2050	0	0	0	0	0	0	1	0	0	0	0	0	2007
11213	119	209.5	48688	0	0	0	0	0	0	1	0	0	0	0	1	2007
11820	168	244.5	61180	0	0	0	0	0	0	0	1	0	0	0	0	2007
11708	168	247.2	62925	0	0	0	0	0	0	0	1	0	0	0	0	2007
9938	143	249.6	64996	0	0	0	0	0	0	0	1	0	0	0	0	2007
* 9933	165	254.7	2278	0	0	0	0	0	0	0	1	0	0	0	1	2007
9995	168	233.2	56794	0	0	0	0	0	0	0	1	0	0	0	0	2007
10895	168	250.6	64737	0	0	0	0	0	0	0	0	1	0	0	0	2007
10906	168	248.5	63466	0	0	0	0	0	0	0	0	1	0	0	0	2007
10907	168	218.2	50942	0	0	0	0	0	0	0	0	1	0	0	0	2007
10877	144	211.6	48036	0	0	0	0	0	0	0	0	1	0	0	1	2007
10779	168	258.4	2815	0	0	0	0	0	0	0	0	0	1	0	0	2007
11526	168	231.6	56011	0	0	0	0	0	0	0	0	0	1	0	0	2007
10879	168	248.4	64471	0	0	0	0	0	0	0	0	0	1	0	0	2007
10714	168	240.9	59947	0	0	0	0	0	0	0	0	0	1	0	0	2007
10859	168	250.8	65194	0	0	0	0	0	0	0	0	0	1	0	0	2007
10422	169	253.8	994	0	0	0	0	0	0	0	0	0	0	1	0	2007
10473	168	277.8	12632	0	0	0	0	0	0	0	0	0	0	1	0	2007
10271	168	192.8	39902	0	0	0	0	0	0	0	0	0	0	1	0	2007
10508	168	198.8	42751	0	0	0	0	0	0	0	0	0	0	1	0	2007
11056	143	237.0	58493	0	0	0	0	0	0	0	0	0	0	0	0	2007
11191	123	218.8	52879	0	0	0	0	0	0	0	0	0	0	0	1	2007
11018	140	246.6	64222	0	0	0	0	0	0	0	0	0	0	0	1	2007
10699	168	276.6	12136	0	0	0	0	0	0	0	0	0	0	0	0	2007
10566	24	248.0	63547	0	0	0	0	0	0	0	0	0	0	0	0	2007
10879	168	287.3	17260	1	0	0	0	0	0	0	0	0	0	0	0	2008
10962	141	260.3	5734	1	0	0	0	0	0	0	0	0	0	0	1	2008
11030	168	276.5	11530	1	0	0	0	0	0	0	0	0	0	0	0	2008
10859	118	253.7	79	1	0	0	0	0	0	0	0	0	0	0	0	2008
10873	160	246.1	65033	0	1	0	0	0	0	0	0	0	0	0	1	2008
10566	143	271.4	10211	0	1	0	0	0	0	0	0	0	0	0	1	2008
10589	168	267.3	8057	0	1	0	0	0	0	0	0	0	0	0	0	2008
10755	168	270.9	9431	0	1	0	0	0	0	0	0	0	0	0	0	2008
10776	129	275.0	12364	0	1	0	0	0	0	0	0	0	0	0	0	2008
11385	164	168.3	30252	0	0	1	0	0	0	0	0	0	0	0	1	2008
11148	168	178.3	33720	0	0	1	0	0	0	0	0	0	0	0	0	2008
11383	168	152.3	24105	0	0	1	0	0	0	0	0	0	0	0	0	2008
11214	97	157.8	26021	0	0	1	0	0	0	0	0	0	0	0	0	2008
*43847	8	60.4	5650	0	0	0	1	0	0	0	0	0	0	0	2	2008
10947	137	222.9	55691	0	0	0	0	1	0	0	0	0	0	0	1	2008
10898	131	226.6	56558	0	0	0	0	1	0	0	0	0	0	0	1	2008
11119	167	188.8	39827	0	0	0	0	1	0	0	0	0	0	0	0	2008
11189	96	177.9	35426	0	0	0	0	1	0	0	0	0	0	0	0	2008
11053	164	230.5	57803	0	0	0	0	1	0	0	0	0	0	0	1	2008
11059	137	218.6	50562	0	0	0	0	0	1	0	0	0	0	0	1	2008

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
10711	168	225.7	54337	0	0	0	0	0	1	0	0	0	0	0	0	2008
10663	168	245.3	63730	0	0	0	0	0	1	0	0	0	0	0	0	2008
10785	134	214.8	49681	0	0	0	0	0	1	0	0	0	0	0	1	2008
10752	168	200.1	43306	0	0	0	0	0	0	1	0	0	0	0	0	2008
10638	168	210.7	46234	0	0	0	0	0	0	1	0	0	0	0	0	2008
10688	141	269.7	9802	0	0	0	0	0	0	1	0	0	0	0	1	2008
10776	168	270.5	9048	0	0	0	0	0	0	1	0	0	0	0	0	2008
10944	166	251.6	472	0	0	0	0	0	0	0	1	0	0	0	0	2008
11339	121	229.8	56562	0	0	0	0	0	0	0	1	0	0	0	1	2008
11468	137	212.6	48886	0	0	0	0	0	0	0	1	0	0	0	1	2008
11255	168	232.9	57015	0	0	0	0	0	0	0	1	0	0	0	0	2008
11834	117	220.3	53116	0	0	0	0	0	0	0	1	0	0	0	2	2008
11372	121	248.5	64779	0	0	0	0	0	0	0	0	1	0	0	1	2008
11237	162	267.8	8512	0	0	0	0	0	0	0	0	1	0	0	1	2008
11126	146	243.6	62664	0	0	0	0	0	0	0	0	1	0	0	0	2008
11066	168	225.5	53903	0	0	0	0	0	0	0	0	1	0	0	0	2008
11682	168	221.5	51943	0	0	0	0	0	0	0	0	0	1	0	0	2008
11955	23	215.9	49107	0	0	0	0	0	0	0	0	0	1	0	0	2008
11027	48	172.7	34846	0	0	0	0	0	0	0	0	0	0	1	1	2008
10509	168	228.4	54463	0	0	0	0	0	0	0	0	0	0	1	0	2008
10524	141	209.4	46421	0	0	0	0	0	0	0	0	0	0	1	1	2008
10510	168	238.6	58541	0	0	0	0	0	0	0	0	0	0	0	0	2008
10670	92	217.1	49750	0	0	0	0	0	0	0	0	0	0	0	0	2008
13456	86	107.4	12785	0	1	0	0	0	0	0	0	0	0	0	1	2009
11285	88	152.9	25216	0	1	0	0	0	0	0	0	0	0	0	1	2009
10460	168	194.4	39423	0	1	0	0	0	0	0	0	0	0	0	0	2009
10815	168	211.1	45704	0	0	1	0	0	0	0	0	0	0	0	0	2009
11126	167	207.7	44417	0	0	1	0	0	0	0	0	0	0	0	0	2009
11274	168	200.6	44460	0	0	1	0	0	0	0	0	0	0	0	0	2009
10566	22	224.0	54083	0	0	1	0	0	0	0	0	0	0	0	0	2009
11987	61	165.7	29378	0	0	1	0	0	0	0	0	0	0	0	1	2009
11376	168	166.4	28807	0	0	0	1	0	0	0	0	0	0	0	0	2009
11643	168	158.3	26085	0	0	0	1	0	0	0	0	0	0	0	0	2009
11454	168	173.6	31461	0	0	0	1	0	0	0	0	0	0	0	0	2009
11294	126	177.0	33978	0	0	0	1	0	0	0	0	0	0	0	1	2009
11188	168	198.9	43043	0	0	0	0	1	0	0	0	0	0	0	0	2009
11112	168	202.4	44791	0	0	0	0	1	0	0	0	0	0	0	0	2009
11158	167	197.7	43983	0	0	0	0	1	0	0	0	0	0	0	0	2009
11061	168	203.1	44680	0	0	0	0	1	0	0	0	0	0	0	0	2009
11239	68	178.0	35515	0	0	0	0	1	0	0	0	0	0	0	0	2009
11989	63	173.2	35696	0	0	0	0	0	1	0	0	0	0	0	1	2009
10620	144	205.1	46064	0	0	0	0	0	1	0	0	0	0	0	0	2009
11001	144	188.8	38477	0	0	0	0	0	0	1	0	0	0	0	0	2009
11249	144	174.7	33573	0	0	0	0	0	0	1	0	0	0	0	1	2009
10773	168	218.4	51028	0	0	0	0	0	0	1	0	0	0	0	0	2009
11310	168	179.1	34542	0	0	0	0	0	0	0	1	0	0	0	0	2009
11642	168	164.9	29057	0	0	0	0	0	0	0	1	0	0	0	0	2009

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
11916	168	149.2	22862	0	0	0	0	0	0	0	1	0	0	0	0	2009
12035	139	144.9	21641	0	0	0	0	0	0	0	1	0	0	0	0	2009
11983	131	175.0	32844	0	0	0	0	0	0	0	0	0	1	0	1	2009
11776	169	157.4	25978	0	0	0	0	0	0	0	0	0	1	0	0	2009
11184	168	172.2	31141	0	0	0	0	0	0	0	0	0	0	1	0	2009
11852	168	136.3	18844	0	0	0	0	0	0	0	0	0	0	1	0	2009
*16776	64	127.6	16685	0	0	0	0	0	0	0	0	0	0	1	1	2009
11617	168	140.8	20408	0	0	0	0	0	0	0	0	0	0	1	0	2009
10836	168	192.9	40818	0	0	0	0	0	0	0	0	0	0	0	0	2009
10911	168	201.6	43641	0	0	0	0	0	0	0	0	0	0	0	0	2009
10579	168	224.9	53828	0	0	0	0	0	0	0	0	0	0	0	0	2009
10705	163	179.0	34014	0	0	0	0	0	0	0	0	0	0	0	0	2009
11060	24	226.4	53676	0	0	0	0	0	0	0	0	0	0	0	0	2009
10682	168	250.9	931	1	0	0	0	0	0	0	0	0	0	0	0	2010
10724	168	251.9	1303	1	0	0	0	0	0	0	0	0	0	0	0	2010
11322	168	160.1	28109	1	0	0	0	0	0	0	0	0	0	0	0	2010
11195	168	180.1	35985	1	0	0	0	0	0	0	0	0	0	0	0	2010
11177	158	165.8	30871	0	1	0	0	0	0	0	0	0	0	0	0	2010
12195	72	149.8	25483	0	1	0	0	0	0	0	0	0	0	0	1	2010
11088	168	219.3	51081	0	1	0	0	0	0	0	0	0	0	0	0	2010
11187	168	196.9	42955	0	1	0	0	0	0	0	0	0	0	0	0	2010
11547	168	170.9	33460	0	0	1	0	0	0	0	0	0	0	0	0	2010
11125	118	177.3	36018	0	0	1	0	0	0	0	0	0	0	0	0	2010
11613	135	155.6	27303	0	0	0	1	0	0	0	0	0	0	0	1	2010
11736	125	148.9	25450	0	0	0	1	0	0	0	0	0	0	0	1	2010
11968	168	133.3	18245	0	0	0	0	1	0	0	0	0	0	0	0	2010
11520	168	183.2	38438	0	0	0	0	1	0	0	0	0	0	0	0	2010
11350	168	219.4	52660	0	0	0	0	1	0	0	0	0	0	0	0	2010
11698	136	205.8	48181	0	0	0	0	1	0	0	0	0	0	0	1	2010
11528	134	220.7	53434	0	0	0	0	1	0	0	0	0	0	0	1	2010
11490	162	218.3	53240	0	0	0	0	0	1	0	0	0	0	0	0	2010
11462	138	223.2	54903	0	0	0	0	0	1	0	0	0	0	0	1	2010
11369	124	222.5	55126	0	0	0	0	0	1	0	0	0	0	0	1	2010
11267	109	222.7	54699	0	0	0	0	0	1	0	0	0	0	0	1	2010

Data Base for CRIST 6 Target Heat Rate Equation

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

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

AMW Average load on the unit, in MW.

LSRF Load square range factor, in MW².

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

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

YEAR The year of the observation.

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

Data Base for CRIST 7 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10950	73	386.1	29840	0	0	0	0	0	0	1	0	0	0	0	1	2007
10771	165	451.1	9761	0	0	0	0	0	0	1	0	0	0	0	1	2007
10606	168	459.1	15434	0	0	0	0	0	0	1	0	0	0	0	0	2007
10697	168	447.5	5291	0	0	0	0	0	0	1	0	0	0	0	0	2007
10845	168	453.1	9529	0	0	0	0	0	0	0	1	0	0	0	0	2007
10945	168	460.6	15611	0	0	0	0	0	0	0	1	0	0	0	0	2007
10921	168	438.0	63670	0	0	0	0	0	0	0	1	0	0	0	0	2007
10926	152	448.4	7715	0	0	0	0	0	0	0	1	0	0	0	0	2007
10844	144	403.7	39849	0	0	0	0	0	0	0	1	0	0	0	1	2007
10749	135	408.8	44216	0	0	0	0	0	0	0	0	1	0	0	0	2007
11534	73	292.9	36750	0	0	0	0	0	0	0	0	1	0	0	3	2007
10772	168	365.2	12273	0	0	0	0	0	0	0	0	1	0	0	0	2007
10526	168	437.1	63500	0	0	0	0	0	0	0	0	1	0	0	0	2007
10583	168	445.6	3742	0	0	0	0	0	0	0	0	0	1	0	0	2007
10540	168	410.7	41451	0	0	0	0	0	0	0	0	0	1	0	0	2007
10693	168	428.5	56460	0	0	0	0	0	0	0	0	0	1	0	0	2007
10547	168	410.3	41904	0	0	0	0	0	0	0	0	0	1	0	0	2007
10866	163	424.8	54356	0	0	0	0	0	0	0	0	0	1	0	0	2007
10966	145	428.6	56349	0	0	0	0	0	0	0	0	0	0	1	0	2007
11133	104	340.7	59481	0	0	0	0	0	0	0	0	0	0	1	1	2007
10834	168	361.4	6551	0	0	0	0	0	0	0	0	0	0	1	0	2007
10265	168	433.3	59673	0	0	0	0	0	0	0	0	0	0	0	0	2007
10351	168	402.7	36976	0	0	0	0	0	0	0	0	0	0	0	0	2007
10330	168	399.6	29281	0	0	0	0	0	0	0	0	0	0	0	0	2007
9922	168	428.1	53196	0	0	0	0	0	0	0	0	0	0	0	0	2007
9900	24	405.2	35895	0	0	0	0	0	0	0	0	0	0	0	0	2007
10616	133	424.7	56678	1	0	0	0	0	0	0	0	0	0	0	1	2008
10525	168	442.0	1545	1	0	0	0	0	0	0	0	0	0	0	0	2008
10506	168	463.2	18343	1	0	0	0	0	0	0	0	0	0	0	0	2008
10368	168	452.6	9553	1	0	0	0	0	0	0	0	0	0	0	0	2008
10488	168	428.2	54290	0	1	0	0	0	0	0	0	0	0	0	0	2008
10756	168	431.9	56945	0	1	0	0	0	0	0	0	0	0	0	0	2008
10739	168	434.7	61352	0	1	0	0	0	0	0	0	0	0	0	0	2008
10612	168	452.1	8176	0	1	0	0	0	0	0	0	0	0	0	0	2008
10776	168	415.5	47194	0	1	0	0	0	0	0	0	0	0	0	0	2008
10983	167	280.5	18606	0	0	1	0	0	0	0	0	0	0	0	0	2008
11094	168	316.4	38832	0	0	1	0	0	0	0	0	0	0	0	0	2008
11119	168	274.4	10867	0	0	1	0	0	0	0	0	0	0	0	0	2008
10969	168	326.0	46678	0	0	1	0	0	0	0	0	0	0	0	0	2008
10599	168	419.6	48506	0	0	0	1	0	0	0	0	0	0	0	0	2008
11092	71	353.2	7919	0	0	0	1	0	0	0	0	0	0	0	1	2008
10690	168	416.7	47728	0	0	0	1	0	0	0	0	0	0	0	0	2008
10533	168	429.5	58355	0	0	0	1	0	0	0	0	0	0	0	0	2008
10892	168	395.9	34013	0	0	0	0	1	0	0	0	0	0	0	0	2008
10797	168	398.6	34960	0	0	0	0	1	0	0	0	0	0	0	0	2008
10803	168	348.5	64825	0	0	0	0	1	0	0	0	0	0	0	0	2008
10830	168	333.4	53090	0	0	0	0	1	0	0	0	0	0	0	0	2008

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
10789	168	389.3	27611	0	0	0	0	1	0	0	0	0	0	0	0	2008
10789	168	388.1	24986	0	0	0	0	0	1	0	0	0	0	0	0	2008
10678	168	379.5	19601	0	0	0	0	0	1	0	0	0	0	0	0	2008
11059	87	321.8	51853	0	0	0	0	0	1	0	0	0	0	0	2	2008
10713	168	378.2	17453	0	0	0	0	0	1	0	0	0	0	0	0	2008
10363	168	357.1	3143	0	0	0	0	0	0	1	0	0	0	0	0	2008
10600	136	340.6	55427	0	0	0	0	0	0	1	0	0	0	0	1	2008
10606	168	439.2	64038	0	0	0	0	0	0	1	0	0	0	0	0	2008
10905	142	407.9	42403	0	0	0	0	0	0	1	0	0	0	0	1	2008
10865	168	403.0	38452	0	0	0	0	0	0	0	1	0	0	0	0	2008
10744	168	395.7	30152	0	0	0	0	0	0	0	1	0	0	0	0	2008
11006	158	334.8	56350	0	0	0	0	0	0	0	1	0	0	0	0	2008
10955	144	371.6	12934	0	0	0	0	0	0	0	1	0	0	0	1	2008
10849	168	402.6	36339	0	0	0	0	0	0	0	1	0	0	0	0	2008
10781	168	415.2	44357	0	0	0	0	0	0	0	0	1	0	0	0	2008
10872	140	419.5	51299	0	0	0	0	0	0	0	0	1	0	0	1	2008
10784	97	362.8	8311	0	0	0	0	0	0	0	0	1	0	0	1	2008
10591	168	391.1	28612	0	0	0	0	0	0	0	0	1	0	0	0	2008
10315	168	381.4	20916	0	0	0	0	0	0	0	0	0	1	0	0	2008
10066	168	328.8	49066	0	0	0	0	0	0	0	0	0	1	0	0	2008
10387	168	316.9	40720	0	0	0	0	0	0	0	0	0	1	0	0	2008
10225	168	348.0	62106	0	0	0	0	0	0	0	0	0	1	0	0	2008
10119	169	375.1	15962	0	0	0	0	0	0	0	0	0	1	0	0	2008
10557	168	304.9	30107	0	0	0	0	0	0	0	0	0	0	1	0	2008
10482	142	341.7	56255	0	0	0	0	0	0	0	0	0	0	1	0	2008
10487	133	347.2	62197	0	0	0	0	0	0	0	0	0	0	1	1	2008
10324	161	335.7	51826	0	0	0	0	0	0	0	0	0	0	1	0	2008
10986	139	354.3	559	0	0	0	0	0	0	0	0	0	0	0	1	2008
11121	106	373.2	14558	0	0	0	0	0	0	0	0	0	0	0	0	2008
11580	44	328.7	58436	0	0	0	0	0	0	0	0	0	0	0	1	2008
11205	168	322.6	42299	0	0	0	0	0	0	0	0	0	0	0	0	2008
10829	24	377.4	13622	0	0	0	0	0	0	0	0	0	0	0	0	2008
10397	168	384.6	23969	1	0	0	0	0	0	0	0	0	0	0	0	2009
10277	168	379.7	18680	1	0	0	0	0	0	0	0	0	0	0	0	2009
10169	168	388.1	25511	1	0	0	0	0	0	0	0	0	0	0	0	2009
10284	98	320.1	44872	1	0	0	0	0	0	0	0	0	0	0	0	2009
12370	113	242.9	62603	0	0	1	0	0	0	0	0	0	0	0	2	2009
11063	168	352.1	63213	0	0	1	0	0	0	0	0	0	0	0	0	2009
11177	121	329.7	48381	0	0	1	0	0	0	0	0	0	0	0	0	2009
11558	72	362.1	8116	0	0	0	1	0	0	0	0	0	0	0	0	2009
10929	168	360.1	4640	0	0	0	1	0	0	0	0	0	0	0	0	2009
11578	98	289.2	25802	0	0	0	1	0	0	0	0	0	0	0	1	2009
11107	137	325.3	45506	0	0	0	0	1	0	0	0	0	0	0	1	2009
10872	168	358.5	5029	0	0	0	0	1	0	0	0	0	0	0	0	2009
10692	168	394.6	31497	0	0	0	0	1	0	0	0	0	0	0	0	2009
10785	168	405.9	38027	0	0	0	0	1	0	0	0	0	0	0	0	2009
11044	168	325.0	47718	0	0	0	0	1	0	0	0	0	0	0	0	2009

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
11176	168	293.2	23821	0	0	0	0	0	1	0	0	0	0	0	0	2009
11198	168	312.4	38746	0	0	0	0	0	1	0	0	0	0	0	0	2009
11015	168	395.2	30279	0	0	0	0	0	1	0	0	0	0	0	0	2009
11072	144	355.2	1616	0	0	0	0	0	1	0	0	0	0	0	0	2009
11011	168	382.6	19558	0	0	0	0	0	0	1	0	0	0	0	0	2009
10507	163	397.6	31765	0	0	0	0	0	0	1	0	0	0	0	0	2009
11902	38	271.3	14043	0	0	0	0	0	0	1	0	0	0	0	1	2009
10766	168	370.1	10152	0	0	0	0	0	0	1	0	0	0	0	0	2009
11123	168	335.9	51494	0	0	0	0	0	0	0	1	0	0	0	0	2009
11156	168	329.3	47428	0	0	0	0	0	0	0	1	0	0	0	0	2009
11048	167	293.0	22390	0	0	0	0	0	0	0	1	0	0	0	0	2009
11920	135	248.3	1860	0	0	0	0	0	0	0	1	0	0	0	0	2009
11336	168	277.8	13491	0	0	0	0	0	0	0	1	0	0	0	0	2009
11427	168	273.1	10279	0	0	0	0	0	0	0	0	1	0	0	0	2009
11033	168	300.7	28238	0	0	0	0	0	0	0	0	1	0	0	0	2009
11164	168	312.9	36398	0	0	0	0	0	0	0	0	1	0	0	0	2009
10853	168	314.0	37185	0	0	0	0	0	0	0	0	1	0	0	0	2009
11801	41	305.6	32485	0	0	0	0	0	0	0	0	0	1	0	0	2009
*16762	53	107.8	14985	0	0	0	0	0	0	0	0	0	0	0	2	2009
10700	78	371.5	25119	0	0	0	0	0	0	0	0	0	0	0	0	2009
11148	138	379.2	25995	0	0	0	0	0	0	0	0	0	0	0	1	2009
10861	165	358.4	6905	0	0	0	0	0	0	0	0	0	0	0	0	2009
10356	24	394.0	27815	0	0	0	0	0	0	0	0	0	0	0	0	2009
10657	168	430.9	58914	1	0	0	0	0	0	0	0	0	0	0	0	2010
10795	134	408.4	49527	1	0	0	0	0	0	0	0	0	0	0	1	2010
12155	166	198.4	40339	1	0	0	0	0	0	0	0	0	0	0	0	2010
10136	168	394.3	31307	1	0	0	0	0	0	0	0	0	0	0	0	2010
10006	168	349.4	64020	0	1	0	0	0	0	0	0	0	0	0	0	2010
10137	168	351.4	64208	0	1	0	0	0	0	0	0	0	0	0	0	2010
10434	168	401.0	36771	0	1	0	0	0	0	0	0	0	0	0	0	2010
10255	168	354.5	1331	0	1	0	0	0	0	0	0	0	0	0	0	2010
10339	168	330.6	50205	0	0	1	0	0	0	0	0	0	0	0	0	2010
10468	168	308.4	35039	0	0	1	0	0	0	0	0	0	0	0	0	2010
10638	167	305.4	33465	0	0	1	0	0	0	0	0	0	0	0	0	2010
10758	168	292.4	25355	0	0	1	0	0	0	0	0	0	0	0	0	2010
10704	168	272.4	9874	0	0	1	0	0	0	0	0	0	0	0	0	2010
11184	70	266.0	11971	0	0	0	1	0	0	0	0	0	0	0	1	2010
10393	168	311.8	37343	0	0	0	1	0	0	0	0	0	0	0	0	2010
10508	168	306.9	32798	0	0	0	1	0	0	0	0	0	0	0	0	2010
10705	168	306.9	34996	0	0	0	1	0	0	0	0	0	0	0	0	2010
10631	168	298.9	27143	0	0	0	0	1	0	0	0	0	0	0	0	2010
10391	168	347.3	63736	0	0	0	0	1	0	0	0	0	0	0	0	2010
10482	168	392.9	31209	0	0	0	0	1	0	0	0	0	0	0	0	2010
10668	168	381.7	23587	0	0	0	0	1	0	0	0	0	0	0	0	2010
10643	168	316.7	44198	0	0	0	0	1	0	0	0	0	0	0	0	2010
9925	168	385.6	26366	0	0	0	0	0	1	0	0	0	0	0	0	2010
9803	168	390.2	28688	0	0	0	0	0	1	0	0	0	0	0	0	2010

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
9868	168	386.4	26714	0	0	0	0	0	1	0	0	0	0	0	0	2010
10189	120	383.6	23777	0	0	0	0	0	1	0	0	0	0	0	0	2010

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.

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 SMITH 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10306	168	143.3	21097	0	0	0	0	0	0	1	0	0	0	0	0	2007
10348	168	152.0	23387	0	0	0	0	0	0	1	0	0	0	0	0	2007
10559	120	129.4	17066	0	0	0	0	0	0	1	0	0	0	0	0	2007
10895	63	120.4	16581	0	0	0	0	0	0	0	1	0	0	0	1	2007
10290	168	149.7	22658	0	0	0	0	0	0	0	1	0	0	0	0	2007
10148	168	154.5	24406	0	0	0	0	0	0	0	1	0	0	0	0	2007
10383	168	141.2	20782	0	0	0	0	0	0	0	1	0	0	0	0	2007
10322	168	134.7	18643	0	0	0	0	0	0	0	1	0	0	0	0	2007
10274	168	133.4	18225	0	0	0	0	0	0	0	0	1	0	0	0	2007
10240	168	135.3	18742	0	0	0	0	0	0	0	0	1	0	0	0	2007
10264	168	130.5	17536	0	0	0	0	0	0	0	0	1	0	0	0	2007
10212	168	133.0	18167	0	0	0	0	0	0	0	0	1	0	0	0	2007
10104	168	143.8	21082	0	0	0	0	0	0	0	0	0	1	0	0	2007
10239	168	138.2	19536	0	0	0	0	0	0	0	0	0	1	0	0	2007
10146	168	142.3	20608	0	0	0	0	0	0	0	0	0	1	0	0	2007
10237	168	140.1	19959	0	0	0	0	0	0	0	0	0	1	0	0	2007
10057	168	141.8	20401	0	0	0	0	0	0	0	0	0	1	0	0	2007
9893	169	145.0	21342	0	0	0	0	0	0	0	0	0	0	1	0	2007
10248	168	143.7	20961	0	0	0	0	0	0	0	0	0	0	1	0	2007
10168	168	122.6	15143	0	0	0	0	0	0	0	0	0	0	1	0	2007
10216	168	128.5	16806	0	0	0	0	0	0	0	0	0	0	1	0	2007
10025	168	149.1	22524	0	0	0	0	0	0	0	0	0	0	0	0	2007
10145	168	143.7	20984	0	0	0	0	0	0	0	0	0	0	0	0	2007
10214	168	145.2	21560	0	0	0	0	0	0	0	0	0	0	0	0	2007
10259	168	148.5	22331	0	0	0	0	0	0	0	0	0	0	0	0	2007
10322	24	145.2	21348	0	0	0	0	0	0	0	0	0	0	0	0	2007
10246	168	156.3	24548	1	0	0	0	0	0	0	0	0	0	0	0	2008
10142	168	152.3	23525	1	0	0	0	0	0	0	0	0	0	0	0	2008
10267	168	157.8	25010	1	0	0	0	0	0	0	0	0	0	0	0	2008
10157	168	156.7	24688	1	0	0	0	0	0	0	0	0	0	0	0	2008
10161	168	159.0	25362	0	1	0	0	0	0	0	0	0	0	0	0	2008
10230	168	154.9	24173	0	1	0	0	0	0	0	0	0	0	0	0	2008
10242	168	152.1	23382	0	1	0	0	0	0	0	0	0	0	0	0	2008
10363	168	154.8	24109	0	1	0	0	0	0	0	0	0	0	0	0	2008
10225	168	146.9	22063	0	1	0	0	0	0	0	0	0	0	0	0	2008
10290	167	122.5	15041	0	0	1	0	0	0	0	0	0	0	0	0	2008
10298	168	121.4	14969	0	0	1	0	0	0	0	0	0	0	0	0	2008
10274	168	109.5	12052	0	0	1	0	0	0	0	0	0	0	0	0	2008
10357	168	122.4	15384	0	0	1	0	0	0	0	0	0	0	0	0	2008
10145	168	150.0	22781	0	0	0	1	0	0	0	0	0	0	0	0	2008
10257	121	154.3	24288	0	0	0	1	0	0	0	0	0	0	0	0	2008
10476	68	144.7	22050	0	0	0	1	0	0	0	0	0	0	0	1	2008
10558	44	133.5	18959	0	0	0	1	0	0	0	0	0	0	0	1	2008
10137	168	145.7	21544	0	0	0	0	1	0	0	0	0	0	0	0	2008
10068	168	145.4	21639	0	0	0	0	1	0	0	0	0	0	0	0	2008
10164	168	126.0	16541	0	0	0	0	1	0	0	0	0	0	0	0	2008
10249	168	129.5	17234	0	0	0	0	1	0	0	0	0	0	0	0	2008

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
10298	168	142.3	20711	0	0	0	0	1	0	0	0	0	0	0	0	2008
10404	168	137.9	19521	0	0	0	0	0	1	0	0	0	0	0	0	2008
10349	168	136.6	19394	0	0	0	0	0	1	0	0	0	0	0	0	2008
10386	168	140.3	20491	0	0	0	0	0	1	0	0	0	0	0	0	2008
10403	168	138.2	19581	0	0	0	0	0	1	0	0	0	0	0	0	2008
10402	168	131.0	17715	0	0	0	0	0	0	1	0	0	0	0	0	2008
10243	168	133.2	18239	0	0	0	0	0	0	1	0	0	0	0	0	2008
10254	168	158.9	25324	0	0	0	0	0	0	1	0	0	0	0	0	2008
10320	168	140.2	20782	0	0	0	0	0	0	1	0	0	0	0	0	2008
10413	168	131.8	18669	0	0	0	0	0	0	0	1	0	0	0	0	2008
10399	168	132.2	18489	0	0	0	0	0	0	0	1	0	0	0	0	2008
10298	168	138.4	19779	0	0	0	0	0	0	0	1	0	0	0	0	2008
10294	168	140.7	20234	0	0	0	0	0	0	0	1	0	0	0	0	2008
10460	168	130.3	17994	0	0	0	0	0	0	0	1	0	0	0	0	2008
10374	168	132.1	18802	0	0	0	0	0	0	0	0	1	0	0	0	2008
10543	168	125.1	17399	0	0	0	0	0	0	0	0	1	0	0	0	2008
10453	168	125.0	17302	0	0	0	0	0	0	0	0	1	0	0	0	2008
10180	168	135.7	19252	0	0	0	0	0	0	0	0	1	0	0	0	2008
10236	168	140.0	20155	0	0	0	0	0	0	0	0	0	1	0	0	2008
10298	111	128.1	17183	0	0	0	0	0	0	0	0	0	1	0	0	2008
10544	99	126.7	16793	0	0	0	0	0	0	0	0	0	0	1	1	2008
10311	168	143.6	21067	0	0	0	0	0	0	0	0	0	0	1	0	2008
10254	168	154.3	24025	0	0	0	0	0	0	0	0	0	0	1	0	2008
10144	168	146.5	21886	0	0	0	0	0	0	0	0	0	0	1	0	2008
10197	168	148.5	22288	0	0	0	0	0	0	0	0	0	0	0	0	2008
10312	168	140.9	20253	0	0	0	0	0	0	0	0	0	0	0	0	2008
10306	168	144.4	21239	0	0	0	0	0	0	0	0	0	0	0	0	2008
10258	143	127.0	16581	0	0	0	0	0	0	0	0	0	0	0	0	2008
11238	20	113.1	14993	0	0	0	0	0	0	0	0	0	0	0	1	2008
10377	168	115.2	13364	1	0	0	0	0	0	0	0	0	0	0	0	2009
10411	168	111.8	12689	1	0	0	0	0	0	0	0	0	0	0	0	2009
10383	168	114.5	13244	1	0	0	0	0	0	0	0	0	0	0	0	2009
10493	168	103.6	10865	1	0	0	0	0	0	0	0	0	0	0	0	2009
10416	168	120.4	15032	0	1	0	0	0	0	0	0	0	0	0	0	2009
10314	47	133.7	18715	0	1	0	0	0	0	0	0	0	0	0	0	2009
10532	149	120.8	15230	0	0	1	0	0	0	0	0	0	0	0	1	2009
10342	117	125.9	16386	0	0	1	0	0	0	0	0	0	0	0	0	2009
10783	100	107.4	12864	0	0	0	0	1	0	0	0	0	0	0	1	2009
10491	129	124.0	16415	0	0	0	0	1	0	0	0	0	0	0	0	2009
10513	165	124.7	16205	0	0	0	0	1	0	0	0	0	0	0	1	2009
10810	153	110.2	13381	0	0	0	0	1	0	0	0	0	0	0	0	2009
10788	69	108.0	12864	0	0	0	0	0	1	0	0	0	0	0	1	2009
* 605	144	143.1	11743	0	0	0	0	0	1	0	0	0	0	0	0	2009
10943	144	103.5	12039	0	0	0	0	0	1	0	0	0	0	0	0	2009
10674	168	120.0	15307	0	0	0	0	0	0	1	0	0	0	0	0	2009
10761	168	125.2	16626	0	0	0	0	0	0	1	0	0	0	0	0	2009
10998	168	110.9	13206	0	0	0	0	0	0	1	0	0	0	0	0	2009

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
10808	168	113.6	13670	0	0	0	0	0	0	1	0	0	0	0	0	2009
10848	168	108.4	12444	0	0	0	0	0	0	0	1	0	0	0	0	2009
10843	168	111.6	13208	0	0	0	0	0	0	0	1	0	0	0	0	2009
10907	168	99.9	10480	0	0	0	0	0	0	0	1	0	0	0	0	2009
10893	168	98.9	10364	0	0	0	0	0	0	0	1	0	0	0	0	2009
11005	168	86.5	7951	0	0	0	0	0	0	0	1	0	0	0	0	2009
11044	168	91.2	9084	0	0	0	0	0	0	0	0	1	0	0	0	2009
11041	168	87.4	8313	0	0	0	0	0	0	0	0	1	0	0	0	2009
10873	168	100.8	11028	0	0	0	0	0	0	0	0	1	0	0	0	2009
10694	168	111.9	13547	0	0	0	0	0	0	0	0	1	0	0	0	2009
10682	97	122.1	15760	0	0	0	0	0	0	0	0	0	1	0	0	2009
10830	91	107.3	11941	0	0	0	0	0	0	0	0	0	0	0	1	2009
10589	168	103.8	11040	0	0	0	0	0	0	0	0	0	0	0	0	2009
10724	60	101.5	10860	0	0	0	0	0	0	0	0	0	0	0	0	2009
11348	13	115.1	15129	0	0	0	0	0	0	0	0	0	0	0	1	2009
10420	168	147.2	21924	1	0	0	0	0	0	0	0	0	0	0	0	2010
10590	168	133.7	19157	1	0	0	0	0	0	0	0	0	0	0	0	2010
10689	168	113.5	13327	1	0	0	0	0	0	0	0	0	0	0	0	2010
10704	168	115.2	13640	1	0	0	0	0	0	0	0	0	0	0	0	2010
10514	168	120.0	14965	0	1	0	0	0	0	0	0	0	0	0	0	2010
10651	168	122.9	15722	0	1	0	0	0	0	0	0	0	0	0	0	2010
10642	168	129.2	17227	0	1	0	0	0	0	0	0	0	0	0	0	2010
10776	168	115.4	13895	0	1	0	0	0	0	0	0	0	0	0	0	2010
10632	168	119.3	14744	0	0	1	0	0	0	0	0	0	0	0	0	2010
10660	168	107.4	12046	0	0	1	0	0	0	0	0	0	0	0	0	2010
10786	167	91.4	8516	0	0	1	0	0	0	0	0	0	0	0	0	2010
10783	168	93.2	8788	0	0	1	0	0	0	0	0	0	0	0	0	2010
10820	168	89.6	8119	0	0	1	0	0	0	0	0	0	0	0	0	2010
10674	168	97.1	9629	0	0	0	1	0	0	0	0	0	0	0	0	2010
10702	143	88.9	8005	0	0	0	1	0	0	0	0	0	0	0	0	2010
11416	69	81.6	6820	0	0	0	1	0	0	0	0	0	0	0	1	2010
10916	168	89.1	8035	0	0	0	0	1	0	0	0	0	0	0	0	2010
11225	168	73.9	5703	0	0	0	0	1	0	0	0	0	0	0	0	2010
11137	168	74.1	5681	0	0	0	0	1	0	0	0	0	0	0	0	2010
* 479	144	73.4	7307	0	0	0	0	1	0	0	0	0	0	0	0	2010
11156	168	71.9	5279	0	0	0	0	1	0	0	0	0	0	0	0	2010
10941	168	95.3	10313	0	0	0	0	0	1	0	0	0	0	0	0	2010
10658	168	126.9	17481	0	0	0	0	0	1	0	0	0	0	0	0	2010
10676	168	127.9	17883	0	0	0	0	0	1	0	0	0	0	0	0	2010
10664	144	126.6	17498	0	0	0	0	0	1	0	0	0	0	0	0	2010

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
10490	168	172.9	30900	0	0	0	0	0	0	1	0	0	0	0	0	2007
10339	168	179.6	32986	0	0	0	0	0	0	1	0	0	0	0	0	2007
10536	168	173.9	31410	0	0	0	0	0	0	1	0	0	0	0	0	2007
10520	168	180.8	33238	0	0	0	0	0	0	1	0	0	0	0	0	2007
10507	168	176.5	31658	0	0	0	0	0	0	0	1	0	0	0	1	2007
10374	168	180.8	33098	0	0	0	0	0	0	0	1	0	0	0	0	2007
10400	168	169.6	29748	0	0	0	0	0	0	0	1	0	0	0	0	2007
10338	168	174.7	31295	0	0	0	0	0	0	0	1	0	0	0	0	2007
10368	168	163.6	27784	0	0	0	0	0	0	0	1	0	0	0	0	2007
10340	168	163.7	27707	0	0	0	0	0	0	0	0	1	0	0	0	2007
10289	168	167.6	28882	0	0	0	0	0	0	0	0	1	0	0	0	2007
10262	168	156.6	25581	0	0	0	0	0	0	0	0	1	0	0	0	2007
10225	167	163.9	27829	0	0	0	0	0	0	0	0	1	0	0	0	2007
10144	168	178.9	32520	0	0	0	0	0	0	0	0	0	1	0	0	2007
10273	168	173.0	30594	0	0	0	0	0	0	0	0	0	1	0	0	2007
10281	168	173.1	30551	0	0	0	0	0	0	0	0	0	1	0	0	2007
10273	168	168.0	29077	0	0	0	0	0	0	0	0	0	1	0	0	2007
10212	168	172.2	30233	0	0	0	0	0	0	0	0	0	1	0	0	2007
10211	169	176.6	31558	0	0	0	0	0	0	0	0	0	0	1	0	2007
10293	168	180.7	33027	0	0	0	0	0	0	0	0	0	0	1	0	2007
10318	168	142.4	20622	0	0	0	0	0	0	0	0	0	0	1	0	2007
10326	168	152.8	23997	0	0	0	0	0	0	0	0	0	0	1	0	2007
10205	168	179.9	32819	0	0	0	0	0	0	0	0	0	0	0	0	2007
10311	168	173.6	30989	0	0	0	0	0	0	0	0	0	0	0	0	2007
10315	168	182.7	33630	0	0	0	0	0	0	0	0	0	0	0	0	2007
10365	168	181.0	33185	0	0	0	0	0	0	0	0	0	0	0	0	2007
10443	24	175.0	31126	0	0	0	0	0	0	0	0	0	0	0	0	2007
10303	168	182.9	33787	1	0	0	0	0	0	0	0	0	0	0	0	2008
10261	168	178.7	32467	1	0	0	0	0	0	0	0	0	0	0	0	2008
10283	168	185.5	34582	1	0	0	0	0	0	0	0	0	0	0	0	2008
10267	168	183.0	33747	1	0	0	0	0	0	0	0	0	0	0	0	2008
10364	168	178.1	31996	0	1	0	0	0	0	0	0	0	0	0	0	2008
10360	168	183.2	33793	0	1	0	0	0	0	0	0	0	0	0	0	2008
10478	119	161.7	28466	0	1	0	0	0	0	0	0	0	0	0	1	2008
10920	168	82.0	6744	0	1	0	0	0	0	0	0	0	0	0	0	2008
10779	168	90.4	8757	0	1	0	0	0	0	0	0	0	0	0	0	2008
10447	167	149.4	22481	0	0	1	0	0	0	0	0	0	0	0	0	2008
10415	168	153.3	23797	0	0	1	0	0	0	0	0	0	0	0	0	2008
10293	168	140.8	20159	0	0	1	0	0	0	0	0	0	0	0	0	2008
10440	168	144.9	21788	0	0	1	0	0	0	0	0	0	0	0	0	2008
10267	168	179.8	32642	0	0	0	1	0	0	0	0	0	0	0	0	2008
10387	168	181.4	33115	0	0	0	1	0	0	0	0	0	0	0	0	2008
10457	168	169.3	29580	0	0	0	1	0	0	0	0	0	0	0	0	2008
10408	168	169.1	29237	0	0	0	1	0	0	0	0	0	0	0	0	2008
10700	95	155.5	25564	0	0	0	0	1	0	0	0	0	0	0	1	2008
10592	168	165.7	28080	0	0	0	0	1	0	0	0	0	0	0	0	2008
10817	81	156.8	26250	0	0	0	0	0	1	0	0	0	0	0	1	2008

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
10434	168	164.5	27844	0	0	0	0	0	1	0	0	0	0	0	0	2008
10557	168	158.0	26624	0	0	0	0	0	1	0	0	0	0	0	0	2008
10535	168	151.7	24422	0	0	0	0	0	1	0	0	0	0	0	0	2008
10402	168	131.0	17715	0	0	0	0	0	0	1	0	0	0	0	0	2008
10243	168	133.2	18239	0	0	0	0	0	0	1	0	0	0	0	0	2008
10254	168	158.9	25324	0	0	0	0	0	0	1	0	0	0	0	0	2008
10320	168	140.2	20782	0	0	0	0	0	0	1	0	0	0	0	0	2008
10413	168	131.8	18669	0	0	0	0	0	0	0	1	0	0	0	0	2008
10399	168	132.2	18489	0	0	0	0	0	0	0	1	0	0	0	0	2008
10298	168	138.4	19779	0	0	0	0	0	0	0	1	0	0	0	0	2008
10294	168	140.7	20234	0	0	0	0	0	0	0	1	0	0	0	0	2008
10460	168	130.3	17994	0	0	0	0	0	0	0	1	0	0	0	0	2008
10374	168	132.1	18802	0	0	0	0	0	0	0	0	1	0	0	0	2008
10543	168	125.1	17399	0	0	0	0	0	0	0	0	1	0	0	0	2008
10453	168	125.0	17302	0	0	0	0	0	0	0	0	1	0	0	0	2008
10180	168	135.7	19252	0	0	0	0	0	0	0	0	1	0	0	0	2008
10236	168	140.0	20155	0	0	0	0	0	0	0	0	0	1	0	0	2008
10298	111	128.1	17183	0	0	0	0	0	0	0	0	0	1	0	0	2008
10544	99	126.7	16793	0	0	0	0	0	0	0	0	0	0	1	1	2008
10311	168	143.6	21067	0	0	0	0	0	0	0	0	0	0	1	0	2008
10254	168	154.3	24025	0	0	0	0	0	0	0	0	0	0	1	0	2008
10144	168	146.5	21886	0	0	0	0	0	0	0	0	0	0	1	0	2008
10197	168	148.5	22288	0	0	0	0	0	0	0	0	0	0	0	0	2008
10312	168	140.9	20253	0	0	0	0	0	0	0	0	0	0	0	0	2008
10306	168	144.4	21239	0	0	0	0	0	0	0	0	0	0	0	0	2008
10258	143	127.0	16581	0	0	0	0	0	0	0	0	0	0	0	0	2008
11238	20	113.1	14993	0	0	0	0	0	0	0	0	0	0	0	1	2008
10629	168	135.4	18715	1	0	0	0	0	0	0	0	0	0	0	0	2009
10662	168	138.2	19445	1	0	0	0	0	0	0	0	0	0	0	0	2009
10504	168	146.0	21460	1	0	0	0	0	0	0	0	0	0	0	0	2009
10582	47	161.7	26892	1	0	0	0	0	0	0	0	0	0	0	0	2009
10627	26	113.9	15604	0	1	0	0	0	0	0	0	0	0	0	1	2009
10225	168	148.1	22146	0	1	0	0	0	0	0	0	0	0	0	0	2009
10215	168	146.9	21771	0	1	0	0	0	0	0	0	0	0	0	0	2009
10329	168	148.7	22441	0	1	0	0	0	0	0	0	0	0	0	0	2009
10249	168	154.2	24438	0	0	1	0	0	0	0	0	0	0	0	0	2009
10268	167	125.6	15960	0	0	1	0	0	0	0	0	0	0	0	0	2009
10234	168	141.9	20855	0	0	1	0	0	0	0	0	0	0	0	0	2009
10215	168	151.0	23352	0	0	1	0	0	0	0	0	0	0	0	0	2009
10373	168	144.0	21336	0	0	1	0	0	0	0	0	0	0	0	0	2009
10468	168	149.1	22725	0	0	0	1	0	0	0	0	0	0	0	0	2009
10268	144	137.8	19998	0	0	0	1	0	0	0	0	0	0	0	0	2009
10385	168	137.0	20140	0	0	0	1	0	0	0	0	0	0	0	0	2009
10175	50	152.0	25400	0	0	0	1	0	0	0	0	0	0	0	0	2009
10174	29	135.3	21413	0	0	0	0	1	0	0	0	0	0	0	1	2009
10130	168	153.2	24496	0	0	0	0	1	0	0	0	0	0	0	0	2009
10098	168	147.0	23168	0	0	0	0	1	0	0	0	0	0	0	0	2009

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
10108	168	135.3	19422	0	0	0	0	1	0	0	0	0	0	0	0	2009
10399	168	115.9	14465	0	0	0	0	1	0	0	0	0	0	0	0	2009
10816	168	100.4	10192	0	0	0	0	0	1	0	0	0	0	0	0	2009
10459	168	114.4	13921	0	0	0	0	0	1	0	0	0	0	0	0	2009
10574	168	110.9	13733	0	0	0	0	0	1	0	0	0	0	0	0	2009
10856	144	104.1	11844	0	0	0	0	0	1	0	0	0	0	0	0	2009
10557	168	117.1	14688	0	0	0	0	0	0	1	0	0	0	0	0	2009
10591	168	122.3	16210	0	0	0	0	0	0	1	0	0	0	0	0	2009
10708	107	116.8	14797	0	0	0	0	0	0	1	0	0	0	0	1	2009
10468	168	118.3	14471	0	0	0	0	0	0	1	0	0	0	0	0	2009
10412	168	116.8	13998	0	0	0	0	0	0	0	1	0	0	0	0	2009
10538	168	120.7	15058	0	0	0	0	0	0	0	1	0	0	0	0	2009
10573	168	118.6	14396	0	0	0	0	0	0	0	1	0	0	0	0	2009
10287	161	125.8	16656	0	0	0	0	0	0	0	1	0	0	0	0	2009
10466	143	120.7	15910	0	0	0	0	0	0	0	0	1	0	0	1	2009
10247	168	136.7	19363	0	0	0	0	0	0	0	0	0	1	0	0	2009
10111	168	152.0	24071	0	0	0	0	0	0	0	0	0	1	0	0	2009
10107	168	144.7	21517	0	0	0	0	0	0	0	0	0	1	0	0	2009
10188	168	139.0	19620	0	0	0	0	0	0	0	0	0	1	0	0	2009
10127	169	121.7	15143	0	0	0	0	0	0	0	0	0	1	0	0	2009
10004	168	121.8	14983	0	0	0	0	0	0	0	0	0	0	1	0	2009
10155	168	117.3	14042	0	0	0	0	0	0	0	0	0	0	1	0	2009
*11619	144	125.2	15564	0	0	0	0	0	0	0	0	0	0	1	0	2009
10102	168	125.3	15873	0	0	0	0	0	0	0	0	0	0	1	0	2009
10157	88	120.4	14862	0	0	0	0	0	0	0	0	0	0	0	0	2009
10798	79	143.2	21976	0	0	0	0	0	0	0	0	0	0	0	1	2009
10973	168	123.1	15560	0	0	0	0	0	0	0	0	0	0	0	0	2009
10893	24	125.2	15843	0	0	0	0	0	0	0	0	0	0	0	0	2009
10647	168	165.0	27718	1	0	0	0	0	0	0	0	0	0	0	0	2010
10596	168	170.5	29610	1	0	0	0	0	0	0	0	0	0	0	0	2010
10848	168	120.5	14989	1	0	0	0	0	0	0	0	0	0	0	0	2010
10487	168	130.8	17304	1	0	0	0	0	0	0	0	0	0	0	0	2010
10251	168	133.4	18330	0	1	0	0	0	0	0	0	0	0	0	0	2010
10269	168	141.7	20626	0	1	0	0	0	0	0	0	0	0	0	0	2010
10421	168	149.5	23048	0	1	0	0	0	0	0	0	0	0	0	0	2010
10492	168	126.5	16532	0	1	0	0	0	0	0	0	0	0	0	0	2010
10385	168	134.5	18558	0	0	1	0	0	0	0	0	0	0	0	0	2010
10491	168	126.0	16591	0	0	1	0	0	0	0	0	0	0	0	0	2010
10640	167	112.7	12880	0	0	1	0	0	0	0	0	0	0	0	0	2010
10423	25	126.8	17334	0	0	1	0	0	0	0	0	0	0	0	0	2010
10952	155	88.0	7937	0	0	0	1	0	0	0	0	0	0	0	0	2010
10818	168	87.5	7759	0	0	0	1	0	0	0	0	0	0	0	0	2010
10501	168	147.5	23597	0	0	0	0	1	0	0	0	0	0	0	0	2010
10529	168	149.4	24661	0	0	0	0	1	0	0	0	0	0	0	0	2010
10475	168	149.0	24588	0	0	0	0	1	0	0	0	0	0	0	0	2010
10528	168	145.1	23837	0	0	0	0	1	0	0	0	0	0	0	0	2010
10545	168	142.4	23035	0	0	0	0	1	0	0	0	0	0	0	0	2010

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
10632	168	144.4	23410	0	0	0	0	0	1	0	0	0	0	0	0	2010
10522	168	147.9	24368	0	0	0	0	0	1	0	0	0	0	0	0	2010
10664	168	146.9	24200	0	0	0	0	0	1	0	0	0	0	0	0	2010
10731	144	145.3	23680	0	0	0	0	0	1	0	0	0	0	0	0	2010

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
10277	168	446.6	8169	0	0	0	0	0	0	1	0	0	0	0	0	2007
10333	168	458.5	17450	0	0	0	0	0	0	1	0	0	0	0	0	2007
10286	168	423.5	55395	0	0	0	0	0	0	1	0	0	0	0	0	2007
10327	168	444.4	7012	0	0	0	0	0	0	1	0	0	0	0	0	2007
10216	168	467.4	23974	0	0	0	0	0	0	0	1	0	0	0	0	2007
10299	168	446.0	6598	0	0	0	0	0	0	0	1	0	0	0	0	2007
10152	166	426.6	58478	0	0	0	0	0	0	0	1	0	0	0	0	2007
9991	168	445.8	5868	0	0	0	0	0	0	0	1	0	0	0	0	2007
10366	168	404.5	38910	0	0	0	0	0	0	0	1	0	0	0	0	2007
10250	93	412.3	46309	0	0	0	0	0	0	0	0	1	0	0	0	2007
9897	132	442.8	6663	0	0	0	0	0	0	0	0	1	0	0	1	2007
9829	168	432.2	62784	0	0	0	0	0	0	0	0	1	0	0	0	2007
9758	144	436.4	39	0	0	0	0	0	0	0	0	1	0	0	0	2007
13123	28	222.4	62794	0	0	0	0	0	0	0	0	0	0	1	1	2007
10167	168	457.6	23808	0	0	0	0	0	0	0	0	0	0	1	0	2007
10224	152	479.7	38075	0	0	0	0	0	0	0	0	0	0	1	0	2007
10157	168	493.9	48255	0	0	0	0	0	0	0	0	0	0	1	0	2007
10097	168	483.1	39655	0	0	0	0	0	0	0	0	0	0	0	0	2007
10078	168	472.2	32229	0	0	0	0	0	0	0	0	0	0	0	0	2007
10118	168	487.5	42140	0	0	0	0	0	0	0	0	0	0	0	0	2007
10169	168	490.5	44603	0	0	0	0	0	0	0	0	0	0	0	0	2007
10364	24	471.3	27360	0	0	0	0	0	0	0	0	0	0	0	0	2007
10150	168	485.2	41443	1	0	0	0	0	0	0	0	0	0	0	0	2008
10098	168	487.5	42333	1	0	0	0	0	0	0	0	0	0	0	0	2008
10128	168	497.9	51271	1	0	0	0	0	0	0	0	0	0	0	0	2008
10344	168	495.1	48555	1	0	0	0	0	0	0	0	0	0	0	0	2008
10017	168	410.2	53776	0	1	0	0	0	0	0	0	0	0	0	0	2008
9992	168	493.3	47478	0	1	0	0	0	0	0	0	0	0	0	0	2008
9779	168	464.3	22990	0	1	0	0	0	0	0	0	0	0	0	0	2008
10481	47	316.0	37093	0	1	0	0	0	0	0	0	0	0	0	0	2008
11977	15	383.6	44187	0	1	0	0	0	0	0	0	0	0	0	1	2008
10082	167	496.3	50390	0	0	1	0	0	0	0	0	0	0	0	0	2008
10188	168	497.7	51101	0	0	1	0	0	0	0	0	0	0	0	0	2008
10144	168	497.7	51232	0	0	1	0	0	0	0	0	0	0	0	0	2008
9869	168	493.5	47695	0	0	1	0	0	0	0	0	0	0	0	0	2008
9996	168	495.7	49878	0	0	0	1	0	0	0	0	0	0	0	0	2008
9948	168	488.0	43746	0	0	0	1	0	0	0	0	0	0	0	0	2008
9998	168	478.7	36693	0	0	0	1	0	0	0	0	0	0	0	0	2008
10025	168	486.0	41155	0	0	0	1	0	0	0	0	0	0	0	0	2008
10326	168	460.7	23463	0	0	0	0	1	0	0	0	0	0	0	0	2008
10130	168	471.0	29080	0	0	0	0	1	0	0	0	0	0	0	0	2008
10238	168	461.4	24738	0	0	0	0	1	0	0	0	0	0	0	0	2008
10351	168	469.4	28386	0	0	0	0	1	0	0	0	0	0	0	0	2008
10157	168	485.0	39243	0	0	0	0	1	0	0	0	0	0	0	0	2008
10081	168	483.3	38130	0	0	0	0	0	1	0	0	0	0	0	0	2008
10103	168	482.9	37938	0	0	0	0	0	1	0	0	0	0	0	0	2008
10196	168	476.4	32720	0	0	0	0	0	1	0	0	0	0	0	0	2008

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
10107	167	464.5	25110	0	0	0	0	0	1	0	0	0	0	0	0	2008
10237	168	456.4	19354	0	0	0	0	0	0	1	0	0	0	0	0	2008
10195	163	470.4	28143	0	0	0	0	0	0	1	0	0	0	0	0	2008
10105	168	482.6	37611	0	0	0	0	0	0	1	0	0	0	0	0	2008
10187	168	470.6	26977	0	0	0	0	0	0	1	0	0	0	0	0	2008
10343	168	458.9	19742	0	0	0	0	0	0	0	1	0	0	0	0	2008
10437	168	443.0	11121	0	0	0	0	0	0	0	1	0	0	0	0	2008
10353	164	452.1	14788	0	0	0	0	0	0	0	1	0	0	0	0	2008
11566	27	340.3	17964	0	0	0	0	0	0	0	0	1	0	0	1	2008
10154	164	399.2	42081	0	0	0	0	0	0	0	0	0	1	0	0	2008
10068	168	387.8	36715	0	0	0	0	0	0	0	0	0	1	0	0	2008
10486	168	319.4	55814	0	0	0	0	0	0	0	0	0	1	0	0	2008
10903	164	271.2	18995	0	0	0	0	0	0	0	0	0	1	0	0	2008
10883	169	335.8	58044	0	0	0	0	0	0	0	0	0	1	0	0	2008
10340	168	348.4	2010	0	0	0	0	0	0	0	0	0	0	1	0	2008
10193	168	387.6	30562	0	0	0	0	0	0	0	0	0	0	1	0	2008
10209	168	391.2	33720	0	0	0	0	0	0	0	0	0	0	1	0	2008
10165	168	397.0	40212	0	0	0	0	0	0	0	0	0	0	1	0	2008
10113	168	421.7	55089	0	0	0	0	0	0	0	0	0	0	0	0	2008
10255	168	429.2	60616	0	0	0	0	0	0	0	0	0	0	0	0	2008
10504	168	400.0	42228	0	0	0	0	0	0	0	0	0	0	0	0	2008
10843	168	276.1	18173	0	0	0	0	0	0	0	0	0	0	0	0	2008
11014	24	356.5	6794	0	0	0	0	0	0	0	0	0	0	0	0	2008
11317	168	238.0	64680	1	0	0	0	0	0	0	0	0	0	0	0	2009
11430	168	270.9	19604	1	0	0	0	0	0	0	0	0	0	0	0	2009
11413	168	256.3	10572	1	0	0	0	0	0	0	0	0	0	0	0	2009
12378	38	215.8	52856	1	0	0	0	0	0	0	0	0	0	0	0	2009
10755	11	319.6	51548	0	1	0	0	0	0	0	0	0	0	0	1	2009
11188	68	248.9	7856	0	1	0	0	0	0	0	0	0	0	0	0	2009
11486	92	271.1	24234	0	1	0	0	0	0	0	0	0	0	0	1	2009
10697	168	339.7	4710	0	0	1	0	0	0	0	0	0	0	0	0	2009
*10488	40	222.4	58845	0	0	1	0	0	0	0	0	0	0	0	0	2009
10627	155	358.9	14313	0	0	0	1	0	0	0	0	0	0	0	1	2009
10741	167	329.3	56924	0	0	0	1	0	0	0	0	0	0	0	0	2009
10576	168	369.3	18573	0	0	0	1	0	0	0	0	0	0	0	0	2009
10417	168	354.2	12218	0	0	0	1	0	0	0	0	0	0	0	0	2009
10859	168	351.5	10414	0	0	0	0	1	0	0	0	0	0	0	0	2009
10684	168	387.5	37173	0	0	0	0	1	0	0	0	0	0	0	0	2009
10503	168	399.6	47420	0	0	0	0	1	0	0	0	0	0	0	0	2009
10712	168	376.2	29188	0	0	0	0	1	0	0	0	0	0	0	0	2009
10945	168	341.2	9102	0	0	0	0	1	0	0	0	0	0	0	0	2009
10983	168	354.9	15422	0	0	0	0	0	1	0	0	0	0	0	0	2009
10457	165	340.9	5071	0	0	0	0	0	1	0	0	0	0	0	0	2009
10509	168	355.4	14697	0	0	0	0	0	1	0	0	0	0	0	0	2009
10424	144	345.8	5843	0	0	0	0	0	1	0	0	0	0	0	0	2009
10797	166	356.2	16015	0	0	0	0	0	0	1	0	0	0	0	0	2009
10711	168	364.3	18616	0	0	0	0	0	0	1	0	0	0	0	0	2009

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
10865	168	339.7	3603	0	0	0	0	0	0	1	0	0	0	0	0	2009
10686	168	352.7	10388	0	0	0	0	0	0	1	0	0	0	0	0	2009
10276	168	387.2	33043	0	0	0	0	0	0	0	1	0	0	0	0	2009
10211	168	382.9	33192	0	0	0	0	0	0	0	1	0	0	0	0	2009
10213	168	376.6	27677	0	0	0	0	0	0	0	1	0	0	0	0	2009
10276	168	371.0	20792	0	0	0	0	0	0	0	1	0	0	0	0	2009
10175	168	373.8	27760	0	0	0	0	0	0	0	1	0	0	0	0	2009
10387	168	373.3	26215	0	0	0	0	0	0	0	0	1	0	0	0	2009
9890	168	384.8	31543	0	0	0	0	0	0	0	0	1	0	0	0	2009
* 9274	168	385.5	33003	0	0	0	0	0	0	0	0	1	0	0	0	2009
10331	168	371.8	24900	0	0	0	0	0	0	0	0	1	0	0	0	2009
10011	168	395.9	39856	0	0	0	0	0	0	0	0	0	1	0	0	2009
10238	168	395.9	40359	0	0	0	0	0	0	0	0	0	1	0	0	2009
9752	144	396.9	41608	0	0	0	0	0	0	0	0	0	1	0	1	2009
10456	168	421.8	55966	0	0	0	0	0	0	0	0	0	1	0	0	2009
10189	169	391.8	38749	0	0	0	0	0	0	0	0	0	1	0	0	2009
10508	162	397.0	42268	0	0	0	0	0	0	0	0	0	0	1	0	2009
10561	168	388.1	37490	0	0	0	0	0	0	0	0	0	0	1	0	2009
10599	168	382.6	35258	0	0	0	0	0	0	0	0	0	0	1	0	2009
10543	168	391.6	38904	0	0	0	0	0	0	0	0	0	0	1	0	2009
11165	23	350.3	11070	0	0	0	0	0	0	0	0	0	0	0	0	2009
10873	68	309.3	40711	0	0	0	0	0	0	0	0	0	0	0	1	2009
10682	168	316.1	43462	0	0	0	0	0	0	0	0	0	0	0	0	2009
10929	24	337.0	53446	0	0	0	0	0	0	0	0	0	0	0	0	2009
10459	168	428.9	62227	1	0	0	0	0	0	0	0	0	0	0	0	2010
10350	168	423.1	57112	1	0	0	0	0	0	0	0	0	0	0	0	2010
10822	143	303.2	39153	1	0	0	0	0	0	0	0	0	0	0	1	2010
10867	168	327.6	54519	1	0	0	0	0	0	0	0	0	0	0	0	2010
11253	168	217.1	55102	0	1	0	0	0	0	0	0	0	0	0	0	2010
11201	168	203.9	45463	0	1	0	0	0	0	0	0	0	0	0	0	2010
10981	168	228.4	58171	0	1	0	0	0	0	0	0	0	0	0	0	2010
10255	21	318.6	58496	0	1	0	0	0	0	0	0	0	0	0	0	2010
*35308	6	58.7	5220	0	0	0	1	0	0	0	0	0	0	0	1	2010
11708	112	308.9	54416	0	0	0	1	0	0	0	0	0	0	0	1	2010
9731	168	340.7	6172	0	0	0	0	1	0	0	0	0	0	0	0	2010
9858	168	353.8	19712	0	0	0	0	1	0	0	0	0	0	0	0	2010
10038	168	348.8	11194	0	0	0	0	1	0	0	0	0	0	0	0	2010
10075	168	327.5	62376	0	0	0	0	1	0	0	0	0	0	0	0	2010
10048	168	360.6	22435	0	0	0	0	1	0	0	0	0	0	0	0	2010
10127	168	369.6	24828	0	0	0	0	0	1	0	0	0	0	0	0	2010
10203	168	391.0	41566	0	0	0	0	0	1	0	0	0	0	0	0	2010
10078	168	377.9	28477	0	0	0	0	0	1	0	0	0	0	0	0	2010
10170	144	396.6	41285	0	0	0	0	0	1	0	0	0	0	0	0	2010

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.

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 2 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
9957	168	442.9	6226	0	0	0	0	0	0	1	0	0	0	0	0	2007
9851	168	469.8	27124	0	0	0	0	0	0	1	0	0	0	0	0	2007
10019	168	435.4	418	0	0	0	0	0	0	1	0	0	0	0	0	2007
10017	168	446.5	9871	0	0	0	0	0	0	1	0	0	0	0	0	2007
10107	168	451.6	15369	0	0	0	0	0	0	0	1	0	0	0	0	2007
10124	168	456.9	15467	0	0	0	0	0	0	0	1	0	0	0	0	2007
10111	145	430.1	62289	0	0	0	0	0	0	0	1	0	0	0	0	2007
9964	137	451.2	12560	0	0	0	0	0	0	0	1	0	0	0	1	2007
10201	109	393.2	34320	0	0	0	0	0	0	0	1	0	0	0	1	2007
10014	168	474.0	30920	0	0	0	0	0	0	0	0	1	0	0	0	2007
10077	168	462.9	22181	0	0	0	0	0	0	0	0	1	0	0	0	2007
10257	168	434.6	4139	0	0	0	0	0	0	0	0	1	0	0	0	2007
10130	168	486.1	40656	0	0	0	0	0	0	0	0	1	0	0	0	2007
9941	168	491.6	47015	0	0	0	0	0	0	0	0	0	1	0	0	2007
9844	168	469.4	27132	0	0	0	0	0	0	0	0	0	1	0	0	2007
9979	168	476.5	33325	0	0	0	0	0	0	0	0	0	1	0	0	2007
9734	167	483.2	39555	0	0	0	0	0	0	0	0	0	1	0	0	2007
10018	82	443.6	14930	0	0	0	0	0	0	0	0	0	1	0	1	2007
9697	169	504.8	58203	0	0	0	0	0	0	0	0	0	0	1	0	2007
9736	168	494.9	50735	0	0	0	0	0	0	0	0	0	0	1	0	2007
9751	168	499.0	52927	0	0	0	0	0	0	0	0	0	0	1	0	2007
9791	168	502.2	55853	0	0	0	0	0	0	0	0	0	0	1	0	2007
9560	168	486.8	43965	0	0	0	0	0	0	0	0	0	0	0	0	2007
9800	168	461.0	25236	0	0	0	0	0	0	0	0	0	0	0	0	2007
9790	168	484.8	41369	0	0	0	0	0	0	0	0	0	0	0	0	2007
9788	168	485.9	40887	0	0	0	0	0	0	0	0	0	0	0	0	2007
10142	24	480.0	36064	0	0	0	0	0	0	0	0	0	0	0	0	2007
9858	168	491.9	47845	1	0	0	0	0	0	0	0	0	0	0	0	2008
9822	168	484.8	39850	1	0	0	0	0	0	0	0	0	0	0	0	2008
9811	67	463.9	30131	1	0	0	0	0	0	0	0	0	0	0	1	2008
9478	168	483.6	42586	0	1	0	0	0	0	0	0	0	0	0	0	2008
9489	168	500.6	54940	0	1	0	0	0	0	0	0	0	0	0	0	2008
9433	168	480.0	38390	0	1	0	0	0	0	0	0	0	0	0	0	2008
9676	168	434.5	775	0	1	0	0	0	0	0	0	0	0	0	0	2008
9790	157	490.2	46914	0	1	0	0	0	0	0	0	0	0	0	0	2008
9965	114	469.0	36070	0	0	1	0	0	0	0	0	0	0	0	1	2008
9755	150	483.5	41988	0	0	1	0	0	0	0	0	0	0	0	0	2008
9723	168	498.7	52944	0	0	1	0	0	0	0	0	0	0	0	0	2008
9881	168	494.1	48957	0	0	0	1	0	0	0	0	0	0	0	0	2008
9760	168	501.5	54942	0	0	0	1	0	0	0	0	0	0	0	0	2008
9840	168	487.9	44530	0	0	0	1	0	0	0	0	0	0	0	0	2008
9863	67	447.2	12272	0	0	0	1	0	0	0	0	0	0	0	1	2008
10308	93	438.0	9295	0	0	0	0	1	0	0	0	0	0	0	1	2008
9928	168	463.4	25330	0	0	0	0	1	0	0	0	0	0	0	0	2008
10097	168	472.0	31583	0	0	0	0	1	0	0	0	0	0	0	0	2008
10112	168	477.8	36394	0	0	0	0	1	0	0	0	0	0	0	0	2008
10099	168	494.6	48602	0	0	0	0	1	0	0	0	0	0	0	0	2008

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
9875	168	487.1	43082	0	0	0	0	0	1	0	0	0	0	0	0	2008
9953	168	488.6	43674	0	0	0	0	0	1	0	0	0	0	0	0	2008
10014	168	482.8	38634	0	0	0	0	0	1	0	0	0	0	0	0	2008
9838	168	494.2	48114	0	0	0	0	0	1	0	0	0	0	0	0	2008
9924	168	476.7	34983	0	0	0	0	0	0	1	0	0	0	0	0	2008
9972	168	483.2	39374	0	0	0	0	0	0	1	0	0	0	0	0	2008
9904	168	483.6	39789	0	0	0	0	0	0	1	0	0	0	0	0	2008
9947	168	479.8	35735	0	0	0	0	0	0	1	0	0	0	0	0	2008
10045	168	475.0	32566	0	0	0	0	0	0	0	1	0	0	0	0	2008
10127	168	469.5	29229	0	0	0	0	0	0	0	1	0	0	0	0	2008
10225	168	474.4	32572	0	0	0	0	0	0	0	1	0	0	0	0	2008
10110	167	470.4	31412	0	0	0	0	0	0	0	1	0	0	0	0	2008
9881	163	460.9	27074	0	0	0	0	0	0	0	1	0	0	0	0	2008
10018	168	476.0	32868	0	0	0	0	0	0	0	0	1	0	0	0	2008
9877	168	494.3	47982	0	0	0	0	0	0	0	0	1	0	0	0	2008
9981	168	464.9	22857	0	0	0	0	0	0	0	0	1	0	0	0	2008
9999	168	463.3	21301	0	0	0	0	0	0	0	0	1	0	0	0	2008
10040	168	462.7	20216	0	0	0	0	0	0	0	0	0	1	0	0	2008
9820	168	460.5	18114	0	0	0	0	0	0	0	0	0	1	0	0	2008
9982	94	406.2	45028	0	0	0	0	0	0	0	0	0	1	0	0	2008
10693	155	350.1	11701	0	0	0	0	0	0	0	0	0	0	0	1	2008
10845	168	273.3	21534	0	0	0	0	0	0	0	0	0	0	0	0	2008
9548	24	455.0	13153	0	0	0	0	0	0	0	0	0	0	0	0	2008
9832	168	362.0	5801	1	0	0	0	0	0	0	0	0	0	0	0	2009
9691	168	435.9	6030	1	0	0	0	0	0	0	0	0	0	0	0	2009
9754	168	411.8	52436	1	0	0	0	0	0	0	0	0	0	0	0	2009
10567	48	313.8	51385	1	0	0	0	0	0	0	0	0	0	0	0	2009
10775	24	363.0	23821	0	1	0	0	0	0	0	0	0	0	0	1	2009
11171	43	317.9	58881	0	1	0	0	0	0	0	0	0	0	0	0	2009
10547	81	406.1	47368	0	1	0	0	0	0	0	0	0	0	0	1	2009
10824	168	342.7	3098	0	1	0	0	0	0	0	0	0	0	0	0	2009
10411	168	353.3	8762	0	0	1	0	0	0	0	0	0	0	0	0	2009
10623	45	304.2	47029	0	0	1	0	0	0	0	0	0	0	0	0	2009
10612	161	373.2	20791	0	0	0	1	0	0	0	0	0	0	0	1	2009
10816	168	303.2	37238	0	0	0	1	0	0	0	0	0	0	0	0	2009
10756	168	353.0	4980	0	0	0	1	0	0	0	0	0	0	0	0	2009
10610	168	340.6	1454	0	0	0	1	0	0	0	0	0	0	0	0	2009
10917	48	329.9	58767	0	0	0	0	1	0	0	0	0	0	0	0	2009
10416	123	320.1	56706	0	0	0	0	1	0	0	0	0	0	0	1	2009
10911	168	356.8	17039	0	0	0	0	0	1	0	0	0	0	0	0	2009
10348	168	365.7	20047	0	0	0	0	0	1	0	0	0	0	0	0	2009
10148	168	417.8	54381	0	0	0	0	0	1	0	0	0	0	0	0	2009
10358	144	364.3	18749	0	0	0	0	0	1	0	0	0	0	0	0	2009
10249	168	373.4	26057	0	0	0	0	0	0	1	0	0	0	0	0	2009
10035	168	399.6	41017	0	0	0	0	0	0	1	0	0	0	0	0	2009
10325	168	352.7	11686	0	0	0	0	0	0	1	0	0	0	0	0	2009
10040	168	359.6	14282	0	0	0	0	0	0	1	0	0	0	0	0	2009

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
10239	125	364.2	17721	0	0	0	0	0	0	0	1	0	0	0	1	2009
10054	168	394.1	41610	0	0	0	0	0	0	0	1	0	0	0	0	2009
9995	168	389.2	35420	0	0	0	0	0	0	0	1	0	0	0	0	2009
10159	168	378.1	26915	0	0	0	0	0	0	0	1	0	0	0	0	2009
10293	168	344.1	6747	0	0	0	0	0	0	0	1	0	0	0	0	2009
10143	168	342.6	3894	0	0	0	0	0	0	0	0	1	0	0	0	2009
10257	168	357.1	9760	0	0	0	0	0	0	0	0	1	0	0	0	2009
10162	168	379.3	27442	0	0	0	0	0	0	0	0	1	0	0	0	2009
10132	168	375.1	27354	0	0	0	0	0	0	0	0	1	0	0	0	2009
9927	168	399.1	44176	0	0	0	0	0	0	0	0	0	1	0	0	2009
10187	168	404.6	46992	0	0	0	0	0	0	0	0	0	1	0	0	2009
10057	168	403.3	47150	0	0	0	0	0	0	0	0	0	1	0	0	2009
9957	168	425.9	61698	0	0	0	0	0	0	0	0	0	1	0	0	2009
9985	169	398.7	44406	0	0	0	0	0	0	0	0	0	1	0	0	2009
10389	65	373.2	28317	0	0	0	0	0	0	0	0	0	0	1	1	2009
10233	168	377.5	32087	0	0	0	0	0	0	0	0	0	0	1	0	2009
10127	168	385.4	37210	0	0	0	0	0	0	0	0	0	0	1	0	2009
10340	138	373.5	27194	0	0	0	0	0	0	0	0	0	0	1	1	2009
11245	168	264.2	15626	0	0	0	0	0	0	0	0	0	0	0	0	2009
11282	168	351.9	4951	0	0	0	0	0	0	0	0	0	0	0	0	2009
10902	168	352.9	2277	0	0	0	0	0	0	0	0	0	0	0	0	2009
11164	168	317.3	44151	0	0	0	0	0	0	0	0	0	0	0	0	2009
10807	24	351.2	62605	0	0	0	0	0	0	0	0	0	0	0	0	2009
10066	168	410.5	44984	1	0	0	0	0	0	0	0	0	0	0	0	2010
10135	168	433.0	60798	1	0	0	0	0	0	0	0	0	0	0	0	2010
10462	168	319.4	45023	1	0	0	0	0	0	0	0	0	0	0	0	2010
10464	168	334.5	55989	1	0	0	0	0	0	0	0	0	0	0	0	2010
10698	168	217.5	50274	0	1	0	0	0	0	0	0	0	0	0	0	2010
10703	168	221.2	52076	0	1	0	0	0	0	0	0	0	0	0	0	2010
10667	168	243.3	63799	0	1	0	0	0	0	0	0	0	0	0	0	2010
10969	168	221.3	53230	0	1	0	0	0	0	0	0	0	0	0	0	2010
10689	22	200.9	41188	0	0	1	0	0	0	0	0	0	0	0	0	2010
11382	87	218.2	55196	0	0	1	0	0	0	0	0	0	0	0	1	2010
11123	168	224.6	55290	0	0	1	0	0	0	0	0	0	0	0	0	2010
11375	168	192.6	37664	0	0	1	0	0	0	0	0	0	0	0	0	2010
10830	168	231.5	63275	0	0	0	1	0	0	0	0	0	0	0	0	2010
11220	168	196.8	39800	0	0	0	1	0	0	0	0	0	0	0	0	2010
11241	168	198.4	40571	0	0	0	1	0	0	0	0	0	0	0	0	2010
11326	118	201.8	41935	0	0	0	1	0	0	0	0	0	0	0	0	2010
10616	88	358.1	20268	0	0	0	0	1	0	0	0	0	0	0	1	2010
10369	168	340.5	1918	0	0	0	0	1	0	0	0	0	0	0	0	2010
10377	168	376.0	27430	0	0	0	0	1	0	0	0	0	0	0	0	2010
10377	168	372.8	27356	0	0	0	0	1	0	0	0	0	0	0	0	2010
10400	168	374.6	28275	0	0	0	0	1	0	0	0	0	0	0	0	2010
10293	168	376.9	28378	0	0	0	0	0	1	0	0	0	0	0	0	2010
10247	168	387.7	36943	0	0	0	0	0	1	0	0	0	0	0	0	2010
10161	168	363.1	18678	0	0	0	0	0	1	0	0	0	0	0	0	2010

Florida Public Service Commission
Docket No. 100001-EI
Gulf Power Company
Witness: M. A. Young, III
Exhibit No. ____ (MAY-2)
Schedule No. 1
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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
10206	93	379.0	33465	0	0	0	0	0	1	0	0	0	0	0	1	2010

Data Base for DANIEL 2 Target Heat Rate Equation

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

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

AMW Average load on the unit, in MW.

LSRF Load square range factor, in MW².

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

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

YEAR The year of the observation.

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

Calculation of
Target Average Net Operating Heat Rates
for January 2011 - December 2011

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 '11	53.1	2,968	11,324	32,836	
	Feb '11	49.6	2,621	11,684	32,991	
	Mar '11	52.5	2,907	11,765	38,641	
	Apr '11	58.4	3,541	10,403	41,648	
	May '11	58.5	3,553	10,438	43,143	
	Jun '11	63.0	4,084	10,798	44,954	
	Jul '11	63.0	4,084	11,420	46,440	
	Aug '11	63.7	4,171	11,096	46,978	
	Sep '11	63.4	4,134	11,091	45,190	
	Oct '11	63.1	4,097	11,031	46,509	
	Nov '11	62.5	4,023	10,811	44,639	
	Dec '11	61.0	3,843	10,857	44,923	11,038
CRIST 5	Jan '11	49.0	2,503	11,344	31,433	
	Feb '11	45.3	2,111	11,540	26,909	
	Mar '11	48.0	2,396	11,394	35,245	
	Apr '11	54.1	3,067	10,784	38,542	
	May '11	55.1	3,181	11,079	40,532	
	Jun '11	62.1	4,005	11,092	44,244	
	Jul '11	62.1	4,005	11,169	45,741	
	Aug '11	62.4	4,041	11,215	45,916	
	Sep '11	62.3	4,029	11,042	34,010	
	Oct '11	0.0	0	0	0	
	Nov '11	57.3	3,435	10,737	13,692	
	Dec '11	57.2	3,423	11,000	42,105	11,135
CRIST 6	Jan '11	142.6	21,802	11,749	102,383	
	Feb '11	144.7	22,534	11,707	36,905	
	Mar '11	0.0	0	-	0	
	Apr '11	0.0	0	-	0	
	May '11	178.9	35,115	11,197	95,364	
	Jun '11	220.0	51,870	10,888	152,657	
	Jul '11	222.0	52,731	10,878	159,417	
	Aug '11	224.5	53,813	11,122	161,197	
	Sep '11	217.4	50,757	11,120	150,860	
	Oct '11	216.4	50,331	11,324	155,394	
	Nov '11	192.8	40,582	10,687	133,986	
	Dec '11	178.5	34,961	11,202	99,237	11,121

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 2011 - December 2011

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 '11	359.2	136,213	10,418	56,752	
	Feb '11	325.1	112,730	10,796	161,243	
	Mar '11	354.2	132,692	10,687	247,247	
	Apr '11	387.2	156,420	10,620	261,744	
	May '11	386.5	155,904	10,621	270,163	
	Jun '11	399.9	165,860	10,607	270,304	
	Jul '11	398.5	164,811	10,608	278,542	
	Aug '11	400.7	166,460	10,874	280,064	
	Sep '11	403.7	168,718	10,604	272,888	
	Oct '11	397.9	164,362	10,608	260,223	
	Nov '11	399.6	165,635	10,607	216,597	
	Dec '11	400.8	166,535	10,606	226,069	10,650
SMITH 1	Jan '11	117.2	14,528	10,542	85,917	
	Feb '11	116.3	14,317	10,611	76,974	
	Mar '11	113.5	13,667	10,497	21,458	
	Apr '11	117.4	14,575	10,448	83,382	
	May '11	104.9	11,726	10,627	76,886	
	Jun '11	130.3	17,705	10,471	92,526	
	Jul '11	132.8	18,334	10,478	97,332	
	Aug '11	133.5	18,511	10,395	97,828	
	Sep '11	127.4	16,985	10,341	90,442	
	Oct '11	132.2	18,182	10,300	65,723	
	Nov '11	122.0	15,669	10,395	86,753	
	Dec '11	119.9	15,167	10,418	76,629	10,457
SMITH 2	Jan '11	114.3	13,854	10,669	54,048	
	Feb '11	112.4	13,391	10,496	74,402	
	Mar '11	112.0	13,295	10,498	81,849	
	Apr '11	116.0	14,272	10,476	82,227	
	May '11	106.4	11,964	10,535	77,868	
	Jun '11	145.5	22,163	10,542	103,160	
	Jul '11	149.0	23,179	10,367	109,040	
	Aug '11	150.5	23,620	10,364	110,166	
	Sep '11	140.8	20,825	10,383	99,851	
	Oct '11	141.8	21,107	10,217	103,794	
	Nov '11	124.4	16,396	10,287	88,336	
	Dec '11	121.0	15,524	10,451	88,605	10,426

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 2011 - December 2011

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 '11	393.4	169,756	-	10,497	282,082	
	Feb '11	389.5	167,007	-	10,328	252,370	
	Mar '11	386.3	164,758	-	10,340	276,604	
	Apr '11	379.8	160,205	-	10,364	193,306	
	May '11	385.9	164,477	-	10,341	276,717	
	Jun '11	340.3	133,015	-	10,541	236,177	
	Jul '11	353.6	142,079	-	10,673	253,533	
	Aug '11	363.2	148,679	-	10,432	260,395	
	Sep '11	345.8	136,752	-	10,513	239,975	
	Oct '11	328.7	125,184	-	10,604	235,712	
	Nov '11	290.0	99,569	-	10,859	201,545	
	Dec '11	288.4	98,527	-	10,871	206,794	10,518
DANIEL 2	Jan '11	0.0	0	-	-	0	
	Feb '11	0.0	0	-	-	0	
	Mar '11	384.1	162,781	-	10,266	239,316	
	Apr '11	383.2	162,138	-	10,270	265,572	
	May '11	387.1	164,928	-	10,409	277,146	
	Jun '11	346.3	136,186	-	10,435	239,953	
	Jul '11	357.6	144,049	-	10,383	256,035	
	Aug '11	363.9	148,466	-	10,354	260,536	
	Sep '11	352.8	140,700	-	10,405	244,520	
	Oct '11	333.7	127,505	-	10,373	177,530	
	Nov '11	298.8	103,942	-	10,680	193,603	
	Dec '11	296.1	102,148	-	10,696	211,981	10,417

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.

$$\text{Column (6)} = (\sum ((3) * (4))) / (\sum (4))$$

Summary of Target, Maximum, and Minimum
Average Net Operating Heat Rates
for January 2011 - December 2011

Unit	Target Heat Rate BTU/KWH (0 Points)	Minimum Attainable Heat Rate (+ 10 Points)	Maximum Attainable Heat Rate (- 10 Points)
CRIST 4	11,038	10,707	11,369
CRIST 5	11,135	10,801	11,469
CRIST 6	11,121	10,787	11,455
CRIST 7	10,650	10,331	10,970
SMITH 1	10,457	10,143	10,771
SMITH 2	10,426	10,113	10,739
DANIEL 1	10,518	10,202	10,834
DANIEL 2	10,417	10,104	10,730

II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
Target Equivalent Availabilities
for January 2011 - December 2011

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR *	Planned Outage Hours for Jan '11 - Dec '11	Reserve Shutdown Hours for Jan '11 - Dec '11	Target Equivalent Availability **
Crist 4	0.0246	0	0	97.5
Crist 5	0.0343	1,392	0	81.2
Crist 6	0.0611	2,063	0	71.8
Crist 7	0.1013	720	0	82.5
Smith 1	0.0559	552	0	88.5
Smith 2	0.0464	0	0	95.4
Daniel 1	0.0601	0	0	94.0
Daniel 2	0.0699	1,512	0	77.0

* For Period July 2005 through June 2010.

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

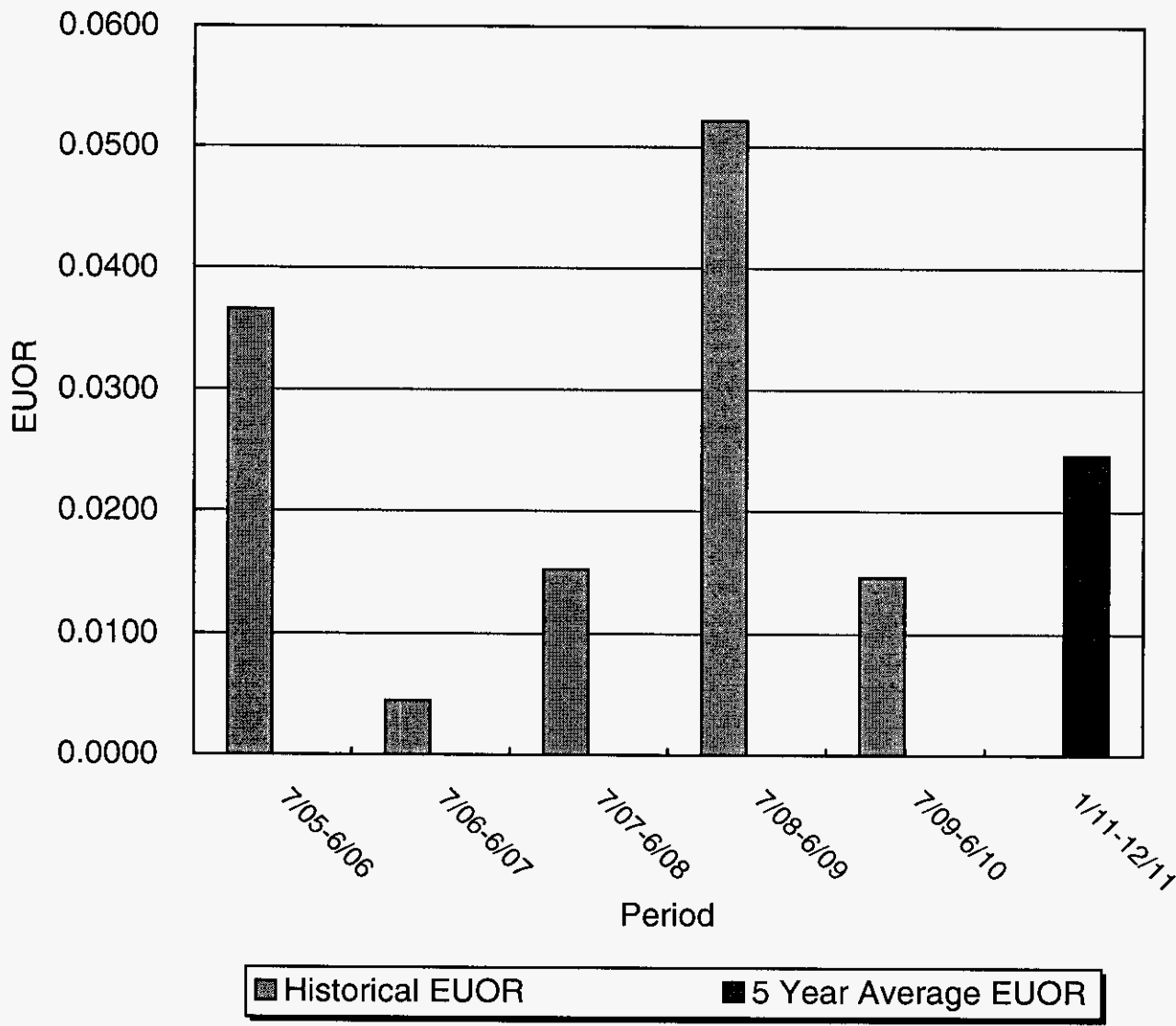
Calculation of Maximum and Minimum
Attainable Equivalent Availabilities
for January 2011 - December 2011

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	0.0246	0.0172	98.3	0.0357	96.4
Crist 5	0.0343	0.0240	82.1	0.0497	79.9
Crist 6	0.0611	0.0428	73.2	0.0886	69.7
Crist 7	0.1013	0.0709	85.3	0.1469	78.3
Smith 1	0.0559	0.0391	90.0	0.0811	86.1
Smith 2	0.0464	0.0325	96.8	0.0673	93.3
Daniel 1	0.0601	0.0421	95.8	0.0871	91.3
Daniel 2	0.0699	0.0489	78.7	0.1014	74.3

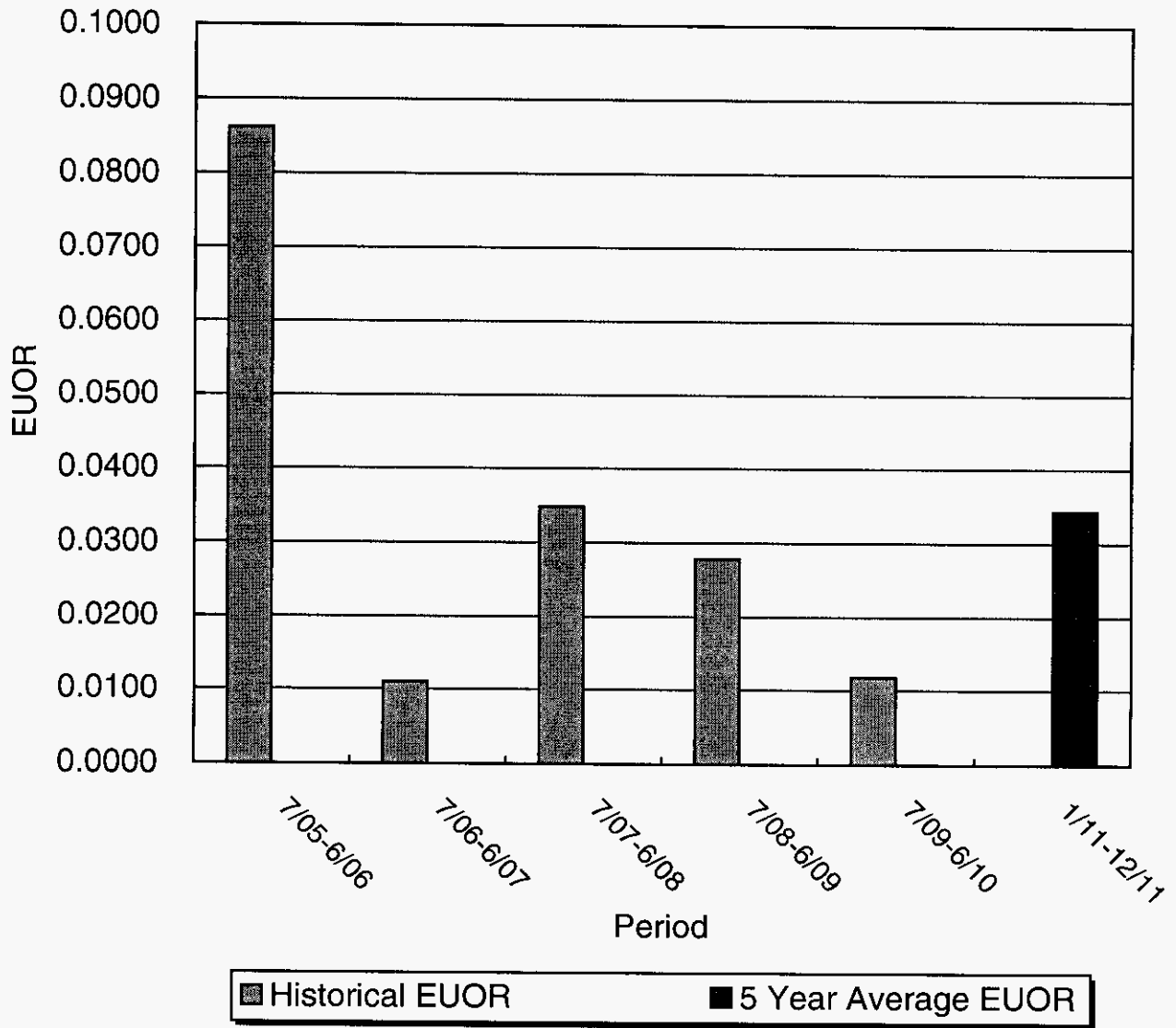
Summary of Target, Maximum, and Minimum
Equivalent Availabilities
for January 2011 - December 2011

Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Crist 4	97.5	98.3	96.4
Crist 5	81.2	82.1	79.9
Crist 6	71.8	73.2	69.7
Crist 7	82.5	85.3	78.3
Smith 1	88.5	90.0	86.1
Smith 2	95.4	96.8	93.3
Daniel 1	94.0	95.8	91.3
Daniel 2	77.0	78.7	74.3

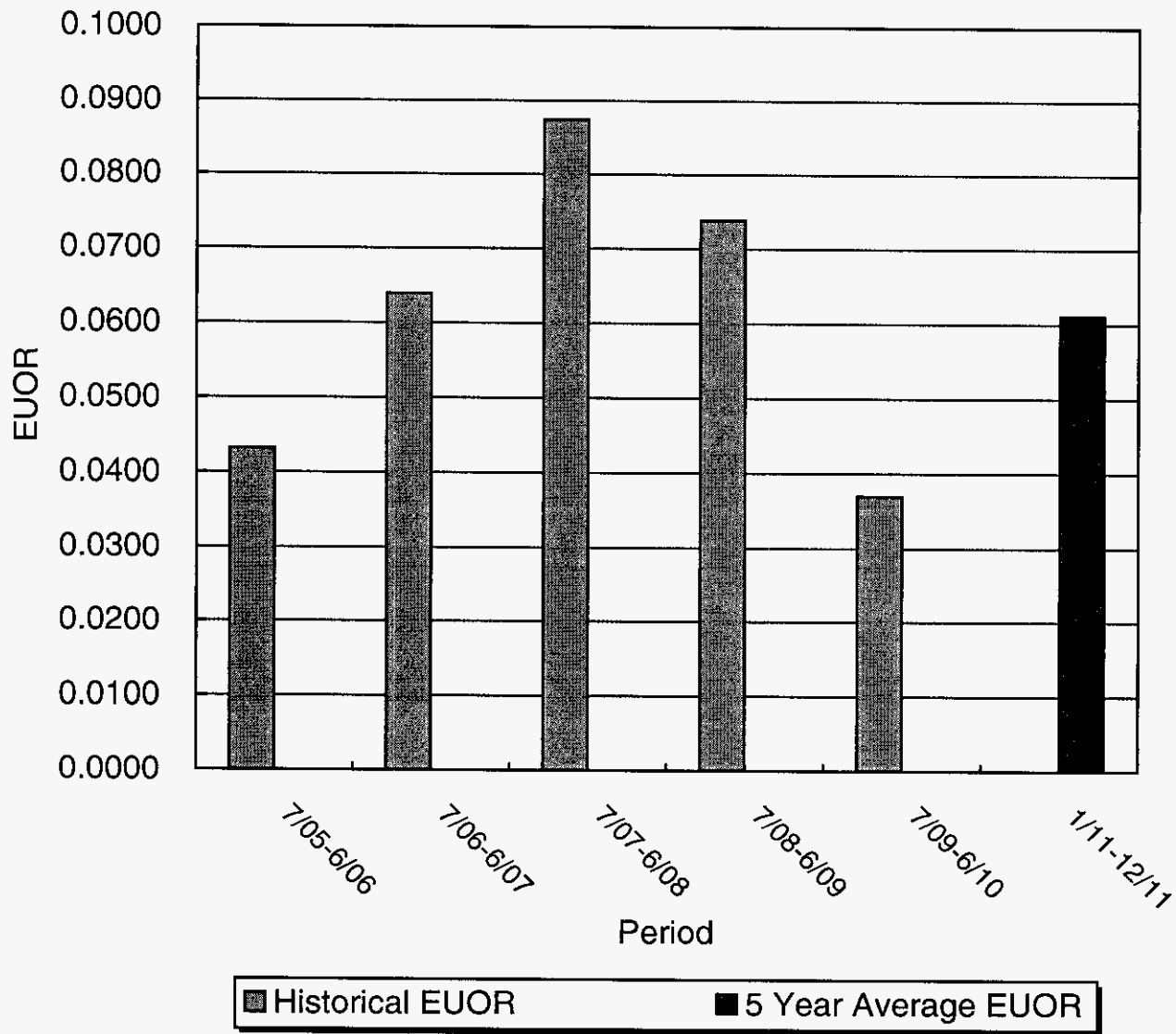
EUOR VS. PERIOD CRIST 4 January-December



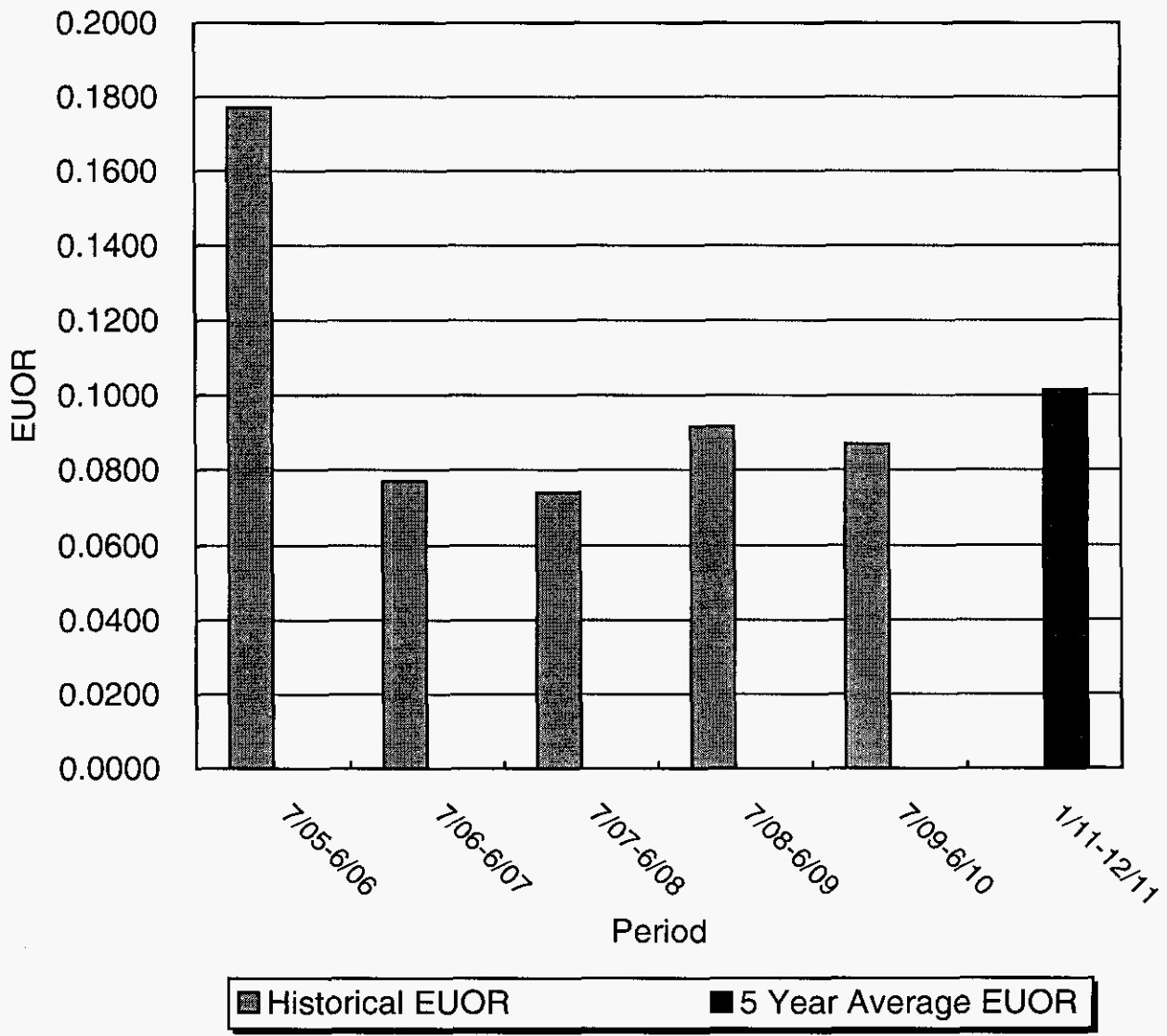
EUOR VS. PERIOD CRIST 5 January-December



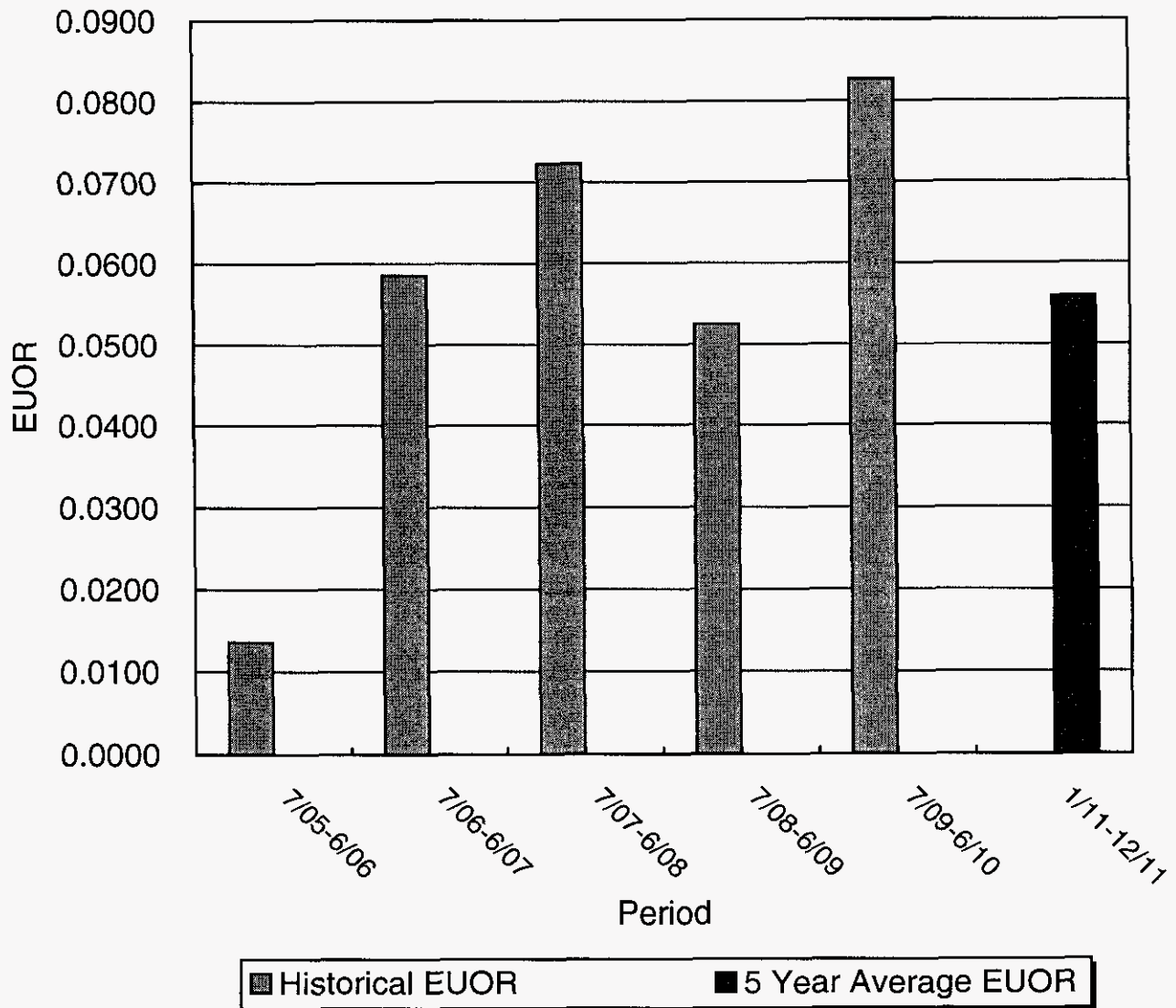
EUOR VS. PERIOD CRIST 6 January-December



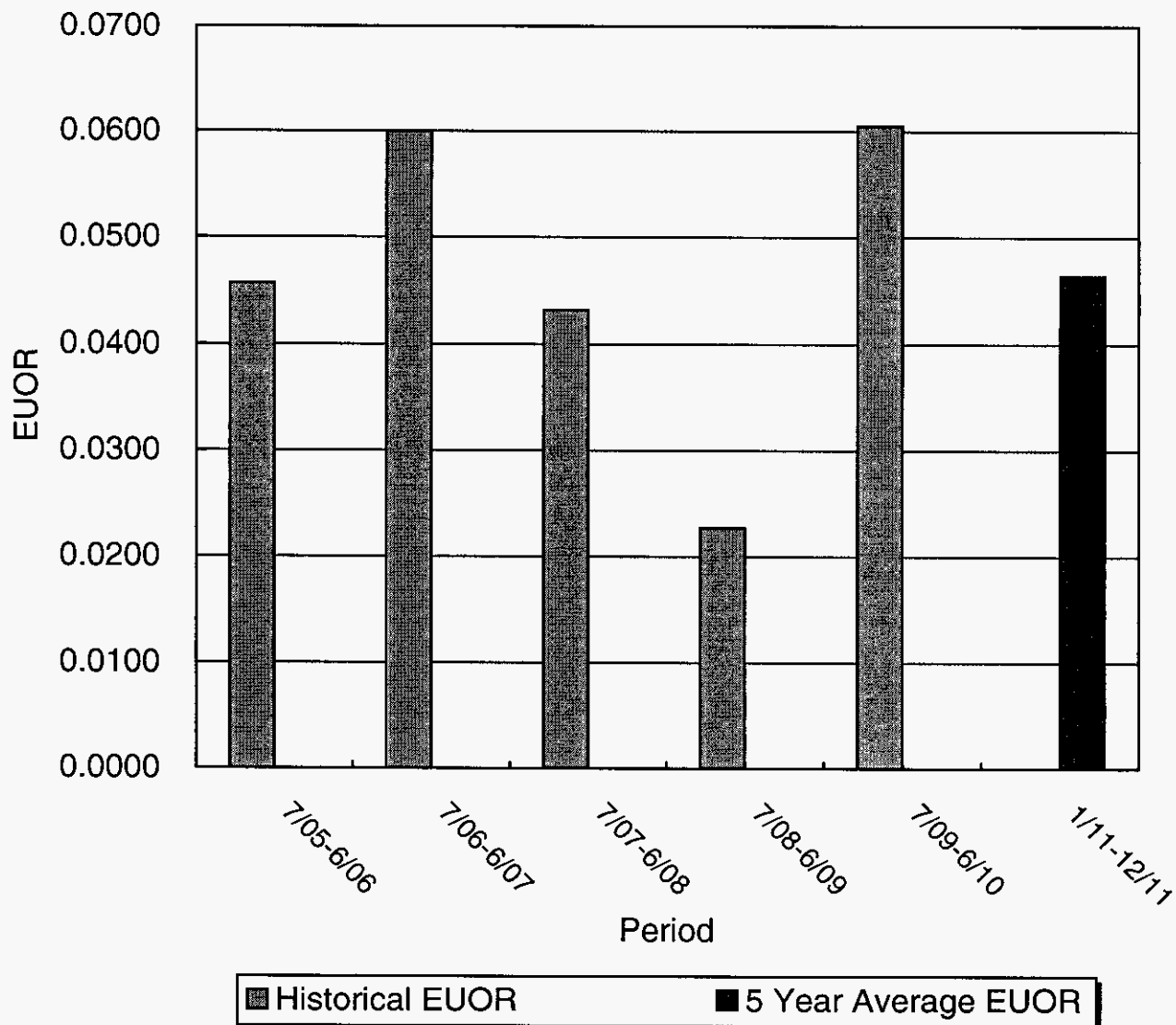
EUOR VS. PERIOD CRIST 7 January-December



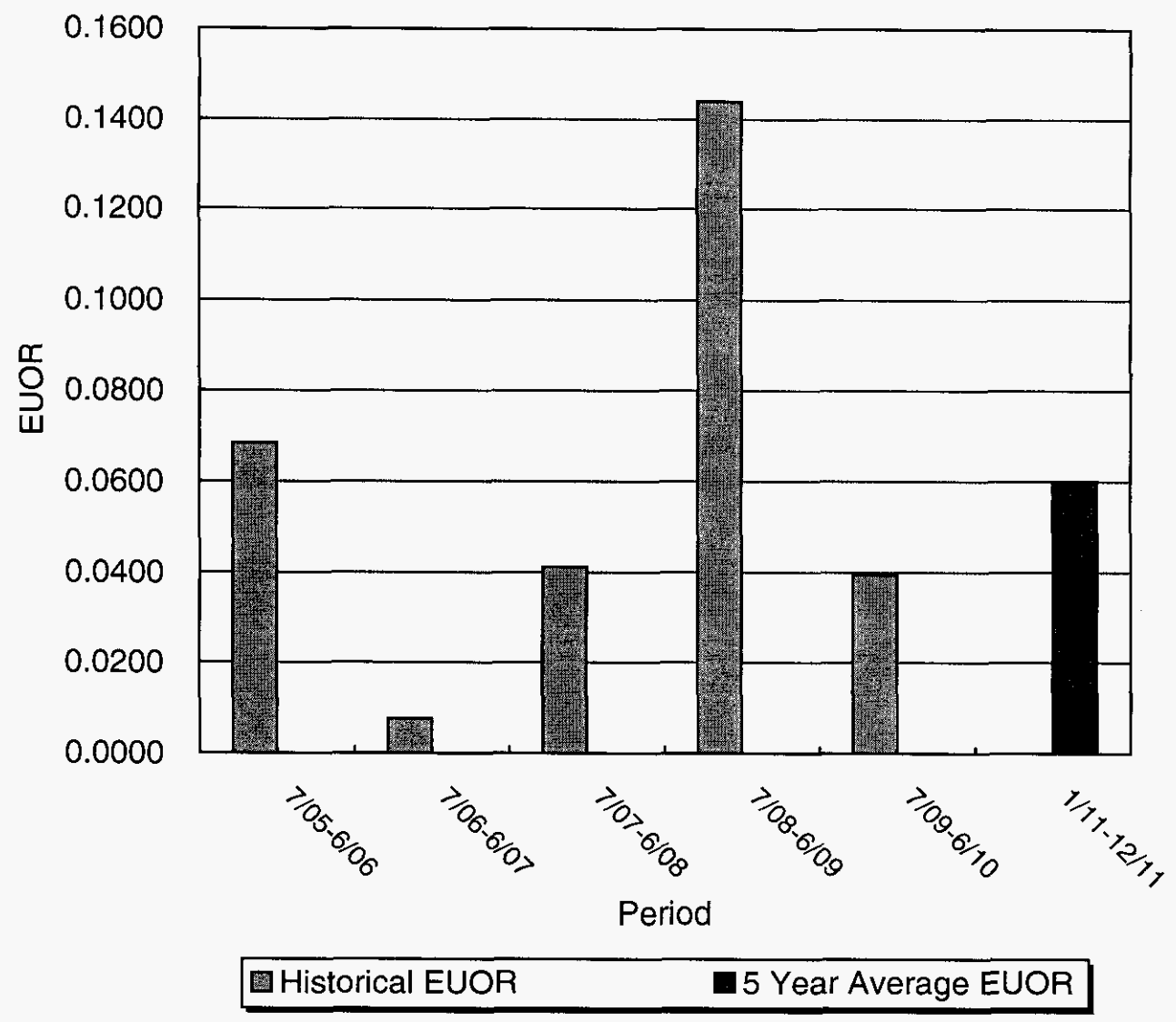
EUOR VS. PERIOD SMITH 1 January-December



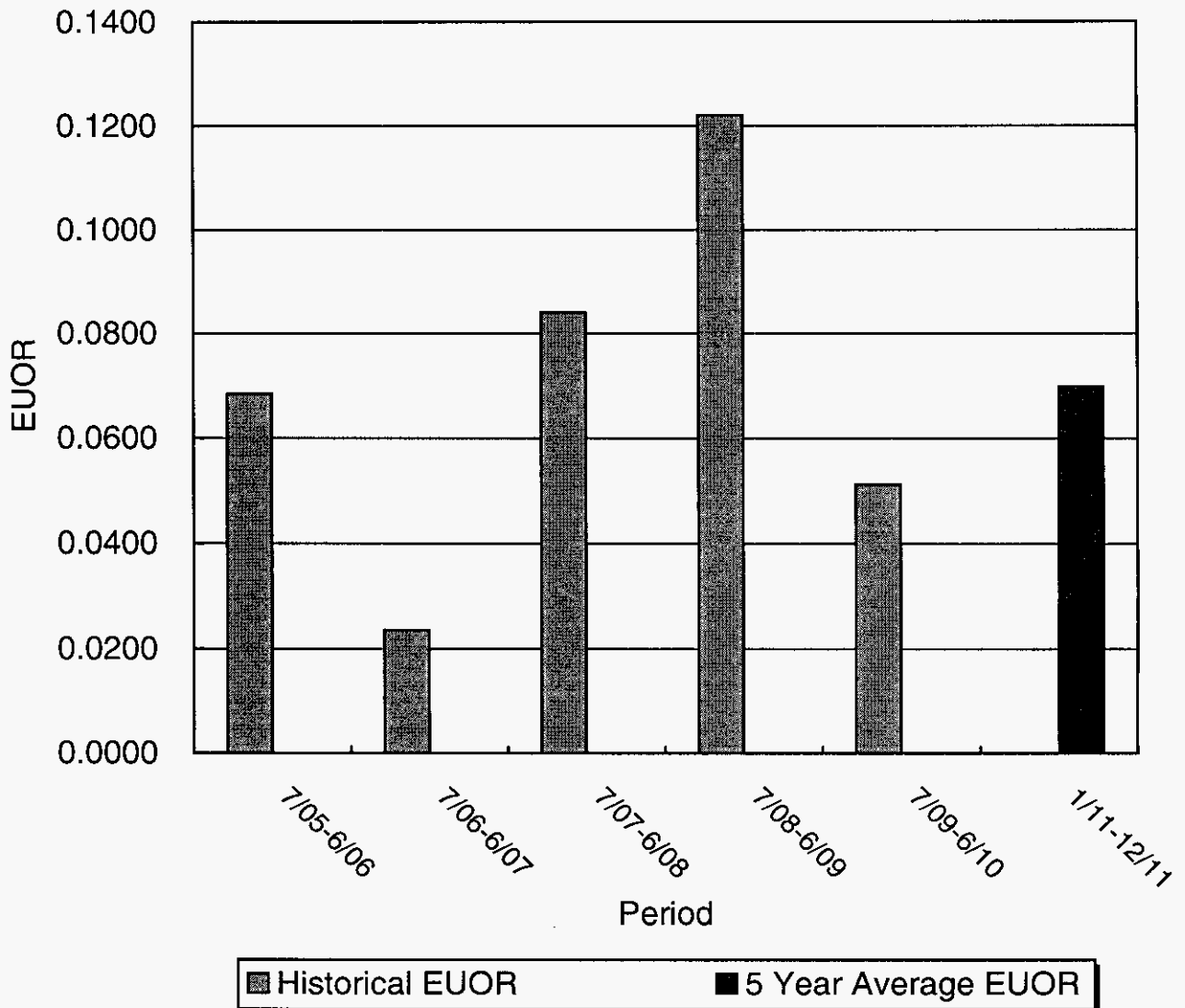
EUOR VS. PERIOD SMITH 2 January-December



EUOR VS. PERIOD DANIEL 1 January-December



EUOR VS. PERIOD DANIEL 2 January-December



III. GPIF MINIMUM FILING REQUIREMENTS FOR THE
PERIOD JANUARY 2011 - DECEMBER 2011

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Generating Performance Incentive Factor

Estimated Reward/Penalty Table

Gulf Power Company

Period of: January 2011 - December 2011

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	12823	4338
+ 9	11541	3904
+ 8	10258	3470
+ 7	8976	3036
+ 6	7694	2603
+ 5	6412	2169
+ 4	5129	1735
+ 3	3847	1301
+ 2	2565	868
+ 1	1282	434
0	0	0
- 1	-1304	-434
- 2	-2607	-868
- 3	-3911	-1301
- 4	-5215	-1735
- 5	-6519	-2169
- 6	-7822	-2603
- 7	-9126	-3036
- 8	-10430	-3470
- 9	-11733	-3904
- 10	-13037	-4338
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

Issued by: S. N. Story

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Suspended:
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Generating Performance Incentive Factor
Calculation of Maximum Allowed Incentive Dollars

Estimated

Gulf Power Company

Period of: January 2011 - December 2011

Line 1	Beginning of Period Balance of Common Equity	\$1,072,184,306
	End of Month Balance of Common Equity:	
Line 2	Month of Jan '11	\$1,098,322,036
Line 3	Month of Feb '11	\$1,102,677,662
Line 4	Month of Mar '11	\$1,104,393,039
Line 5	Month of Apr '11	\$1,080,943,730
Line 6	Month of May '11	\$1,090,628,877
Line 7	Month of Jun '11	\$1,105,027,507
Line 8	Month of Jul '11	\$1,090,110,734
Line 9	Month of Aug '11	\$1,104,892,789
Line 10	Month of Sep '11	\$1,117,363,846
Line 11	Month of Oct '11	\$1,092,703,922
Line 12	Month of Nov '11	\$1,096,452,432
Line 13	Month of Dec '11	\$1,140,028,156
Line 14	Average Common Equity for the Period (sum of line 1 through line 13 divided by 13)	\$1,099,671,464
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)	\$4,478,892
Line 18	Jurisdictional Sales (KWH)	11,185,491,196
Line 19	Total Territorial Sales (KWH)	11,549,942,769
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)	96.8446%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 multiplied by line 20)	\$4,337,563

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Schedule 3

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GPIF Unit Performance Summary

Gulf Power Company

Period of: January 2011 - December 2011

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range		Max Fuel Savings (\$000)	Max Fuel Loss (\$000)
			Max %	Min %		
Crist 4	0.0%	97.5	98.3	96.4	\$4	(\$5)
Crist 5	0.0%	81.2	82.1	79.9	\$2	(\$3)
Crist 6	0.3%	71.8	73.2	69.7	\$39	(\$60)
Crist 7	2.1%	82.5	85.3	78.3	\$270	(\$419)
Smith 1	0.5%	88.5	90.0	86.1	\$68	(\$65)
Smith 2	0.7%	95.4	96.8	93.3	\$87	(\$109)
Daniel 1	0.3%	94.0	95.8	91.3	\$41	(\$54)
Daniel 2	0.2%	77.0	78.7	74.3	\$26	(\$36)

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	5.2%	11,038	79.3	10,707	11,369	\$667	(\$667)
Crist 5	4.2%	11,135	74.5	10,801	11,469	\$543	(\$543)
Crist 6	11.4%	11,121	68.1	10,787	11,455	\$1,461	(\$1,461)
Crist 7	27.3%	10,650	83.3	10,331	10,970	\$3,506	(\$3,506)
Smith 1	12.2%	10,457	75.7	10,143	10,771	\$1,568	(\$1,568)
Smith 2	13.1%	10,426	65.8	10,113	10,739	\$1,674	(\$1,674)
Daniel 1	12.6%	10,518	69.2	10,202	10,834	\$1,612	(\$1,612)
Daniel 2	9.8%	10,417	68.8	10,104	10,730	\$1,255	(\$1,255)

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Availability

Gulf Power Company

Period of: January 2011 - December 2011

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target			Actual Performance 1st Prior Period Jul '09 - Jun '10			Actual Performance 2nd Prior Period Jul '08 - Jun '09		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 4	0.0%	0.7%	0.0000	0.0247	0.0246	0.0121	0.0071	0.0146	0.0000	0.0304	0.0522
Crist 5	0.0%	0.4%	0.1589	0.0289	0.0343	0.0694	0.0105	0.0118	0.0000	0.0253	0.0279
Crist 6	0.3%	7.3%	0.2355	0.0467	0.0611	0.0626	0.0254	0.0370	0.1549	0.0475	0.0738
Crist 7	2.1%	50.3%	0.0822	0.0929	0.1013	0.1773	0.0715	0.0869	0.1367	0.0752	0.0917
Smith 1	0.5%	12.7%	0.0630	0.0524	0.0559	0.0000	0.0686	0.0827	0.0735	0.0367	0.0525
Smith 2	0.7%	16.2%	0.0000	0.0465	0.0464	0.0000	0.0519	0.0605	0.0272	0.0214	0.0227
Daniel 1	0.3%	7.6%	0.0000	0.0600	0.0601	0.1500	0.0312	0.0395	0.0000	0.1231	0.1440
Daniel 2	0.2%	4.8%	0.1726	0.0579	0.0699	0.0449	0.0485	0.0513	0.1352	0.0867	0.1220
Weighted GPIF System Average			0.0754	0.0719	0.0783	0.1077	0.0597	0.0723	0.1002	0.0633	0.0792

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Availability

Gulf Power Company

Period of: January 2011 - December 2011

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Jul '07 - Jun '08			Actual Performance 4th Prior Period Jul '06 - Jun '07			Actual Performance 5th Prior Period Jul '05 - Jun '06		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
			Crist 4	0.0%	0.7%	0.1966	0.0110	0.0152	0.0595	0.0041	0.0045
Crist 5	0.0%	0.4%	0.1740	0.0274	0.0348	0.0561	0.0101	0.0110	0.0000	0.0860	0.0862
Crist 6	0.3%	7.3%	0.0694	0.0806	0.0874	0.0000	0.0639	0.0639	0.3459	0.0281	0.0432
Crist 7	2.1%	50.3%	0.0291	0.0719	0.0740	0.1105	0.0685	0.0770	0.0000	0.1765	0.1771
Smith 1	0.5%	12.7%	0.0000	0.0723	0.0723	0.1665	0.0488	0.0586	0.0588	0.0128	0.0136
Smith 2	0.7%	16.2%	0.0656	0.0403	0.0432	0.0826	0.0550	0.0600	0.0000	0.0457	0.0457
Daniel 1	0.3%	7.6%	0.1144	0.0358	0.0412	0.0213	0.0074	0.0076	0.1366	0.0590	0.0684
Daniel 2	0.2%	4.8%	0.0259	0.0818	0.0840	0.0191	0.0232	0.0236	0.1274	0.0596	0.0684
Weighted GPIF System Average			0.0424	0.0646	0.0672	0.0932	0.0559	0.0623	0.0492	0.1078	0.1104

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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 2011 - December 2011

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Heat Rate Target	1st Prior Period	2nd Prior Period	3rd Prior Period
				Heat Rate	Heat Rate	Heat Rate
				Jul '09 - Jun '10	Jul '08 - Jun '09	Jul '07 - Jun '08
Crist 4	5.2%	5.4%	11,038	11,321	10,806	11,231
Crist 5	4.2%	4.4%	11,135	11,366	10,995	10,978
Crist 6	11.4%	11.9%	11,121	11,216	11,146	11,046
Crist 7	27.3%	28.5%	10,650	10,732	10,770	10,718
Smith 1	12.2%	12.8%	10,457	10,512	10,435	10,424
Smith 2	13.1%	13.6%	10,426	10,467	10,487	10,457
Daniel 1	12.6%	13.1%	10,518	10,368	10,578	10,499
Daniel 2	9.8%	10.2%	10,417	10,398	10,451	10,436
Weighted GPIF System Average:			10,652	10,703	10,688	10,666

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Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 6 Jul '08 - Jun '09

	Jul Jan	Aug Feb	Sep Mar	Oct Apr	Nov May	Dec Jun
1. Target Heat Rate*	10878.0 11749.0	11122.0 11707.0	11120.0 -	11324.0 -	10687.0 11197.0	11202.0 10888.0
2. Target Heat Rate at Actual Conditions**	10816.0 0.0	11125.0 11720.0	10983.0 10927.0	11279.0 11211.0	10558.0 11043.0	10775.0 11088.0
3. Adjustments to Actual Heat Rate (1-2)	62.0 11749.0	-3.0 -13.0	137.0 0.0	45.0 0.0	129.0 154.0	427.0 -200.0
4. Actual Heat Rate for Prior Period	10690.0 0.0	11272.0 10934.0	11159.0 11127.0	11827.0 11433.0	10530.0 11121.0	10485.0 10890.0
5. Adjusted actual Heat Rate (4+3)	10752.0 11749.0	11269.0 10921.0	11296.0 11127.0	11872.0 11433.0	10659.0 11275.0	10912.0 10690.0
6. Forecast Net MWH Generation*	159416.6 102382.5	161196.5 36905.3	150860.0 0.0	155393.6 0.0	133986.4 95364.0	99236.5 152657.2

7. Adjusted Actual Heat Rate
for Jul '08 - Jun '09
= (Σ ((5) * (6))) / (Σ (6))

11,146

* For the January 2011 - December 2011 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 2011 - December 2011

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	\$568,464	\$568,460	\$4	0.0%
Crist 4	ANOHR-1	\$568,464	\$567,797	\$667	5.2%
Crist 5	EA-2	\$568,464	\$568,462	\$2	0.0%
Crist 5	ANOHR-2	\$568,464	\$567,921	\$543	4.2%
Crist 6	EA-3	\$568,464	\$568,425	\$39	0.3%
Crist 6	ANOHR-3	\$568,464	\$567,003	\$1,461	11.4%
Crist 7	EA-4	\$568,464	\$568,194	\$270	2.1%
Crist 7	ANOHR-4	\$568,464	\$564,958	\$3,506	27.3%
Smith 1	EA-5	\$568,464	\$568,396	\$68	0.5%
Smith 1	ANOHR-5	\$568,464	\$566,896	\$1,568	12.2%
Smith 2	EA-6	\$568,464	\$568,377	\$87	0.7%
Smith 2	ANOHR-6	\$568,464	\$566,790	\$1,674	13.1%
Daniel 1	EA-7	\$568,464	\$568,423	\$41	0.3%
Daniel 1	ANOHR-7	\$568,464	\$566,852	\$1,612	12.6%
Daniel 2	EA-8	\$568,464	\$568,438	\$26	0.2%
Daniel 2	ANOHR-8	\$568,464	\$567,209	\$1,255	9.8%

(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 2011 - December 2011

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	4	98.30	+ 10	667	10,707
+ 9	4	98.22	+ 9	600	10,733
+ 8	3	98.14	+ 8	534	10,758
+ 7	3	98.06	+ 7	467	10,784
+ 6	2	97.98	+ 6	400	10,809
+ 5	2	97.90	+ 5	334	10,835
+ 4	2	97.82	+ 4	267	10,861
+ 3	1	97.74	+ 3	200	10,886
+ 2	1	97.66	+ 2	133	10,912
+ 1	0	97.58	+ 1	67	10,937
				0	10,963
0	0	97.50	0	0	11,038
				0	11,113
- 1	(1)	97.39	- 1	(67)	11,139
- 2	(1)	97.28	- 2	(133)	11,164
- 3	(2)	97.17	- 3	(200)	11,190
- 4	(2)	97.06	- 4	(267)	11,215
- 5	(3)	96.95	- 5	(334)	11,241
- 6	(3)	96.84	- 6	(400)	11,267
- 7	(4)	96.73	- 7	(467)	11,292
- 8	(4)	96.62	- 8	(534)	11,318
- 9	(5)	96.51	- 9	(600)	11,343
- 10	(5)	96.40	- 10	(667)	11,369
Weighting Factor:		0.000	Weighting Factor:		0.052

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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	2	82.10	+ 10	543	10,801
+ 9	2	82.01	+ 9	489	10,827
+ 8	2	81.92	+ 8	434	10,853
+ 7	1	81.83	+ 7	380	10,879
+ 6	1	81.74	+ 6	326	10,905
+ 5	1	81.65	+ 5	272	10,931
+ 4	1	81.56	+ 4	217	10,956
+ 3	1	81.47	+ 3	163	10,982
+ 2	0	81.38	+ 2	109	11,008
+ 1	0	81.29	+ 1	54	11,034
				0	11,060
0	0	81.20	0	0	11,135
				0	11,210
- 1	(0)	81.07	- 1	(54)	11,236
- 2	(1)	80.94	- 2	(109)	11,262
- 3	(1)	80.81	- 3	(163)	11,288
- 4	(1)	80.68	- 4	(217)	11,314
- 5	(2)	80.55	- 5	(272)	11,340
- 6	(2)	80.42	- 6	(326)	11,365
- 7	(2)	80.29	- 7	(380)	11,391
- 8	(2)	80.16	- 8	(434)	11,417
- 9	(3)	80.03	- 9	(489)	11,443
- 10	(3)	79.90	- 10	(543)	11,469
Weighting Factor:		0.000	Weighting Factor:		0.042

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Period of: January 2011 - December 2011

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	39	73.20	+ 10	1,461	10,787
+ 9	35	73.06	+ 9	1,315	10,813
+ 8	31	72.92	+ 8	1,169	10,839
+ 7	27	72.78	+ 7	1,023	10,865
+ 6	23	72.64	+ 6	877	10,891
+ 5	20	72.50	+ 5	731	10,917
+ 4	16	72.36	+ 4	584	10,942
+ 3	12	72.22	+ 3	438	10,968
+ 2	8	72.08	+ 2	292	10,994
+ 1	4	71.94	+ 1	146	11,020
0	0	71.80	0	0	11,046
				0	11,121
				0	11,196
- 1	(6)	71.59	- 1	(146)	11,222
- 2	(12)	71.38	- 2	(292)	11,248
- 3	(18)	71.17	- 3	(438)	11,274
- 4	(24)	70.96	- 4	(584)	11,300
- 5	(30)	70.75	- 5	(731)	11,326
- 6	(36)	70.54	- 6	(877)	11,351
- 7	(42)	70.33	- 7	(1,023)	11,377
- 8	(48)	70.12	- 8	(1,169)	11,403
- 9	(54)	69.91	- 9	(1,315)	11,429
- 10	(60)	69.70	- 10	(1,461)	11,455
Weighting Factor:		0.003	Weighting Factor:		0.114

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Gulf Power Company

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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	270	85.30	+ 10	3,506	10,331
+ 9	243	85.02	+ 9	3,155	10,355
+ 8	216	84.74	+ 8	2,805	10,380
+ 7	189	84.46	+ 7	2,454	10,404
+ 6	162	84.18	+ 6	2,104	10,429
+ 5	135	83.90	+ 5	1,753	10,453
+ 4	108	83.62	+ 4	1,402	10,477
+ 3	81	83.34	+ 3	1,052	10,502
+ 2	54	83.06	+ 2	701	10,526
+ 1	27	82.78	+ 1	351	10,551
				0	10,575
0	0	82.50	0	0	10,650
				0	10,725
- 1	(42)	82.08	- 1	(351)	10,750
- 2	(84)	81.66	- 2	(701)	10,774
- 3	(126)	81.24	- 3	(1,052)	10,799
- 4	(168)	80.82	- 4	(1,402)	10,823
- 5	(210)	80.40	- 5	(1,753)	10,848
- 6	(251)	79.98	- 6	(2,104)	10,872
- 7	(293)	79.56	- 7	(2,454)	10,897
- 8	(335)	79.14	- 8	(2,805)	10,921
- 9	(377)	78.72	- 9	(3,155)	10,946
- 10	(419)	78.30	- 10	(3,506)	10,970
Weighting Factor:		0.021	Weighting Factor:		0.273

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Gulf Power Company

Period of: January 2011 - December 2011

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	68	90.00	+ 10	1,568	10,143
+ 9	61	89.85	+ 9	1,411	10,167
+ 8	54	89.70	+ 8	1,254	10,191
+ 7	48	89.55	+ 7	1,098	10,215
+ 6	41	89.40	+ 6	941	10,239
+ 5	34	89.25	+ 5	784	10,263
+ 4	27	89.10	+ 4	627	10,286
+ 3	20	88.95	+ 3	470	10,310
+ 2	14	88.80	+ 2	314	10,334
+ 1	7	88.65	+ 1	157	10,358
0	0	88.50	0	0	10,382
				0	10,457
				0	10,532
- 1	(7)	88.26	- 1	(157)	10,556
- 2	(13)	88.02	- 2	(314)	10,580
- 3	(20)	87.78	- 3	(470)	10,604
- 4	(26)	87.54	- 4	(627)	10,628
- 5	(33)	87.30	- 5	(784)	10,652
- 6	(39)	87.06	- 6	(941)	10,675
- 7	(46)	86.82	- 7	(1,098)	10,699
- 8	(52)	86.58	- 8	(1,254)	10,723
- 9	(59)	86.34	- 9	(1,411)	10,747
- 10	(65)	86.10	- 10	(1,568)	10,771
Weighting Factor:		0.005	Weighting Factor:		0.122

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2011 - December 2011

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	87	96.80	+ 10	1,674	10,113
+ 9	78	96.66	+ 9	1,507	10,137
+ 8	70	96.52	+ 8	1,339	10,161
+ 7	61	96.38	+ 7	1,172	10,184
+ 6	52	96.24	+ 6	1,004	10,208
+ 5	44	96.10	+ 5	837	10,232
+ 4	35	95.96	+ 4	670	10,256
+ 3	26	95.82	+ 3	502	10,280
+ 2	17	95.68	+ 2	335	10,303
+ 1	9	95.54	+ 1	167	10,327
				0	10,351
0	0	95.40	0	0	10,426
				0	10,501
- 1	(11)	95.19	- 1	(167)	10,525
- 2	(22)	94.98	- 2	(335)	10,549
- 3	(33)	94.77	- 3	(502)	10,572
- 4	(44)	94.56	- 4	(670)	10,596
- 5	(55)	94.35	- 5	(837)	10,620
- 6	(65)	94.14	- 6	(1,004)	10,644
- 7	(76)	93.93	- 7	(1,172)	10,668
- 8	(87)	93.72	- 8	(1,339)	10,691
- 9	(98)	93.51	- 9	(1,507)	10,715
- 10	(109)	93.30	- 10	(1,674)	10,739
Weighting Factor:		0.007	Weighting Factor:		0.131

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2011 - December 2011

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	41	95.80	+ 10	1,612	10,202
+ 9	37	95.62	+ 9	1,451	10,226
+ 8	33	95.44	+ 8	1,290	10,250
+ 7	29	95.26	+ 7	1,128	10,274
+ 6	25	95.08	+ 6	967	10,298
+ 5	21	94.90	+ 5	806	10,323
+ 4	16	94.72	+ 4	645	10,347
+ 3	12	94.54	+ 3	484	10,371
+ 2	8	94.36	+ 2	322	10,395
+ 1	4	94.18	+ 1	161	10,419
				0	10,443
0	0	94.00	0	0	10,518
				0	10,593
- 1	(5)	93.73	- 1	(161)	10,617
- 2	(11)	93.46	- 2	(322)	10,641
- 3	(16)	93.19	- 3	(484)	10,665
- 4	(22)	92.92	- 4	(645)	10,689
- 5	(27)	92.65	- 5	(806)	10,714
- 6	(32)	92.38	- 6	(967)	10,738
- 7	(38)	92.11	- 7	(1,128)	10,762
- 8	(43)	91.84	- 8	(1,290)	10,786
- 9	(49)	91.57	- 9	(1,451)	10,810
- 10	(54)	91.30	- 10	(1,612)	10,834
Weighting Factor:		0.003	Weighting Factor:		0.126

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Gulf Power Company

Period of: January 2011 - December 2011

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	26	78.70	+ 10	1,255	10,104
+ 9	23	78.53	+ 9	1,130	10,128
+ 8	21	78.36	+ 8	1,004	10,152
+ 7	18	78.19	+ 7	879	10,175
+ 6	16	78.02	+ 6	753	10,199
+ 5	13	77.85	+ 5	628	10,223
+ 4	10	77.68	+ 4	502	10,247
+ 3	8	77.51	+ 3	377	10,271
+ 2	5	77.34	+ 2	251	10,294
+ 1	3	77.17	+ 1	126	10,318
0	0	77.00	0	0	10,342
				0	10,417
				0	10,492
- 1	(4)	76.73	- 1	(126)	10,516
- 2	(7)	76.46	- 2	(251)	10,540
- 3	(11)	76.19	- 3	(377)	10,563
- 4	(14)	75.92	- 4	(502)	10,587
- 5	(18)	75.65	- 5	(628)	10,611
- 6	(22)	75.38	- 6	(753)	10,635
- 7	(25)	75.11	- 7	(879)	10,659
- 8	(29)	74.84	- 8	(1,004)	10,682
- 9	(32)	74.57	- 9	(1,130)	10,706
- 10	(36)	74.30	- 10	(1,255)	10,730
Weighting Factor:		0.002	Weighting Factor:		0.098

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Florida Public Service Commission
Docket No. 100001-EI
Gulf Power Company
Witness: M. A. Young, III
Exhibit No. ____ (MAY-2)
Schedule 3
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ESTIMATED UNIT PERFORMANCE DATA

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

CRIST 4	Jan '11	Feb '11	Mar '11	Apr '11	May '11	Jun '11	
1. EAF (%)	82.8	98.7	98.8	98.8	99.1	99.0	
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3. EUOF (%)	17.2	1.3	1.2	1.2	0.9	1.0	
4. EUOR (%)	17.2	1.3	1.2	1.3	0.9	1.0	
5. PH	744.0	672.0	743.0	720.0	744.0	720.0	
6. SH	618.0	665.0	736.0	713.0	737.0	713.0	
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8. UH	126.0	7.0	7.0	7.0	7.0	7.0	
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	
10. FOH & EFOH	8.0	9.0	9.0	9.0	7.0	7.0	
11. MOH & EMOH	120.0	0.0	0.0	0.0	0.0	0.0	
12. Oper MBtu	371835.0	385470.0	454605.0	433263.0	450329.0	485413.0	
13. Net Gen (MWH)	32836.0	32991.3	38640.5	41647.9	43143.2	44954.0	
14. ANOHR (Btu/KWH)	11324.0	11684.0	11765.0	10403.0	10438.0	10798.0	
15. NOF %	70.8	66.1	70.0	77.9	78.1	84.1	
16. NPC (MW)	75.0	75.0	75.0	75.0	75.0	75.0	
19. ANOHR Equation	$10^6 / AKW * [568.08 + 20.32 * MAR - 32.89 * APR - 30.60 * MAY + 39.21 * JUL + 19.97 * AUG + 19.18 * SEP + 14.84 * OCT]$ $- 6606 + 0.12936 * LSRF / AKW$						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

CRIST 4	Jul '11	Aug '11	Sep '11	Oct '11	Nov '11	Dec '11	Total
1. EAF (%)	99.1	99.1	98.8	98.8	98.9	99.1	97.5
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	0.9	0.9	1.2	1.2	1.1	0.9	2.5
4. EUOR (%)	0.9	0.9	1.3	1.2	1.1	0.9	2.5
5. PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6. SH	737.0	737.0	713.0	737.0	714.0	737.0	8557.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	7.0	7.0	7.0	7.0	7.0	7.0	203.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. FOH & EFOH	7.0	7.0	9.0	9.0	8.0	7.0	96.0
11. MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	120.0
12. Oper MBtu	530344.0	521263.0	501207.0	513040.0	482587.0	487731.0	5617087.0
13. Net Gen (MWH)	46439.9	46977.6	45190.4	46508.9	44638.5	44923.2	508891.4
14. ANOHR (Btu/KWH)	11420.0	11096.0	11091.0	11031.0	10811.0	10857.0	11038.0
15. NOF %	84.0	85.0	84.5	84.1	83.4	81.3	79.3
16. NPC (MW)	75.0	75.0	75.0	75.0	75.0	75.0	75.0
19. ANOHR Equation	$10^6 / \text{AKW} * [568.08 + 20.32 * \text{MAR} - 32.89 * \text{APR} - 30.60 * \text{MAY} + 39.21 * \text{JUL} + 19.97 * \text{AUG} + 19.18 * \text{SEP} + 14.84 * \text{OCT}]$ $- 6606 + 0.12936 * \text{LSRF} / \text{AKW}$						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

CRIST 5	Jan '11	Feb '11	Mar '11	Apr '11	May '11	Jun '11	
1. EAF (%)	85.8	87.9	98.5	99.0	98.9	99.0	
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3. EUOF (%)	14.2	12.1	1.5	1.0	1.1	1.0	
4. EUOR (%)	14.2	12.1	1.5	1.0	1.1	1.0	
5. PH	744.0	672.0	743.0	720.0	744.0	720.0	
6. SH	641.0	594.0	735.0	713.0	736.0	713.0	
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8. UH	103.0	78.0	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	9.0	11.0	7.0	8.0	7.0	
11. MOH & EMOH	96.0	72.0	0.0	0.0	0.0	0.0	
12. Oper MBtu	356577.0	310525.0	401586.0	415638.0	449055.0	490758.0	
13. Net Gen (MWH)	31433.1	26908.6	35245.4	38542.1	40532.1	44244.3	
14. ANOHR (Btu/KWH)	11344.0	11540.0	11394.0	10784.0	11079.0	11092.0	
15. NOF %	65.4	60.4	63.9	72.1	73.4	82.7	
16. NPC (MW)	75.0	75.0	75.0	75.0	75.0	75.0	
19. ANOHR Equation	$10^6 / AKW * [117.46 - 18.06 * APR + 15.73 * JUN + 20.50 * JUL + 24.06 * AUG + 13.06 * SEP - 14.89 * NOV]$ + 8,947						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

CRIST 5	Jul '11	Aug '11	Sep '11	Oct '11	Nov '11	Dec '11	Total
1. EAF (%)	98.9	98.9	75.8	0.0	33.0	98.9	81.2
2. POF (%)	0.0	0.0	23.3	100.0	66.6	0.0	15.9
3. EUOF (%)	1.1	1.1	0.9	0.0	0.4	1.1	2.9
4. EUOR (%)	1.1	1.1	1.1	0.0	1.2	1.1	3.4
5. PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6. SH	736.0	736.0	546.0	0.0	239.0	736.0	7125.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	8.0	8.0	174.0	744.0	482.0	8.0	1635.0
9. POH	0.0	0.0	168.0	744.0	480.0	0.0	1392.0
10. FOH & EFOH	8.0	8.0	6.0	0.0	3.0	8.0	85.0
11. MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	168.0
12. Oper MBtu	510881.0	514947.0	375533.0	0.0	147011.0	463152.0	4435663.0
13. Net Gen (MWH)	45741.0	45915.9	34009.5	0.0	13692.0	42104.7	398368.7
14. ANOHR (Btu/KWH)	11169.0	11215.0	11042.0	-	10737.0	11000.0	11135.0
15. NOF %	82.9	83.2	83.1	0.0	76.4	76.3	74.5
16. NPC (MW)	75.0	75.0	75.0	75.0	75.0	75.0	75.0
19. ANOHR Equation	$10^6 / AKW * [117.46 - 18.06 * APR + 15.73 * JUN + 20.50 * JUL + 24.06 * AUG + 13.06 * SEP - 14.89 * NOV]$ + 8,947						

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GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

CRIST 6	Jan '11	Feb '11	Mar '11	Apr '11	May '11	Jun '11	
1. EAF (%)	96.2	37.5	0.0	0.0	71.4	96.4	
2. POF (%)	0.0	60.7	100.0	100.0	25.8	0.0	
3. EUOF (%)	3.8	1.8	0.0	0.0	2.8	3.6	
4. EUOR (%)	3.8	4.5	0.0	0.0	3.8	3.6	
5. PH	744.0	672.0	743.0	720.0	744.0	720.0	
6. SH	718.0	255.0	0.0	0.0	533.0	694.0	
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8. UH	26.0	417.0	743.0	720.0	211.0	26.0	
9. POH	0.0	408.0	743.0	720.0	192.0	0.0	
10. FOH & EFOH	28.0	12.0	0.0	0.0	21.0	26.0	
11. MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12. Oper MBtu	1202892.0	432050.0	0.0	0.0	1067791.0	1662132.0	
13. Net Gen (MWH)	102382.5	36905.3	0.0	0.0	95364.0	152657.2	
14. ANOHR (Btu/KWH)	11749.0	11707.0	-	-	11197.0	10888.0	
15. NOP %	49.0	49.7	0.0	0.0	61.5	75.6	
16. NPC (MW)	291.0	291.0	291.0	291.0	291.0	291.0	
19. ANOHR Equation	$10^6 / \text{AKW} * [768.86 + 57.27 * \text{AUG} + 47.68 * \text{SEP} + 90.47 * \text{OCT} - 72.87 * \text{NOV}]$ $+ 4,448 + 0.01249 * \text{LSRF} / \text{AKW}$						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

CRIST 6	Jul '11	Aug '11	Sep '11	Oct '11	Nov '11	Dec '11	Total
1. EAF (%)	96.5	96.5	96.4	96.2	96.1	74.7	71.8
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	23.6
3. EUOF (%)	3.5	3.5	3.6	3.8	3.9	25.3	4.7
4. EUOR (%)	3.5	3.5	3.6	3.8	3.9	25.3	6.1
5. PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6. SH	718.0	718.0	694.0	718.0	695.0	556.0	6299.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	26.0	26.0	26.0	26.0	26.0	188.0	2461.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	2063.0
10. FOH & EFOH	26.0	26.0	26.0	28.0	28.0	20.0	241.0
11. MOH & EMOH	0.0	0.0	0.0	0.0	0.0	168.0	168.0
12. Oper MBtu	1734134.0	1792827.0	1677563.0	1759677.0	1431913.0	1111647.0	13872626.0
13. Net Gen (MWH)	159416.6	161196.5	150860.0	155393.6	133986.4	99236.5	1247398.6
14. ANOHR (Btu/KWH)	10878.0	11122.0	11120.0	11324.0	10687.0	11202.0	11121.0
15. NOF %	76.3	77.2	74.7	74.4	66.2	61.3	68.1
16. NPC (MW)	291.0	291.0	291.0	291.0	291.0	291.0	291.0
19. ANOHR Equation	$10^6 / \text{AKW} * [768.86 + 57.27 * \text{AUG} + 47.68 * \text{SEP} + 90.47 * \text{OCT} - 72.87 * \text{NOV}]$ $+ 4,448 + 0.01249 * \text{LSRF} / \text{AKW}$						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

CRIST 7	Jan '11	Feb '11	Mar '11	Apr '11	May '11	Jun '11	
1. EAF (%)	20.8	73.4	93.7	93.5	94.0	93.9	
2. POF (%)	77.4	21.4	0.0	0.0	0.0	0.0	
3. EUOF (%)	1.8	5.2	6.3	6.5	6.0	6.1	
4. EUOR (%)	7.7	6.6	6.3	6.5	6.0	6.1	
5. PH	744.0	672.0	743.0	720.0	744.0	720.0	
6. SH	158.0	496.0	698.0	676.0	699.0	676.0	
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8. UH	586.0	176.0	45.0	44.0	45.0	44.0	
9. POH	576.0	144.0	0.0	0.0	0.0	0.0	
10. FOH & EFOH	13.0	35.0	47.0	47.0	45.0	44.0	
11. MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12. Oper MBtu	591239.0	1740776.0	2642327.0	2779717.0	2869405.0	2867111.0	
13. Net Gen (MWH)	56751.7	161242.7	247246.8	261743.6	270163.4	270303.7	
14. ANOHR (Btu/KWH)	10418.0	10796.0	10687.0	10620.0	10621.0	10607.0	
15. NOF %	77.2	69.9	76.2	83.3	83.1	86.0	
16. NPC (MW)	465.0	465.0	465.0	465.0	465.0	465.0	
19. ANOHR Equation	$10^6 / AKW * [1828.93 - 91.88 * JAN + 107.46 * AUG]$ $+ 766 + 0.01270 * LSRF / AKW$						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

CRIST 7	Jul '11	Aug '11	Sep '11	Oct '11	Nov '11	Dec '11	Total
1. EAF (%)	94.0	94.0	93.9	87.9	75.2	75.8	82.5
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	8.2
3. EUOF (%)	6.0	6.0	6.1	12.1	24.8	24.2	9.3
4. EUOR (%)	6.0	6.0	6.1	12.1	24.8	24.2	10.1
5. PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6. SH	699.0	699.0	676.0	654.0	542.0	564.0	7237.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	45.0	45.0	44.0	90.0	179.0	180.0	1523.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	720.0
10. FOH & EFOH	45.0	45.0	44.0	42.0	35.0	36.0	478.0
11. MOH & EMOH	0.0	0.0	0.0	48.0	144.0	144.0	336.0
12. Oper MBtu	2954768.0	3045410.0	2893699.0	2760446.0	2297443.0	2397690.0	29840031.0
13. Net Gen (MWH)	278541.5	280063.5	272887.5	260223.0	216596.9	226069.2	2801833.5
14. ANOHR (Btu/KWH)	10608.0	10874.0	10604.0	10608.0	10607.0	10606.0	10650.0
15. NOF %	85.7	86.2	86.8	85.6	85.9	86.2	83.3
16. NPC (MW)	465.0	465.0	465.0	465.0	465.0	465.0	465.0
19. ANOHR Equation	$10^6 / AKW * [1828.93 - 91.88 * JAN + 107.46 * AUG]$ $+ 766 + 0.01270 * LSRF / AKW$						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

	SMITH 1	Jan '11	Feb '11	Mar '11	Apr '11	May '11	Jun '11	
1.	EAF (%)	98.3	98.2	25.2	98.6	98.5	98.6	
2.	POF (%)	0.0	0.0	74.3	0.0	0.0	0.0	
3.	EUOP (%)	1.7	1.8	0.5	1.4	1.5	1.4	
4.	EUOR (%)	1.7	1.8	2.1	1.4	1.5	1.4	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	733.0	662.0	189.0	710.0	733.0	710.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	11.0	10.0	554.0	10.0	11.0	10.0	
9.	POH	0.0	0.0	552.0	0.0	0.0	0.0	
10.	FOH & EFOH	13.0	12.0	4.0	10.0	11.0	10.0	
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	905735.0	816768.0	225249.0	871178.0	817068.0	968838.0	
13.	Net Gen (MWH)	85916.8	76973.7	21458.4	83382.3	76886.0	92525.8	
14.	ANOHR (Btu/KWH)	10542.0	10611.0	10497.0	10448.0	10627.0	10471.0	
15.	NOF %	72.4	71.8	70.1	72.5	64.7	80.4	
16.	NPC (MW)	162.0	162.0	162.0	162.0	162.0	162.0	
19.	ANOHR Equation	$10^6 / \text{AKW} * [315.77 + 10.78 * \text{JAN} + 17.46 * \text{FEB} + 20.23 * \text{JUN} + 24.30 * \text{JUL} + 14.18 * \text{AUG}]$ $+ 6,339 + 0.01143 * \text{LSRF} / \text{AKW}$						

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GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

SMITH 1	Jul '11	Aug '11	Sep '11	Oct '11	Nov '11	Dec '11	Total
1. EAF (%)	98.5	98.5	98.6	66.7	98.3	85.6	88.5
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	6.3
3. EUOF (%)	1.5	1.5	1.4	33.3	1.7	14.4	5.2
4. EUOR (%)	1.5	1.5	1.4	33.3	1.7	14.4	5.6
5. PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6. SH	733.0	733.0	710.0	497.0	711.0	639.0	7760.0
7. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. UH	11.0	11.0	10.0	247.0	10.0	105.0	1000.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	552.0
10. FOH & EFOH	11.0	11.0	10.0	8.0	12.0	11.0	123.0
11. MOH & EMOH	0.0	0.0	0.0	240.0	0.0	96.0	336.0
12. Oper MBtu	1019849.0	1016917.0	935264.0	676943.0	901792.0	798317.0	9953918.0
13. Net Gen (MWH)	97332.4	97827.5	90442.3	65722.6	86752.5	76628.6	951848.9
14. ANOHR (Btu/KWH)	10478.0	10395.0	10341.0	10300.0	10395.0	10418.0	10457.0
15. NOF %	82.0	82.4	78.6	81.6	75.3	74.0	75.7
16. NPC (MW)	162.0	162.0	162.0	162.0	162.0	162.0	162.0
19. ANOHR Equation	$10^6 / AKW * [315.77 + 10.78 * JAN + 17.46 * FEB + 20.23 * JUN + 24.30 * JUL + 14.18 * AUG]$ $+ 6.339 + 0.01143 * LSRF / AKW$						

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GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

	SMITH 2	Jan '11	Feb '11	Mar '11	Apr '11	May '11	Jun '11	
1.	EAF (%)	63.3	98.2	98.1	98.5	98.4	98.5	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	36.7	1.8	1.9	1.5	1.6	1.5	
4.	EUOR (%)	36.7	1.8	1.9	1.5	1.6	1.5	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	473.0	662.0	731.0	709.0	732.0	709.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	271.0	10.0	12.0	11.0	12.0	11.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	9.0	12.0	14.0	11.0	12.0	11.0	
11.	MOH & EMOH	264.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	576637.0	780923.0	859249.0	861414.0	820343.0	1087511.0	
13.	Net Gen (MWH)	54047.9	74402.0	81848.8	82227.4	77868.3	103159.8	
14.	ANOHR (Btu/KWH)	10669.0	10496.0	10498.0	10476.0	10535.0	10542.0	
15.	NOF %	58.6	57.6	57.4	59.5	54.6	74.6	
16.	NPC (MW)	195.0	195.0	195.0	195.0	195.0	195.0	
19.	ANOHR Equation	$10^6 / AKW * [153.01 + 21.03 * JAN + 24.53 * JUN - 23.25 * OCT - 18.59 * NOV]$ $+ 8,464 + 0.00563 * LSRF / AKW$						

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GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

	SMITH 2	Jul '11	Aug '11	Sep '11	Oct '11	Nov '11	Dec '11	Total
1.	EAF (%)	98.4	98.4	98.5	98.4	98.2	98.1	95.4
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	1.6	1.6	1.5	1.6	1.8	1.9	4.6
4.	EUOR (%)	1.6	1.6	1.5	1.6	1.8	1.9	4.6
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	732.0	732.0	709.0	732.0	710.0	732.0	8363.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	12.0	12.0	11.0	12.0	11.0	12.0	397.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	12.0	12.0	11.0	12.0	13.0	14.0	143.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	264.0
12.	Oper MBtu	1130419.0	1141757.0	1036755.0	1060462.0	908710.0	926015.0	11190195.0
13.	Net Gen (MWH)	109040.1	110165.7	99851.2	103793.9	88335.8	88605.4	1073346.3
14.	ANOHR (Btu/KWH)	10367.0	10364.0	10383.0	10217.0	10287.0	10451.0	10426.0
15.	NOF %	76.4	77.2	72.2	72.7	63.8	62.1	65.8
16.	NPC (MW)	195.0	195.0	195.0	195.0	195.0	195.0	195.0
19.	ANOHR Equation	$10^6 / AKW * [153.01 + 21.03 * JAN + 24.53 * JUN - 23.25 * OCT - 18.59 * NOV]$ $+ 8,464 + 0.00563 * LSRF / AKW$						

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GULF POWER COMPANY

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DANIEL 1		Jan '11	Feb '11	Mar '11	Apr '11	May '11	Jun '11	
1.	EAF (%)	96.0	96.0	96.0	70.3	96.4	96.4	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOP (%)	4.0	4.0	4.0	29.7	3.6	3.6	
4.	EUOR (%)	4.0	4.0	4.0	29.7	3.6	3.6	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	717.0	648.0	716.0	509.0	717.0	694.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	VH	27.0	24.0	27.0	211.0	27.0	26.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	30.0	27.0	30.0	22.0	27.0	26.0	
11.	MOH & EMOH	0.0	0.0	0.0	192.0	0.0	0.0	
12.	Oper MBtu	2961011.0	2606477.0	2860081.0	2003425.0	2861535.0	2489546.0	
13.	Net Gen (MWH)	282081.6	252370.0	276603.6	193306.2	276717.4	236177.4	
14.	ANOHR (Btu/KWH)	10497.0	10328.0	10340.0	10364.0	10341.0	10541.0	
15.	NOF %	77.1	76.4	75.7	74.5	75.7	66.7	
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	
19.	ANOHR Equation	$10^6 / AKW * [1162.32 + 71.73 * JAN + 69.88 * JUL]$ $+ 4,870 + 0.00577 * LSRF / AKW$						

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GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

	DANIEL 1	Jul '11	Aug '11	Sep '11	Oct '11	Nov '11	Dec '11	Total
1.	EAF (%)	96.4	96.4	96.0	96.0	96.0	96.0	94.0
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	3.6	3.6	4.0	4.0	4.0	4.0	6.0
4.	EUOR (%)	3.6	3.6	4.0	4.0	4.0	4.0	6.0
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	717.0	717.0	694.0	717.0	695.0	717.0	8258.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	27.0	27.0	26.0	27.0	26.0	27.0	502.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	27.0	27.0	29.0	30.0	29.0	30.0	334.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	192.0
12.	Oper MBtu	2705953.0	2716443.0	2522861.0	2499492.0	2188577.0	2248060.0	30663461.0
13.	Net Gen (MWH)	253532.6	260395.2	239975.4	235712.2	201545.0	206794.2	2915210.8
14.	ANOHR (Btu/KWH)	10673.0	10432.0	10513.0	10604.0	10859.0	10871.0	10518.0
15.	NOF %	69.3	71.2	67.8	64.5	56.9	56.6	69.2
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	510.0
19.	ANOHR Equation	$10^6 / AKW * [1162.32 + 71.73 * JAN + 69.88 * JUL]$ $+ 4,870 + 0.00577 * LSRF / AKW$						

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GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

	DANIEL 2	Jan '11	Feb '11	Mar '11	Apr '11	May '11	Jun '11	
1.	EAF (%)	0.0	0.0	83.6	96.0	96.2	96.3	
2.	POF (%)	100.0	100.0	12.9	0.0	0.0	0.0	
3.	EUOF (%)	0.0	0.0	3.5	4.0	3.8	3.7	
4.	EUOR (%)	0.0	0.0	4.0	4.0	3.8	3.8	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	0.0	0.0	623.0	693.0	716.0	693.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	744.0	672.0	120.0	27.0	28.0	27.0	
9.	POH	744.0	672.0	96.0	0.0	0.0	0.0	
10.	FOH & EFOH	0.0	0.0	26.0	29.0	28.0	27.0	
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	0.0	0.0	2456816.0	2727424.0	2884815.0	2503912.0	
13.	Net Gen (MWH)	0.0	0.0	239315.8	265572.0	277146.2	239953.2	
14.	ANOHR (Btu/KWH)	-	-	10266.0	10270.0	10409.0	10435.0	
15.	NOF %	0.0	0.0	75.3	75.1	75.9	67.9	
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	
19.	ANOHR Equation	$10^6 / AKW * [-184.42 - 82.46 * JAN - 47.27 * FEB + 60.25 * MAY - 41.09 * OCT]$ $+ 13,823 - 0.00726 * LSRF / AKW$						

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GULF POWER COMPANY

PERIOD OF: January 2011 - December 2011

	DANIEL 2	Jul '11	Aug '11	Sep '11	Oct '11	Nov '11	Dec '11	Total
1.	EAF (%)	96.2	96.2	96.1	71.5	89.9	96.2	77.0
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	17.3
3.	EUOF (%)	3.8	3.8	3.9	28.5	10.1	3.8	5.8
4.	EUOR (%)	3.8	3.8	3.9	28.5	10.1	3.8	7.0
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	716.0	716.0	693.0	532.0	648.0	716.0	6746.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	28.0	28.0	27.0	212.0	73.0	28.0	2014.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	1512.0
10.	FOH & EPOH	28.0	28.0	28.0	20.0	25.0	28.0	267.0
11.	MOH & EMOH	0.0	0.0	0.0	192.0	48.0	0.0	240.0
12.	Oper MBtu	2658409.0	2697594.0	2544235.0	1841519.0	2067678.0	2267351.0	24649753.0
13.	Net Gen (MWH)	256034.8	260536.4	244520.4	177530.0	193602.8	211981.2	2366192.8
14.	ANOHR (Btu/KWH)	10383.0	10354.0	10405.0	10373.0	10680.0	10696.0	10417.0
15.	NOF %	70.1	71.3	69.2	65.4	58.6	58.1	68.8
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	510.0
19.	ANOHR Equation	$10^6 / \text{AKW} * [-184.42 - 82.46 * \text{JAN} - 47.27 * \text{FEB} + 60.25 * \text{MAY} - 41.09 * \text{OCT}]$ $+ 13,823 - 0.00726 * \text{LSRF} / \text{AKW}$						

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Planned Outage Schedules (Estimated)
 Gulf Power Company
 Period of: January 2011 - December 2011

Plant & Unit	Planned Outage Dates		Reason for Outage
Crist 5	09/24/11	- 11/20/11	General boiler maintenance and inspection.
Crist 6	02/12/11	- 05/08/11	Major boiler outage and inspection.
Crist 7	01/08/11	- 02/06/11	General boiler maintenance and inspection.
Smith 1	03/05/11	- 03/27/11	General boiler maintenance and inspection.
Daniel 2	01/01/11	03/04/11	Major turbine outage and inspection.

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Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: January 2011 - December 2011

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 2011 - December 2011, 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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