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GULF POWER
A SOUTHERN COMPANY

August 31, 2009

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. 090001-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 CD containing the Petition in Microsoft Word for Windows format as prepared on an NT computer.

Sincerely,

Susan D. Ritenour

mr

Enclosures

cc w/encl.: Beggs & Lane
Jeffrey A. Stone, Esq.

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ECR CD
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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

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

Docket No.: **090001-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, 2009, on the following:

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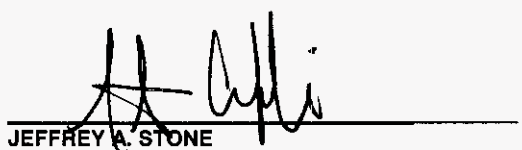

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: Fuel and Purchased Power Cost Recovery Clauses and Generating Performance Incentive Factor.	) Docket No.: 090001-EI) Filed: September 1, 2009	

PETITION OF GULF POWER COMPANY FOR APPROVAL OF FINAL FUEL COST TRUE-UP AMOUNTS FOR JANUARY 2008 THROUGH DECEMBER 2008; FINAL GPIF ADJUSTMENT FOR JANUARY 2008 THROUGH DECEMBER 2008; ESTIMATED FUEL COST TRUE-UP AMOUNTS FOR JANUARY 2009 THROUGH DECEMBER 2009; PROJECTED FUEL COST RECOVERY AMOUNTS FOR JANUARY 2010 THROUGH DECEMBER 2010; FINAL PURCHASED POWER CAPACITY COST TRUE-UP AMOUNTS FOR JANUARY 2008 THROUGH DECEMBER 2008; ESTIMATED PURCHASED POWER CAPACITY COST TRUE-UP AMOUNTS FOR JANUARY 2009 THROUGH DECEMBER 2009; PROJECTED PURCHASED POWER CAPACITY COST RECOVERY AMOUNTS FOR JANUARY 2010 THROUGH DECEMBER 2010; ESTIMATED AS-AVAILABLE AVOIDED ENERGY COSTS; GPIF TARGETS AND RANGES FOR JANUARY 2010 THROUGH DECEMBER 2010; FINANCIAL HEDGING ACTIVITIES AND SETTLEMENTS FOR AUGUST 2008 THROUGH JULY 2009; GULF POWER COMPANY'S RISK MANAGEMENT PLAN FOR FUEL PROCUREMENT; COSTS ASSOCIATED WITH CONSTRUCTION AND OPERATION OF THE PERDIDO LANDFILL GAS TO ENERGY FACILITY; FUEL COST RECOVERY FACTORS TO BE APPLIED BEGINNING WITH THE PERIOD JANUARY 2010 THROUGH DECEMBER 2010; AND CAPACITY COST RECOVERY FACTORS TO BE APPLIED BEGINNING WITH THE PERIOD JANUARY 2010 THROUGH DECEMBER 2010

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

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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 2008 through December 2008; (b) final GPIF adjustment; (c) estimated fuel cost true-up amounts for the period January 2009 through December 2009; (d) projected fuel cost recovery amounts for the period January 2010 through December 2010; (e) final purchased power capacity cost true-up amounts for the period January 2008 through December 2008; (f) estimated purchased power capacity cost true-up amounts for the period January 2009 through December 2009; (g) projected purchased power capacity cost recovery amounts for the period January 2010 through December 2010; (h) estimated as-available avoided energy costs for qualifying facilities (QF's); (i) GPIF targets and ranges for January 2010 through December 2010; (j) financial hedging activities and settlements for August 2008 through July 2009; (k) Gulf Power Company's Risk Management Plan for Fuel Procurement; (l) costs associated with construction and operation of the Perdido Landfill Gas to Energy Facility; (m) fuel cost recovery factors to be applied beginning with the period January 2010 through December 2010; and (n) capacity cost recovery factors to be applied beginning with the period January 2010 through December 2010.

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 2008 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, 2008, the

actual fuel true-up amount for the subject twelve months should be an under recovery of $107,138,306 instead of the estimated under recovery of $58,380,329 as approved previously by this Commission. The difference between these two amounts, $48,757,977, is submitted for approval by the Commission to be collected 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 3, 2009, Gulf filed the testimony and exhibit of M. A. Young containing the Company's actual operating results for the period January 2008 through December 2008. Based on the actual operating results for the period January 2008 through December 2008, Gulf should receive a reward in the amount of $113,177. 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 2009 through December 2009. 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 2009 through December 2009) is an over recovery of $36,414,908. 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 2008 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, $12,343,069, during the period of January 2010 through December 2010.

PROJECTED FUEL COST RECOVERY AMOUNTS

(4) Gulf has calculated its projected fuel cost recovery amounts for the months January 2010 through December 2010 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, H-1 and E-12 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 2008 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 2008, the final purchased power capacity cost true-up amount for the subject twelve months should be an actual over recovery of $405,362 instead of the estimated under recovery of $274,796 as approved previously by this Commission. The difference between these two amounts, $680,158, 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 2009 through December 2009. 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 under recovery of $1,787,568. 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 2008 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 collection of this total capacity cost true-up amount, $1,107,410, during the period of January 2010 through December 2010.

PROJECTED PURCHASED POWER CAPACITY COST RECOVERY AMOUNTS

(7) Gulf has calculated its projected purchased power capacity cost recovery amounts for the months January 2010 through December 2010 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 $48,127,856 projected for the period January 2010 through December 2010.

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 2010 through December 2010. 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 2010 through December 2010 set forth below:

Unit	EAF	POF	EUOF	Heat Rate
Crist 4	89.4	8.2	2.4	10,837
Crist 5	96.3	0.0	3.7	10,777
Crist 6	92.5	0.0	7.5	10,910
Crist 7	87.6	0.0	12.4	10,656
Smith 1	95.8	0.0	4.2	10,300
Smith 2	89.9	6.3	3.8	10,345
Daniel 1	77.7	17.2	5.0	10,414
Daniel 2	87.8	5.8	6.4	10,231

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 9, 2009 and the Hedging Information Report filed on August 14, 2009 and incorporated by reference as Exhibit HRB-3 to the testimony of H.R. Ball filed September 1, 2009, Gulf experienced a net loss of $41,004,486 associated with its natural gas hedging transactions effected between August 1, 2008 and July 31, 2009. 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, 2008 through July 31, 2009 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 4, 2009.

PERDIDO LANDFILL GAS TO ENERGY FACILITY

(12) Through this Petition, and the testimony of H.R. Ball and R.W. Dodd filed September 1, 2009, Gulf seeks this Commission's determination that the costs of constructing and operating a landfill gas to energy facility at the Perdido Landfill in Escambia County, Florida are appropriate for recovery through the Fuel Cost Recovery Clause (the "Fuel Clause"). After submitting a winning bid in response to a Request for Proposals issued by Escambia County in July 2008, Gulf Power entered into a twenty-year agreement with Escambia County to purchase landfill gas necessary to fuel a 3.2 MW landfill gas to energy facility to be located adjacent to the Perdido Landfill. Gulf Power has sub-contracted with a third party to design, build and operate

the facility on Gulf Power's behalf. These agreements are contingent upon the Commission granting full cost recovery (outside of a base rate or limited proceeding) of all costs incurred by Gulf Power to construct and operate the facility. Gulf Power projects that this project will result in approximately $23.5 million in fuel savings to Gulf's customers over its twenty-year life. This project will also provide fuel diversity benefits in the form of reduced dependence on coal and natural gas and reduce the volatility of Gulf Power's fuel costs. Finally, this project will provide a dedicated source of revenue for Escambia County in the form of payments for landfill gas consumed by Gulf Power.

Landfill gas is defined as a renewable energy resource pursuant to section 366.91(2), Florida Statutes. The Florida legislature has repeatedly recognized that it is in the public interest to promote the development of renewable energy resources in this state in order to, among other things, reduce dependence on natural gas, minimize volatility of fuel costs, encourage investment in the state and improve environmental conditions. See e.g., §§ 366.91(1); 366.92(1), Fla. Stat. This project furthers each of these stated policy objectives.

Additionally, this Commission has long sought to encourage innovative utility projects that reduce fuel costs to customers and further other public policy objectives by providing the ability for cost recovery through the Fuel Clause. In Docket No. 850001-EI-B, Order No. 14546 the Commission set forth its policy concerning the types of costs appropriately recovered through the Fuel Clause. In this Order, the Commission expressly retained the flexibility to allow for recovery through the Fuel Clause expenses normally recovered through base rates when the utility is in a position to take advantage of a cost-effective transaction, the costs of which were not recognized or anticipated in the level costs used to establish the utility's base rates. Id. at 3. In such cases, the Commission directed the utilities to "bring the matter before

the Commission at the first available fuel adjustment hearing and request cost recovery through the fuel adjustment clause on a case by case basis." Id. Based on the policy articulated in Order No. 14546, the Commission has allowed the costs of a number of utility projects to be recovered through the Fuel Clause. See e.g., Order No. PSC-95-0450-FOF-EI (allowing recovery of approximately $2.7 million to upgrade FPL nuclear facilities); Order No. PSC-95-1089-FOF-EI (allowing recovery by FPL of approximately $24 million to purchase 462 high capacity aluminum rail cars); Order Nos. PSC-01-2516-FOF-EI and PSC-02-1761-FOF-EI (allowing recovery of approximately $12.7 million to fund security facilities and operations at FPL nuclear facilities).

Gulf Power believes the Perdido Landfill project will promote renewable generation, provide fuel diversity benefits in the form of reduced dependence on coal and natural gas, reduce the volatility of Gulf Power's fuel costs and produce fuel savings to its customers. The costs associated with this project were not recognized or anticipated in the level of costs used to establish Gulf Power's current base rates. For these reasons, Gulf Power is seeking this Commission's determination that the costs associated with constructing and operating this project are appropriate for recovery though the Fuel Clause. Actual recovery of Gulf Power's project costs will be subject to a determination by the Commission that they are reasonable and prudent as they are incurred and subject to inclusion in the Fuel Clause.

As explained in the testimony of H.R. Ball, the capital investment in the project is approximately $5 million. The total projected revenue requirement and fuel cost for the Perdido project for the 2010 recovery period is $1,258,514 as calculated on Schedule 12 in Exhibit RWD-3 filed on September 1, 2009. Gulf Power is seeking approval to recover this amount through the Fuel Clause at this time.

FUEL COST RECOVERY FACTORS

(13) The proposed levelized fuel and purchased energy cost recovery factor, including GPIF and True-Up, herein requested is 5.348 ¢/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	1.00526	5.376	5.878	4.998
B	LP, LPT, SBS	0.98890	5.289	5.782	4.917
C	PX, PXT, RTP, SBS	0.98063	5.244	5.734	4.876
D	OSI/II	1.00529	5.219	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.

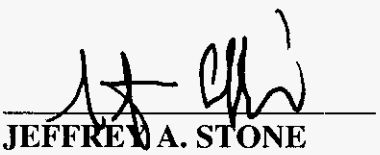
CAPACITY COST RECOVERY FACTORS

(14) 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	0.502
GS	0.460
GSD, GSDT, GSTOU	0.392
LP, LPT	0.339
PX, PXT, RTP, SBS	0.284
OS-I/II	0.118
OSIII	0.306

WHEREFORE, Gulf Power Company respectfully requests the Commission to approve the final fuel adjustment true-up for the period January 2008 through December 2008; the GPIF adjustment for the period January 2008 through December 2008; the estimated fuel cost true-up for the period January 2009 through December 2009; the projected fuel cost recovery amount for the period January 2010 through December 2010; the final purchased power capacity cost true-up amount for the period January 2008 through December 2008; the estimated purchased power capacity cost recovery true-up amount for the period January 2009 through December 2009; the projected purchased power capacity cost recovery amount for the period January 2010 through December 2010; the estimated as-available avoided energy costs for QF's; the GPIF targets and ranges for the period January 2010 through December 2010; the financial hedging activities and settlements for the period August 2008 through July 2009; Gulf Power Company's Risk Management Plan for Fuel Procurement; costs associated with construction and operation of the Perdido Landfill Gas to Energy Facility; the fuel cost recovery factors to be applied beginning with the period January 2010 through December 2010; and the capacity cost recovery factors to be applied beginning with the period January 2010 through December 2010.

Dated the 31st day of August, 2009.



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BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

Docket No. 090001-EI

Prepared Direct Testimony of
H. R. Ball

Date of Filing: September 1, 2009

GULF POWER

A SOUTHERN COMPANY

GULF POWER COMPANY

Before the Florida Public Service Commission
Prepared Direct Testimony and Exhibit of
H. R. Ball
Docket No. 090001-EI
Date of Filing: September 1, 2009

Q. Please state your name and business address.

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

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

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

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

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

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

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

A. The purpose of my testimony is to support Gulf Power Company's projection of fuel expenses, net power transaction expense, and purchased power capacity costs for the period January 1, 2010 through December 31, 2010. It is also my intent to be available to answer questions that may arise among the parties to this docket concerning Gulf Power Company's fuel and net power transaction expenses and purchased power capacity costs.

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

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

fuel cost of net generation for the past ten years. The purpose of this exhibit is to indicate the accuracy of Gulf's short-term fuel expense projections. The second exhibit (HRB-3) I am sponsoring as part of this testimony is Gulf Power Company's Hedging Information Report filed with the Commission Clerk on August 14, 2009 and assigned Document Number DN 08487-09. The purpose of this second exhibit is to comply with Order No. PSC-08-0316-PAA-EI and details Gulf Power's natural gas hedging transactions for January through July 2009. The third exhibit (HRB-4) I am sponsoring is Gulf Power Company's "Risk Management Plan for Fuel Procurement" filed with the Commission Clerk pursuant to a separate request for confidential classification on August 4, 2009. The risk management plan sets forth Gulf Power's fuel procurement strategy and related hedging plan for the upcoming calendar year. Through its petition in this docket, Gulf Power is seeking the Commission's approval of the Company's "Risk Management Plan for Fuel Procurement" as part of this proceeding. The fourth exhibit (HRB-5) I am sponsoring is a project description of the Perdido Landfill Gas to Energy Facility. Through its petition in this docket Gulf Power is seeking recovery of the cost of owning and operating this facility through the fuel cost recovery clause.

Counsel: We ask that Mr. Ball's four exhibits as just described be marked for identification as Exhibit Nos. _____ (HRB-2), _____ (HRB-3), _____ (HRB-4), and _____(HRB-5) respectively.

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

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

Q. What is Gulf's projected recoverable total fuel and net power transactions cost for the January 2010 through December 2010 recovery period?

A. Gulf's projected total fuel and net power transaction cost for the period is $608,374,566. This projected amount is captured in the exhibit to Witness Dodd's testimony, Schedule E-1, line 22.

Q. How does the total projected fuel and net power transactions cost for the 2010 period compare to the updated projection of fuel cost for the same period in 2009?

A. The total updated cost of fuel and net power transactions for 2009, reflected on Schedule E-1B-1 line 21 of Witness Dodd's testimony filed in this docket on August 4, 2009, is projected to be $563,071,299. The projected total cost of fuel and net power transactions for the 2010 period reflects an increase of $45,303,267 or 8.05% over the same period in 2009. On a fuel cost per KWH basis, the 2009 projected cost is 4.6605 cents per KWH and the 2010 projected fuel cost is 4.9184 cents per KWH, an increase of 0.2579 cents per KWH or 5.53%.

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

A. The projected total cost of fuel to meet system net generation needs in 2010 is $670,236,689. The projection of fuel cost of system net generation for 2010 is captured in the exhibit to Witness Dodd's testimony, Schedule E-1, line 1.

Q. How does the total projected fuel cost of net generation for the 2010 period compare to the updated projection of fuel cost for the same period in 2009?

A. The total updated cost of fuel to meet 2009 system net generation needs, reflected on Schedule E-1B-1, line 1 of Witness Dodd's testimony filed in this docket on August 4, 2009, is projected to be $552,784,053. The projected total cost of fuel to meet system net generation needs for the 2010 period reflects an increase of $117,452,636 or 21.25% over the same period in 2009. Total system net generation in 2010 is projected to be 13,979,791,000 KWH, which is 214,099,400 KWH or 1.56% higher than is currently projected for 2009. On a fuel cost per KWH basis, the 2009 projected cost is 4.0157 cents per KWH and the 2010 projected fuel cost is 4.7943 cents per KWH, an increase of 0.7786 cents per KWH or 19.39%. This higher projected total fuel expense and average per unit fuel cost is the result of an increased cost of coal and natural gas for the period. Weighted average coal price including boiler lighter fuel for 2009 as reflected on Schedule E-3, line 31 of Witness Dodd's testimony filed in this docket on August 4, 2009, is projected to be 3.91 $/MMBTU.

Weighted average coal price including boiler lighter fuel for 2010, as reflected on Schedule E-3, line 34 of the exhibit to Witness Dodd's testimony, is projected to be 4.44 $/MMBTU. This reflects a cost increase of 0.53 $/MMBTU or 13.55%. The majority of Gulf's coal supply agreements expired at the end of 2008 and these were replaced with commitments for new multi-year contracts with two year terms that expire at the end of 2010. Gulf's coal supply agreements have firm price and quantity commitments with the contract coal suppliers and these agreements will cover all of Gulf's 2010 projected coal burn needs. A higher percentage of Gulf's 2010 coal supply needs are being filled with these new coal supply agreements than was the case in 2009. Weighted average natural gas price for 2009, as reflected on Schedule E-3, line 32 of the exhibit to Witness Dodd's testimony filed in this docket on August 4, 2009, is projected to be 5.18 $/MMBTU. Weighted average natural gas price for 2010, as reflected on Schedule E-3, line 35 of the exhibit to Witness Dodd's testimony, is projected to be 6.96 $/MMBTU. This is an increase in price of 1.78 $/MMBTU or 34.36% and reflects forecasted higher market prices for natural gas in 2010.

Q. Does the 2010 projection of fuel cost of net generation reflect any major changes in Gulf's fuel procurement program for this period?

A. No. As in the past, Gulf's coal requirements are purchased in the market through the Request for Proposal (RFP) process that has been used for many years by Southern Company Services - Fuel Services as agent for Gulf. Coal will be delivered under existing coal transportation contracts.

Natural gas requirements will be purchased from various suppliers using firm quantity agreements with market pricing for base needs and on the daily spot market when necessary. Natural gas transportation will be secured using a combination of firm and spot transportation agreements. Details of Gulf's fuel procurement strategy are included in the "Risk Management Plan for Fuel Procurement" filed as exhibit _____ (HRB-4) to this testimony.

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

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

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

A. As detailed in Gulf's "Risk Management Plan for Fuel Procurement", natural gas prices will be hedged financially using instruments that conform to Gulf's established guidelines for hedging activity. Coal supply and transportation prices will be hedged physically using term agreements with either fixed pricing or term pricing with escalation terms tied to various published market price indexes. Gulf's "Risk Management Plan

for Fuel Procurement" is a reasonable and appropriate strategy for protecting the customer from fuel price volatility while maintaining a reliable supply of fuel for the operation of its electric generating resources.

Q. What are the results of Gulf's fuel price hedging program for the period January 2009 through July 2009?

A. Gulf's coal price hedging program has successfully managed the price it pays for coal under its coal supply agreements for this period. Gulf has also had financial hedges in place during the period to hedge the price of natural gas. These financial hedges have been effective in fixing the price of a percentage of Gulf's gas burn during the period. Pursuant to Order No. PSC-08-0316-PAA-EI, Gulf filed a "Hedging Information Report" with the Commission on August 14, 2009 detailing its natural gas hedging transactions for January 2009 through July 2009. As noted earlier, I am sponsoring this report as exhibit _____ (HRB-3) to my testimony in this docket.

Q. Has Gulf adequately mitigated the price risk of natural gas and purchased power for 2009 through 2010?

A. Gulf has adequate natural gas financial hedges in place for 2009 to mitigate price risk. Gulf currently has natural gas hedges in place for 2010 and continues to look for opportunities to enter into financial hedges that we believe will provide price stability to the customer and protect against unanticipated dramatic price increases in the natural gas market.

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

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

Q. Is Gulf seeking recovery of any other generation costs not previously included in this docket?

A. Yes. Gulf is requesting recovery through the Fuel Cost Recovery Clause of the cost of constructing and operating a 3.2 MW renewable energy facility identified as the Perdido Landfill Gas to Energy Facility located in Escambia County, Florida. Gulf has entered into agreements with Escambia County for the purchase of landfill gas as fuel for the facility and

to lease property to locate the facility equipment on the site of the Perdido Landfill. Gulf has also entered into an agreement with LFG Technologies Development, LLC for the design, procurement, construction, operation, and maintenance of the facility. The total capital investment in the project is expected to be approximately $5 million. A more detailed description of the project and breakdown of cost is filed as Exhibit _____ (HRB-5) to this testimony.

Q. What is the projected total recoverable cost of the Perdido Landfill Gas to Energy Project that is included in the projection period?

A. The total projected revenue requirements and fuel cost for the 2010 recovery period is $1,258,514 and the total annual projected generation is 14,236,000 KWH. This equates to 8.8404 cents per KWH. This total projected cost for the Perdido Landfill Gas Facility for 2010 is captured in the exhibit to Witness Dodd's testimony, Schedule E-1, line 4. The cost breakdown by month is shown on Schedule E-2, line 1b and Schedule E-4, line 17 of the exhibits to Witness Dodd's testimony. The costs associated with this project were not recognized or anticipated in the level of costs used to establish Gulf Power's current base rates.

Q. Why is Gulf seeking recovery of the cost of owning and operating the Perdido Landfill Gas Project in this docket?

A. The Florida Legislature has declared that promoting the development of renewable energy resources and increasing fuel diversity through reliance on renewable generation in Florida is in the public interest. See, §§

366.91(1); 366.92(1), Florida Statutes. Gulf Power views this project as a means to further these public interests while at the same time benefiting the local community and providing a reliable and economic source of generation for Gulf's customers. Gulf Power performed an economic evaluation at the time Escambia County Florida issued its Request for Proposals to determine the price Gulf Power could offer the County for its landfill gas without exceeding the avoided cost of a 2014 combined cycle unit. This price served as the basis for Gulf's offer in response to the County's RFP. The County accepted Gulf's offer and the parties entered into agreements which will result in the development of the Perdido Landfill Gas to Energy Facility. This project will provide fuel diversity benefits in the form of reduced dependence on coal and natural gas, reduce fuel price volatility, promote renewable generation in Florida and provide a dedicated source of income for Escambia County. Additionally, Gulf Power expects that this project will provide approximately $23,544,108 in fuel savings to its customers over the life of the project. The calculation of estimated fuel savings is shown on page 7 of Exhibit _____ (HRB-5) to this testimony.

Q. Should the Commission approve recovery of the cost of owning and operating the Perdido Landfill Gas Project in this docket?

A. Yes. Gulf believes that the cost of this project is appropriate for recovery in this docket under the policy articulated by this Commission in Order No. 14546 issued on July 8, 1985 in Docket No. 850001-EI-B.

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

A. Gulf's projected recoverable fuel cost of power sold is $104,944,000. This projected amount is captured in the exhibit to Witness Dodd's testimony, Schedule E-1, line 20.

Q. How does the total projected recoverable fuel cost of power sold for the 2010 period compare to the projected recoverable fuel cost of power sold for the same period in 2009?

A. The total projected recoverable fuel cost of power sold in 2009, reflected on Schedule E-1B-1, line 19 of Witness Dodd's testimony filed in this docket on August 4, 2009, is projected to be $93,156,965. The projected recoverable fuel cost of power sold in 2010 represents an increased credit of $11,787,035 or 12.65%. Total quantity of power sales in 2010 is projected to be 2,930,560,000 KWH, which is 561,689,334 KWH or 16.08% less than currently projected for 2009. On a fuel cost per KWH basis, the 2009 projected cost is 2.6675 cents per KWH and the 2010 projected fuel cost is 3.5810 cents per KWH, which is an increase of 0.9135 cents per KWH or 34.25%. This higher total credit to fuel expense from power sales is attributed to a higher fuel reimbursement rate (cents per KWH) for power sales as a result of higher projected market prices for natural gas and coal. Higher fuel costs to operate Gulf's generating fleet are passed on to the purchasers of power and are reflected in the higher fuel cost and gains on power sales.

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

A. Gulf's projected recoverable cost for energy purchases is $36,710,000. This projected amount is captured in the exhibit to Witness Dodd's testimony, Schedule E-1, line 14.

Q. How does the total projected purchased power cost for the 2010 period compare to the projected purchased power cost for the same period in 2009?

A. The total updated cost of purchased power to meet 2009 system needs, reflected on Schedule E-1B-1, line 13 of Witness Dodd's testimony filed in this docket on August 4, 2009, is projected to be $54,351,693. The projected cost of purchased power to meet system needs in 2010 is $17,641,693 or 32.46% less than is currently projected for 2009. The total quantity of purchased power in 2010 is projected to be 1,207,501,000 KWH, which is 520,915,302 KWH or 30.14% lower than is currently projected for 2009. On a fuel cost per KWH basis, the 2009 projected cost is 3.1446 cents per KWH and the 2010 projected fuel cost is 3.0402 cents per KWH, which represents a decrease of 0.1044 cents per KWH or 3.32%.

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

A. The total recoverable capacity payments for the period are $48,127,856. This amount is captured in the exhibit to Witness Dodd's testimony, Schedule CCE-1, line 10. Schedule CCE-4 of Mr. Dodd's testimony lists the long-term power contracts that are included for capacity cost recovery,

their associated capacity amounts in megawatts, and the resulting capacity dollar amounts. Also included in Gulf's 2010 projection of capacity cost is revenue produced by a market-based service agreement between the Southern electric system operating companies and South Carolina PSA. This revenue of $42,000 is shown on Schedule CCE-4, line 44 in the exhibit to Witness Dodd's testimony. The total capacity cost included on Schedule CCE-4 is presented on lines 1 and 2 of Schedule CCE-1.

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

A. Yes, Gulf has entered into a new purchased power agreement with a term expected to begin on October 1, 2009. This firm capacity purchase agreement was approved for cost recovery in Docket No. 090169-EI under Commission Order No. PSC-09-0534-PAA-EI. The purchased power agreement is with Shell Energy North America, LP. The capacity and associated costs are included on Schedule CCE-4, line 42 in the exhibit to Witness Dodd's testimony. The capacity and associated costs of the Shell Energy PPA are expected to be offset with fuel savings derived from having this agreement in effect during the projection period. The projected fuel savings are in excess of the cost of the PPA and are shown on Schedule E-1, line 11 in the exhibit to Witness Dodd's testimony.

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

A. Gulf has included an estimate of transmission revenues in the amount of $86,000 in its capacity cost recovery projection. This amount is captured in the exhibit to Witness Dodd's testimony, Schedule CCE-1, line 3.

Q. How does the total projected net capacity cost for the 2010 period compare to the current estimated net capacity cost for the same period in 2009?

A. Gulf's 2010 Projected Jurisdictional Capacity Payments, found in the exhibit to Witness Dodd's testimony, Schedule CCE-1, line 6, is projected to be $46,985,819. This amount is $14,318,987 or 43.83% greater than the current estimate of $32,666,832 (Schedule CCE-1B, line 6) for 2009 that was filed in Mr. Dodd's estimated/actual true-up testimony in this docket on August 4, 2009. This increase is primarily a result of the recent addition of new purchased power agreements to meet projected additional capacity needs. This includes a full year of capacity payments under the Coral Power, LLC and Southern Power Company purchased power agreements that began on June 1, 2009 and the addition of the new Shell Energy North America, LP purchased power agreement which is expected to begin on October 1, 2009.

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

A. Yes, it does.

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 090001-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 at 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.

H. R. Ball
Fuel Manager

Sworn to and subscribed before me this 31st day of August, 2009

Notary Public, State of Florida at Large

Commission Number: DD719129

Commission Expires: 25 January 2012

CONNIE L. HAPPNEY
MY COMMISSION EXPIRES
January 25, 2012
#DD 719129
Bonded thru Notary Public Underwriters
NOTARY PUBLIC, STATE OF FLORIDA

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

Cents / KWH Fuel Cost

Period Ending	Projected[1]	Actual[1]	% Difference[1]
December 1999	1.5291	1.5696	2.65
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	4.0157[2]		
December 2010	4.7943[3]		

(1) Line No. 1 from FPSC Schedule A-1, December, Period To Date
(2) Line No. 1 from FPSC Schedule E-1B-1, 2009 Estimated/Actual True-Up
(3) Line No. 1 from FPSC Schedule E-1, 2010 Projection Filing

Florida Public Service Commission
Docket No. 090001-EI
GULF POWER COMPANY
Witness: H. R. Ball
Exhibit No. _____ (HRB-3)

Exhibit No. HRB-3 Gulf Power Company's Hedging Information Report was filed with the Commission Clerk on August 14, 2009 and assigned Document Number 08487-09.

Florida Public Service Commission
Docket No. 090001-EI
GULF POWER COMPANY
Witness: H. R. Ball
Exhibit No. _____ (HRB-4)

Exhibit No. HRB-4 Gulf Power Company's Risk Management Plan for Fuel Procurement was filed with the Commission Clerk on August 4, 2009 and assigned Document Number 07973-09.

Gulf Power Company

Perdido Landfill Gas to Energy Project

PROJECT DESCRIPTION

Overview

The project scope is two Caterpillar G3520C engines with approximate output electrical power of 1600 kilowatts each. The engines are rated at a 2,233 brake horsepower and 6509 nominal BTU/bhp-hour at 100% load.

The new project facility will treat and use landfill gas from the Escambia County Perdido Landfill and provide electrical power to the Gulf Power distribution network. Initially, two engines are planned for operation beginning in June 2010. The design life of the facility is 20 plus years.

Gas Engine Details

Each unit will be a Caterpillar model G3520C designed for low NOx emissions combusting low pressure and low BTU landfill gas. The engines are spark-ignited with air inlet filters, exhaust silencers, battery and charger, lube oil system and horizontal core radiators. Each unit will supply 1,600 kW at 4160 volt, 3 phase power.

Auxiliary Equipment

Oil equipment includes a day oil, new oil and waste oil storage tanks. Electrical equipment includes generator controls, switchgear, transformers, motor control center, relays and breakers. Other equipment includes an air compressor, oil pumps and a coolant tank.

Building

This facility will be housed in a masonry block or similar building for the engines, generators, electrical equipment and controls, gas conditioning equipment and personnel areas. The initial building will be approximately 3,500 square feet.

Gas Conditioning Equipment

The County will provide landfill gas to the facility. This gas will be piped by the County to a fuel compressor located in the facility building. Gas flow, temperature and BTU content will be measured at the new facility. A liquid removal system will trap liquid and large particulate and return it to the landfill. A cooler and 0.4 micron filter will be located downstream of the compressor to further remove condensate.

The gas condition system is equipped with an automatic shut-off valve to close the gas supply upon engine shutdown.

Operation

The engines are planned to operate continuously except during outages due to maintenance, repairs and malfunctions. Collected landfill gas will be combusted by the engines except for any excess gas or during engine downtime. Excess landfill gas will be routed to landfill gas flare that is owned and operated by Escambia County. Initially, the landfill gas supply will be sufficient to operate two engines. As the gas collection system is expanded by the County, the gas supply is expected to be sufficient to operate a third engine.

Gulf Power has entered into an agreement with Escambia County, Florida for the purchase of the landfill gas that will supply the facility. This agreement is contingent on Gulf Power receiving Commission approval of full and immediate recovery for all costs

associated with the purchase and operation of the facility. The price for the landfill gas from the county will initially be set at $2.47/MMBTU and will escalate at 3% per year. The term of the agreement is for 20 years and will automatically renew for additional, successive 12 month periods unless terminated by either party.

Gulf Power has entered into an agreement with LFG Technologies Development, LLC for the design, procurement, construction, operation and maintenance of the facility that will be located at the Perdido Landfill in Escambia County, Florida. This agreement is contingent on Gulf Power receiving Commission approval of full and immediate recovery for all costs associated with the purchase and operation of the facility.

Gulf Power has also entered into a land lease with the County for purposes of housing the facility. The term of the lease will run concurrently with that of the Gas Sales Agreement. Gulf Power will pay the County $100 per year as rent under the lease.

Project Cost by Year

Assumptions: **Tax & Book Depreciable Life: 20 years**

Capital Investment: $ 5,018,976

O&M Escalation Percentage: 3%

Year	Fuel Cost	Fixed O&M	Maintenance Outages	Variable O&M	Total Fuel and O&M Cost
2010	347,364	102,386	-	182,353	632,103
2011	610,240	186,939	-	351,673	1,148,852

Year	Fuel Cost	Fixed O&M	Maintenance Outages	Variable O&M	Total Fuel and O&M Cost
2012	628,547	192,547	-	362,224	1,183,318
2013	647,403	198,324	-	373,090	1,218,817
2014	666,826	204,273	318,569	384,283	1,573,951
2015	686,830	210,402	286,334	395,812	1,579,378
2016	707,435	216,714	-	407,686	1,331,835
2017	728,658	223,215	-	419,917	1,371,790
2018	750,518	229,911	-	432,514	1,412,943
2019	773,034	236,809	-	445,489	1,455,332
2020	796,225	243,913	380,387	458,854	1,879,379
2021	820,111	251,230	341,897	472,620	1,885,858
2022	844,715	258,767	-	486,798	1,590,280
2023	870,056	266,530	-	501,402	1,637,988
2024	896,158	274,526	-	516,444	1,687,128
2025	923,042	282,762	-	531,938	1,737,742
2026	950,743	291,245	454,203	547,896	2,244,087
2027	979,256	299,982	408,243	564,333	2,251,814
2028	1,008,633	308,982	-	581,263	1,898,878
2029	1,038,892	318,251	-	598,701	1,955,844
2030	442,682	163,899	-	308,331	914,912

Operation and Maintenance Expense for 2010

Month	Days	Hours	Cap Factor	KWH	Cost
June	30	720	90%	1,995,840	$ 39,916.80
July	31	744	90%	2,062,368	$ 41,247.36
August	31	744	90%	2,062,368	$ 41,247.36
September	30	720	90%	1,995,840	$ 39,916.80
October	31	744	90%	2,062,368	$ 41,247.36
November	30	720	90%	1,995,840	$ 39,916.80
December	31	744	90%	2,062,368	$ 41,247.36
Total 2010		**5136**		**14,236,992**	**$ 284,739.84**

Fuel Cost for the Project : $2.47 per MMBTU (Fuel price escalates at 3% per year)

Total Fuel Cost for 2010

Month	Fuel Cost
June	$ 48,696
July	$ 50,319
August	$ 50,319
September	$ 48,696
October	$ 50,319
November	$ 48,696
December	$ 50,319
Total 2010	**$ 347,364**

Total Annual Net Output: **24,282,720 KWH based on 90% Capacity Factor**

Total Net Generation Output for 2010

Month	Days	Hours	CF	KWH
June	30	720	90%	1,995,840
July	31	744	90%	2,062,368
August	31	744	90%	2,062,368
September	30	720	90%	1,995,840
October	31	744	90%	2,062,368
November	30	720	90%	1,995,840
December	31	744	90%	2,062,368
Total 2010		**5136**		**14,236,992**

Forecast Fuel Cost Savings for the Perdido Landfill Gas Facility

	Perdido Landfill Generation (KWH)	Perdido Landfill Gas Price ($/MMBTU)	Perdido Landfill Forecast Burn @ 9878 BTU/KWH (MMBTU)	Perdido Landfill Forecast Burn Cost ($)	Henry Hub Gas Price Forecast + Transportation ($/MMBTU)	Combined Cycle Gas Burn @ 6874 BTU/KWH (MMBTU)	Combined Cycle Gas Burn Cost ($)	Projected Fuel Savings ($)
2010	14,236,992	$2.470	140,633	$347,364	$6.958	97,865	$680,957	$333,594
2011	24,282,720	$2.544	239,865	$610,240	$7.796	166,919	$1,301,379	$691,139
2012	24,282,720	$2.620	239,865	$628,547	$8.526	166,919	$1,423,109	$794,562
2013	24,282,720	$2.699	239,865	$647,403	$9.171	166,919	$1,530,740	$883,337
2014	24,282,720	$2.780	239,865	$666,826	$9.815	166,919	$1,638,371	$971,546
2015	24,282,720	$2.863	239,865	$686,830	$10.460	166,919	$1,746,002	$1,059,172
2016	24,282,720	$2.949	239,865	$707,435	$10.865	166,919	$1,813,569	$1,106,134
2017	24,282,720	$3.038	239,865	$728,658	$11.270	166,919	$1,881,135	$1,152,477
2018	24,282,720	$3.129	239,865	$750,518	$11.675	166,919	$1,948,702	$1,198,184
2019	24,282,720	$3.223	239,865	$773,034	$12.079	166,919	$2,016,269	$1,243,235
2020	24,282,720	$3.319	239,865	$796,225	$12.484	166,919	$2,083,835	$1,287,611
2021	24,282,720	$3.419	239,865	$820,111	$12.843	166,919	$2,143,801	$1,323,690
2022	24,282,720	$3.522	239,865	$844,715	$13.203	166,919	$2,203,767	$1,359,052
2023	24,282,720	$3.627	239,865	$870,056	$13.562	166,919	$2,263,732	$1,393,676
2024	24,282,720	$3.736	239,865	$896,158	$13.921	166,919	$2,323,698	$1,427,540
2025	24,282,720	$3.848	239,865	$923,042	$14.280	166,919	$2,383,664	$1,460,621
2026	24,282,720	$3.964	239,865	$950,734	$14.479	166,919	$2,416,765	$1,466,031
2027	24,282,720	$4.083	239,865	$979,256	$14.680	166,919	$2,450,362	$1,471,106
2028	24,282,720	$4.205	239,865	$1,008,633	$14.884	166,919	$2,484,464	$1,475,830
2029	24,282,720	$4.331	239,865	$1,038,892	$14.884	166,919	$2,484,464	$1,445,571
TOTAL			**4,698,062**	**$15,674,676**		**3,269,334**	**$39,218,785**	**$23,544,108**

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

FUEL AND PURCHASED POWER COST RECOVERY CLAUSE

Docket No. 090001-EI

PREPARED DIRECT TESTIMONY AND EXHIBIT OF

RICHARD W. DODD

PROJECTION FILING FOR THE PERIOD

JANUARY 2010 – DECEMBER 2010

SEPTEMBER 1, 2009

GULF POWER

A SOUTHERN COMPANY

GULF POWER COMPANY

Before the Florida Public Service Commission
Prepared Direct Testimony and Exhibit of
Richard W. Dodd
Docket No. 090001-EI
Date of Filing: September 1, 2009

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

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

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

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

In 2007 I was promoted to Internal Controls Supervisor and in July 2008, I assumed my current position in the Rates and Regulatory Matters area.

My responsibilities include supervision of tariff administration, cost of service activities, calculation of cost recovery factors, and the regulatory filing function of the Rates and Regulatory Matters Department.

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

A. Yes.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to discuss the calculation of Gulf Power's fuel cost recovery factors for the period January 2010 through December 2010. I will also discuss the calculation of the purchased power capacity cost recovery factors for the period January 2010 through December 2010.

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

A. Yes. My exhibit consists of 16 schedules, each of which was prepared under my direction, supervision, or review.

Counsel: We ask that Mr. Dodd's exhibit consisting of 16 schedules, be marked as Exhibit No. _____(RWD-3).

Q. Mr. Dodd, what is the levelized projected fuel factor for the period January 2010 through December 2010?

A. Gulf has proposed a levelized fuel factor of 5.348¢/kwh. This factor is based on projected fuel and purchased power energy expenses for January 2010 through December 2010 and projected kwh sales for the same period, and includes the true-up and GPIF amounts.

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

A. The projected levelized fuel factor for 2010 is .380¢/kwh less or 6.63 percent lower than the levelized fuel factor in place January 2009 through December 2009.

Q. Please explain the calculation of the fuel and purchased power expense true-up amount included in the levelized fuel factor for the period January 2010 through December 2010.

A. As shown on Schedule E-1A of my exhibit, the true-up amount of $12,343,069 to be collected during 2010 includes an estimated over-recovery for the January through December 2009 period of $36,414,908, plus a final under-recovery for the period January through December 2008 of $48,757,977. The estimated over-recovery for the January through December 2009 period includes 6 months of actual data and 6 months of estimated data as reflected on Schedule E-1B.

Q. What has been included in this filing to reflect the GPIF reward/penalty for the period of January 2008 through December 2008?

A. The GPIF result is shown on Line 34 of Schedule E-1 as an increase of .0010¢/kwh to the levelized fuel factor, thereby rewarding Gulf $113,177.

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

A. A revenue tax factor of 1.00072 has been applied to all jurisdictional fuel costs as shown on Line 32 of Schedule E-1.

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

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

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

A. Gulf proposes a standard fuel factor, adjusted for line losses, of 5.376¢/kwh for Group A. Fuel factors for Groups A, B, C, and D are shown on Schedule E-1E. These factors have all been adjusted for line losses.

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

A. The time-of-use fuel factors were calculated based on projected loads and system lambdas for the period January 2010 through December 2010. These

factors included the GPIF and true-up and were adjusted for line losses. These time-of-use fuel factors are also shown on Schedule E-1E.

Q. How does the proposed fuel factor for Rate Schedule RS compare with the factor applicable to December 2009 and how would the change affect the cost of 1,000 kwh on Gulf's residential rate RS?

A. The current fuel factor for Rate Schedule RS applicable through December 2009 is 5.758¢/kwh compared with the proposed factor of 5.376¢/kwh. For a residential customer who uses 1,000 kwh in January 2010, the fuel portion of the bill would decrease from $57.58 to $53.76.

Q. What amount of cost associated with the Perdido Landfill Gas to Energy Project is included in the projected 2010 fuel costs used to derive the proposed 2010 fuel factors?

A. As calculated on Schedule 12 of my Exhibit RWD-3, $1,258,514 has been included as recoverable cost for this project. This amount is included on Schedule E-1, line 4. The monthly amounts are presented on Schedule E-2, line 1b and Schedule E-4, line 17.

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

A. Yes. A tabulation of these costs is set forth in Schedule E-11 of my exhibit. These costs represent the estimated averages for the period from January 2010 through December 2010.

Q. What amount have you calculated to be the appropriate benchmark level for calendar year 2010 gains on non-separated wholesale energy sales eligible for a shareholder incentive?

A. In accordance with Order No. PSC-00-1744-AAA-EI, a benchmark level of $1,542,406 has been calculated for 2010 as follows:

2007 actual gains	2,599,491
2008 actual gains	1,228,671
2009 estimated gains	799,057
Three-Year Average	$1,542,406

This amount represents the minimum projected threshold for 2010 that must be achieved before shareholders may receive any incentive. As demonstrated on Schedule E-6, page 2 of 2, Gulf's projection reflects a credit to customers of 100 percent of the gains on non-separated sales for 2010 for the months of January through December.

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

A. Schedule CCE-1, including CCE-1A and CCE-1B, Schedule CCE-2, and Schedule CCE-4 of my exhibit relate to the calculation of the PPCC recovery factors for the period January 2010 through December 2010.

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

A. Schedule CCE-1 shows the calculation of the amount of capacity payments to be recovered through the PPCC Recovery Clause. Mr. Ball has provided me with Gulf's projected purchased power capacity transactions. Gulf's total projected net capacity expense, which includes a credit for transmission revenue, for the period January 2010 through December 2010 is $48,729,557. The jurisdictional amount is $46,985,819. This amount is added to the total true-up amount to determine the total purchased power capacity transactions that would be recovered in the period.

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

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

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

A. The allocation factors used in the PPCC Recovery Clause have been calculated using the 2006 load data filed with the Commission in accordance

with FPSC Rule 25-6.0437. The calculations of the allocation factors are shown in columns A through I on page 1 of Schedule CCE-2.

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

A. As shown in columns A through D on page 2 of Schedule CCE-2, 12/13th of the jurisdictional capacity cost to be recovered is allocated by rate class based on the demand allocator. The remaining 1/13th is allocated based on energy. The total revenue requirement assigned to each rate class shown in column E is then divided by that class's projected kwh sales for the twelve-month period to calculate the PPCC recovery factor. This factor would be applied to each customer's total kwh to calculate the amount to be billed each month.

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

A. The purchased power capacity costs recovered through the clause for a residential customer who uses 1,000 kwh will be $5.02.

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

A. The fuel and capacity factors will be effective beginning with Cycle 1 billings in January 2010 and continuing through the last billing cycle of December 2010.

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

A. Yes.

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 090001-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 & Regulatory Matters of 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.

R. W. Dodd
Rates & Regulatory Matters Supervisor

Sworn to and subscribed before me
this 31st day of August, 2009

Candace H. Klinglesmith
Notary Public, State of Florida at Large

(SEAL)

CANDACE KLINGLESMITH
MY COMMISSION # DD 664104
EXPIRES: May 18, 2011
Bonded Thru Notary Public Underwriters

SCHEDULE E-1

FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
GULF POWER COMPANY
PROPOSED FOR THE PERIOD: JANUARY 2010 - DECEMBER 2010

Line				(a) $	(b) KWH	(c) ¢ / KWH
1	Fuel Cost of System Net Generation		E-3	670,236,689	13,979,791,000	4.7943
2	Coal Car Investment					
3	Other Generation		E-3	5,113,363	98,315,000	5.2010
4	Perdido Landfill		E-3	1,258,514	14,236,000	8.8404
5	Hedging Settlement		E-2			
6	**Total Cost of Generated Power**	(Line 1 - 5)		676,608,566	14,092,342,000	4.8012
7	Fuel Cost of Purchased Power (Exclusive of Economy)		E-7			
8	Energy Cost of Schedule C & X Econ. Purch.		E-9			
9	Energy Cost of Other Econ. Purch. (Nonbroker)		E-9	49,710,000	1,207,501,000	4.1168
10	Energy Cost of Schedule E Economy Purch.		E-9			
11	PPA Energy Savings		E-9	(13,000,000)	0	N/A
12	Capacity Cost of Schedule E Economy Purchases		E-2			
13	Energy Payments to Qualifying Facilities		E-8			
14	**Total Cost of Purchased Power**	(Line 7 - 13)		36,710,000	1,207,501,000	3.0402
15	**Total Available KWH**	(Line 6 + 14)			15,299,843,000	
16	Fuel Cost of Economy Sales		E-6	(2,399,000)	(60,199,000)	3.9851
17	Gain on Economy Sales		E-6	(287,000)	0	N/A
18	Fuel Cost of Unit Power Sales / Separated Sales		E-6	(46,468,000)	(1,504,414,000)	3.0888
19	Fuel Cost of Other Power Sales		E-6	(55,790,000)	(1,365,947,000)	4.0843
20	**Total Fuel Cost & Gains on Power Sales**	(Line 16 -19)		(104,944,000)	(2,930,560,000)	3.5810
21	Net Inadvertant Interchange					
22	**Total Fuel & Net Power Trans.**	(Line 6+14+20+21)		608,374,566	12,369,283,000	4.9184
23	Net Unbilled Sales *					
24	Company Use *			937,890	19,069,000	4.9184
25	T & D Losses *			35,259,173	716,883,000	4.9184
26	**System KWH Sales**			608,374,566	11,633,331,000	5.2296
27	Wholesale KWH Sales			20,537,319	392,713,000	5.2296
28	Jurisdictional KWH Sales			587,837,247	11,240,618,000	5.2296
28a	Jurisdictional Line Loss Multiplier			1.0007		1.0007
29	Jurisdictional KWH Sales Adjusted for Line Losses			588,248,733	11,240,618,000	5.2332
30	**True-Up ****			12,343,069	11,240,618,000	0.1098
31	**Total Jurisdictional Fuel Cost**			600,591,802	11,240,618,000	5.3430
32	Revenue Tax Factor					1.00072
33	Fuel Factor Adjusted For Revenue Taxes			601,024,228	11,240,618,000	5.3469
34	GPIF Reward/(Penalty) **			113,177	11,240,618,000	0.0010
35	Fuel Factor Adjusted for GPIF			601,137,405	11,240,618,000	5.3479
36	**Fuel Factor Rounded to Nearest .001(¢ / KWH)**					**5.348**

*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 2010 - DECEMBER 2010

1.	Estimated over/(under)-recovery, JANUARY - DECEMBER 2009 (Sch. E-1B, page 2, line C9)	$36,414,908
2.	Final over/(under)-recovery JANUARY - DECEMBER 2008 (EXHIBIT No.____(RWD-1) Schedule 1, line 3)	(48,757,977)
3.	Total over/(under)-recovery (Lines 1 + 1A + 2) To be included in JANUARY 2010 - DECEMBER 2010 (Schedule E1, Line 30)	($12,343,069)
4.	Jurisdictional KWH sales FOR THE PERIOD: JANUARY - DECEMBER 2010	11,240,618,000
5.	True-up Factor (Line 3 / Line 4) x 100 (¢ / KWH)	0.1098

CALCULATION OF ESTIMATED TRUE-UP
GULF POWER COMPANY
ACTUAL FOR THE PERIOD JANUARY 2009 - JUNE 2009 / ESTIMATED FOR JULY 2009 - DECEMBER 2009

				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		38,807,601.18	30,213,099.12	32,110,511.86	40,821,730.81	47,999,708.94	44,780,283.70	$234,732,935.61
	1a	Fuel Cost of Hedging Settlement		3,803,955.00	4,173,375.00	3,233,845.00	4,448,560.00	3,920,849.00	5,652,830.00	25,233,414.00
	2	Fuel Cost of Power Sold		(5,383,517.54)	(3,548,358.20)	(3,316,500.35)	(7,435,302.51)	(5,945,289.74)	(3,570,991.69)	(29,199,960.03)
	3	Fuel Cost of Purchased Power		4,441,832.08	7,623,480.57	3,817,197.79	1,487,485.68	2,145,378.31	9,275,775.32	28,791,149.75
	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		470,949.00	524,577.00	604,589.00	291,315.00	16,017.00	362,096.00	2,269,543.00
	4	Energy Cost of Economy Purchases		0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5	Other Generation		201,574.82	195,677.39	160,783.13	176,952.13	232,004.58	271,350.72	1,238,342.77
	6	Adjustments to Fuel Cost *		67,726.12	53,326.61	35,416.10	28,692.12	58,560.22	1,867.98	245,589.15
	7	TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Thru A6)		$42,410,120.66	$39,235,177.49	$36,645,842.53	$39,819,433.23	$48,427,228.31	$56,773,212.03	$263,311,014.25
B	1	Jurisdictional KWH Sales		840,942,442	748,132,497	754,313,308	778,555,716	925,257,949	1,174,340,944	5,221,542,856
	2	Non-Jurisdictional KWH Sales		31,682,137	27,827,610	26,339,621	25,396,931	30,492,922	37,935,600	179,674,821
	3	TOTAL SALES (Lines B1 + B2)		872,624,579	775,960,107	780,652,929	803,952,647	955,750,871	1,212,276,544	5,401,217,677
	4	Jurisdictional % Of Total Sales (Line B1/B3)		96.3693%	96.4138%	96.6259%	96.8410%	96.8095%	96.8707%	
C	1	Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	(1)	$48,077,504.05	$42,818,981.87	$43,124,951.34	$44,528,871.28	$52,938,340.31	$67,312,519.45	$298,801,168.30
	2	True-Up Provision		(3,997,794.08)	(3,997,794.08)	(3,997,794.08)	(3,997,794.08)	(3,997,794.08)	(3,997,794.08)	(23,986,764.48)
	2a	Incentive Provision		36,114.41	36,114.41	36,114.41	36,114.41	36,114.41	36,114.41	216,686.46
	3	FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Thru C2a)		$44,115,824.38	$38,857,302.20	$39,163,271.67	$40,567,191.61	$48,976,660.64	$63,350,839.78	$275,031,090.28
	4	Fuel & Net Power Transactions (Line A7)		$42,410,120.66	$39,235,177.49	$36,645,842.53	$39,819,433.23	$48,427,228.31	$56,773,212.03	$263,311,014.25
	5	Jurisdictional Fuel Cost Adj. for Line Losses (Line A7 x Line B4 x 1.0007)		40,898,945.64	37,854,605.24	35,434,161.72	38,588,530.41	46,914,975.10	55,035,105.53	$254,726,323.64
	6	Over/(Under) Recovery (Line C3-C5)		3,216,878.74	1,002,696.96	3,729,109.95	1,978,661.20	2,061,685.54	8,315,734.25	$20,304,766.64
	7	Interest Provision	(2)	(51,590.79)	(55,897.77)	(43,772.13)	(29,285.18)	(19,845.43)	(15,934.02)	($216,325.32)
	8	Adjustments		0	0	0	0	0	0	$0.00
	9	**TOTAL ESTIMATED TRUE-UP FOR THE PERIOD JANUARY 2009 - JUNE 2009**								$20,088,441.32

* (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 2009 Fuel Factor excluding revenue taxes of 5.7239 ¢/KWH
Note 2: Interest Calculated for July through December at June 2009 monthly rate of 0.0292%

CALCULATION OF ESTIMATED TRUE-UP
GULF POWER COMPANY
ACTUAL FOR THE PERIOD JANUARY 2009 - JUNE 2009 / ESTIMATED FOR JULY 2009 - DECEMBER 2009

			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	57,548,957.00	57,913,805.00	54,215,861.00	43,916,756.00	46,615,775.00	57,839,963.00	$552,784,052.61
	1a	Fuel Cost of Hedging Settlement	6,493,000.00	4,172,000.00	2,479,000.00	2,649,000.00	2,267,000.00	1,564,000.00	$44,857,414.00
	2	Fuel Cost of Power Sold	(10,573,000.00)	(10,594,000.00)	(10,703,000.00)	(8,862,000.00)	(11,043,000.00)	(12,182,000.00)	($93,156,960.03)
	3	Fuel Cost of Purchased Power	5,918,000.00	5,400,000.00	4,418,000.00	3,785,000.00	1,891,000.00	1,879,000.00	$52,082,149.75
	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	$2,269,543.00
	4	Energy Cost of Economy Purchases	0.00	0.00	0.00	0.00	0.00	0.00	$0.00
	5	Other Generation	427,756.00	427,756.00	413,996.00	481,225.00	465,745.00	534,695.00	$3,989,515.77
	6	Adjustments to Fuel Cost *	0.00	0.00	0.00	0.00	0.00	0.00	$245,589.15
	7	TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Thru A6)	$59,814,713.00	$57,319,561.00	$50,823,857.00	$41,969,981.00	$40,196,520.00	$49,635,658.00	$563,071,304.25
B	1	Jurisdictional KWH Sales	1,155,743,000	1,152,972,000	988,922,000	849,588,000	750,196,000	867,182,000	10,986,145,856
	2	Non-Jurisdictional KWH Sales	38,430,000	39,237,000	33,510,000	30,314,000	28,125,000	32,132,000	381,422,821
	3	TOTAL SALES (Lines B1 + B2)	1,194,173,000	1,192,209,000	1,022,432,000	879,902,000	778,321,000	899,314,000	11,367,568,677
	4	Jurisdictional % Of Total Sales (Line B1/B3)	96.7819%	96.7089%	96.7225%	96.5548%	96.3865%	96.4271%	
C	1	Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes) (1)	$66,153,573.58	$65,994,964.31	$56,604,906.36	$48,629,567.53	$42,940,468.84	$49,636,630.50	$628,761,279.42
	2	True-Up Provision	(3,997,794.08)	(3,997,794.08)	(3,997,794.08)	(3,997,794.08)	(3,997,794.08)	(3,997,794.12)	($47,973,529.00)
	2a	Incentive Provision	36,114.41	36,114.41	36,114.41	36,114.41	36,114.41	36,114.46	$433,372.97
	3	FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Thru C2a)	$62,191,893.91	$62,033,284.64	$52,643,226.69	$44,667,887.86	$38,978,789.17	$45,674,950.84	$581,221,123.39
	4	Fuel & Net Power Transactions (Line A7)	$59,814,713.00	$57,319,561.00	$50,823,857.00	$41,969,981.00	$40,196,520.00	$49,635,658.00	$563,071,304.25
	5	Jurisdictional Fuel Cost Adj. for Line Losses (Line A7 x Line B4 x 1.0007)	57,930,338.59	55,471,920.11	49,192,515.76	40,552,398.04	38,771,139.56	47,895,729.13	$544,540,364.83
	6	Over/(Under) Recovery (Line C3-C5)	4,261,555.32	6,561,364.53	3,450,710.93	4,115,489.82	207,649.61	(2,220,778.29)	$36,680,758.56
	7	Interest Provision (2)	(14,169.78)	(11,426.41)	(8,800.63)	(6,531.18)	(4,734.55)	(3,862.49)	($265,850.36)
	8	Adjustments	0	0	0	0	0	0	$0.00
	9	**TOTAL ESTIMATED TRUE-UP FOR THE PERIOD JANUARY 2009 - DECEMBER 2009**							$36,414,908.20

* (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 2009 Fuel Factor excluding revenue taxes of 5.7239 ¢/KWH
Note 2: Interest Calculated for July through December at June 2009 monthly rate of 0.0292%

SCHEDULE E-1B-1

COMPARISON OF ESTIMATED/ACTUAL VERSUS ORIGINAL PROJECTIONS
OF THE FUEL AND PURCHASED POWER COST RECOVERY FACTOR
GULF POWER COMPANY
ACTUAL FOR THE PERIOD JANUARY 2009 - JUNE 2009 / ESTIMATED FOR JULY 2009 - DECEMBER 2009

		DOLLARS				KWH				¢/KWH			
		ESTIMATED/ ACTUAL	ESTIMATED/ ORIGINAL	DIFFERENCE AMOUNT	%	ESTIMATED/ ACTUAL	ESTIMATED/ ORIGINAL	DIFFERENCE AMOUNT	%	ESTIMATED/ ACTUAL	ESTIMATED/ ORIGINAL	DIFFERENCE AMT.	%
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
1	Fuel Cost of System Net Generation	552,784,053	812,208,413	(259,424,360)	(31.94)	13,765,691,600	16,213,300,000	(2,447,608,400)	(15.10)	4.0157	5.0095	(0.9938)	(19.84)
1a	Fuel Cost of Hedging Settlement	44,857,414	0	44,857,414	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	3,989,516	6,322,495	(2,332,979)	(36.90)	80,022,500	112,540,000	(32,517,500)	(28.89)	4.9855	5.6180	(0.6325)	(11.26)
5	Adjustments to Fuel Cost ***	245,589	0	245,589	100.00								
6	TOTAL COST OF GENERATED POWER	601,876,572	818,530,908	(216,654,336)	(26.47)	13,845,714,100	16,325,840,000	(2,480,125,900)	(15.19)	4.3470	5.0137	(0.6667)	(13.30)
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)	52,082,150	98,871,000	(46,788,850)	(47.32)	1,688,697,302	1,131,523,000	557,174,302	49.24	3.0842	8.7379	(5.6537)	(64.70)
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	Energy Payments to Qualifying Facilities	2,269,543	0	2,269,543	100.00	39,719,000	0	39,719,000	100.00	5.7140	0.0000	5.7140	100.00
13	TOTAL COST OF PURCHASED POWER	54,351,693	98,871,000	(44,519,307)	(45.03)	1,728,416,302	1,131,523,000	596,893,302	52.75	3.1446	8.7379	(5.5933)	(64.01)
14	Total Available KWH (Line 6 + Line 13)	656,228,264	917,401,908	(261,173,644)	(28.47)	15,574,130,402	17,457,363,000	(1,883,232,598)	(10.79)				
15	Fuel Cost of Economy Sales	(2,907,382)	(21,688,000)	18,780,618	(86.59)	(67,180,491)	(266,600,000)	199,419,509	(74.80)	4.3277	8.1350	(3.8073)	(46.80)
16	Gain on Economy Sales	(799,057)	(2,321,000)	1,521,943	(65.57)	0	0	0	0.00	#N/A	#N/A	#N/A	#N/A
17	Fuel Cost of Unit Power Sales	(34,613,729)	(50,109,000)	15,495,271	(30.92)	(1,515,473,172)	(1,644,994,000)	129,520,828	(7.87)	2.2840	3.0462	(0.7622)	(25.02)
18	Fuel Cost of Other Power Sales	(54,836,797)	(185,115,000)	130,278,203	(70.38)	(1,909,595,671)	(2,388,917,000)	479,321,329	(20.06)	2.8716	7.7489	(4.8773)	(62.94)
19	TOTAL FUEL COST AND GAINS ON POWER SALES (LINES 15+16+17+18)	(93,156,965)	(259,233,000)	166,076,035	(64.06)	(3,492,249,334)	(4,300,511,000)	808,261,666	(18.79)	2.6675	6.0280	(3.3605)	(55.75)
20	Net Inadvertent Interchange	0	0	0	0.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
21	**TOTAL FUEL & NET POWER TRANSACTIONS** (LINES 6+13+19+20)	563,071,299	656,168,908	(95,097,609)	(14.45)	12,081,881,068	13,156,852,000	(1,074,970,932)	(8.17)	4.6605	5.0025	(0.3420)	(6.84)
22	Net Unbilled Sales	0	0	0	0.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
23	Company Use *	975,031	1,243,071	(268,040)	(21.56)	20,921,163	24,849,000	(3,927,836)	(15.81)	4.6605	5.0025	(0.3420)	(6.84)
24	T & D Losses *	32,315,494	38,194,738	(5,879,244)	(15.39)	693,391,129	763,513,000	(70,121,872)	(9.18)	4.6605	5.0025	(0.3420)	(6.84)
25	TERRITORIAL (SYSTEM) SALES	563,071,299	658,168,908	(95,097,609)	(14.45)	11,367,568,777	12,368,490,000	(1,000,921,223)	(8.09)	4.9533	5.3213	(0.3680)	(6.92)
26	Wholesale Sales	18,911,846	22,984,344	(4,072,498)	(17.72)	381,422,821	431,931,000	(50,508,179)	(11.69)	4.9582	5.3213	(0.3631)	(6.82)
27	Jurisdictional Sales	544,159,453	635,184,564	(91,025,111)	(14.33)	10,986,145,956	11,936,559,000	(950,413,044)	(7.96)	4.9531	5.3213	(0.3682)	(6.92)
27a	Jurisdictional Loss Multiplier	1.0007	1.0007										
28	Jurisdictional Sales Adj. for Line Losses (Line 27 x 1.0007)	544,540,365	635,629,193	(91,088,828)	(14.33)	10,986,145,956	11,936,559,000	(950,413,044)	(7.96)	4.9566	5.3251	(0.3685)	(6.92)
29	TRUE-UP **	47,973,529	47,973,529	0	0.00	10,986,145,956	11,936,559,000	(950,413,044)	(7.96)	0.4367	0.4019	0.0348	8.66
30	TOTAL JURISDICTIONAL FUEL COST	592,513,894	683,602,722	(91,088,828)	(13.32)	10,986,145,956	11,936,559,000	(950,413,044)	(7.96)	5.3933	5.7270	(0.3337)	(5.83)
31	Revenue Tax Factor									1.00072	1.00072		
32	Fuel Factor Adjusted for Revenue Taxes									5.3972	5.7311	(0.3339)	(5.83)
33	GPIF Reward / (Penalty) **	(433,685)	(433,685)	0	0.00	10,986,145,956	11,936,559,000	(950,413,044)	(7.96)	(0.0039)	(0.0036)	(0.0003)	(8.33)
34	Fuel Factor Adjusted for GPIF Reward / (Penalty)									5.3933	5.7275	(0.3342)	(5.84)
35	**FUEL FACTOR ROUNDED TO NEAREST .001(CENTS/KWH)**									5.3930	5.7280	(0.3350)	(5.85)

* 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 2010 - DECEMBER 2010

1.	TOTAL AMOUNT OF ADJUSTMENTS:		
	A. Generating Performance Incentive Reward/(Penalty)	$	113,177
	B. True-Up (Over)/Under Recovered	$	12,343,069
2.	Jurisdictional KWH sales FOR THE PERIOD: JANUARY - DECEMBER 2010		11,240,618,000
3.	ADJUSTMENT FACTORS:		
	A. Generating Performance Incentive Factor		0.0010
	B. True-Up Factor		0.1098

SCHEDULE E-1D

DETERMINATION OF FUEL RECOVERY FACTOR
TIME OF USE RATE SCHEDULES
GULF POWER COMPANY
PROPOSED FOR THE PERIOD: JANUARY 2010 - DECEMBER 2010

		NET ENERGY FOR LOAD %
	On-Peak	42.95
	Off-Peak	57.05
		100.00

	AVERAGE	ON-PEAK	OFF-PEAK
Cost per KWH Sold	5.2296	5.7281	4.8543
Jurisdictional Loss Factor	1.0007	1.0007	1.0007
Jurisdictional Fuel Factor	5.2333	5.7321	4.8577
GPIF	0.0010	0.0010	0.0010
True-Up	0.1098	0.1098	0.1098
TOTAL	5.3441	5.8429	4.9685
Revenue Tax Factor	1.00072	1.00072	1.00072
Recovery Factor	5.3479	5.8471	4.9721
Recovery Factor Rounded to the Nearest .001 ¢/KWH	5.348	5.847	4.972

HOURS:	ON-PEAK	25.18%
	OFF-PEAK	74.82%
		100.00%

SCHEDULE E-1E

FUEL RECOVERY FACTORS - BY RATE GROUP
(ADJUSTED FOR LINE/TRANSFORMATION LOSSES)
GULF POWER COMPANY
PROPOSED FOR THE PERIOD: JANUARY 2010 - DECEMBER 2010

Group	Rate Schedules	Average Factor	Fuel Recovery Loss Multipliers	Standard Fuel Recovery Factor
A	RS, RSVP, GS, GSD, GSDT, GSTOU, OSIII, SBS (1)	5.348	1.00526	5.376
B	LP, LPT, SBS (2)	5.348	0.98890	5.289
C	PX, PXT, RTP, SBS (3)	5.348	0.98063	5.244
D	OS-I/II	5.348	1.00529	5.219 *

		TOU
A	On-Peak	5.878
	Off-Peak	4.998
B	On-Peak	5.782
	Off-Peak	4.917
C	On-Peak	5.734
	Off-Peak	4.876
D	On-Peak	N/A
	Off-Peak	N/A

Group D Calculation

* D	On-Peak	5.847	¢ / KWH	x	0.2518	=	1.472	¢ / KWH
	Off-Peak	4.972	¢ / KWH	x	0.7482	=	3.720	¢ / KWH
							5.192	¢ / KWH
			Line Loss Multiplier			x	1.00529	
							5.219	¢ / 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 2010 - DECEMBER 2010

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	46,661,432	42,937,522	49,303,217	54,520,110	60,229,366	61,189,302	66,657,887	66,849,632	60,451,006	61,206,053	49,140,151	51,091,012	670,236,689
1a	Other Generation	557,807	503,977	502,053	485,877	502,053	328,079	339,001	339,001	328,079	394,808	382,065	450,563	5,113,363
1b	Perdido Landfill	21,815	26,732	32,491	38,514	44,066	146,000	159,627	159,429	156,280	159,035	155,884	158,641	1,258,514
2	Fuel Cost of Power Sold	(6,619,000)	(7,660,000)	(9,578,000)	(10,122,000)	(9,365,000)	(8,508,000)	(9,379,000)	(9,183,000)	(8,676,000)	(10,871,000)	(7,899,000)	(7,084,000)	(104,944,000)
3	Fuel Cost of Purchased Power	6,321,000	2,008,000	2,385,000	444,000	885,000	3,826,000	5,430,000	5,319,000	3,418,000	829,000	2,325,000	3,520,000	36,710,000
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)	46,943,054	37,816,231	42,644,761	45,366,501	52,295,485	56,981,381	63,207,515	63,484,062	55,677,365	51,717,896	44,104,100	48,136,216	608,374,566
7	System KWH Sold	962,106,000	825,122,000	839,353,000	847,798,000	1,006,814,000	1,104,195,000	1,198,422,000	1,206,014,000	1,031,090,000	893,848,000	804,794,000	913,775,000	11,633,331,000
7a	Jurisdictional % of Total Sales	96.4694	96.5474	96.5266	96.7406	96.7445	96.7402	96.7506	96.7048	96.7034	96.5534	96.4464	96.4303	96.6242
8	Cost per KWH Sold (¢/KWH)	4.8792	4.5831	5.0807	5.3511	5.1942	5.1604	5.2742	5.2640	5.3999	5.7860	5.4802	5.2678	5.2296
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)	4.8826	4.5863	5.0843	5.3548	5.1978	5.1640	5.2779	5.2677	5.4037	5.7901	5.4840	5.2715	5.2334
9	GPIF (¢/KWH) *	0.0010	0.0012	0.0012	0.0011	0.0010	0.0009	0.0008	0.0008	0.0009	0.0011	0.0012	0.0011	0.0010
10	True-Up (¢/KWH) *	0.1108	0.1291	0.1270	0.1254	0.1056	0.0963	0.0887	0.0882	0.1032	0.1192	0.1325	0.1167	0.1098
11	TOTAL	4.9944	4.7166	5.2125	5.4813	5.3044	5.2612	5.3674	5.3567	5.5078	5.9104	5.6177	5.3893	5.3442
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	4.9980	4.7200	5.2163	5.4852	5.3082	5.2650	5.3713	5.3606	5.5118	5.9147	5.6217	5.3932	5.3480
14	**Recovery Factor Rounded to the Nearest .001 ¢/KWH**	4.998	4.720	5.216	5.485	5.308	5.265	5.371	5.361	5.512	5.915	5.622	5.393	5.348

* CALCULATIONS BASED ON JURISDICTIONAL KWH SALES

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2010 - DECEMBER 2010

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	FUEL COST - NET GEN. ($)													
1	LIGHTER OIL (B.L.)	26,358	23,105	25,229	49,576	26,007	33,895	25,001	22,605	29,801	27,749	23,981	28,435	341,742
2	COAL excluding Scherer	42,386,514	36,629,623	38,469,888	40,713,804	46,149,946	48,810,028	52,931,035	54,634,040	50,770,260	52,796,591	44,029,026	46,435,351	554,756,105
3	COAL at Scherer	3,175,756	2,887,551	3,179,267	2,975,415	3,213,863	3,107,664	3,235,783	3,195,930	1,771,939	0	0	1,997,159	28,740,327
4	GAS - Generation	1,630,611	3,901,220	8,130,886	11,267,192	11,341,603	9,565,794	10,805,069	9,336,058	8,207,085	8,776,521	5,469,209	3,080,630	91,511,878
5	GAS (B.L.)	0	0	0	0	0	0	0	0	0	0	0	0	0
6	LANDFILL GAS	21,815	26,732	32,491	38,514	44,066	146,000	159,627	159,429	156,280	159,035	155,884	158,641	1,258,514
7	OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
8	TOTAL ($)	47,241,054	43,468,231	49,837,761	55,044,501	60,775,485	61,663,381	67,156,515	67,348,062	60,935,365	61,759,896	49,678,100	51,700,216	676,608,566
	SYSTEM NET GEN. (MWH)													
9	LIGHTER OIL (B.L.)	0	0	0	0	0	0	0	0	0	0	0	0	0
10	COAL excluding Scherer	921,040	819,726	804,719	833,491	955,187	977,520	1,049,843	1,068,675	998,903	1,034,466	868,562	910,482	11,242,614
11	COAL at Scherer	141,817	128,801	140,785	131,885	141,419	104,001	108,615	107,867	57,274	0	0	65,210	1,127,674
12	GAS	10,725	95,350	160,061	202,450	221,811	179,981	210,787	189,210	149,110	135,100	92,246	60,987	1,707,818
13	LANDFILL GAS	0	0	0	0	0	1,996	2,062	2,062	1,996	2,062	1,996	2,062	14,236
14	OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
15	TOTAL (MWH)	1,073,582	1,043,877	1,105,565	1,167,826	1,318,417	1,263,498	1,371,307	1,367,814	1,207,283	1,171,628	962,804	1,038,741	14,092,342
	UNITS OF FUEL BURNED													
16	LIGHTER OIL (BBL)	360	314	341	669	350	457	337	304	401	374	323	383	4,612
17	COAL excl. Scherer (TON) (1)	419,656	372,668	366,710	385,091	448,609	458,546	489,309	501,493	463,732	478,099	400,892	420,917	5,205,722
18	GAS-all (MCF) (2)	24,930	496,357	1,117,982	1,587,156	1,580,155	1,326,920	1,475,850	1,253,229	1,085,654	1,135,424	652,785	321,190	12,057,632
19	OIL - C.T. (BBL)	0	0	0	0	0	0	0	0	0	0	0	0	0
	BTU'S BURNED (MMBTU)													
20	COAL + GAS B.L. + OIL B.L.	11,025,072	9,833,356	9,995,769	10,177,847	11,583,184	11,798,947	12,577,678	12,826,701	11,332,588	10,864,658	9,079,555	10,418,297	131,513,652
21	GAS-Generation (2)	25,678	511,248	1,151,522	1,634,771	1,627,560	1,366,728	1,520,126	1,290,826	1,118,224	1,169,487	672,369	330,826	12,419,365
22	OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
23	TOTAL (MMBTU)	11,050,750	10,344,604	11,147,291	11,812,618	13,210,744	13,165,675	14,097,804	14,117,527	12,450,812	12,034,145	9,751,924	10,749,123	143,933,017

(1)Excludes Plant Scherer. Coal statistics for Plant Scherer are reported in BTUs and $ only.

(2) Data excludes 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 2010 - DECEMBER 2010

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	GENERATION MIX (% MWH)													
24	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
25	COAL	99.00	90.87	85.52	82.66	83.18	85.60	84.48	86.02	87.48	88.29	90.21	93.93	87.78
26	GAS-Generation	1.00	9.13	14.48	17.34	16.82	14.24	15.37	13.83	12.35	11.53	9.58	5.87	12.12
27	LANDFILL GAS	0.00	0.00	0.00	0.00	0.00	0.16	0.15	0.15	0.17	0.18	0.21	0.20	0.10
28	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
29	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													
30	LIGHTER OIL ($/BBL)	73.27	73.68	73.93	74.14	74.20	74.25	74.27	74.27	74.28	74.29	74.29	74.29	74.11
31	COAL ($/TON) (1)	101.00	98.29	104.91	105.73	102.87	106.45	108.18	108.94	109.48	110.43	109.83	110.32	106.57
32	GAS + B.L. ($/MCF) (2)	43.03	6.64	6.82	6.79	6.86	6.96	7.09	7.18	7.26	7.38	7.79	8.19	7.17
33	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													
34	COAL + GAS B.L. + OIL B.L.	4.13	4.02	4.17	4.30	4.26	4.40	4.47	4.51	4.64	4.86	4.85	4.65	4.44
35	GAS-Generation (2)	41.78	6.65	6.62	6.60	6.66	6.76	6.89	6.97	7.05	7.17	7.57	7.95	6.96
36	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
37	TOTAL ($/MMBTU)	4.22	4.15	4.43	4.62	4.56	4.66	4.74	4.75	4.87	5.10	5.06	4.77	4.67
	BTU BURNED BTU / KWH													
38	COAL + GAS B.L. + OIL B.L.	10,373	10,367	10,572	10,543	10,563	10,910	10,857	10,902	10,730	10,503	10,454	10,678	10,631
39	GAS-Generation (2)	0	5,968	7,656	8,466	7,671	7,870	7,442	7,066	7,831	9,172	7,920	6,323	7,716
40	OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
41	TOTAL (BTU/KWH)	10,397	10,003	10,172	10,197	10,094	10,472	10,330	10,371	10,367	10,338	10,207	10,435	10,285
	FUEL COST CENTS / KWH													
42	COAL + GAS B.L. + OIL B.L.	4.60	4.47	4.78	4.89	4.83	5.00	5.04	5.11	5.09	5.11	5.07	5.10	4.94
43	COAL at Scherer	2.24	2.24	2.26	2.26	2.27	2.99	2.98	2.96	3.09	0.00	0.00	3.06	2.55
44	GAS-Generation	15.20	4.09	5.08	5.57	5.11	5.31	5.13	4.93	5.50	6.50	5.93	5.05	5.36
45	LANDFILL GAS	0.00	0.00	0.00	0.00	0.00	7.31	7.74	7.73	7.83	7.71	7.81	7.69	8.84
46	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
47	TOTAL (¢/KWH)	4.40	4.16	4.51	4.71	4.61	4.88	4.90	4.92	5.05	5.27	5.16	4.98	4.80

(1)Excludes Plant Scherer. Coal statistics for Plant Scherer are reported in BTUs and $ only.

(2) Data excludes 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 2010

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	38,872	69.7	79.8	87.3	10,598	Coal	17,513	11,762	411,968	1,912,933	4.92	109.23
2	4							Gas - G						
3	Crist 5	75.0	41,516	74.4	85.9	86.6	10,467	Coal	18,473	11,762	434,552	2,017,802	4.86	109.23
4	5							Gas - G						
5	Crist 6	291.0	124,083	57.3	83.6	68.6	11,022	Coal	58,138	11,762	1,367,647	6,350,541	5.12	109.23
6	6							Gas - G						
7	Crist 7	465.0	235,962	68.2	74.2	91.9	10,459	Coal	104,911	11,762	2,467,924	11,459,575	4.86	109.23
8	7							Gas - G						
9	Scherer 3 (2)	52.6	141,817	362.2	96.0	377.3	10,141	Coal	84,148	8,545	1,438,145	3,175,756	2.24	37.74
10	Scholz 1	46.0	3,779	11.0	95.0	11.6	12,781	Coal	1,973	12,242	48,301	262,514	6.95	133.05
11	Scholz 2	46.0	3,869	11.3	95.0	11.9	4,376	Coal	691	12,242	16,930	92,015	2.38	133.16
12	Smith 1	162.0	109,253	90.6	98.9	91.7	10,247	Coal	47,618	11,755	1,119,520	5,375,156	4.92	112.88
13	Smith 2	195.0	117,221	80.8	97.6	82.8	10,405	Coal	51,879	11,755	1,219,689	5,856,098	5.00	112.88
14	Smith 3	584.0	0	0.0	3.0	0.0	N/A	Gas	24,930	1,030	25,678	1,072,804	N/A	43.03
15	Smith A (CT)	40.0	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		10,725				N/A	Gas				557,807	5.20	N/A
17	Perdido Landfill		0				N/A	Landfill Gas				21,815	N/A	N/A
18	Daniel 1 (1)	127.5	101,264	106.8	71.4	149.5	10,521	Coal	50,517	10,545	1,065,394	3,863,581	3.82	76.48
19	Daniel 2 (1)	127.5	145,221	153.1	89.7	170.7	9,867	Coal	67,943	10,545	1,432,896	5,196,299	3.58	76.48
20	Gas,BL							Gas	0	0	0	0	N/A	N/A
21	Ltr. Oil							Oil	360	139,400	2,106	26,358	N/A	73.27
22		2,286.6	1,073,582	63.1	64.0	98.6	10,397				11,050,750	47,241,054	4.40	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents Gulf's 25% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: FEBRUARY 2010

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	43,416	86.1	99.0	87.0	10,609	Coal	19,536	11,789	460,604	2,045,028	4.71	104.68
2	4							Gas - G						
3	Crist 5	75.0	34,472	68.4	81.0	84.4	10,495	Coal	15,345	11,789	361,788	1,606,297	4.66	104.68
4	5							Gas - G						
5	Crist 6	291.0	86,552	44.3	65.2	67.9	10,798	Coal	39,639	11,789	934,583	4,149,444	4.79	104.68
6	6							Gas - G						
7	Crist 7	465.0	264,626	84.7	92.1	91.9	10,458	Coal	117,379	11,789	2,767,455	12,287,187	4.64	104.68
8	7							Gas - G						
9	Scherer 3 (2)	52.6	128,801	364.2	96.0	379.4	10,095	Coal	75,832	8,573	1,300,239	2,887,551	2.24	38.08
10	Scholz 1	46.0	2,771	9.0	95.0	9.4	5,810	Coal	658	12,242	16,100	87,505	3.16	132.99
11	Scholz 2	46.0	1,290	4.2	95.0	4.4	25,888	Coal	1,364	12,242	33,395	181,499	14.07	133.06
12	Smith 1	162.0	97,717	89.8	99.0	90.7	10,259	Coal	42,503	11,793	1,002,478	4,554,612	4.66	107.16
13	Smith 2	195.0	97,685	74.5	90.5	82.4	10,285	Coal	42,596	11,793	1,004,689	4,564,660	4.67	107.16
14	Smith 3	584.0	85,660	21.8	51.0	42.8	5,968	Gas	496,357	1,030	511,248	3,397,243	3.97	6.84
15	Smith A (CT)	40.0	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		9,690				N/A	Gas				503,977	5.20	N/A
17	Perdido Landfill		0				N/A	Landfill Gas				26,732	N/A	N/A
18	Daniel 1 (1)	127.5	92,879	108.4	72.0	150.6	10,402	Coal	46,393	10,412	966,122	3,543,784	3.82	76.39
19	Daniel 2 (1)	127.5	98,318	114.8	71.6	160.3	10,009	Coal	47,255	10,412	984,067	3,609,606	3.67	76.39
20	Gas,BL							Gas	0	0	0	0	N/A	N/A
21	Ltr. Oil							Oil	314	139,400	1,836	23,105	N/A	73.68
22		2,286.6	1,043,877	67.9	76.5	88.8	10,003				10,344,604	43,468,231	4.16	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents Gulf's 25% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: MARCH 2010

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	49,009	87.8	99.1	88.6	11,035	Coal	22,965	11,775	540,811	2,430,570	4.96	105.84
2	4							Gas - G						
3	Crist 5	75.0	47,919	85.9	98.7	87.0	10,873	Coal	22,124	11,775	521,018	2,341,614	4.89	105.84
4	5							Gas - G						
5	Crist 6	291.0	153,168	70.7	95.7	73.9	10,916	Coal	70,998	11,775	1,671,980	7,514,390	4.91	105.84
6	6							Gas - G						
7	Crist 7	465.0	293,632	84.9	92.3	92.0	10,839	Coal	135,146	11,775	3,182,672	14,303,903	4.87	105.84
8	7							Gas - G						
9	Scherer 3 (2)	52.6	140,785	359.6	96.0	374.6	10,123	Coal	82,978	8,588	1,425,162	3,179,267	2.26	38.31
10	Scholz 1	46.0	2,579	7.5	95.0	7.9	6,243	Coal	658	12,242	16,100	87,505	3.39	132.99
11	Scholz 2	46.0	0	0.0	95.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
12	Smith 1	162.0	108,040	89.6	99.2	90.4	10,259	Coal	47,051	11,779	1,108,378	5,152,176	4.77	109.50
13	Smith 2	195.0	101,871	70.2	84.9	82.7	10,284	Coal	44,472	11,779	1,047,639	4,869,837	4.78	109.50
14	Smith 3	584.0	150,408	34.6	67.0	51.7	7,656	Gas	1,117,982	1,030	1,151,522	7,628,833	5.07	6.82
15	Smith A (CT)	36.0	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		9,653				N/A	Gas				502,053	5.20	N/A
17	Perdido Landfill		0				N/A	Landfill Gas				32,491	N/A	N/A
18	Daniel 1 (1)	127.5	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
19	Daniel 2 (1)	127.5	48,501	51.1	30.6	167.1	9,897	Coal	23,296	10,303	480,011	1,769,893	3.65	75.97
20	Gas,BL							Gas	0	0	0	0	N/A	N/A
21	Ltr. Oil							Oil	341	139,400	1,998	25,229	N/A	73.93
22		2,282.6	1,105,565	65.1	78.3	83.2	10,172				11,147,291	49,837,761	4.51	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents Gulf's 25% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: APRIL 2010

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	45,038	83.4	99.0	84.2	10,294	Coal	19,653	11,795	463,619	2,200,199	4.89	111.95
2	4							Gas - G						
3	Crist 5	75.0	44,101	81.7	98.6	82.8	10,516	Coal	19,659	11,795	463,766	2,200,897	4.99	111.95
4	5							Gas - G						
5	Crist 6	291.0	138,205	66.0	95.7	68.9	11,018	Coal	64,549	11,795	1,522,743	7,226,487	5.23	111.95
6	6							Gas - G						
7	Crist 7	465.0	266,546	79.6	92.1	86.4	10,892	Coal	123,068	11,795	2,903,223	13,777,841	5.17	111.95
8	7							Gas - G						
9	Scherer 3 (2)	52.6	131,885	348.1	96.0	362.6	10,083	Coal	77,306	8,601	1,329,792	2,975,415	2.26	38.49
10	Scholz 1	46.0	2,579	7.8	95.0	8.2	6,243	Coal	658	12,242	16,100	87,505	3.39	132.99
11	Scholz 2	46.0	0	0.0	95.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
12	Smith 1	162.0	101,322	86.9	99.2	87.6	10,299	Coal	44,215	11,800	1,043,515	5,164,132	5.10	116.80
13	Smith 2	195.0	80,965	57.7	75.0	76.9	10,297	Coal	35,325	11,800	833,697	4,125,784	5.10	116.80
14	Smith 3	584.0	193,108	45.9	95.0	48.3	8,466	Gas	1,587,156	1,030	1,634,771	10,781,315	5.58	6.79
15	Smith A (CT)	36.0	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		9,342				N/A	Gas				485,877	5.20	N/A
17	Perdido Landfill		0				N/A	Landfill Gas				38,514	N/A	N/A
18	Daniel 1 (1)	127.5	22,363	24.4	16.1	151.3	10,383	Coal	11,332	10,245	232,197	862,079	3.85	76.07
19	Daniel 2 (1)	127.5	132,372	144.2	95.6	150.8	10,314	Coal	66,632	10,245	1,365,280	5,068,879	3.83	76.07
20	Gas,BL							Gas	0	0	0	0	N/A	N/A
21	Ltr. Oil							Oil	669	139,400	3,915	49,576	N/A	74.14
22		2,282.6	1,167,826	71.1	89.1	79.8	10,197				11,812,618	55,044,501	4.71	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents Gulf's 25% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: MAY 2010

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	46,341	83.0	99.3	83.6	10,452	Coal	20,562	11,778	484,359	2,334,058	5.04	113.51
2	4							Gas - G						
3	Crist 5	75.0	45,698	81.9	98.9	82.8	10,864	Coal	21,075	11,778	496,460	2,392,369	5.24	113.52
4	5							Gas - G						
5	Crist 6	291.0	143,403	66.2	95.7	69.2	11,012	Coal	67,036	11,778	1,579,152	7,609,705	5.31	113.52
6	6							Gas - G						
7	Crist 7	465.0	286,976	83.0	92.6	89.6	10,732	Coal	130,742	11,778	3,079,828	14,841,247	5.17	113.52
8	7							Gas - G						
9	Scherer 3 (2)	52.6	141,419	361.2	97.0	372.4	10,135	Coal	83,238	8,610	1,433,352	3,213,863	2.27	38.61
10	Scholz 1	46.0	1,308	3.8	96.0	4.0	24,274	Coal	1,297	12,242	31,751	172,568	13.19	133.05
11	Scholz 2	46.0	0	0.0	96.0	0.0	N/A	Coal	682	12,242	16,697	90,749	N/A	133.06
12	Smith 1	162.0	98,330	81.6	99.2	82.2	10,269	Coal	42,827	11,789	1,009,748	5,171,234	5.26	120.75
13	Smith 2	195.0	52,114	35.9	47.3	75.9	10,299	Coal	22,764	11,789	536,719	2,748,706	5.27	120.75
14	Smith 3	556.0	212,158	51.3	96.0	53.4	7,671	Gas	1,580,155	1,030	1,627,560	10,839,550	5.11	6.86
15	Smith A (CT)	36.0	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		9,653				N/A	Gas				502,053	5.20	N/A
17	Perdido Landfill		0				N/A	Landfill Gas				44,066	N/A	N/A
18	Daniel 1 (1)	127.5	139,547	147.1	96.6	152.3	10,492	Coal	71,181	10,284	1,464,129	5,422,789	3.89	76.18
19	Daniel 2 (1)	127.5	141,470	149.1	95.8	155.7	10,242	Coal	70,443	10,284	1,448,937	5,366,520	3.79	76.18
20	Gas,BL							Gas	0	0	0	0	N/A	N/A
21	Ltr. Oil							Oil	350	139,400	2,052	26,007	N/A	74.20
22		2,254.6	1,318,417	78.6	91.6	85.8	10,094				13,210,744	60,775,485	4.61	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents Gulf's 25% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: JUNE 2010

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	44,547	79.8	99.3	80.4	10,993	Coal	20,806	11,768	489,701	2,417,168	5.43	116.18
2	4							Gas - G						
3	Crist 5	75.0	44,258	79.3	98.9	80.2	10,991	Coal	20,668	11,768	486,442	2,401,082	5.43	116.17
4	5							Gas - G						
5	Crist 6	291.0	144,936	66.9	96.0	69.7	10,950	Coal	67,430	11,768	1,587,047	7,833,682	5.40	116.18
6	6							Gas - G						
7	Crist 7	465.0	277,568	80.2	92.5	86.7	10,899	Coal	128,533	11,768	3,025,213	14,932,482	5.38	116.18
8	7							Gas - G						
9	Scherer 3 (2)	52.6	104,001	265.6	97.0	273.8	13,305	Coal	80,296	8,616	1,383,738	3,107,664	2.99	38.70
10	Scholz 1	46.0	3,270	9.6	96.0	10.0	7,581	Coal	1,013	12,242	24,790	134,735	4.12	133.01
11	Scholz 2	46.0	3,036	8.9	96.0	9.2	2,815	Coal	349	12,242	8,546	46,450	1.53	133.09
12	Smith 1	162.0	96,162	79.8	99.2	80.4	10,364	Coal	42,351	11,766	996,625	5,248,899	5.46	123.94
13	Smith 2	195.0	104,503	72.0	97.8	73.7	10,506	Coal	46,655	11,766	1,097,904	5,782,304	5.53	123.94
14	Smith 3	556.0	173,673	42.0	96.0	43.7	7,870	Gas	1,326,920	1,030	1,366,728	9,237,715	5.32	6.96
15	Smith A (CT)	32.0	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		6,308				N/A	Gas				328,079	5.20	N/A
17	Perdido Landfill		1,996				N/A	Landfill Gas				146,000	7.31	N/A
18	Daniel 1 (1)	127.5	128,845	135.8	96.7	140.5	10,455	Coal	65,319	10,311	1,347,069	5,002,658	3.88	76.59
19	Daniel 2 (1)	127.5	130,395	137.5	95.8	143.5	10,347	Coal	65,422	10,311	1,349,199	5,010,568	3.84	76.59
20	Gas,BL							Gas	0	0	0	0	N/A	N/A
21	Ltr. Oil							Oil	457	139,400	2,673	33,895	N/A	74.25
22		2,250.6	1,263,498	75.5	96.0	78.6	10,472				13,165,675	61,663,381	4.88	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents Gulf's 25% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: JULY 2010

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	46,901	84.1	99.3	84.6	10,988	Coal	21,850	11,793	515,347	2,583,460	5.51	118.24
2	4							Gas - G						
3	Crist 5	75.0	46,269	82.9	98.9	83.8	11,003	Coal	21,585	11,793	509,100	2,552,143	5.52	118.24
4	5							Gas - G						
5	Crist 6	291.0	157,332	72.7	96.0	75.7	10,881	Coal	72,584	11,793	1,711,925	8,581,964	5.45	118.23
6	6							Gas - G						
7	Crist 7	465.0	299,376	86.5	92.6	93.5	10,612	Coal	134,701	11,793	3,176,976	15,926,335	5.32	118.23
8	7							Gas - G						
9	Scherer 3 (2)	52.6	108,615	277.4	97.0	286.0	13,259	Coal	83,501	8,624	1,440,157	3,235,783	2.98	38.75
10	Scholz 1	46.0	3,731	10.9	96.0	11.4	19,024	Coal	2,899	12,242	70,980	385,775	10.34	133.07
11	Scholz 2	46.0	4,409	12.9	96.0	13.4	11,430	Coal	2,058	12,242	50,395	273,896	6.21	133.09
12	Smith 1	162.0	100,848	83.7	99.2	84.3	10,454	Coal	44,729	11,785	1,054,267	5,654,263	5.61	126.41
13	Smith 2	195.0	111,511	76.9	97.7	78.7	10,432	Coal	49,354	11,785	1,163,279	6,238,915	5.59	126.41
14	Smith 3	556.0	204,269	49.4	96.0	51.4	7,442	Gas	1,475,850	1,030	1,520,126	10,466,068	5.12	7.09
15	Smith A (CT)	32.0	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		6,518				N/A	Gas				339,001	5.20	N/A
17	Perdido Landfill		2,062				N/A	Landfill Gas				159,627	7.74	N/A
18	Daniel 1 (1)	127.5	138,933	146.5	96.6	151.6	10,379	Coal	69,791	10,331	1,441,980	5,368,406	3.86	76.92
19	Daniel 2 (1)	127.5	140,533	148.1	95.8	154.6	10,256	Coal	69,758	10,331	1,441,301	5,365,878	3.82	76.92
20	Gas,BL							Gas	0	0	0	0	N/A	N/A
21	Ltr. Oil							Oil	337	139,400	1,971	25,001	N/A	74.27
22		2,250.6	1,371,307	81.9	96.0	85.3	10,330				14,097,804	67,156,515	4.90	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents Gulf's 25% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: AUGUST 2010

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	47,379	84.9	99.3	85.5	11,271	Coal	22,679	11,773	534,010	2,701,936	5.70	119.14
2	4							Gas - G						
3	Crist 5	75.0	47,137	84.5	98.9	85.4	11,257	Coal	22,535	11,773	530,625	2,684,808	5.70	119.14
4	5							Gas - G						
5	Crist 6	291.0	159,648	73.7	96.0	76.8	10,862	Coal	73,645	11,773	1,734,097	8,774,030	5.50	119.14
6	6							Gas - G						
7	Crist 7	465.0	300,752	86.9	92.6	93.9	10,812	Coal	138,097	11,773	3,251,727	16,452,805	5.47	119.14
8	7							Gas - G						
9	Scherer 3 (2)	52.6	107,867	275.5	97.0	284.0	13,180	Coal	82,390	8,627	1,421,636	3,195,930	2.96	38.79
10	Scholz 1	46.0	7,354	21.5	96.0	22.4	13,682	Coal	4,110	12,242	100,620	546,870	7.44	133.06
11	Scholz 2	46.0	4,618	13.5	96.0	14.1	13,404	Coal	2,528	12,242	61,898	336,418	7.28	133.08
12	Smith 1	162.0	101,960	84.6	99.2	85.3	10,332	Coal	44,783	11,762	1,053,450	5,713,706	5.60	127.59
13	Smith 2	195.0	113,058	77.9	97.7	79.8	10,380	Coal	49,888	11,762	1,173,538	6,365,040	5.63	127.59
14	Smith 3	556.0	182,692	44.2	96.0	46.0	7,066	Gas	1,253,229	1,030	1,290,826	8,997,057	4.92	7.18
15	Smith A (CT)	32.0	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		6,518				N/A	Gas				339,001	5.20	N/A
17	Perdido Landfill		2,062				N/A	Landfill Gas				159,429	7.73	N/A
18	Daniel 1 (1)	127.5	142,464	150.2	96.6	155.5	10,338	Coal	71,185	10,345	1,472,790	5,496,115	3.86	77.21
19	Daniel 2 (1)	127.5	144,305	152.1	95.8	158.8	10,329	Coal	72,043	10,345	1,490,528	5,562,311	3.85	77.21
20	Gas,BL							Gas	0	0	0	0	N/A	N/A
21	Ltr. Oil							Oil	304	139,400	1,782	22,605	N/A	74.27
22		2,250.6	1,367,814	81.7	96.0	85.1	10,371				14,117,527	67,348,062	4.92	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents Gulf's 25% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: SEPTEMBER 2010

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	45,649	84.5	98.9	85.5	10,989	Coal	21,264	11,795	501,636	2,549,375	5.58	119.89
2	4							Gas - G						
3	Crist 5	75.0	45,008	83.3	98.9	84.3	11,027	Coal	21,038	11,795	496,303	2,522,275	5.60	119.89
4	5							Gas - G						
5	Crist 6	291.0	150,847	72.0	95.8	75.2	10,894	Coal	69,659	11,795	1,643,322	8,351,565	5.54	119.89
6	6							Gas - G						
7	Crist 7	465.0	281,178	84.0	92.5	90.8	10,661	Coal	127,068	11,795	2,997,643	15,234,393	5.42	119.89
8	7							Gas - G						
9	Scherer 3 (2)	52.6	57,274	151.2	55.0	274.8	13,672	Coal	45,497	8,605	783,024	1,771,939	3.09	38.95
10	Scholz 1	46.0	1,290	3.9	55.0	7.1	5,692	Coal	300	12,242	7,343	39,909	3.09	133.03
11	Scholz 2	46.0	1,902	5.7	96.0	6.0	4,408	Coal	342	12,242	8,384	45,565	2.40	133.23
12	Smith 1	162.0	96,818	83.0	99.2	83.7	10,243	Coal	42,084	11,783	991,707	5,420,978	5.60	128.81
13	Smith 2	195.0	106,560	75.9	97.8	77.6	10,295	Coal	46,553	11,783	1,097,033	5,996,725	5.63	128.82
14	Smith 3	556.0	142,802	35.7	96.0	37.2	7,831	Gas	1,085,654	1,030	1,118,224	7,879,006	5.52	7.26
15	Smith A (CT)	32.0	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		6,308				N/A	Gas				328,079	5.20	N/A
17	Perdido Landfill		1,996				N/A	Landfill Gas				156,280	7.83	N/A
18	Daniel 1 (1)	127.5	134,097	146.1	96.4	151.5	10,384	Coal	67,255	10,352	1,392,459	5,268,930	3.93	78.34
19	Daniel 2 (1)	127.5	135,554	147.7	95.6	154.5	10,412	Coal	68,169	10,352	1,411,385	5,340,545	3.94	78.34
20	Gas,BL							Gas	0	0	0	0	N/A	N/A
21	Ltr. Oil							Oil	401	139,400	2,349	29,801	N/A	74.28
22		2,250.6	1,207,283	74.5	94.1	79.2	10,367				12,450,812	60,935,365	5.05	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents Gulf's 25% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: OCTOBER 2010

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	47,990	86.0	98.9	87.0	11,001	Coal	22,415	11,776	527,942	2,707,321	5.64	120.78
2	4							Gas - G						
3	Crist 5	75.0	47,443	85.0	98.7	86.1	10,713	Coal	21,580	11,776	508,257	2,606,373	5.49	120.78
4	5							Gas - G						
5	Crist 6	291.0	152,970	70.7	96.0	73.6	10,920	Coal	70,924	11,776	1,670,435	8,566,092	5.60	120.78
6	6							Gas - G						
7	Crist 7	465.0	288,010	83.2	92.6	89.9	10,466	Coal	127,982	11,776	3,014,310	15,457,567	5.37	120.78
8	7							Gas - G						
9	Scherer 3 (2)	52.6	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
10	Scholz 1	46.0	0	0.0	64.0	0.0	N/A	Coal	658	12,242	16,100	87,505	N/A	132.99
11	Scholz 2	46.0	0	0.0	95.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
12	Smith 1	162.0	105,453	87.5	98.9	88.5	10,233	Coal	45,876	11,761	1,079,100	5,941,032	5.63	129.50
13	Smith 2	195.0	112,524	77.6	97.6	79.5	10,290	Coal	49,225	11,761	1,157,874	6,374,728	5.67	129.50
14	Smith 3	584.0	127,509	29.3	95.0	30.9	9,172	Gas	1,135,424	1,030	1,169,487	8,381,713	6.57	7.38
15	Smith A (CT)	36.0	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		7,591				N/A	Gas				394,808	5.20	N/A
17	Perdido Landfill		2,062				N/A	Landfill Gas				159,035	7.71	N/A
18	Daniel 1 (1)	127.5	139,129	146.7	96.4	152.1	10,377	Coal	69,696	10,357	1,443,742	5,526,131	3.97	79.29
19	Daniel 2 (1)	127.5	140,947	148.6	95.8	155.1	10,250	Coal	69,743	10,357	1,444,711	5,529,841	3.92	79.29
20	Gas,BL							Gas	0	0	0	0	N/A	N/A
21	Ltr. Oil							Oil	374	139,400	2,187	27,749	N/A	74.29
22		2,282.6	1,171,628	69.0	92.8	74.4	10,338				12,034,145	61,759,896	5.27	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents Gulf's 25% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: NOVEMBER 2010

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	18,482	34.2	39.8	86.0	10,725	Coal	8,405	11,792	198,216	1,022,626	5.53	121.67
2	4							Gas - G						
3	Crist 5	75.0	45,029	83.4	98.6	84.6	10,493	Coal	20,034	11,792	472,484	2,437,614	5.41	121.67
4	5							Gas - G						
5	Crist 6	291.0	141,072	67.3	96.0	70.1	10,560	Coal	63,165	11,792	1,489,719	7,685,679	5.45	121.68
6	6							Gas - G						
7	Crist 7	465.0	220,351	65.8	74.1	88.8	10,471	Coal	97,832	11,792	2,307,298	11,903,688	5.40	121.67
8	7							Gas - G						
9	Scherer 3 (2)	52.6	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
10	Scholz 1	46.0	0	0.0	95.0	0.0	N/A	Coal	658	12,242	16,100	87,505	N/A	132.99
11	Scholz 2	46.0	0	0.0	95.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
12	Smith 1	162.0	79,441	68.1	79.1	86.1	10,326	Coal	34,818	11,780	820,312	4,553,167	5.73	130.77
13	Smith 2	195.0	102,165	72.8	97.5	74.6	10,304	Coal	44,682	11,780	1,052,705	5,843,073	5.72	130.77
14	Smith 3	584.0	84,900	20.2	95.0	21.3	7,920	Gas	652,785	1,030	672,369	5,087,144	5.99	7.79
15	Smith A (CT)	36.0	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		7,346				N/A	Gas				382,065	5.20	N/A
17	Perdido Landfill		1,996				N/A	Landfill Gas				155,884	7.81	N/A
18	Daniel 1 (1)	127.5	130,960	142.7	96.4	148.0	10,428	Coal	65,902	10,361	1,365,655	5,268,049	4.02	79.94
19	Daniel 2 (1)	127.5	131,062	142.8	95.8	149.0	10,340	Coal	65,396	10,361	1,355,176	5,227,625	3.99	79.94
20	Gas,BL							Gas	0	0	0	0	N/A	N/A
21	Ltr. Oil							Oil	323	139,400	1,890	23,981	N/A	74.29
22		2,282.6	962,804	58.6	86.3	67.9	10,207				9,751,924	49,678,100	5.16	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents Gulf's 25% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: DECEMBER 2010

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	28,724	51.5	60.9	84.5	10,988	Coal	13,368	11,805	315,614	1,635,638	5.69	122.35
2	4							Gas - G						
3	Crist 5	75.0	45,829	82.1	98.7	83.2	10,509	Coal	20,399	11,805	481,612	2,495,906	5.45	122.35
4	5							Gas - G						
5	Crist 6	291.0	137,657	63.6	96.0	66.2	11,074	Coal	64,569	11,805	1,524,416	7,900,137	5.74	122.35
6	6							Gas - G						
7	Crist 7	465.0	231,284	66.9	71.6	93.4	10,450	Coal	102,372	11,805	2,416,914	12,525,419	5.42	122.35
8	7							Gas - G						
9	Scherer 3 (2)	52.6	65,210	166.6	59.0	282.3	13,410	Coal	50,986	8,575	874,447	1,997,159	3.06	39.17
10	Scholz 1	46.0	3,869	11.3	95.0	11.9	4,161	Coal	658	12,242	16,100	87,505	2.26	132.99
11	Scholz 2	46.0	1,290	3.8	95.0	4.0	12,943	Coal	682	12,242	16,697	90,749	7.03	133.06
12	Smith 1	162.0	81,569	67.7	79.7	84.9	10,342	Coal	35,746	11,800	843,583	4,687,794	5.75	131.14
13	Smith 2	195.0	103,329	71.2	97.4	73.1	10,309	Coal	45,137	11,800	1,065,222	5,919,437	5.73	131.14
14	Smith 3	584.0	52,324	12.0	95.0	12.7	6,323	Gas	321,190	1,030	330,826	2,630,067	5.03	8.19
15	Smith A (CT)	40.0	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		8,663				N/A	Gas				450,563	5.20	N/A
17	Perdido Landfill		2,062				N/A	Landfill Gas				158,641	7.69	N/A
18	Daniel 1 (1)	127.5	136,954	144.4	96.4	149.8	10,403	Coal	68,704	10,369	1,424,731	5,523,146	4.03	80.39
19	Daniel 2 (1)	127.5	139,977	147.6	95.6	154.4	10,264	Coal	69,282	10,369	1,436,720	5,569,620	3.98	80.39
20	Gas,BL							Gas	0	0	0	0	N/A	N/A
21	Ltr. Oil							Oil	383	139,400	2,241	28,435	N/A	74.29
22		2,286.6	1,038,741	61.1	87.9	69.5	10,435				10,749,123	51,700,216	4.98	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents Gulf's 25% Ownership

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
ESTIMATED FOR THE MONTH OF: JANUARY 2010 - DECEMBER 2010

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	502,348	76.5	89.4	85.5	10,837	Coal	231,016	141,401	5,443,827	26,540,313	5.28	114.89
2	4							Gas - G						
3	Crist 5	75.0	534,679	81.4	96.2	84.6	10,777	Coal	244,515	141,401	5,762,407	28,259,181	5.29	115.57
4	5							Gas - G						
5	Crist 6	291.0	1,689,873	66.3	92.3	71.8	10,910	Coal	782,336	141,401	18,437,066	90,543,717	5.36	115.74
6	6							Gas - G						
7	Crist 7	465.0	3,246,261	79.7	87.7	90.9	10,656	Coal	1,467,831	141,401	34,591,183	169,102,443	5.21	115.21
8	7							Gas - G						
9	Scherer 3 (2)	52.6	1,127,674	244.6	73.8	331.3	11,377	Coal	746,172	85,964	12,829,692	28,740,327	2.55	38.52
10	Scholz 1	46.0	32,530	8.1	89.4	9.0	11,693	Coal	15,540	146,904	380,385	2,067,401	6.36	133.04
11	Scholz 2	46.0	20,414	5.1	95.4	5.3	10,431	Coal	8,696	97,936	212,942	1,157,341	5.67	133.09
12	Smith 1	162.0	1,176,913	82.9	95.8	86.5	10,300	Coal	514,601	141,353	12,122,683	62,637,148	5.32	121.72
13	Smith 2	195.0	1,203,506	70.5	89.9	78.4	10,345	Coal	528,530	141,353	12,449,988	64,685,308	5.37	122.39
14	Smith 3	572.3	1,609,503	32.1	81.8	39.3	7,716	Gas	12,057,632	12,360	12,419,365	86,398,515	5.37	7.17
15	Smith A (CT)	35.7	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
16	Other Generation		98,315				N/A	Gas				5,113,363	5.20	N/A
17	Perdido Landfill		14,236				N/A	Landfill Gas				1,258,514	8.84	N/A
18	Daniel 1 (1)	127.5	1,307,435	117.1	77.6	150.8	10,414	Coal	657,275	113,912	13,616,268	51,145,668	3.91	77.81
19	Daniel 2 (1)	127.5	1,528,655	136.9	87.8	155.9	10,231	Coal	755,382	124,215	15,640,211	58,617,585	3.83	77.60
20	Gas,BL							Gas	0	0	0	0	N/A	N/A
21	Ltr. Oil							Oil	4,612	1,672,800	27,000	341,742	N/A	74.11
22		2,270.6	14,092,342	70.8	87.4	81.1	10,285				143,933,017	676,608,566	4.80	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents Gulf's 25% Ownership

SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2010 - DECEMBER 2010

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	LIGHT OIL													
1	*PURCHASES :*													
2	UNITS (BBL)	913	858	751	1,292	891	1,100	893	832	988	826	859	1,073	11,276
3	UNIT COST ($/BBL)	74.14	74.14	74.57	74.06	74.17	73.97	74.12	74.19	74.07	72.99	72.76	73.83	73.92
4	AMOUNT ($)	67,698	63,641	55,994	95,694	66,118	81,352	66,192	61,717	73,161	60,257	62,522	79,208	833,554
5	*BURNED :*													
6	UNITS (BBL)	360	314	341	669	350	457	337	304	401	374	323	383	4,612
7	UNIT COST ($/BBL)	73.27	73.68	73.93	74.14	74.20	74.25	74.27	74.27	74.28	74.29	74.29	74.29	74.10
8	AMOUNT ($)	26,358	23,105	25,229	49,576	26,007	33,895	25,001	22,605	29,801	27,749	23,981	28,435	341,742
9	*ENDING INVENTORY :*													
10	UNITS (BBL)	16,370	16,915	17,324	17,948	18,489	19,132	19,689	20,216	20,803	21,255	21,791	22,481	
11	UNIT COST ($/BBL)	70.19	70.33	70.44	70.56	70.67	70.77	70.86	70.95	71.03	71.05	71.07	71.15	
12	AMOUNT ($)	1,149,032	1,189,568	1,220,333	1,266,451	1,306,562	1,354,019	1,395,210	1,434,322	1,477,682	1,510,190	1,548,731	1,599,504	
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	
	COAL EXCLUDING PLANT SCHERER													
14	*PURCHASES :*													
15	UNITS (TONS)	447,985	351,500	403,000	358,500	429,000	457,000	476,000	482,000	469,500	462,500	401,500	415,000	5,153,485
16	UNIT COST ($/TON)	103.21	98.53	107.04	117.21	104.38	111.57	112.11	115.87	113.16	116.94	112.64	111.89	110.58
17	AMOUNT ($)	46,235,049	34,632,622	43,136,666	42,020,441	44,778,777	50,989,756	53,363,592	55,851,212	53,130,232	54,083,944	45,224,584	46,434,674	569,881,549
18	*BURNED :*													
19	UNITS (TONS)	419,656	372,668	366,710	385,091	448,609	458,546	489,309	501,493	463,732	478,099	400,892	420,917	5,205,722
20	UNIT COST ($/TON)	101.00	98.29	104.91	105.73	102.87	106.45	108.18	108.94	109.48	110.43	109.83	110.32	106.57
21	AMOUNT ($)	42,386,514	36,629,623	38,469,888	40,713,804	46,149,946	48,810,028	52,931,035	54,634,040	50,770,260	52,796,591	44,029,026	46,435,351	554,756,105
22	*ENDING INVENTORY :*													
23	UNITS (TONS)	810,468	789,300	825,590	798,999	779,390	777,844	764,535	745,042	750,810	735,211	735,819	729,902	
24	UNIT COST ($/TON)	83.33	83.04	85.04	89.50	90.00	92.98	95.16	99.29	101.67	105.57	107.11	107.98	
25	AMOUNT ($)	67,537,008	65,540,007	70,206,785	71,513,422	70,142,254	72,321,981	72,754,538	73,971,710	76,331,682	77,619,035	78,814,593	78,813,916	
26	DAYS SUPPLY:	40	39	40	39	38	38	37	37	37	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 2010 - DECEMBER 2010

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	COAL AT PLANT SCHERER													
27	*PURCHASES :*													
28	UNITS (MMBTU)	1,226,170	1,320,215	1,232,693	1,285,416	1,288,874	1,292,579	1,350,723	1,334,971	895,246	895,246	895,246	895,246	13,912,625
29	UNIT COST ($/MMBTU)	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.30	2.30	2.30	2.30	2.26
30	AMOUNT ($)	2,761,832	2,966,608	2,777,704	2,893,314	2,901,750	2,911,563	3,037,061	3,003,776	2,056,496	2,056,496	2,057,607	2,059,422	31,483,629
31	*BURNED :*													
32	UNITS (MMBTU)	1,438,145	1,300,239	1,425,162	1,329,792	1,433,352	1,383,738	1,440,157	1,421,636	783,024	0	0	874,447	12,829,692
33	UNIT COST ($/MMBTU)	2.21	2.22	2.23	2.24	2.24	2.25	2.25	2.25	2.26	0.00	0.00	2.28	2.24
34	AMOUNT ($)	3,175,756	2,887,551	3,179,267	2,975,415	3,213,863	3,107,664	3,235,783	3,195,930	1,771,939	0	0	1,997,159	28,740,327
35	*ENDING INVENTORY :*													
36	UNITS (MMBTU)	1,993,306	2,013,282	1,820,813	1,776,437	1,631,959	1,540,800	1,451,366	1,364,701	1,476,923	2,372,169	3,267,415	3,288,214	
37	UNIT COST ($/MMBTU)	2.18	2.20	2.21	2.22	2.23	2.23	2.23	2.23	2.26	2.27	2.28	2.28	
38	AMOUNT ($)	4,352,765	4,431,822	4,030,259	3,948,158	3,636,045	3,439,944	3,241,222	3,049,068	3,333,625	5,390,121	7,447,728	7,509,991	
39	DAYS SUPPLY:	38	39	35	34	31	30	28	26	28	46	63	63	
	GAS (1)													
44	*BURNED :*													
45	UNITS (MMBTU)	25,678	511,248	1,151,522	1,634,771	1,627,560	1,366,728	1,520,126	1,290,826	1,118,224	1,169,487	672,369	330,826	12,419,365
46	UNIT COST ($/MMBTU)	41.78	6.65	6.62	6.60	6.66	6.76	6.89	6.97	7.05	7.17	7.57	7.95	6.96
47	AMOUNT ($)	1,072,804	3,397,243	7,628,833	10,781,315	10,839,550	9,237,715	10,466,068	8,997,057	7,879,006	8,381,713	5,087,144	2,630,067	86,398,515
	OTHER - C.T. OIL													
53	*PURCHASES :*													
54	UNITS (BBL)	0	0	0	0	0	0	0	0	0	0	0	0	0
55	UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	AMOUNT ($)	0	0	0	0	0	0	0	0	0	0	0	0	0
57	*BURNED :*													
58	UNITS (BBL)	0	0	0	0	0	0	0	0	0	0	0	0	0
59	UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	AMOUNT ($)	0	0	0	0	0	0	0	0	0	0	0	0	0
61	*ENDING INVENTORY :*													
62	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	
63	UNIT COST ($/BBL)	79.91	79.91	79.91	79.91	79.91	79.91	79.91	79.91	79.91	79.91	79.91	79.91	
64	AMOUNT ($)	570,768	570,768	570,768	570,768	570,768	570,768	570,768	570,768	570,768	570,768	570,768	570,768	
65	DAYS SUPPLY:	0	0	0	0	0	0	0	0	0	0	0	0	

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

SCHEDULE E-6
Page 1 of 2

POWER SOLD
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2010 - DECEMBER 2010

(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)
			KWH		(A)	(B)		
		TOTAL	WHEELED	KWH	¢ / KWH		TOTAL $	
MONTH		KWH	FROM OTHER	FROM OWN	FUEL	TOTAL	FOR FUEL	TOTAL COST
LINE	TYPE & SCHEDULE	SOLD	SYSTEMS	GENERATION	COST	COST	ADJUSTMENT	$
	JANUARY							
1	Southern Co. Interchange	72,553,000	0	72,553,000	3.87	4.16	2,810,000	3,018,000
2	UPS / Separated Sales	153,490,000	0	153,490,000	2.33	2.53	3,576,000	3,884,000
3	Economy Sales	5,478,000	0	5,478,000	3.78	4.20	207,000	230,000
4	Gain on Economy Sales	0	0	0	#N/A	#N/A	26,000	26,000
5	TOTAL ESTIMATED SALES	231,521,000	0	231,521,000	2.86	3.09	6,619,000	7,158,000
	FEBRUARY							
1	Southern Co. Interchange	111,222,000	0	111,222,000	3.89	4.19	4,325,000	4,665,000
2	UPS / Separated Sales	133,691,000	0	133,691,000	2.30	2.49	3,071,000	3,332,000
3	Economy Sales	6,195,000	0	6,195,000	3.78	4.23	234,000	262,000
4	Gain on Economy Sales	0	0	0	#N/A	#N/A	30,000	30,000
5	TOTAL ESTIMATED SALES	251,108,000	0	251,108,000	3.05	3.30	7,660,000	8,289,000
	MARCH							
1	Southern Co. Interchange	146,809,000	0	146,809,000	3.81	4.13	5,588,000	6,060,000
2	UPS / Separated Sales	160,341,000	0	160,341,000	2.36	2.58	3,785,000	4,134,000
3	Economy Sales	4,783,000	0	4,783,000	3.81	4.20	182,000	201,000
4	Gain on Economy Sales	0	0	0	#N/A	#N/A	23,000	23,000
5	TOTAL ESTIMATED SALES	311,933,000	0	311,933,000	3.07	3.34	9,578,000	10,418,000
	APRIL							
1	Southern Co. Interchange	178,568,000	0	178,568,000	3.85	4.17	6,875,000	7,452,000
2	UPS / Separated Sales	136,225,000	0	136,225,000	2.24	2.43	3,054,000	3,316,000
3	Economy Sales	4,693,000	0	4,693,000	3.64	4.03	171,000	189,000
4	Gain on Economy Sales	0	0	0	#N/A	#N/A	22,000	22,000
5	TOTAL ESTIMATED SALES	319,486,000	0	319,486,000	3.17	3.44	10,122,000	10,979,000
	MAY							
1	Southern Co. Interchange	152,388,000	0	152,388,000	3.94	4.27	6,011,000	6,507,000
2	UPS / Separated Sales	141,124,000	0	141,124,000	2.22	2.41	3,130,000	3,395,000
3	Economy Sales	5,132,000	0	5,132,000	3.90	4.38	200,000	225,000
4	Gain on Economy Sales	0	0	0	#N/A	#N/A	24,000	24,000
5	TOTAL ESTIMATED SALES	298,644,000	0	298,644,000	3.14	3.40	9,365,000	10,151,000
	JUNE							
1	Southern Co. Interchange	94,524,000	0	94,524,000	4.35	4.72	4,113,000	4,458,000
2	UPS / Separated Sales	111,866,000	0	111,866,000	3.77	4.07	4,220,000	4,554,000
3	Economy Sales	3,691,000	0	3,691,000	4.25	4.63	157,000	171,000
4	Gain on Economy Sales	0	0	0	#N/A	#N/A	18,000	18,000
5	TOTAL ESTIMATED SALES	210,081,000	0	210,081,000	4.05	4.38	8,508,000	9,201,000

SCHEDULE E-6
Page 2 of 2

POWER SOLD
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2010 - DECEMBER 2010

(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)
					(A)	(B)		
			KWH		¢ / KWH			
	MONTH	TOTAL	WHEELED	KWH	FUEL	TOTAL	TOTAL $	
LINE	TYPE & SCHEDULE	KWH SOLD	FROM OTHER SYSTEMS	FROM OWN GENERATION	COST	COST	FOR FUEL ADJUSTMENT	TOTAL COST $
	JULY							
1	Southern Co. Interchange	98,143,000	0	98,143,000	4.67	5.05	4,583,000	4,956,000
2	UPS / Separated Sales	113,913,000	0	113,913,000	4.05	4.35	4,615,000	4,955,000
3	Economy Sales	3,478,000	0	3,478,000	4.72	5.12	164,000	178,000
4	Gain on Economy Sales	0	0	0	#N/A	#N/A	17,000	17,000
5	TOTAL ESTIMATED SALES	215,534,000	0	215,534,000	4.35	4.69	9,379,000	10,106,000
	AUGUST							
1	Southern Co. Interchange	84,869,000	0	84,869,000	5.04	5.40	4,277,000	4,583,000
2	UPS / Separated Sales	114,566,000	0	114,566,000	4.07	4.37	4,666,000	5,002,000
3	Economy Sales	4,621,000	0	4,621,000	4.72	5.15	218,000	238,000
4	Gain on Economy Sales	0	0	0	#N/A	#N/A	22,000	22,000
5	TOTAL ESTIMATED SALES	204,056,000	0	204,056,000	4.50	4.82	9,183,000	9,845,000
	SEPTEMBER							
1	Southern Co. Interchange	101,423,000	0	101,423,000	4.14	4.53	4,201,000	4,596,000
2	UPS / Separated Sales	112,760,000	0	112,760,000	3.83	4.14	4,317,000	4,665,000
3	Economy Sales	3,427,000	0	3,427,000	4.14	4.58	142,000	157,000
4	Gain on Economy Sales	0	0	0	#N/A	#N/A	16,000	16,000
5	TOTAL ESTIMATED SALES	217,610,000	0	217,610,000	3.99	4.34	8,676,000	9,434,000
	OCTOBER							
1	Southern Co. Interchange	161,735,000	0	161,735,000	4.01	4.34	6,493,000	7,016,000
2	UPS / Separated Sales	114,465,000	0	114,465,000	3.62	3.93	4,140,000	4,497,000
3	Economy Sales	5,411,000	0	5,411,000	3.92	4.32	212,000	234,000
4	Gain on Economy Sales	0	0	0	#N/A	#N/A	26,000	26,000
5	TOTAL ESTIMATED SALES	281,611,000	0	281,611,000	3.86	4.18	10,871,000	11,773,000
	NOVEMBER							
1	Southern Co. Interchange	94,735,000	0	94,735,000	4.00	4.31	3,785,000	4,082,000
2	UPS / Separated Sales	104,073,000	0	104,073,000	3.68	4.00	3,835,000	4,164,000
3	Economy Sales	6,361,000	0	6,361,000	3.91	4.26	249,000	271,000
4	Gain on Economy Sales	0	0	0	#N/A	#N/A	30,000	30,000
5	TOTAL ESTIMATED SALES	205,169,000	0	205,169,000	3.85	4.17	7,899,000	8,547,000
	DECEMBER							
1	Southern Co. Interchange	68,978,000	0	68,978,000	3.96	4.30	2,729,000	2,964,000
2	UPS / Separated Sales	107,900,000	0	107,900,000	3.76	4.08	4,059,000	4,407,000
3	Economy Sales	6,929,000	0	6,929,000	3.80	4.20	263,000	291,000
4	Gain on Economy Sales	0	0	0	#N/A	#N/A	33,000	33,000
5	TOTAL ESTIMATED SALES	183,807,000	0	183,807,000	3.85	4.19	7,084,000	7,695,000
	TOTAL							
1	Southern Co. Interchange	1,365,947,000	0	1,365,947,000	4.08	4.42	55,790,000	60,357,000
2	UPS / Separated Sales	1,504,414,000	0	1,504,414,000	3.09	3.34	46,468,000	50,305,000
3	Economy Sales	60,199,000	0	60,199,000	3.99	4.40	2,399,000	2,647,000
4	Gain on Economy Sales	0	0	0	#N/A	#N/A	287,000	287,000
5	TOTAL ESTIMATED SALES	2,930,560,000	0	2,930,560,000	3.58	3.88	104,944,000	113,596,000

SCHEDULE E-7

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

ESTIMATED FOR THE PERIOD OF: JANUARY 2010 - DECEMBER 2010

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) ¢ / KWH		(9)
MONTH	PURCHASED FROM	TYPE & SCHED	TOTAL KWH PURCH.	KWH FOR OTHER UTILITIES	KWH FOR INTERRUPTIBLE	KWH FOR FIRM	(A) FUEL COST	(B) TOTAL COST	TOTAL $ FOR FUEL ADJ.
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 2010 - DECEMBER 2010

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)
				KWH			¢/KWH		
MONTH	PURCHASED FROM:	TYPE AND SCHEDULE	TOTAL KWH PURCHASED	FOR OTHER UTILITIES	KWH FOR INTERRUPTIBLE	KWH FOR FIRM	(A) FUEL COST	(B) TOTAL COST	TOTAL $ FOR FUEL ADJ.
JANUARY		COG-1				None			
FEBRUARY		COG-1				None			
MARCH		COG-1				None			
APRIL		COG-1				None			
MAY		COG-1				None			
JUNE		COG-1				None			
JULY		COG-1				None			
AUGUST		COG-1				None			
SEPTEMBER		COG-1				None			
OCTOBER		COG-1				None			
NOVEMBER		COG-1				None			
DECEMBER		COG-1				None			
TOTAL			0			0			0

SCHEDULE E-9
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ECONOMY ENERGY PURCHASES
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2010 - DECEMBER 2010

(1)	(2)	(3)	(4)	(5)
LINE	MONTH TYPE & SCHEDULE	TOTAL KWH PURCHASED	TRANSACTION COST ¢ / KWH	TOTAL $ FOR FUEL ADJ.
	JANUARY			
1	Southern Co. Interchange	165,767,000	4.08	6,761,000
2	UPS / Separated Purchases	3,306,000	4.08	135,000
3	Economy Energy	2,302,000	4.39	101,000
4	Other Purchases	7,556,000	5.39	407,000
5	PPA Energy Savings	0	#N/A	(1,083,000)
6	TOTAL ESTIMATED PURCHASES	178,931,000	3.53	6,321,000
	FEBRUARY			
1	Southern Co. Interchange	63,044,000	3.96	2,499,000
2	UPS / Separated Purchases	2,519,000	4.13	104,000
3	Economy Energy	2,309,000	4.46	103,000
4	Other Purchases	7,091,000	5.43	385,000
5	PPA Energy Savings	0	#N/A	(1,083,000)
6	TOTAL ESTIMATED PURCHASES	74,963,000	2.68	2,008,000
	MARCH			
1	Southern Co. Interchange	80,481,000	3.79	3,051,000
2	UPS / Separated Purchases	4,856,000	3.77	183,000
3	Economy Energy	2,820,000	4.18	118,000
4	Other Purchases	2,277,000	5.09	116,000
5	PPA Energy Savings	0	#N/A	(1,083,000)
6	TOTAL ESTIMATED PURCHASES	90,434,000	2.64	2,385,000
	APRIL			
1	Southern Co. Interchange	37,960,000	3.33	1,263,000
2	UPS / Separated Purchases	2,919,000	3.12	91,000
3	Economy Energy	2,363,000	3.81	90,000
4	Other Purchases	1,650,000	5.03	83,000
5	PPA Energy Savings	0	#N/A	(1,083,000)
6	TOTAL ESTIMATED PURCHASES	44,892,000	0.99	444,000
	MAY			
1	Southern Co. Interchange	45,932,000	3.62	1,663,000
2	UPS / Separated Purchases	1,204,000	3.57	43,000
3	Economy Energy	2,179,000	4.45	97,000
4	Other Purchases	3,276,000	5.04	165,000
5	PPA Energy Savings	0	#N/A	(1,083,000)
6	TOTAL ESTIMATED PURCHASES	52,591,000	1.68	885,000
	JUNE			
1	Southern Co. Interchange	78,038,000	3.65	2,849,000
2	UPS / Separated Purchases	47,218,000	3.94	1,859,000
3	Economy Energy	2,190,000	4.89	107,000
4	Other Purchases	1,809,000	5.20	94,000
5	PPA Energy Savings	0	#N/A	(1,083,000)
6	TOTAL ESTIMATED PURCHASES	129,255,000	2.96	3,826,000

SCHEDULE E-9
Page 2 of 2

ECONOMY ENERGY PURCHASES
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2010 - DECEMBER 2010

(1)	(2)	(3)	(4)	(5)
LINE	MONTH TYPE & SCHEDULE	TOTAL KWH PURCHASED	TRANSACTION COST ¢ / KWH	TOTAL $ FOR FUEL ADJ.
	JULY			
1	Southern Co. Interchange	50,154,000	4.51	2,263,000
2	UPS / Separated Purchases	45,728,000	4.52	2,065,000
3	Economy Energy	2,232,000	5.56	124,000
4	Other Purchases	38,145,000	5.40	2,061,000
5	PPA Energy Savings	0	#N/A	(1,083,000)
6	TOTAL ESTIMATED PURCHASES	136,259,000	3.99	5,430,000
	AUGUST			
1	Southern Co. Interchange	45,357,000	4.03	1,827,000
2	UPS / Separated Purchases	45,726,000	4.37	1,999,000
3	Economy Energy	2,724,000	5.65	154,000
4	Other Purchases	43,191,000	5.61	2,422,000
5	PPA Energy Savings	0	#N/A	(1,083,000)
6	TOTAL ESTIMATED PURCHASES	136,998,000	3.88	5,319,000
	SEPTEMBER			
1	Southern Co. Interchange	48,694,000	3.81	1,853,000
2	UPS / Separated Purchases	42,675,000	3.99	1,703,000
3	Economy Energy	2,309,000	4.72	109,000
4	Other Purchases	15,308,000	5.46	836,000
5	PPA Energy Savings	0	#N/A	(1,083,000)
6	TOTAL ESTIMATED PURCHASES	108,986,000	3.14	3,418,000
	OCTOBER			
1	Southern Co. Interchange	23,307,000	3.40	793,000
2	UPS / Separated Purchases	26,403,000	3.47	916,000
3	Economy Energy	2,681,000	4.33	116,000
4	Other Purchases	1,607,000	5.41	87,000
5	PPA Energy Savings	0	#N/A	(1,083,000)
6	TOTAL ESTIMATED PURCHASES	53,998,000	1.54	829,000
	NOVEMBER			
1	Southern Co. Interchange	42,762,000	3.80	1,625,000
2	UPS / Separated Purchases	40,427,000	3.84	1,551,000
3	Economy Energy	2,174,000	4.14	90,000
4	Other Purchases	2,479,000	5.73	142,000
5	PPA Energy Savings	0	#N/A	(1,083,000)
6	TOTAL ESTIMATED PURCHASES	87,842,000	2.65	2,325,000
	DECEMBER			
1	Southern Co. Interchange	61,133,000	4.04	2,469,000
2	UPS / Separated Purchases	47,827,000	4.10	1,960,000
3	Economy Energy	1,767,000	4.47	79,000
4	Other Purchases	1,625,000	6.09	99,000
5	PPA Energy Savings	0	#N/A	(1,087,000)
6	TOTAL ESTIMATED PURCHASES	112,352,000	3.13	3,520,000
	TOTAL FOR PERIOD			
1	Southern Co. Interchange	742,629,000	3.89	28,916,000
2	UPS / Separated Purchases	310,808,000	4.06	12,609,000
3	Economy Energy	28,050,000	4.59	1,288,000
4	Other Purchases	126,014,000	5.47	6,897,000
5	PPA Energy Savings	0	#N/A	(13,000,000)
6	TOTAL ESTIMATED PURCHASES	1,207,501,000	3.04	36,710,000

SCHEDULE E-10

GULF POWER COMPANY
RESIDENTIAL BILL COMPARISON
FOR MONTHLY USAGE OF 1000 KWH
ESTIMATED FOR THE PERIOD OF: JANUARY 2010 - DECEMBER 2010

	Current Approved Jul. 09 - Dec. 09 ($/1000 kWh)	Proposed Jan. 10 - Dec. 10 ($/1000 kWh)	Difference from Current ($)	Difference from Current (%)
Base Rate	$ 49.30	$ 49.30	$ -	0.0%
Fuel Cost Recovery	57.58	53.76	(3.82)	-6.6%
Capacity Cost Recovery	3.35	5.02	1.67	49.9%
Energy Conservation Cost Recovery *	0.85	0.85	-	0.0%
Environmental Cost Recovery	7.35	13.91	6.56	89.3%
Subtotal	$ 118.43	$ 122.84	$ 4.41	3.7%
Gross Receipts Tax	3.04	3.15	0.11	3.6%
Total	$ 121.47	$ 125.99	$ 4.52	3.7%

** For purposes of this comparison, the Energy Conservation factor has not yet been updated. The proposed 2010 Energy Conservation factor will be updated and filed with the FPSC on September 11, 2009.*

SCHEDULE E-11

ESTIMATED AS-AVAILABLE AVOIDED ENERGY COST
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2010 - DECEMBER 2010

		TOTAL ¢ / KWH
2010	JANUARY	4.145
	FEBRUARY	4.145
	MARCH	4.145
	APRIL	4.816
	MAY	4.816
	JUNE	4.816
	JULY	4.816
	AUGUST	4.816
	SEPTEMBER	4.816
	OCTOBER	4.816
	NOVEMBER	4.145
	DECEMBER	4.145
2011	JANUARY	4.528
	FEBRUARY	4.528
	MARCH	4.528
	APRIL	5.464
	MAY	5.464
	JUNE	5.464
	JULY	5.464
	AUGUST	5.464
	SEPTEMBER	5.464
	OCTOBER	5.464
	NOVEMBER	4.528
	DECEMBER	4.528

SCHEDULE H1

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
GULF POWER COMPANY
ESTIMATED FOR THE PERIOD OF: JANUARY 2010 - DECEMBER 2010

LINE	LINE DESCRIPTION	2007	2008	2009	2010	% Change 2007 to 2008	% Change 2008 to 2009	% Change 2009 to 2010
	FUEL COST OF SYSTEM NET GENERATION ($)							
1	LIGHTER OIL (B.L.)	1,191,575	1,069,815	1,772,426	341,742	(10.22)	65.68	(80.72)
2	COAL	408,147,689	380,263,720	564,943,287	554,756,105	(6.83)	48.57	(1.80)
3	COAL at Scherer	36,188,584	29,281,559	35,472,672	28,740,327	(19.09)	21.14	(18.98)
4	GAS	138,136,699	215,174,969	209,618,247	86,398,515	55.77	(2.58)	(58.78)
5	GAS (B.L.)	650,220	625,887	401,781	0	(3.74)	(35.81)	(100.00)
6	LANDFILL GAS	0	0	0	1,258,514	0.00	0.00	100.00
7	OTHER - C.T.	48,647	214,596	0	0	341.13	(100.00)	0.00
8	OTHER GENERATION	4,306,906	2,920,047	6,322,495	5,113,363	(32.20)	116.52	(19.12)
9	TOTAL ($)	588,670,320	629,550,593	818,530,908	676,608,566	6.94	30.02	(17.34)
	SYSTEM NET GENERATION (MWH)							
10	COAL	15,849,960	14,715,720	13,836,410	12,370,288	(7.16)	(5.98)	(10.60)
11	GAS	1,679,290	2,869,550	2,376,890	1,609,503	70.88	(17.17)	(32.29)
12	LANDFILL GAS	0	0	0	14,236	0.00	0.00	100.00
13	OTHER - C.T.	280	740	0	0	164.29	(100.00)	0.00
14	OTHER GENERATION	112,540	75,290	112,540	98,315	(33.10)	49.48	(12.64)
15	TOTAL (MWH)	17,642,070	17,661,300	16,325,840	14,092,342	0.11	(7.56)	(13.68)
	UNITS OF FUEL BURNED							
16	LIGHTER OIL (BBL)	13,791	12,591	11,478	4,612	(8.70)	(8.84)	(59.82)
17	COAL excl. Scherer (TON)	6,249,582	5,864,125	5,512,917	5,205,722	(6.17)	(5.99)	(5.57)
18	GAS (MCF)	12,206,589	20,411,669	16,564,633	12,057,632	67.22	(18.85)	(27.21)
19	OTHER - C.T. (BBL)	692	2,768	0	0	300.00	(100.00)	0.00
	BTU'S BURNED (MMBTU)							
20	COAL + GAS B.L. + OIL B.L.	162,746,967	149,864,972	143,434,955	131,513,652	(7.92)	(4.29)	(8.31)
21	GAS - Generation	12,502,331	20,953,690	17,029,543	12,419,365	67.60	(18.73)	(27.07)
22	OTHER - C.T.	4,051	16,204	0	0	300.00	(100.00)	0.00
23	TOTAL (MMBTU)	175,253,349	170,834,866	160,464,498	143,933,017	(2.52)	(6.07)	(10.30)
	GENERATION MIX (% MWH)							
24	COAL + GAS B.L. + OIL B.L.	89.84	83.32	84.75	87.78	(7.26)	1.72	3.58
25	GAS - Generation	9.52	16.25	14.56	11.42	70.69	(10.40)	(21.57)
26	LANDFILL GAS	0.00	0.00	0.00	0.10	0.00	0.00	100.00
26	OTHER - C.T.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	OTHER GENERATION	0.64	0.43	0.69	0.70	(32.81)	60.47	1.45
28	TOTAL (% MWH)	100.00	100.00	100.00	100.00	0.00	0.00	0.00
	FUEL COST PER UNIT							
29	LIGHTER OIL B.L. ($/BBL)	86.40	84.96	154.42	74.11	(1.67)	81.76	(52.01)
30	COAL ($/TON)	65.31	64.85	102.48	106.57	(0.70)	58.03	3.99
31	GAS +B.L. ($/MCF)	11.37	10.57	12.68	7.17	(7.04)	19.96	(43.45)
32	OTHER - C.T.	70.31	77.54	#N/A	#N/A	10.28	#N/A	#N/A
	FUEL COST ($) / MMBTU							
33	COAL + GAS B.L. + OIL B.L.	2.74	2.74	4.20	4.44	0.00	53.28	5.71
34	GAS - Generation	11.05	10.27	12.31	6.96	(7.06)	19.86	(43.46)
35	OTHER - C.T.	12.01	13.24	#N/A	#N/A	10.24	#N/A	#N/A
36	TOTAL ($/MMBTU)	3.33	3.67	5.06	4.67	10.21	37.87	(7.71)
	BTU BURNED / KWH							
37	COAL + GAS B.L. + OIL B.L.	10,268	10,184	10,366	10,631	(0.82)	1.79	2.56
38	GAS - Generation	7,445	7,302	7,165	7,716	(1.92)	(1.88)	7.69
39	OTHER - C.T.	14,468	21,897	#N/A	#N/A	51.35	#N/A	#N/A
40	TOTAL (BTU/KWH)	9,998	9,714	9,897	10,285	(2.84)	1.88	3.92
	FUEL COST (¢ / KWH)							
41	COAL + GAS B.L. + OIL B.L.	2.82	2.79	4.36	4.72	(1.06)	56.27	8.26
42	GAS - Generation	8.23	7.50	8.82	5.37	(8.87)	17.60	(39.12)
43	LANDFILL GAS	#N/A	#N/A	#N/A	8.84	#N/A	#N/A	#N/A
43	OTHER - C.T.	17.37	29.00	#N/A	#N/A	66.95	#N/A	#N/A
44	OTHER GENERATION	3.83	3.88	5.62	5.20	1.31	44.85	(7.47)
45	TOTAL (¢ / KWH)	3.34	3.56	5.01	4.80	6.59	40.73	(4.19)

SCHEDULE 12

Gulf Power Company
Fuel Cost Recovery Clause
Calculation of the Projected Period Amount
January 2010 - December 2010

Return on Capital Investments, Depreciation, and Taxes & O&M Expense
For Project: Perdido Landfill

(in Dollars)

Line	Description	Beginning of Period Amount	January	February	March	April	May	June	July	August	September	October	November	December	End of Period Amount
1	Investments														
	a Expenditures/Additions		461,235	581,235	639,735	637,051	540,051	77,961	0	0	0	0	0	0	
	b Clearings to Plant		0	0	0	0	0	5,018,976	0	0	0	0	0	0	
	c Retirements		0	0	0	0	0	0	0	0	0	0	0	0	
	d Cost of Removal		0	0	0	0	0	0	0	0	0	0	0	0	
	e Salvage		0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	0	0	0	0	0	0	5,018,976	5,018,976	5,018,976	5,018,976	5,018,976	5,018,976	5,018,976	
3	Less: Accumulated Depreciation	0	0	0	0	0	0	(10,455)	(31,364)	(52,273)	(73,182)	(94,091)	(115,000)	(135,909)	
4	CWIP - Non Interest Bearing	2,081,708	2,542,943	3,124,178	3,763,913	4,400,964	4,941,015	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	2,081,708	2,542,943	3,124,178	3,763,913	4,400,964	4,941,015	5,008,521	4,987,612	4,966,703	4,945,794	4,924,885	4,903,976	4,883,067	
6	Average Net Investment		2,312,326	2,833,561	3,444,046	4,082,439	4,670,990	4,974,768	4,998,067	4,977,158	4,956,249	4,935,340	4,914,431	4,893,522	
7	Return on Average Net Investment														
	a Equity Component (Line 6 x Equity Component x 1/12) (A)		16,989	20,818	25,303	29,994	34,318	36,550	36,721	36,567	36,414	36,260	36,106	35,953	381,993
	b Debt Component (Line 6 x Debt Component x 1/12)		4,826	5,914	7,188	8,520	9,748	10,382	10,431	10,387	10,344	10,300	10,256	10,213	108,509
8	Investment Expenses														
	a Depreciation (B)		0	0	0	0	0	10,455	20,909	20,909	20,909	20,909	20,909	20,909	135,909
	b Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
	d Property Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
	e Fuel Expense		0	0	0	0	0	48,696	50,319	50,319	48,696	50,319	48,696	50,319	347,364
	f O&M		0	0	0	0	0	39,917	41,247	41,247	39,917	41,247	39,917	41,247	284,739
9	Total System Recoverable Expenses (Lines 7 + 8)		21,815	26,732	32,491	38,514	44,066	146,000	159,627	159,429	156,280	159,035	155,884	158,641	1,258,514

Notes:
(A) The equity component has been grossed up for taxes. The approved ROE is 12%.
(B) Depreciation rate of 5.0% annually based on assumed 20 year useful life of the facility.

Schedule CCE-1

Projected Purchased Power Capacity Payments / (Receipts)
Gulf Power Company
For January 2010 - December 2010

		January	February	March	April	May	June	July	August	September	October	November	December	Total
1	Projected IIC Payments / (Receipts) ($)	(67,841)	116,642	(282,759)	39,519	103,925	1,305,996	3,898,165	2,498,683	1,617,956	145,967	85,293	(35,537)	9,426,009
2	Other Capacity Payments / (Receipts) ($)	1,503,004	1,503,004	1,233,854	1,234,854	2,423,804	6,556,004	6,555,004	6,556,004	6,556,004	1,756,004	1,756,004	1,756,004	39,389,548
3	Projected Transmission Revenue	(8,000)	(9,000)	(7,000)	(7,000)	(7,000)	(5,000)	(5,000)	(6,000)	(5,000)	(8,000)	(9,000)	(10,000)	(86,000)
4	Total Projected Capacity Payments / (Receipts) (Line 1 + 2 + 3) ($)	1,427,163	1,610,646	944,095	1,267,373	2,520,729	7,857,000	10,448,169	9,048,687	8,168,960	1,893,971	1,832,297	1,710,467	48,729,557
5	Jurisdictional %	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160	0.9642160
6	Projected Jurisdictional Capacity Payments / (Receipts) (Line 4 x Line 5) ($)	1,376,093	1,553,011	910,312	1,222,021	2,430,527	7,575,845	10,074,292	8,724,889	7,876,642	1,826,197	1,766,730	1,649,260	46,985,819
7	True-Up ($)													1,107,410
8	Total Jurisdictional Amount to be Recovered (Line 6 + Line 7) ($)													48,093,229
9	Revenue Tax Multiplier													1.00072
10	Total Recoverable Capacity Payments / (Receipts) (Line 8 x Line 9) ($)													48,127,856

Calculation of Jurisdictional % *

	12 CP KW	%
FPSC	1,883,605.48	96.42160%
FERC	69,904.37	3.57840%
Total	1,953,509.85	100.00000%

* Based on 2006 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 2010 - DECEMBER 2010

1	Estimated over/(under)-recovery, January 2009 - December 2009 (Schedule CCE-1B, Line 15)	($1,787,568)
2	Final True-Up, January 2008 - December 2008 (Exhibit No.____(RWD-1), filed March 9, 2009	680,158
3	Total Over/(Under)-Recovery (Line 1 & 2) (To be included in January 2010 - December 2010)	($1,107,410)
4	Jurisdictional KWH sales, January 2010 - December 2010	11,240,618,000
5	True-up Factor (Line 3 / Line 4) x 100 (¢/KWH)	0.0099

SCHEDULE CCE-1B

PURCHASED POWER CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ESTIMATED TRUE-UP AMOUNT
GULF POWER COMPANY
FOR THE PERIOD JANUARY 2009 - DECEMBER 2009

		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) ($)	1,095,062	474,898	259,161	317,225	472,847	570,280	3,258,284	2,606,444	1,624,791	162,180	68,953	84,784	10,994,909
2	Other Capacity Payments / (Receipts) ($)	0	0	0	0	0	5,322,362	5,302,400	5,302,400	5,302,400	591,400	590,400	590,400	23,001,762
3	Transmission Revenue ($)	(10,415)	(6,221)	(9,155)	(4,967)	(6,128)	(24,621)	(6,000)	(9,000)	(6,000)	(10,000)	(12,000)	(13,000)	(117,507)
4	Total Capacity Payments/(Receipts) ($)	1,084,647	468,677	250,006	312,258	466,719	5,868,021	8,554,684	7,899,844	6,921,191	743,580	647,353	662,184	33,879,164
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	0.9642160
6	Jurisdictional Capacity Payments/(Receipts) (Line 4 x Line 5) ($)	1,045,834	451,906	241,060	301,084	450,018	5,658,040	8,248,563	7,617,156	6,673,523	716,972	624,188	638,488	32,666,832
7	Retail KWH Sales							1,155,743,000	1,152,972,000	988,922,000	849,588,000	750,196,000	867,182,000	
8	Purchased Power Capacity Cost Recovery Factor (¢/KWH)							0.285	0.285	0.285	0.285	0.285	0.285	
9	Capacity Cost Recovery Revenues (Line 7 x Line 8/100) ($)	2,396,712	2,152,753	2,118,140	2,153,281	2,602,977	3,407,823	3,293,868	3,285,970	2,818,428	2,421,326	2,138,059	2,471,469	31,260,806
10	Revenue Taxes (Line 9 x .00072) ($)	1,726	1,550	1,525	1,550	1,874	2,454	2,372	2,366	2,029	1,743	1,539	1,779	22,508
11	True-Up Provision ($)	(30,616)	(30,616)	(30,616)	(30,616)	(30,616)	(30,616)	(30,616)	(30,616)	(30,616)	(30,616)	(30,616)	(30,612)	(367,388)
12	Capacity Cost Recovery Revenues net of Revenue Taxes (Line 9 - Line 10 + Line 11) ($)	2,364,370	2,120,587	2,085,999	2,121,115	2,570,487	3,374,753	3,260,580	3,252,988	2,785,783	2,388,967	2,105,904	2,439,078	30,870,910
13	Over/(Under) Recovery (Line 12 - Line 6) ($)	1,318,536	1,668,681	1,844,939	1,820,031	2,120,469	(2,283,287)	(4,987,683)	(4,364,168)	(3,887,740)	1,671,995	1,481,715	1,800,589	(1,795,922)
14	Interest Provision ($)	547	1,613	2,331	2,442	2,386	2,201	1,319	(37)	(1,232)	(1,547)	(1,076)	(591)	8,354
15	Total Estimated True-Up for the Period January 2009 - December 2009 (Line 13 + Line 14) ($)													(1,787,568)
NOTE:	Interest is Calculated for July through December at June 2009 monthly rate of		0.0292%											
16	Beginning Balance True-Up & Interest Provision ($)	312,771	1,662,470	3,363,380	5,241,266	7,094,355	9,247,826	6,997,356	2,041,608	(2,291,981)	(6,150,337)	(4,449,273)	(2,938,020)	312,771
17	True-Up Collected/(Refunded) ($)	30,616	30,616	30,616	30,616	30,616	30,616	30,616	30,616	30,616	30,616	30,616	30,612	367,388
18	Adjustment ($)	0	0	0	0	0	0	0	0	0	0	0	0	0
19	End of Period TOTAL Net True-Up (Lines 13 + 14 + 16 + 17 + 18) ($)	1,662,470	3,363,380	5,241,266	7,094,355	9,247,826	6,997,356	2,041,608	(2,291,981)	(6,150,337)	(4,449,273)	(2,938,020)	(1,107,410)	(1,107,410)

Calculation of Purchased Power Capacity Cost Recovery Factors
Gulf Power Company
For January 2010 - December 2010

Rate Class	A Average 12 CP Load Factor at Meter	B Jan - Dec 10 Projected KWH Sales at Meter	C Projected Avg 12 CP KW at Meter Col B / (8,760 hours x Col A)	D Demand Loss Expansion Factor	E Energy Loss Expansion Factor	F Jan - Dec 10 Projected KWH Sales at Generation Col B x Col E	G Projected Avg 12 CP KW at Generation Col C x Col D	H Percentage of KWH Sales at Generation Col F / Total Col F	I Percentage of 12 CP KW Demand at Generation Col G / Total Col G
RS, RSVP	58.020395%	5,571,241,000	1,096,142.86	1.00486476	1.00530097	5,600,773,981	1,101,475.33	49.79563%	58.83889%
GS	63.781436%	313,549,000	56,118.62	1.00485887	1.00529775	315,210,104	56,391.29	2.80248%	3.01232%
GSD, GSDT, GSTOU	75.860452%	2,435,322,000	366,468.68	1.00470565	1.00516604	2,447,902,971	368,193.15	21.76393%	19.66823%
LP, LPT	86.886296%	1,885,643,000	247,744.54	0.98422595	0.98911989	1,865,126,997	243,836.61	16.58256%	13.02532%
PX, PXT, RTP, SBS	104.683592%	883,147,000	96,305.32	0.97443817	0.98057253	865,989,688	93,843.58	7.69938%	5.01296%
OS - I / II	321.885641%	115,537,000	4,097.47	1.00468934	1.00529485	116,148,751	4,116.68	1.03266%	0.21991%
OS-III	99.718369%	36,179,000	4,141.69	1.00511513	1.00526827	36,369,601	4,162.88	0.32336%	0.22237%
TOTAL		11,240,618,000	1,871,019.18			11,247,522,093	1,872,019.52	100.00000%	100.00000%

Notes:
Col A - Average 12 CP load factor based on actual 2006 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 2010 - December 2010

Rate Class	A Jan - Dec 10 Percentage of KWH Sales at Generation Page 1, Col H	B Percentage of 12 CP KW Demand at Generation Page 1, Col I	C Energy-Related Costs ($)	D Demand-Related Costs ($)	E Total Capacity Costs ($) Col C + Col D	F Jan - Dec 10 Projected KWH Sales at Meter Page 1, Col B	G Capacity Cost Recovery Factors (¢ / KWH) Col E / Col F x 100
RS, RSVP	49.79563%	58.83889%	1,843,505	26,139,597	27,983,102	5,571,241,000	0.502
GS	2.80248%	3.01232%	103,752	1,338,245	1,441,997	313,549,000	0.460
GSD, GSDT, GSTOU	21.76393%	19.66823%	805,732	8,737,751	9,543,483	2,435,322,000	0.392
LP, LPT	16.58256%	13.02532%	613,910	5,786,591	6,400,501	1,885,643,000	0.339
PX, PXT, RTP, SBS	7.69938%	5.01296%	285,042	2,227,043	2,512,085	883,147,000	0.284
OS - I / II	1.03266%	0.21991%	38,231	97,697	135,928	115,537,000	0.118
OS-III	0.32336%	0.22237%	11,971	98,789	110,760	36,179,000	0.306
TOTAL	100.00000%	100.00000%	$3,702,143	$44,425,713	$48,127,856	11,240,618,000	0.428

Notes:
Col C - (Recoverable Amount from Schedule CCE-1, line 9) / 13 x Col A
Col D - (Recoverable Amount from Schedule CCE-1, line 9) x 12 / 13 x Col B

Gulf Power Company
2010 Capacity Contracts

Contract/Counterparty	Term Start	Term End [1]	Contract Type
Southern Intercompany Interchange	2/18/2000	5 Yr Notice	SES Opco
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]	10/1/2009	5/31/2023	Other
South Carolina PSA	9/1/2003	-	Other

(1) Unless otherwise noted, contract remains effective unless terminated upon 30 days prior written notice.
(2) Anticipated start date shown. Actual start date is dependent on receipt of a final non-appealable order.

Capacity Costs

2010	January		February		March		April		May		June		July		August		September		October		November		December		
Contract	MW	$	MW	$	MW	$	MW	$	MW	$	MW	$	MW	$	MW	$	MW	$	MW	$	MW	$	MW	$	Total $
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	306.5	3,896,165	197.5	2,496,683	272.8	1,617,956	337.9	146,967	185.9	85,293	(68.9)	(35,537)	9,426,009
PPAs																									
Coral Power,LLC																									
Southern Power Company																									
Shell Energy N.A. (U.S.), LP [1]																									
Total PPAs																									39,431,548
South Carolina PSA																									(42,000)
Total		1,435,153		1,619,646		951,096		1,274,373		2,527,729		7,862,000		10,453,159		9,054,667		8,173,960		1,901,971		1,841,297		1,720,467	48,815,567

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

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

GENERATING PERFORMANCE INCENTIVE FACTOR

TARGETS FOR

JANUARY 2010 - DECEMBER 2010

Before

THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 090001-EI

GULF POWER

A SOUTHERN COMPANY

GULF POWER COMPANY

Before the Florida Public Service Commission

Direct Testimony of

M. A. Young, III

Docket No. 090001-EI

Date of Filing: September 1, 2009

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

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

Q. Please describe your educational and business background.

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

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

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

A. The purpose of my testimony is to present GPIF targets for Gulf Power Company for the period of January 1, 2010 through December 31, 2010.

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

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

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

A. Yes, it was.

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

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

A. We propose that Crist Units 4, 5, 6, and 7, Smith Units 1 and 2, and Daniel Units 1 and 2, continue to be the Company's GPIF units. The projected net generation from these units, which represent all of Gulf's qualifying base load units for GPIF, is approximately 86% of Gulf's projected net generation for 2010.

Q. For these units, what are the target heat rates Gulf proposes to use in the GPIF for these units for the performance period January 1, 2010 through December 31, 2010?

A. I would like to refer you to page 44 of Schedule 1 of my exhibit where these targets are listed.

Q. How were these proposed target heat rates determined?

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

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

A. Page 2 of Schedule 1 of my exhibit shows the target average net operating heat rate equations for the proposed GPIF units and pages 4 through 40 of Schedule 1 contain the weekly historical data used for the statistical development of these equations. Pages 41 through 43 of Schedule 1 present the calculations that provide the unit target heat rates from the target equations.

Q. Were the maximum and minimum attainable heat rates for each proposed GPIF unit indicated on page 44 of Schedule 1 of your exhibit calculated according to the appropriate GPIF Implementation Manual procedures?

A. Yes.

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

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

Q. How were the target equivalent availabilities determined?

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

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

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

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

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

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

A. Yes. Gulf asks that the Commission accept:

1. Crist Units 4, 5, 6 and 7, Smith Units 1 and 2, and Daniel Units 1 and 2 for inclusion under the GPIF for the period of January 1, 2010 through December 31, 2010.

2. The target, maximum attainable, and minimum attainable average net operating heat rates, as proposed by the Company and as shown on page 44 of Schedule 1 and also on page 5 of Schedule 3 of my exhibit.

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

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

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

A. Yes.

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 090001-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.

M. A. Young III

Melvin A. Young, III
Power Generation Specialist, Senior

Sworn to and subscribed before me this 28th day of August, 2009.

Linda C. Webb

Notary Public, State of Florida at Large

Commission Number:

Commission Expires:

LINDA C. WEBB
Notary Public-State of Florida
Comm. Exp. May 31, 2010
Comm. No. DD 541216

Florida Public Service Commission
Docket No. 090001-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 090001-EI

I. DETERMINATION OF HEAT RATE TARGETS

Target Heat Rate Equations

Crist 4 ANOHR = 10^6 / AKW * [1360.90 - 26.57 * JAN - 25.71 * FEB - 43.72 * APR - 33.69 * MAY + 17.95 * AUG - 17.31 * NOV]

- 35180 + 0.37811 * LSRF / AKW

Crist 5 ANOHR = 10^6 / AKW * [68.22 + 26.89 * MAR + 21.84 * MAY + 29.87 * JUN + 31.73 * JUL + 49.76 * AUG + 33.72 * SEP +

15.55 * OCT] + 9,414

Crist 6 ANOHR = 10^6 / AKW * [296.07 - 47.17 * FEB - 87.78 * NOV]

+ 9,538

Crist 7 ANOHR = 10^6 / AKW * [173.73 + 162.82 * MAR + 163.38 * APR + 110.30 * MAY + 180.34 * JUN + 70.53 * JUL + 158.99 * AUG +

84.09 * SEP] + 10,050

Smith 1 ANOHR = 10^6 / AKW * [687.91 - 14.60 * MAY + 14.79 * JUL - 15.35 * SEP - 8.29 * OCT]

+ 84 + 0.03669 * LSRF / AKW

Smith 2 ANOHR = 10^6 / AKW * [104.09 + 19.47 * JAN + 30.73 * JUN + 21.41 * JUL + 14.11 * AUG]

+ 9,055 + 0.00351 * LSRF / AKW

Daniel 1 ANOHR = 10^6 / AKW * [1634.36 + 42.82 * JAN + 46.68 * MAY]

+ 2,345 + 0.00898 * LSRF / AKW

Daniel 2 ANOHR = 10^6 / AKW * [1662.56 - 88.78 * JAN - 74.02 * FEB - 93.64 * MAR + 51.38 * AUG + 58.75 * SEP]

+ 2,870 + 0.00738 * LSRF / AKW

Where:

ANOHR = Average Net Operating Heat Rate, BTU/KWH
AKW = Average Kilowatt Load, KW
LSRF = Load Square Range Factor, KW^2
BTU/LB = Coal Burned Average Heat Content, BTU/LB
JAN = January, 0 if not January, 1 if January
FEB = February, 0 if not February, 1 if February
MAR = March, 0 if not March, 1 if March
APR = April, 0 if not April, 1 if April
MAY = May, 0 if not May, 1 if May
JUN = June, 0 if not June, 1 if June
JUL = July, 0 if not July, 1 if July
AUG = August, 0 if not August, 1 if August
SEP = September, 0 if not September, 1 if September
OCT = October, 0 if not October, 1 if October
NOV = November, 0 if not November, 1 if November

WEEKLY UNIT OPERATING

DATA USED TO DEVELOP

TARGET HEAT RATE EQUATIONS

Data Base for CRIST 4 Target Heat Rate Equation

	HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
	10316	168	72.5	5294	0	0	0	0	0	0	1	0	0	0	0	0	2006
	10915	168	68.5	4837	0	0	0	0	0	0	1	0	0	0	0	0	2006
	11293	168	71.0	5125	0	0	0	0	0	0	1	0	0	0	0	0	2006
	11346	168	70.4	5018	0	0	0	0	0	0	1	0	0	0	0	0	2006
	11724	168	69.8	4956	0	0	0	0	0	0	0	1	0	0	0	0	2006
	11903	168	71.9	5209	0	0	0	0	0	0	0	1	0	0	0	0	2006
	11756	168	70.7	5056	0	0	0	0	0	0	0	1	0	0	0	0	2006
*	9573	168	69.0	4871	0	0	0	0	0	0	0	1	0	0	0	0	2006
	11317	168	68.5	4774	0	0	0	0	0	0	0	1	0	0	0	0	2006
	11682	168	67.3	4607	0	0	0	0	0	0	0	0	1	0	0	0	2006
	11204	168	65.1	4342	0	0	0	0	0	0	0	0	1	0	0	0	2006
	11027	168	64.2	4254	0	0	0	0	0	0	0	0	1	0	0	0	2006
	10955	168	60.1	3761	0	0	0	0	0	0	0	0	1	0	0	0	2006
	11254	168	61.6	3958	0	0	0	0	0	0	0	0	0	1	0	0	2006
	11186	139	64.3	4352	0	0	0	0	0	0	0	0	0	1	0	1	2006
	10747	168	67.5	4696	0	0	0	0	0	0	0	0	0	0	1	0	2006
	10852	168	67.1	4569	0	0	0	0	0	0	0	0	0	0	1	0	2006
	10712	168	69.6	4945	0	0	0	0	0	0	0	0	0	0	1	0	2006
	10856	168	66.4	4579	0	0	0	0	0	0	0	0	0	0	1	0	2006
	10803	168	68.0	4736	0	0	0	0	0	0	0	0	0	0	0	0	2006
	10872	168	66.9	4603	0	0	0	0	0	0	0	0	0	0	0	0	2006
	10923	144	63.9	4244	0	0	0	0	0	0	0	0	0	0	0	0	2006
	10593	140	58.4	3561	1	0	0	0	0	0	0	0	0	0	0	1	2007
	10641	168	60.1	3752	1	0	0	0	0	0	0	0	0	0	0	0	2007
	11016	168	65.9	4438	1	0	0	0	0	0	0	0	0	0	0	0	2007
	10754	168	65.5	4405	1	0	0	0	0	0	0	0	0	0	0	0	2007
	10675	168	67.8	4674	0	1	0	0	0	0	0	0	0	0	0	0	2007
	10619	168	64.8	4313	0	1	0	0	0	0	0	0	0	0	0	0	2007
	10707	168	69.4	4907	0	1	0	0	0	0	0	0	0	0	0	0	2007
	10754	168	63.6	4137	0	1	0	0	0	0	0	0	0	0	0	0	2007
	10740	168	60.6	3761	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10784	167	64.5	4265	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10720	168	64.9	4323	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10683	168	64.9	4363	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10716	168	67.3	4635	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10961	168	62.2	3996	0	0	0	1	0	0	0	0	0	0	0	0	2007
	10471	168	69.0	4830	0	0	0	1	0	0	0	0	0	0	0	0	2007
	10679	168	66.7	4536	0	0	0	1	0	0	0	0	0	0	0	0	2007
	10890	168	65.8	4434	0	0	0	1	0	0	0	0	0	0	0	0	2007
	10869	168	65.7	4410	0	0	0	0	1	0	0	0	0	0	0	0	2007
	11058	168	64.8	4314	0	0	0	0	1	0	0	0	0	0	0	0	2007
	11133	168	62.7	4087	0	0	0	0	1	0	0	0	0	0	0	0	2007
	10919	168	63.3	4176	0	0	0	0	1	0	0	0	0	0	0	0	2007
	11024	168	66.2	4524	0	0	0	0	1	0	0	0	0	0	0	0	2007
	11134	168	70.3	5007	0	0	0	0	0	1	0	0	0	0	0	0	2007
	11347	168	67.9	4704	0	0	0	0	0	1	0	0	0	0	0	0	2007
	11362	168	67.9	4690	0	0	0	0	0	1	0	0	0	0	0	0	2007

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
	11331	144	69.4	4859	0	0	0	0	0	1	0	0	0	0	0	0	2007
	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

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
10702	168	57.6	3460	0	0	0	0	0	0	0	1	0	0	0	0	2008
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

Data Base for CRIST 4 Target Heat Rate Equation

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

Data Base for CRIST 5 Target Heat Rate Equation

	HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
*	12763	133	67.6	4685	0	0	0	0	0	1	0	0	0	0	0	1	2006
	10732	168	70.8	5062	0	0	0	0	0	1	0	0	0	0	0	0	2006
	10430	144	69.6	4922	0	0	0	0	0	1	0	0	0	0	0	0	2006
	10836	168	69.9	4933	0	0	0	0	0	0	1	0	0	0	0	0	2006
	10858	168	70.1	4970	0	0	0	0	0	0	1	0	0	0	0	0	2006
	10909	168	70.3	5016	0	0	0	0	0	0	1	0	0	0	0	0	2006
	10870	168	69.8	4948	0	0	0	0	0	0	1	0	0	0	0	0	2006
	10772	168	70.0	4959	0	0	0	0	0	0	0	1	0	0	0	0	2006
	11124	168	70.0	4950	0	0	0	0	0	0	0	1	0	0	0	0	2006
	11167	168	69.0	4817	0	0	0	0	0	0	0	1	0	0	0	0	2006
	10984	168	69.1	4870	0	0	0	0	0	0	0	1	0	0	0	0	2006
	11087	168	69.3	4871	0	0	0	0	0	0	0	1	0	0	0	0	2006
	11301	168	68.0	4676	0	0	0	0	0	0	0	0	1	0	0	0	2006
	11458	168	63.3	4112	0	0	0	0	0	0	0	0	1	0	0	0	2006
	11356	168	61.8	3924	0	0	0	0	0	0	0	0	1	0	0	0	2006
	11339	168	60.4	3764	0	0	0	0	0	0	0	0	1	0	0	0	2006
	11351	167	60.8	3853	0	0	0	0	0	0	0	0	0	1	0	0	2006
*	14390	14	44.3	2126	0	0	0	0	0	0	0	0	0	1	0	1	2006
	10660	169	67.6	4635	0	0	0	0	0	0	0	0	0	1	0	0	2006
	10453	168	67.3	4640	0	0	0	0	0	0	0	0	0	0	1	0	2006
	10668	168	64.8	4258	0	0	0	0	0	0	0	0	0	0	1	0	2006
	10498	168	70.7	5057	0	0	0	0	0	0	0	0	0	0	1	0	2006
	10344	168	68.0	4771	0	0	0	0	0	0	0	0	0	0	1	0	2006
	10608	168	68.2	4760	0	0	0	0	0	0	0	0	0	0	0	0	2006
	10613	168	68.8	4853	0	0	0	0	0	0	0	0	0	0	0	0	2006
	10526	168	65.2	4415	0	0	0	0	0	0	0	0	0	0	0	0	2006
	10838	48	50.4	2621	0	0	0	0	0	0	0	0	0	0	0	0	2006
	10606	145	56.1	3277	1	0	0	0	0	0	0	0	0	0	0	1	2007
	10425	168	57.9	3482	1	0	0	0	0	0	0	0	0	0	0	0	2007
	10741	168	66.6	4540	1	0	0	0	0	0	0	0	0	0	0	0	2007
	10807	168	63.8	4173	1	0	0	0	0	0	0	0	0	0	0	0	2007
	10080	168	71.5	5181	0	1	0	0	0	0	0	0	0	0	0	0	2007
	10812	168	64.0	4184	0	1	0	0	0	0	0	0	0	0	0	0	2007
*	11816	86	61.1	3905	0	1	0	0	0	0	0	0	0	0	0	1	2007
	10717	163	62.6	4029	0	1	0	0	0	0	0	0	0	0	0	0	2007
	10526	168	62.0	3944	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10644	167	64.7	4295	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10649	168	66.6	4553	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10527	168	66.6	4582	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10561	168	67.7	4697	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10731	168	64.8	4302	0	0	0	1	0	0	0	0	0	0	0	0	2007
	10327	168	70.5	5039	0	0	0	1	0	0	0	0	0	0	0	0	2007
	10427	168	68.2	4759	0	0	0	1	0	0	0	0	0	0	0	0	2007
	10500	168	66.0	4474	0	0	0	1	0	0	0	0	0	0	0	0	2007
	10638	168	65.7	4418	0	0	0	0	1	0	0	0	0	0	0	0	2007
	10725	168	65.7	4428	0	0	0	0	1	0	0	0	0	0	0	0	2007
	10818	168	63.2	4155	0	0	0	0	1	0	0	0	0	0	0	0	2007

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
	10790	168	63.9	4265	0	0	0	0	1	0	0	0	0	0	0	0	2007
	10735	168	66.8	4597	0	0	0	0	1	0	0	0	0	0	0	0	2007
	10705	168	70.6	5048	0	0	0	0	0	1	0	0	0	0	0	0	2007
	10868	168	69.2	4889	0	0	0	0	0	1	0	0	0	0	0	0	2007
	11016	168	68.0	4730	0	0	0	0	0	1	0	0	0	0	0	0	2007
	10705	144	70.6	5036	0	0	0	0	0	1	0	0	0	0	0	0	2007
	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

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
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
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

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
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

Data Base for CRIST 5 Target Heat Rate Equation

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

Data Base for CRIST '6 Target Heat Rate Equation

	HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
	10607	168	290.0	18975	0	0	0	0	0	0	1	0	0	0	0	0	2006
	10493	168	291.9	19942	0	0	0	0	0	0	1	0	0	0	0	0	2006
	10545	168	279.2	14117	0	0	0	0	0	0	1	0	0	0	0	0	2006
	10329	168	291.8	19716	0	0	0	0	0	0	1	0	0	0	0	0	2006
	10322	168	290.3	18792	0	0	0	0	0	0	0	1	0	0	0	0	2006
	10820	134	271.7	11193	0	0	0	0	0	0	0	1	0	0	0	1	2006
	10423	168	295.9	22058	0	0	0	0	0	0	0	1	0	0	0	0	2006
	10400	168	291.9	19747	0	0	0	0	0	0	0	1	0	0	0	0	2006
	10534	168	290.9	19215	0	0	0	0	0	0	0	1	0	0	0	0	2006
	10879	105	266.3	9346	0	0	0	0	0	0	0	0	1	0	0	2	2006
	10677	168	280.3	13798	0	0	0	0	0	0	0	0	1	0	0	0	2006
	10503	168	259.5	3112	0	0	0	0	0	0	0	0	1	0	0	0	2006
	10515	168	266.8	7001	0	0	0	0	0	0	0	0	1	0	0	0	2006
	10406	168	281.3	13746	0	0	0	0	0	0	0	0	0	1	0	0	2006
	10268	168	277.4	11948	0	0	0	0	0	0	0	0	0	1	0	0	2006
	10408	168	275.6	10793	0	0	0	0	0	0	0	0	0	1	0	0	2006
	10273	157	262.1	6195	0	0	0	0	0	0	0	0	0	1	0	0	2006
	10453	95	260.8	5803	0	0	0	0	0	0	0	0	0	1	0	1	2006
	10529	168	278.6	12720	0	0	0	0	0	0	0	0	0	0	1	0	2006
	10263	168	259.5	2766	0	0	0	0	0	0	0	0	0	0	1	0	2006
	10380	168	281.1	13751	0	0	0	0	0	0	0	0	0	0	1	0	2006
	10275	168	271.4	9087	0	0	0	0	0	0	0	0	0	0	1	0	2006
	10420	168	273.8	10354	0	0	0	0	0	0	0	0	0	0	0	0	2006
	10346	118	259.9	3846	0	0	0	0	0	0	0	0	0	0	0	0	2006
*	16417	62	120.0	14784	0	0	0	0	0	0	0	0	0	0	0	1	2006
	11148	168	185.3	36836	0	0	0	0	0	0	0	0	0	0	0	0	2006
*	9881	24	176.2	32896	0	0	0	0	0	0	0	0	0	0	0	0	2006
	10465	168	204.2	44974	1	0	0	0	0	0	0	0	0	0	0	0	2007
	10532	168	193.4	39419	1	0	0	0	0	0	0	0	0	0	0	0	2007
	10423	168	239.3	59467	1	0	0	0	0	0	0	0	0	0	0	0	2007
	10643	168	250.2	65107	1	0	0	0	0	0	0	0	0	0	0	0	2007
*	12129	126	256.4	3291	0	1	0	0	0	0	0	0	0	0	0	1	2007
	10392	168	234.8	58029	0	1	0	0	0	0	0	0	0	0	0	0	2007
	10234	168	263.8	6783	0	1	0	0	0	0	0	0	0	0	0	0	2007
	10373	168	239.4	59224	0	1	0	0	0	0	0	0	0	0	0	0	2007
	10523	168	228.5	53847	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10479	167	239.1	60368	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10524	168	238.8	60353	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10502	168	242.4	62769	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10745	168	243.8	63142	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10741	168	237.5	59399	0	0	0	1	0	0	0	0	0	0	0	0	2007
	10141	168	265.6	6719	0	0	0	1	0	0	0	0	0	0	0	0	2007
	10222	168	252.5	382	0	0	0	1	0	0	0	0	0	0	0	0	2007
	11057	95	239.6	60606	0	0	0	1	0	0	0	0	0	0	0	0	2007
	10931	167	235.5	59031	0	0	0	0	1	0	0	0	0	0	0	1	2007
	10648	168	241.6	62389	0	0	0	0	1	0	0	0	0	0	0	0	2007
	10784	168	230.2	57342	0	0	0	0	1	0	0	0	0	0	0	0	2007

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
	10667	168	233.9	58658	0	0	0	0	1	0	0	0	0	0	0	0	2007
	10773	168	250.0	988	0	0	0	0	1	0	0	0	0	0	0	0	2007
	10716	168	272.2	10614	0	0	0	0	0	1	0	0	0	0	0	0	2007
	10722	168	265.4	7573	0	0	0	0	0	1	0	0	0	0	0	0	2007
	10853	168	262.8	5734	0	0	0	0	0	1	0	0	0	0	0	0	2007
	10483	144	278.2	12766	0	0	0	0	0	1	0	0	0	0	0	0	2007
	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

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
	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
	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

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
10620	144	205.1	46064	0	0	0	0	0	1	0	0	0	0	0	0	2009

Data Base for CRIST 6 Target Heat Rate Equation

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

Data Base for CRIST 7 Target Heat Rate Equation

	HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
	10669	168	372.4	14413	0	0	0	0	0	0	1	0	0	0	0	0	2006
	10450	168	450.7	7635	0	0	0	0	0	0	1	0	0	0	0	0	2006
	10551	168	458.5	14160	0	0	0	0	0	0	1	0	0	0	0	0	2006
	10633	168	438.4	1040	0	0	0	0	0	0	1	0	0	0	0	0	2006
	10968	60	396.2	36741	0	0	0	0	0	0	0	1	0	0	0	1	2006
	10754	168	436.7	61663	0	0	0	0	0	0	0	1	0	0	0	0	2006
	10783	142	442.2	300	0	0	0	0	0	0	0	1	0	0	0	0	2006
	10850	163	420.0	52090	0	0	0	0	0	0	0	1	0	0	0	1	2006
	10709	168	441.4	64603	0	0	0	0	0	0	0	1	0	0	0	0	2006
	10564	168	436.1	60883	0	0	0	0	0	0	0	0	1	0	0	0	2006
	10639	168	427.0	54335	0	0	0	0	0	0	0	0	1	0	0	0	2006
	10613	168	421.5	50310	0	0	0	0	0	0	0	0	1	0	0	0	2006
	10507	168	420.8	50044	0	0	0	0	0	0	0	0	1	0	0	0	2006
	10694	134	378.2	23697	0	0	0	0	0	0	0	0	0	1	0	1	2006
	10369	168	442.2	1523	0	0	0	0	0	0	0	0	0	1	0	0	2006
	10678	168	411.5	40771	0	0	0	0	0	0	0	0	0	1	0	0	2006
	10379	168	453.5	9657	0	0	0	0	0	0	0	0	0	1	0	0	2006
	10485	169	446.2	3691	0	0	0	0	0	0	0	0	0	1	0	0	2006
	10575	3	208.7	60203	0	0	0	0	0	0	0	0	0	0	1	0	2006
*	14937	18	131.6	19802	0	0	0	0	0	0	0	0	0	0	1	0	2006
	10397	168	425.0	55548	0	0	0	0	0	0	0	0	0	0	0	0	2006
	10387	168	442.3	1293	0	0	0	0	0	0	0	0	0	0	0	0	2006
	10292	168	427.6	57379	0	0	0	0	0	0	0	0	0	0	0	0	2006
	10318	168	410.0	42591	0	0	0	0	0	0	0	0	0	0	0	0	2006
	10231	24	397.2	30005	0	0	0	0	0	0	0	0	0	0	0	0	2006
	10538	168	390.5	26847	1	0	0	0	0	0	0	0	0	0	0	0	2007
	10495	168	415.2	46610	1	0	0	0	0	0	0	0	0	0	0	0	2007
	10281	168	425.3	53672	1	0	0	0	0	0	0	0	0	0	0	0	2007
	10666	168	429.2	58239	1	0	0	0	0	0	0	0	0	0	0	0	2007
	10007	168	442.2	1278	0	1	0	0	0	0	0	0	0	0	0	0	2007
*	9439	168	438.5	63323	0	1	0	0	0	0	0	0	0	0	0	0	2007
	9809	63	374.5	20798	0	1	0	0	0	0	0	0	0	0	0	1	2007
*	11746	168	422.3	50997	0	1	0	0	0	0	0	0	0	0	0	0	2007
	11325	168	404.6	39145	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10552	167	428.9	56816	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10661	168	426.5	55519	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10752	168	412.7	43266	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10819	168	413.9	41459	0	0	1	0	0	0	0	0	0	0	0	0	2007
	10880	168	389.3	22195	0	0	0	1	0	0	0	0	0	0	0	0	2007
	11309	48	377.2	15296	0	0	0	1	0	0	0	0	0	0	0	0	2007
	10657	156	434.1	62723	0	0	0	1	0	0	0	0	0	0	0	1	2007
	10549	136	440.6	49	0	0	0	0	1	0	0	0	0	0	0	0	2007
	10780	161	402.3	38824	0	0	0	0	1	0	0	0	0	0	0	1	2007
	10730	168	410.7	43380	0	0	0	0	1	0	0	0	0	0	0	0	2007
	10666	164	397.9	36491	0	0	0	0	1	0	0	0	0	0	0	0	2007
	10732	168	433.5	61471	0	0	0	0	1	0	0	0	0	0	0	0	2007
	11203	168	434.3	61850	0	0	0	0	0	1	0	0	0	0	0	0	2007

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
	10998	168	441.5	1553	0	0	0	0	0	1	0	0	0	0	0	0	2007
	11151	168	446.5	5255	0	0	0	0	0	1	0	0	0	0	0	0	2007
*	7593	38	459.9	15902	0	0	0	0	0	1	0	0	0	0	0	0	2007
	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

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
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
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

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
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
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

Data Base for CRIST 7 Target Heat Rate Equation

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

Data Base for SMITH 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10469	168	152.9	23717	0	0	0	0	0	0	1	0	0	0	0	0	2006
10548	168	146.9	22181	0	0	0	0	0	0	1	0	0	0	0	0	2006
10426	168	152.0	23390	0	0	0	0	0	0	1	0	0	0	0	0	2006
10518	137	142.4	21064	0	0	0	0	0	0	1	0	0	0	0	1	2006
10300	168	155.9	24422	0	0	0	0	0	0	0	1	0	0	0	0	2006
10370	168	150.2	22947	0	0	0	0	0	0	0	1	0	0	0	0	2006
10224	168	153.6	23900	0	0	0	0	0	0	0	1	0	0	0	0	2006
10361	168	148.0	22351	0	0	0	0	0	0	0	1	0	0	0	0	2006
10127	168	154.8	24242	0	0	0	0	0	0	0	1	0	0	0	0	2006
10255	168	152.2	23509	0	0	0	0	0	0	0	0	1	0	0	0	2006
10277	168	145.9	22145	0	0	0	0	0	0	0	0	1	0	0	0	2006
10506	112	137.8	20320	0	0	0	0	0	0	0	0	1	0	0	1	2006
11037	20	80.3	7079	0	0	0	0	0	0	0	0	1	0	0	0	2006
10360	146	143.3	21267	0	0	0	0	0	0	0	0	0	1	0	1	2006
10276	168	151.2	23315	0	0	0	0	0	0	0	0	0	1	0	0	2006
10264	168	146.4	22068	0	0	0	0	0	0	0	0	0	1	0	0	2006
10196	168	138.4	19927	0	0	0	0	0	0	0	0	0	1	0	0	2006
10572	121	106.5	11688	0	0	0	0	0	0	0	0	0	1	0	0	2006
10439	140	146.7	22082	0	0	0	0	0	0	0	0	0	0	1	1	2006
10249	168	150.4	22946	0	0	0	0	0	0	0	0	0	0	1	0	2006
10199	168	156.7	24743	0	0	0	0	0	0	0	0	0	0	1	0	2006
10243	168	150.4	22891	0	0	0	0	0	0	0	0	0	0	1	0	2006
10215	168	145.0	21326	0	0	0	0	0	0	0	0	0	0	0	0	2006
10229	168	144.4	21141	0	0	0	0	0	0	0	0	0	0	0	0	2006
10308	168	146.5	21828	0	0	0	0	0	0	0	0	0	0	0	0	2006
10330	168	134.6	18396	0	0	0	0	0	0	0	0	0	0	0	0	2006
10308	24	128.0	16576	0	0	0	0	0	0	0	0	0	0	0	0	2006
10263	168	133.8	18206	1	0	0	0	0	0	0	0	0	0	0	0	2007
10365	168	125.1	15779	1	0	0	0	0	0	0	0	0	0	0	0	2007
10410	168	132.9	17911	1	0	0	0	0	0	0	0	0	0	0	0	2007
10402	168	137.4	19325	1	0	0	0	0	0	0	0	0	0	0	0	2007
10322	168	143.1	20800	0	1	0	0	0	0	0	0	0	0	0	0	2007
10334	168	138.9	19662	0	1	0	0	0	0	0	0	0	0	0	0	2007
10297	168	144.7	21275	0	1	0	0	0	0	0	0	0	0	0	0	2007
10300	168	127.8	16908	0	1	0	0	0	0	0	0	0	0	0	0	2007
10437	168	125.1	16207	0	0	1	0	0	0	0	0	0	0	0	0	2007
10307	121	142.4	20630	0	0	1	0	0	0	0	0	0	0	0	0	2007
11053	99	112.9	16908	0	0	0	0	1	0	0	0	0	0	0	1	2007
10182	168	143.9	21100	0	0	0	0	1	0	0	0	0	0	0	0	2007
10146	168	139.5	19960	0	0	0	0	1	0	0	0	0	0	0	0	2007
10222	168	144.2	21308	0	0	0	0	0	1	0	0	0	0	0	0	2007
10192	168	153.4	23787	0	0	0	0	0	1	0	0	0	0	0	0	2007
10176	168	149.1	22635	0	0	0	0	0	1	0	0	0	0	0	0	2007
10203	168	147.8	22281	0	0	0	0	0	1	0	0	0	0	0	0	2007
10341	120	148.8	22531	0	0	0	0	0	1	0	0	0	0	0	0	2007
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

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
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
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

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
	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

Data Base for SMITH 1 Target Heat Rate Equation

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

Data Base for SMITH 2 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
10420	168	178.6	32615	0	0	0	0	0	0	1	0	0	0	0	0	2006
10490	168	167.0	29231	0	0	0	0	0	0	1	0	0	0	0	0	2006
10506	168	130.8	17194	0	0	0	0	0	0	1	0	0	0	0	0	2006
10503	168	179.6	32742	0	0	0	0	0	0	1	0	0	0	0	0	2006
10450	168	183.5	33883	0	0	0	0	0	0	0	1	0	0	0	0	2006
10474	168	172.7	30897	0	0	0	0	0	0	0	1	0	0	0	0	2006
10320	168	177.9	32462	0	0	0	0	0	0	0	1	0	0	0	0	2006
10401	168	173.0	30893	0	0	0	0	0	0	0	1	0	0	0	0	2006
10228	168	184.1	34330	0	0	0	0	0	0	0	1	0	0	0	0	2006
10373	168	177.5	32284	0	0	0	0	0	0	0	0	1	0	0	0	2006
10291	168	179.7	32965	0	0	0	0	0	0	0	0	1	0	0	0	2006
10357	97	165.7	28480	0	0	0	0	0	0	0	0	1	0	0	0	2006
10975	32	91.2	10126	0	0	0	0	0	0	0	0	1	0	0	1	2006
10558	55	165.7	30075	0	0	0	0	0	0	0	0	0	1	0	1	2006
10205	168	180.3	32862	0	0	0	0	0	0	0	0	0	1	0	0	2006
10188	169	183.5	33954	0	0	0	0	0	0	0	0	0	1	0	0	2006
10311	168	176.2	31628	0	0	0	0	0	0	0	0	0	0	1	0	2006
10241	168	179.5	32705	0	0	0	0	0	0	0	0	0	0	1	0	2006
10195	168	180.1	32833	0	0	0	0	0	0	0	0	0	0	1	0	2006
10306	159	178.6	32786	0	0	0	0	0	0	0	0	0	0	1	0	2006
10218	168	170.1	29578	0	0	0	0	0	0	0	0	0	0	0	0	2006
10195	168	167.5	28762	0	0	0	0	0	0	0	0	0	0	0	0	2006
10274	168	168.7	29386	0	0	0	0	0	0	0	0	0	0	0	0	2006
10329	168	153.0	24078	0	0	0	0	0	0	0	0	0	0	0	0	2006
10245	24	140.8	20474	0	0	0	0	0	0	0	0	0	0	0	0	2006
10279	168	155.6	24994	1	0	0	0	0	0	0	0	0	0	0	0	2007
10502	130	151.2	24276	1	0	0	0	0	0	0	0	0	0	0	1	2007
10392	168	158.7	25664	1	0	0	0	0	0	0	0	0	0	0	0	2007
10392	168	162.6	27195	1	0	0	0	0	0	0	0	0	0	0	0	2007
10284	168	168.8	29130	0	1	0	0	0	0	0	0	0	0	0	0	2007
10332	168	163.0	27385	0	1	0	0	0	0	0	0	0	0	0	0	2007
10282	168	173.4	30698	0	1	0	0	0	0	0	0	0	0	0	0	2007
10332	168	157.9	25798	0	1	0	0	0	0	0	0	0	0	0	0	2007
10313	168	147.6	22734	0	0	1	0	0	0	0	0	0	0	0	0	2007
10251	167	165.5	28051	0	0	1	0	0	0	0	0	0	0	0	0	2007
10260	168	161.0	26786	0	0	1	0	0	0	0	0	0	0	0	0	2007
10296	168	163.9	27879	0	0	1	0	0	0	0	0	0	0	0	0	2007
10238	72	163.4	27708	0	0	1	0	0	0	0	0	0	0	0	0	2007
10224	87	164.5	28662	0	0	0	1	0	0	0	0	0	0	0	1	2007
10114	118	175.6	31951	0	0	0	1	0	0	0	0	0	0	0	1	2007
10154	168	178.6	32530	0	0	0	1	0	0	0	0	0	0	0	0	2007
10279	168	181.3	33257	0	0	0	0	1	0	0	0	0	0	0	0	2007
10185	168	179.2	32642	0	0	0	0	1	0	0	0	0	0	0	0	2007
10222	168	169.5	29596	0	0	0	0	1	0	0	0	0	0	0	0	2007
10229	168	167.5	29050	0	0	0	0	1	0	0	0	0	0	0	0	2007
10270	168	171.6	30483	0	0	0	0	1	0	0	0	0	0	0	0	2007
10455	134	177.9	32990	0	0	0	0	0	1	0	0	0	0	0	1	2007

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
10363	168	179.2	32820	0	0	0	0	0	1	0	0	0	0	0	0	2007
10399	168	178.3	32544	0	0	0	0	0	1	0	0	0	0	0	0	2007
10522	144	180.2	33106	0	0	0	0	0	1	0	0	0	0	0	0	2007
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

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
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
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

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
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
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

Data Base for SMITH 2 Target Heat Rate Equation

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

Data Base for DANIEL 1 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
9781	168	495.6	49898	0	0	0	0	0	0	1	0	0	0	0	0	2006
9904	168	488.4	44478	0	0	0	0	0	0	1	0	0	0	0	0	2006
9970	168	493.5	47712	0	0	0	0	0	0	1	0	0	0	0	0	2006
10035	168	500.1	53541	0	0	0	0	0	0	1	0	0	0	0	0	2006
10109	168	497.4	51440	0	0	0	0	0	0	0	1	0	0	0	0	2006
10169	168	491.7	46982	0	0	0	0	0	0	0	1	0	0	0	0	2006
10110	159	480.1	39302	0	0	0	0	0	0	0	1	0	0	0	0	2006
10019	168	496.3	50955	0	0	0	0	0	0	0	1	0	0	0	0	2006
9975	168	490.8	46678	0	0	0	0	0	0	0	1	0	0	0	0	2006
10141	168	498.3	52344	0	0	0	0	0	0	0	0	1	0	0	0	2006
10251	168	493.7	49367	0	0	0	0	0	0	0	0	1	0	0	0	2006
10241	168	498.3	52662	0	0	0	0	0	0	0	0	1	0	0	0	2006
10033	168	494.5	48638	0	0	0	0	0	0	0	0	1	0	0	0	2006
10279	149	440.1	12364	0	0	0	0	0	0	0	0	0	1	0	0	2006
10024	168	466.5	31949	0	0	0	0	0	0	0	0	0	1	0	0	2006
10046	168	499.3	53634	0	0	0	0	0	0	0	0	0	1	0	0	2006
10165	168	499.0	53499	0	0	0	0	0	0	0	0	0	1	0	0	2006
10109	169	498.9	53223	0	0	0	0	0	0	0	0	0	1	0	0	2006
9949	168	480.5	36996	0	0	0	0	0	0	0	0	0	0	1	0	2006
9891	168	497.6	52417	0	0	0	0	0	0	0	0	0	0	1	0	2006
10115	168	495.9	50133	0	0	0	0	0	0	0	0	0	0	1	0	2006
9936	168	484.6	39217	0	0	0	0	0	0	0	0	0	0	1	0	2006
10220	168	497.6	51651	0	0	0	0	0	0	0	0	0	0	0	0	2006
10242	168	469.5	28502	0	0	0	0	0	0	0	0	0	0	0	0	2006
10179	168	482.0	37553	0	0	0	0	0	0	0	0	0	0	0	0	2006
10208	168	498.2	52859	0	0	0	0	0	0	0	0	0	0	0	0	2006
10326	24	502.6	56028	0	0	0	0	0	0	0	0	0	0	0	0	2006
10188	168	458.5	16532	1	0	0	0	0	0	0	0	0	0	0	0	2007
10229	168	468.8	24625	1	0	0	0	0	0	0	0	0	0	0	0	2007
10277	168	490.1	44650	1	0	0	0	0	0	0	0	0	0	0	0	2007
10312	168	480.4	34877	1	0	0	0	0	0	0	0	0	0	0	0	2007
10249	165	468.6	27396	0	1	0	0	0	0	0	0	0	0	0	0	2007
10127	168	471.7	28123	0	1	0	0	0	0	0	0	0	0	0	0	2007
10215	168	484.9	39199	0	1	0	0	0	0	0	0	0	0	0	0	2007
10059	168	475.3	29985	0	1	0	0	0	0	0	0	0	0	0	0	2007
10095	168	466.2	21163	0	0	1	0	0	0	0	0	0	0	0	0	2007
10207	167	476.0	30544	0	0	1	0	0	0	0	0	0	0	0	0	2007
10145	120	484.1	40678	0	0	1	0	0	0	0	0	0	0	0	0	2007
11227	29	369.1	20594	0	0	1	0	0	0	0	0	0	0	0	1	2007
10130	168	463.5	23402	0	0	1	0	0	0	0	0	0	0	0	0	2007
10127	168	416.2	53044	0	0	0	1	0	0	0	0	0	0	0	0	2007
10035	168	452.9	14258	0	0	0	1	0	0	0	0	0	0	0	0	2007
10168	168	425.7	56888	0	0	0	1	0	0	0	0	0	0	0	0	2007
10167	168	434.2	64930	0	0	0	1	0	0	0	0	0	0	0	0	2007
10129	168	431.3	61070	0	0	0	0	1	0	0	0	0	0	0	0	2007
10438	168	428.2	62469	0	0	0	0	1	0	0	0	0	0	0	0	2007
10458	168	401.4	43680	0	0	0	0	1	0	0	0	0	0	0	0	2007

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
10475	168	405.3	48813	0	0	0	0	1	0	0	0	0	0	0	0	2007
10270	168	421.7	61463	0	0	0	0	1	0	0	0	0	0	0	0	2007
10006	168	463.0	24068	0	0	0	0	0	1	0	0	0	0	0	0	2007
10146	168	448.9	13789	0	0	0	0	0	1	0	0	0	0	0	0	2007
10142	165	440.1	8099	0	0	0	0	0	1	0	0	0	0	0	0	2007
10023	144	466.9	25035	0	0	0	0	0	1	0	0	0	0	0	0	2007
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

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
	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
	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

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
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

Data Base for DANIEL 1 Target Heat Rate Equation

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

Data Base for DANIEL 2 Target Heat Rate Equation

HR	HOUR	AMW	LSRF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	NS	YEAR
9937	168	485.2	41055	0	0	0	0	0	0	1	0	0	0	0	0	2006
10111	168	472.3	31556	0	0	0	0	0	0	1	0	0	0	0	0	2006
10188	168	441.7	9001	0	0	0	0	0	0	1	0	0	0	0	0	2006
10220	168	438.7	4615	0	0	0	0	0	0	1	0	0	0	0	0	2006
10159	168	467.2	25167	0	0	0	0	0	0	0	1	0	0	0	0	2006
10139	168	472.9	31855	0	0	0	0	0	0	0	1	0	0	0	0	2006
10123	168	479.5	35611	0	0	0	0	0	0	0	1	0	0	0	0	2006
10120	168	457.2	17546	0	0	0	0	0	0	0	1	0	0	0	0	2006
10100	168	452.8	13731	0	0	0	0	0	0	0	1	0	0	0	0	2006
10306	168	469.4	28216	0	0	0	0	0	0	0	0	1	0	0	0	2006
10381	168	456.1	19518	0	0	0	0	0	0	0	0	1	0	0	0	2006
10416	168	420.2	59363	0	0	0	0	0	0	0	0	1	0	0	0	2006
10157	168	362.6	16638	0	0	0	0	0	0	0	0	1	0	0	0	2006
10225	164	388.8	37659	0	0	0	0	0	0	0	0	0	1	0	0	2006
10203	168	421.6	51870	0	0	0	0	0	0	0	0	0	1	0	0	2006
10068	168	468.3	29809	0	0	0	0	0	0	0	0	0	1	0	0	2006
10192	168	471.2	32467	0	0	0	0	0	0	0	0	0	1	0	0	2006
10165	169	462.6	24743	0	0	0	0	0	0	0	0	0	1	0	0	2006
10292	168	428.7	353	0	0	0	0	0	0	0	0	0	0	1	0	2006
10097	168	474.3	34889	0	0	0	0	0	0	0	0	0	0	1	0	2006
10287	168	471.8	32024	0	0	0	0	0	0	0	0	0	0	1	0	2006
10123	168	468.9	29347	0	0	0	0	0	0	0	0	0	0	1	0	2006
10207	168	483.0	41117	0	0	0	0	0	0	0	0	0	0	0	0	2006
10121	168	467.4	27608	0	0	0	0	0	0	0	0	0	0	0	0	2006
10336	168	434.3	5240	0	0	0	0	0	0	0	0	0	0	0	0	2006
10484	167	385.7	30794	0	0	0	0	0	0	0	0	0	0	0	0	2006
10370	168	344.7	2690	1	0	0	0	0	0	0	0	0	0	0	0	2007
10097	168	419.1	59699	1	0	0	0	0	0	0	0	0	0	0	0	2007
10136	168	431.1	64197	1	0	0	0	0	0	0	0	0	0	0	0	2007
10195	168	394.0	40873	1	0	0	0	0	0	0	0	0	0	0	0	2007
10269	168	394.1	42642	0	1	0	0	0	0	0	0	0	0	0	0	2007
10271	168	377.6	32903	0	1	0	0	0	0	0	0	0	0	0	0	2007
10239	168	401.9	47599	0	1	0	0	0	0	0	0	0	0	0	0	2007
10355	168	319.6	49458	0	1	0	0	0	0	0	0	0	0	0	0	2007
9975	168	381.8	31475	0	0	1	0	0	0	0	0	0	0	0	0	2007
10367	167	330.7	56457	0	0	1	0	0	0	0	0	0	0	0	0	2007
10229	168	341.1	64681	0	0	1	0	0	0	0	0	0	0	0	0	2007
10104	168	392.6	38237	0	0	1	0	0	0	0	0	0	0	0	0	2007
10159	153	396.7	39727	0	0	0	1	0	0	0	0	0	0	0	1	2007
10023	168	369.2	6066	0	0	0	1	0	0	0	0	0	0	0	0	2007
10055	163	360.1	884	0	0	0	1	0	0	0	0	0	0	0	0	2007
10132	168	412.2	45515	0	0	0	1	0	0	0	0	0	0	0	0	2007
9788	168	453.8	14174	0	0	0	0	1	0	0	0	0	0	0	0	2007
9979	168	448.7	12355	0	0	0	0	1	0	0	0	0	0	0	0	2007
10076	168	419.9	56964	0	0	0	0	1	0	0	0	0	0	0	0	2007
9802	168	426.3	62712	0	0	0	0	1	0	0	0	0	0	0	0	2007
10025	168	440.3	8912	0	0	0	0	1	0	0	0	0	0	0	0	2007

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
10104	168	466.2	26501	0	0	0	0	0	1	0	0	0	0	0	0	2007
10109	168	473.9	31484	0	0	0	0	0	1	0	0	0	0	0	0	2007
10109	168	458.9	20575	0	0	0	0	0	1	0	0	0	0	0	0	2007
10108	144	467.1	25926	0	0	0	0	0	1	0	0	0	0	0	0	2007
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

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
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
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

Data Base for DANIEL 2 Target Heat Rate Equation

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

Calculation of
Target Average Net Operating Heat Rates
for January 2010 - December 2010

Unit	Month	(1) Forecast AKW * 10^3	(2) Forecast LSRF * 10^6	(3) Forecast Monthly ANOHR	(4) Forecast AKWH * 10^3 Generation	(5) Weighted ANOHR Target
CRIST 4	Jan '10	65.2	4,365	10,598	38,872	
	Feb '10	65.1	4,352	10,609	43,416	
	Mar '10	66.4	4,517	11,035	49,009	
	Apr '10	63.0	4,093	10,294	45,038	
	May '10	62.7	4,057	10,452	46,341	
	Jun '10	62.3	4,009	10,993	44,547	
	Jul '10	63.5	4,154	10,988	46,901	
	Aug '10	64.1	4,228	11,271	47,379	
	Sep '10	63.8	4,191	10,989	45,649	
	Oct '10	64.9	4,327	11,001	47,990	
	Nov '10	64.4	4,265	10,725	18,482	
	Dec '10	63.4	4,142	10,988	28,724	10,837
CRIST 5	Jan '10	64.8	4,332	10,467	41,516	
	Feb '10	63.1	4,127	10,495	34,472	
	Mar '10	65.2	4,381	10,873	47,919	
	Apr '10	61.9	3,984	10,516	44,101	
	May '10	62.1	4,008	10,864	45,698	
	Jun '10	62.2	4,020	10,991	44,258	
	Jul '10	62.9	4,103	11,003	46,269	
	Aug '10	64.0	4,236	11,257	47,137	
	Sep '10	63.2	4,139	11,027	45,008	
	Oct '10	64.5	4,296	10,713	47,443	
	Nov '10	63.2	4,139	10,493	45,029	
	Dec '10	62.3	4,032	10,509	45,829	10,777
CRIST 6	Jan '10	199.5	43,129	11,022	124,083	
	Feb '10	197.6	42,344	10,798	86,552	
	Mar '10	214.8	49,571	10,916	153,168	
	Apr '10	200.0	43,336	11,018	138,205	
	May '10	200.8	43,668	11,012	143,403	
	Jun '10	209.7	47,400	10,950	144,936	
	Jul '10	220.4	51,982	10,881	157,332	
	Aug '10	223.6	53,372	10,862	159,648	
	Sep '10	218.3	51,074	10,894	150,847	
	Oct '10	214.2	49,314	10,920	152,970	
	Nov '10	203.9	44,960	10,560	141,072	
	Dec '10	192.8	40,375	11,074	137,657	10,910

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

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

Calculation of
Target Average Net Operating Heat Rates
for January 2010 - December 2010

Unit	Month	(1) Forecast AKW * 10^3	(2) Forecast LSRF * 10^6	(3) Forecast Monthly ANOHR	(4) Forecast AKWH * 10^3 Generation	(5) Weighted ANOHR Target
CRIST 7	Jan '10	425.2	184,777	10,459	235,962	
	Feb '10	425.4	184,935	10,458	264,626	
	Mar '10	426.8	186,041	10,839	293,632	
	Apr '10	400.2	165,545	10,892	266,546	
	May '10	416.5	177,974	10,732	286,976	
	Jun '10	416.8	178,207	10,899	277,568	
	Jul '10	434.5	192,179	10,612	299,376	
	Aug '10	436.5	193,788	10,812	300,752	
	Sep '10	422.2	182,418	10,661	281,178	
	Oct '10	418.0	179,139	10,466	288,010	
	Nov '10	412.6	174,963	10,471	220,351	
	Dec '10	433.9	191,697	10,450	231,284	10,656
SMITH 1	Jan '10	148.0	22,245	10,247	109,253	
	Feb '10	146.5	21,881	10,259	97,717	
	Mar '10	146.6	21,905	10,259	108,040	
	Apr '10	141.9	20,759	10,299	101,322	
	May '10	133.2	18,623	10,269	98,330	
	Jun '10	134.7	18,993	10,364	96,162	
	Jul '10	136.7	19,484	10,454	100,848	
	Aug '10	138.2	19,853	10,332	101,960	
	Sep '10	135.6	19,214	10,243	96,818	
	Oct '10	142.9	21,003	10,233	105,453	
	Nov '10	138.9	20,024	10,326	79,441	
	Dec '10	137.1	19,583	10,342	81,569	10,300
SMITH 2	Jan '10	161.2	26,798	10,405	117,221	
	Feb '10	160.1	26,454	10,285	97,685	
	Mar '10	160.9	26,704	10,284	101,871	
	Apr '10	149.9	23,369	10,297	80,965	
	May '10	148.1	22,843	10,299	52,114	
	Jun '10	148.4	22,930	10,506	104,503	
	Jul '10	153.4	24,407	10,432	111,511	
	Aug '10	155.5	25,040	10,380	113,058	
	Sep '10	151.4	23,811	10,295	106,560	
	Oct '10	154.8	24,828	10,290	112,524	
	Nov '10	144.9	21,923	10,304	102,165	
	Dec '10	142.1	21,132	10,309	103,329	10,345

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

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

Calculation of
Target Average Net Operating Heat Rates
for January 2010 - December 2010

		(1)	(2)	(3)	(4)	(5)	(6)
Unit	Month	Forecast AKW * 10^3	Forecast LSRF * 10^6	Forecast BTU/LB	Forecast Monthly ANOHR	Forecast AKWH * 10^3 Generation	Weighted ANOHR Target
DANIEL 1	Jan '10	380.0	159,193	-	10,521	202,527	
	Feb '10	381.4	160,178	-	10,402	185,757	
	Mar '10	0.0	0	-	-	0	
	Apr '10	385.6	163,142	-	10,383	44,726	
	May '10	388.2	164,983	-	10,492	279,094	
	Jun '10	370.2	152,340	-	10,455	257,689	
	Jul '10	386.5	163,779	-	10,379	277,865	
	Aug '10	396.3	170,754	-	10,338	284,927	
	Sep '10	385.3	162,930	-	10,384	268,193	
	Oct '10	387.0	164,133	-	10,377	278,258	
	Nov '10	375.8	156,247	-	10,428	261,921	
	Dec '10	381.0	159,896	-	10,403	273,908	10,415
DANIEL 2	Jan '10	435.4	199,579	-	9,867	290,442	
	Feb '10	407.1	178,583	-	10,009	196,636	
	Mar '10	423.6	190,741	-	9,897	97,001	
	Apr '10	383.7	161,741	-	10,314	264,743	
	May '10	396.8	171,112	-	10,242	282,940	
	Jun '10	378.0	157,709	-	10,347	260,790	
	Jul '10	394.2	169,240	-	10,256	281,065	
	Aug '10	404.8	176,907	-	10,329	288,610	
	Sep '10	392.9	168,307	-	10,412	271,107	
	Oct '10	395.4	170,103	-	10,250	281,895	
	Nov '10	379.3	158,626	-	10,340	262,123	
	Dec '10	392.6	168,091	-	10,264	279,953	10,231

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

Column (6) = $(\Sigma ((3)*(4))) / (\Sigma (4))$

Summary of Target, Maximum, and Minimum
Average Net Operating Heat Rates
for January 2010 - December 2010

Unit	Target Heat Rate BTU/KWH (0 Points)	Minimum Attainable Heat Rate (+ 10 Points)	Maximum Attainable Heat Rate (- 10 Points)
CRIST 4	10,837	10,512	11,162
CRIST 5	10,777	10,454	11,100
CRIST 6	10,910	10,583	11,237
CRIST 7	10,656	10,336	10,976
SMITH 1	10,300	9,991	10,609
SMITH 2	10,345	10,035	10,655
DANIEL 1	10,415	10,103	10,727
DANIEL 2	10,231	9,924	10,538

II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
Target Equivalent Availabilities
for January 2010 - December 2010

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR *	Planned Outage Hours for Jan '10 - Dec '10	Reserve Shutdown Hours for Jan '10 - Dec '10	Target Equivalent Availability **
Crist 4	0.0264	720	0	89.4
Crist 5	0.0369	0	0	96.3
Crist 6	0.0752	0	0	92.5
Crist 7	0.1239	0	0	87.6
Smith 1	0.0419	0	0	95.8
Smith 2	0.0408	552	0	89.9
Daniel 1	0.0610	1,511	0	77.7
Daniel 2	0.0680	504	0	87.8

* For Period July 2004 through June 2009.

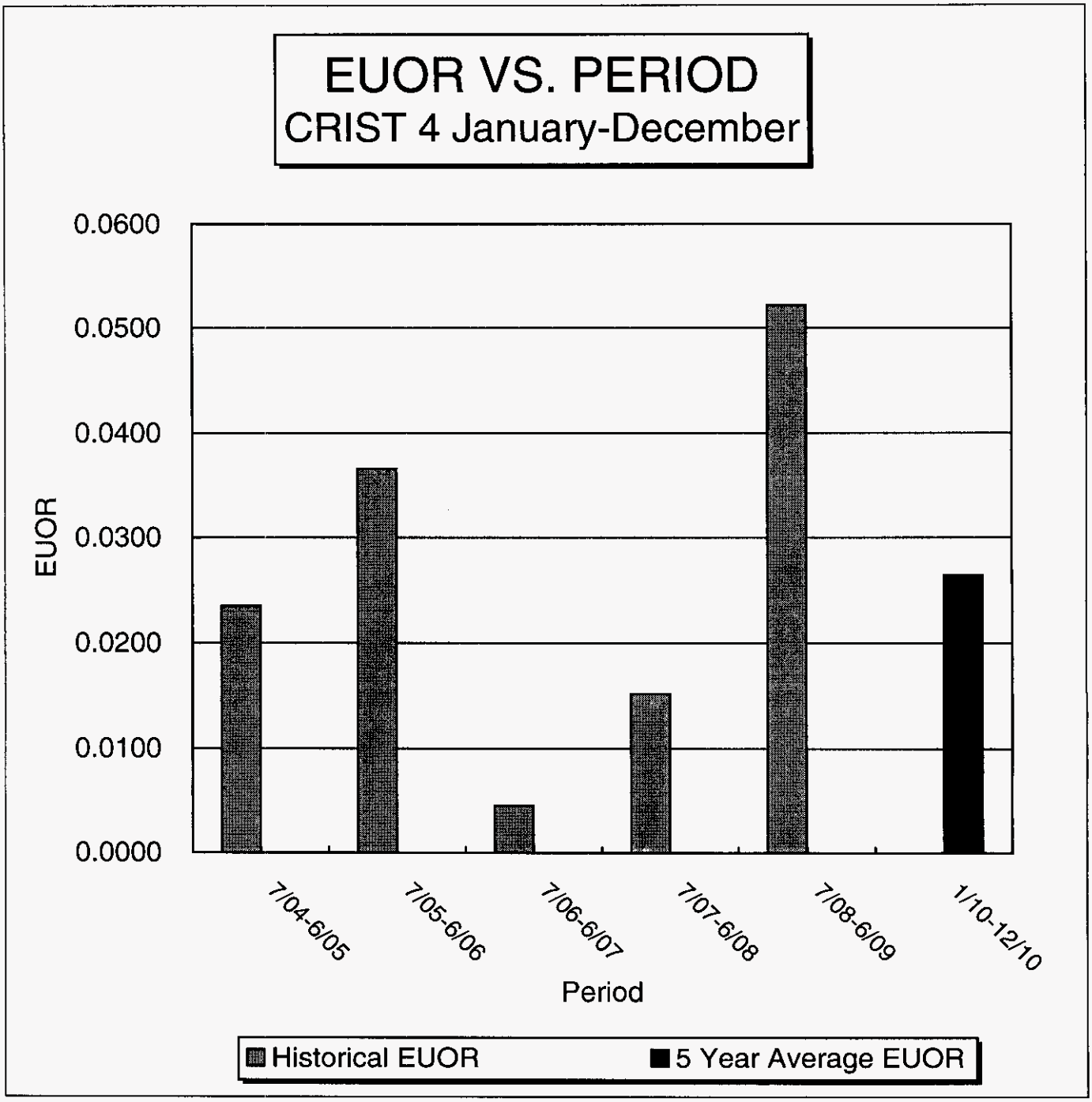
** EA = [1 - (POH + EUOR * (PH - POH - RSH)) / PH] * 100

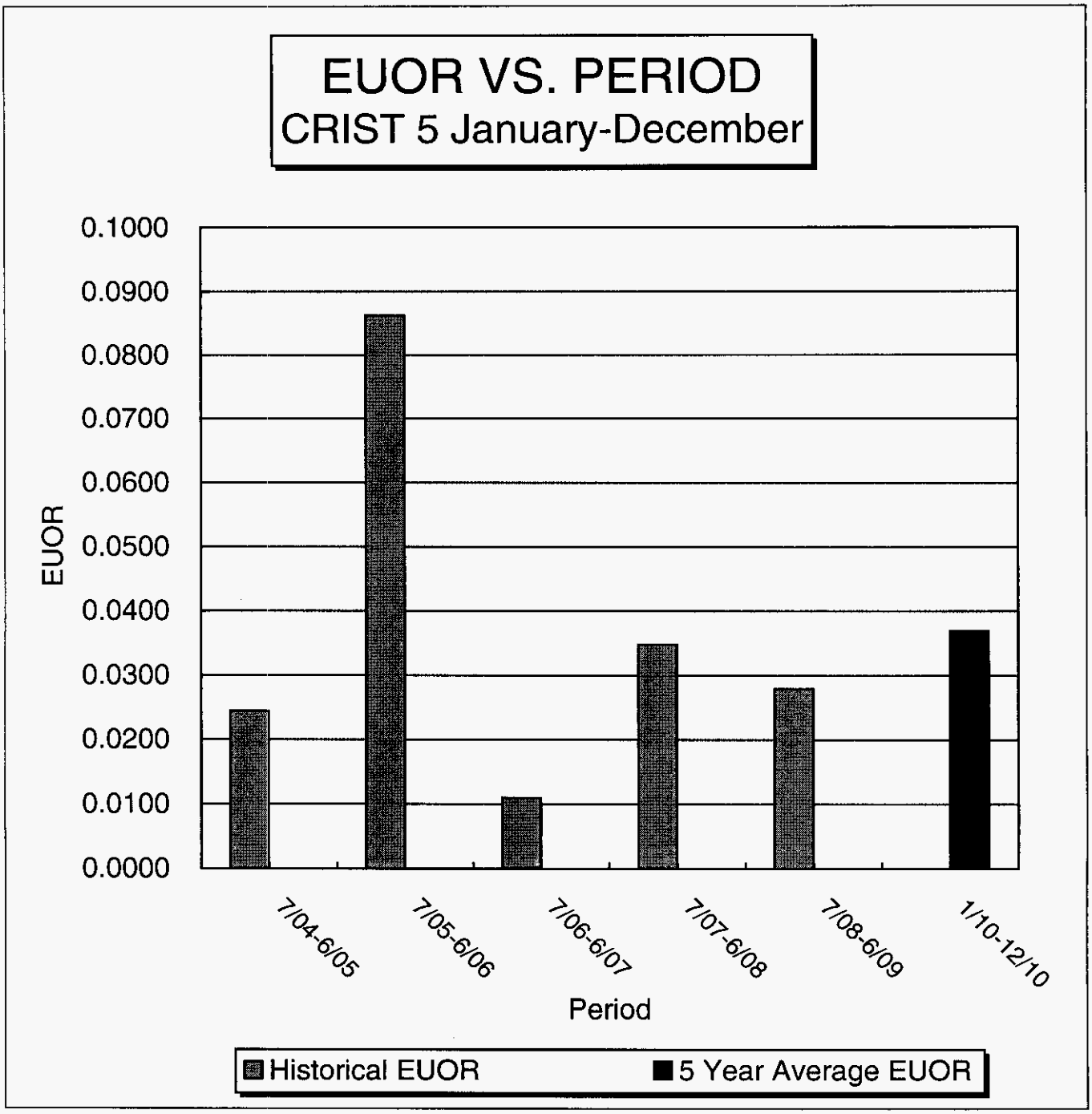
Calculation of Maximum and Minimum
Attainable Equivalent Availabilities
for January 2010 - December 2010

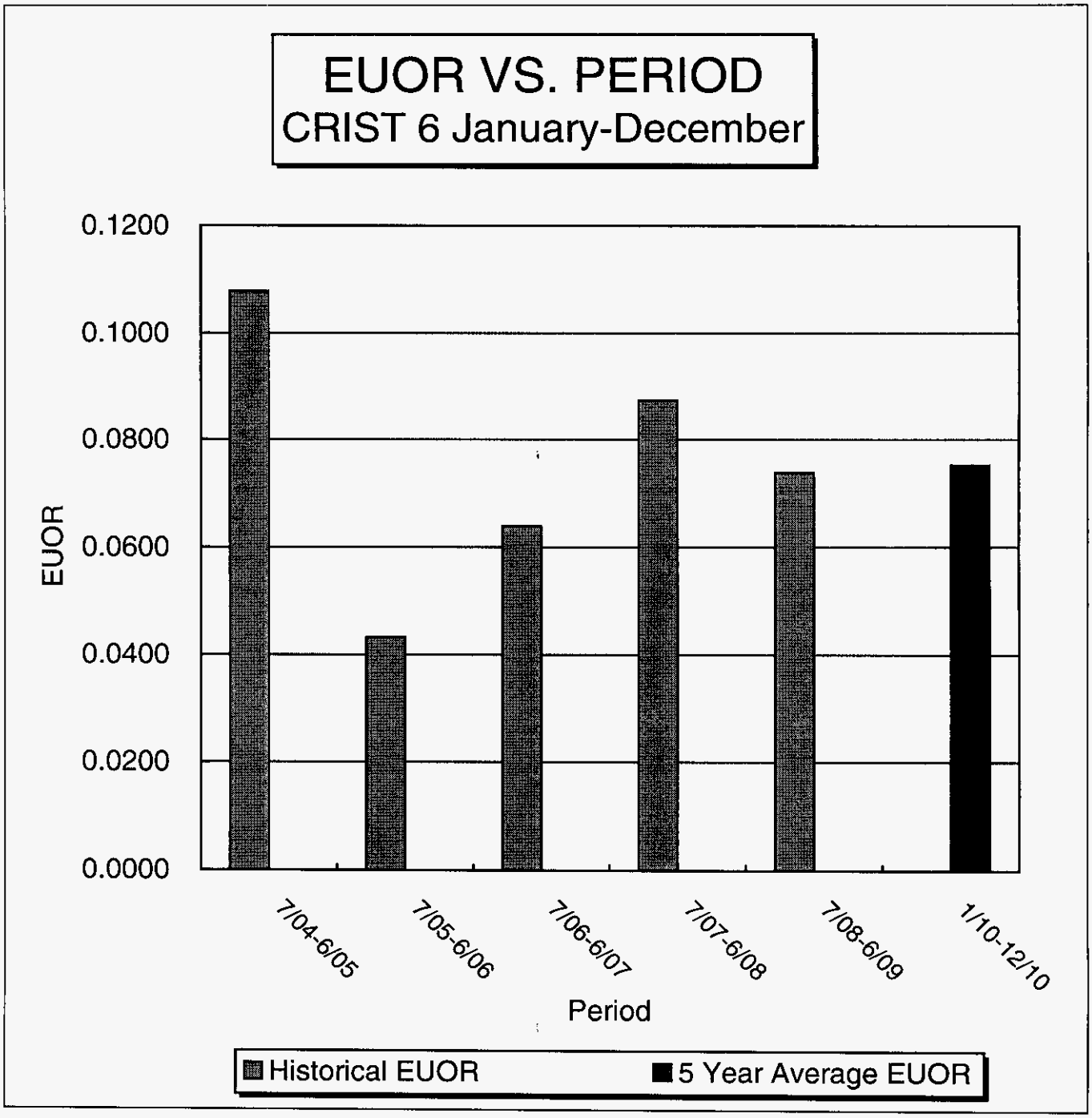
Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR (TARGET EUOR)	Minimum Attainable EUOR 70% of Target EUOR	Maximum Attainable Equivalent Availability	Maximum Attainable EUOR 145% of Target EUOR	Minimum Attainable Equivalent Availability
Crist 4	0.0264	0.0185	90.1	0.0383	88.3
Crist 5	0.0369	0.0258	97.4	0.0535	94.7
Crist 6	0.0752	0.0526	94.7	0.1090	89.1
Crist 7	0.1239	0.0867	91.3	0.1797	82.0
Smith 1	0.0419	0.0293	97.1	0.0608	93.9
Smith 2	0.0408	0.0286	91.0	0.0592	88.2
Daniel 1	0.0610	0.0427	79.2	0.0885	75.4
Daniel 2	0.0680	0.0476	89.8	0.0986	85.0

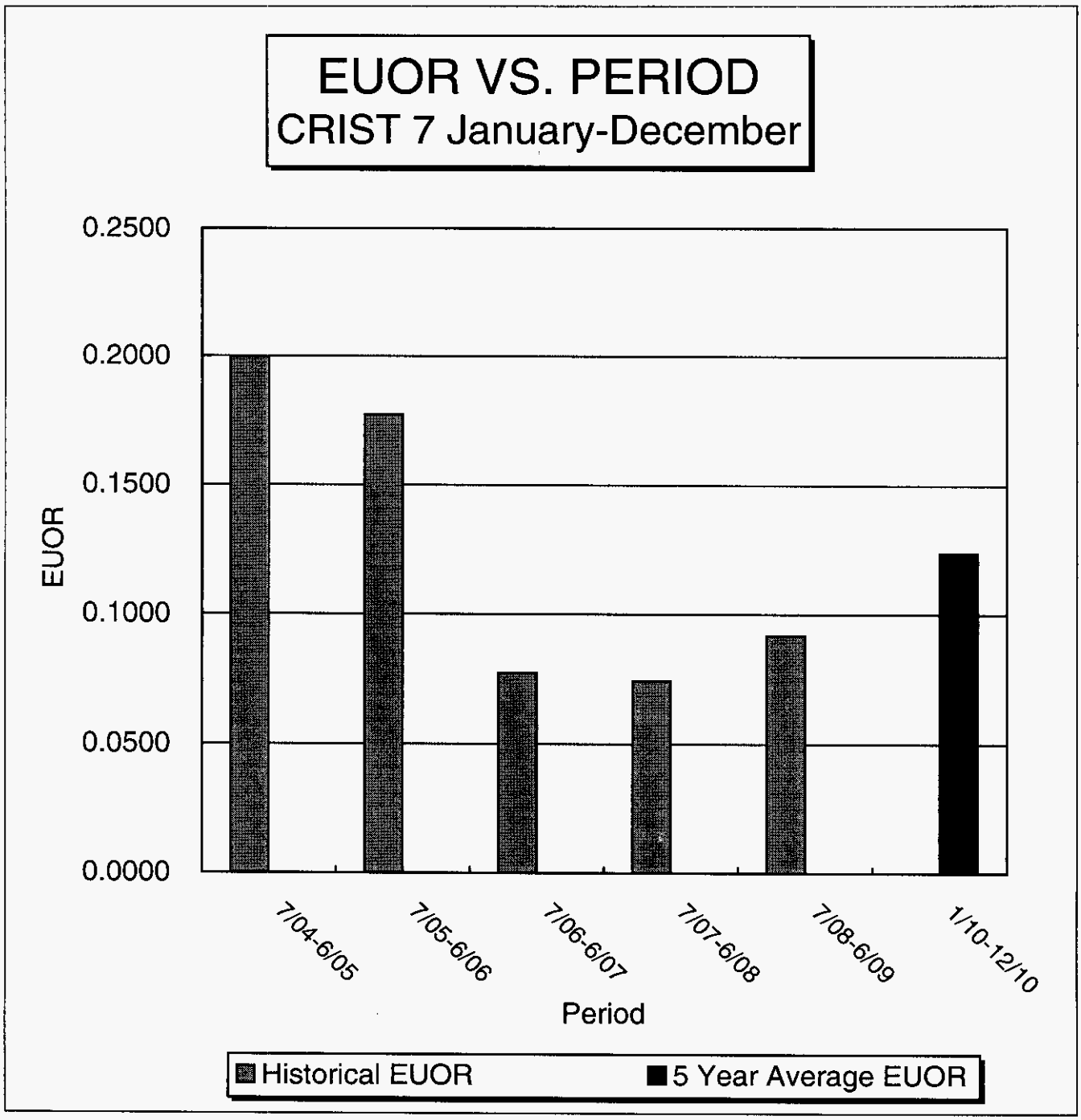
Summary of Target, Maximum, and Minimum
Equivalent Availabilities
for January 2010 - December 2010

Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Crist 4	89.4	90.1	88.3
Crist 5	96.3	97.4	94.7
Crist 6	92.5	94.7	89.1
Crist 7	87.6	91.3	82.0
Smith 1	95.8	97.1	93.9
Smith 2	89.9	91.0	88.2
Daniel 1	77.7	79.2	75.4
Daniel 2	87.8	89.8	85.0


EUOR VS. PERIOD
CRIST 4 January-December
0.0600
0.0500
0.0400
0.0300
0.0200
0.0100
0.0000
EUOR
7/04-6/05
7/05-6/06
7/06-6/07
7/07-6/08
7/08-6/09
1/10-12/10
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
CRIST 5 January-December
0.1000
0.0900
0.0800
0.0700
0.0600
0.0500
0.0400
0.0300
0.0200
0.0100
0.0000
EUOR
7/04-6/05
7/05-6/06
7/06-6/07
7/07-6/08
7/08-6/09
1/10-12/10
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
CRIST 6 January-December
0.1200
0.1000
0.0800
0.0600
0.0400
0.0200
0.0000
EUOR
7/04-6/05
7/05-6/06
7/06-6/07
7/07-6/08
7/08-6/09
1/10-12/10
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
CRIST 7 January-December
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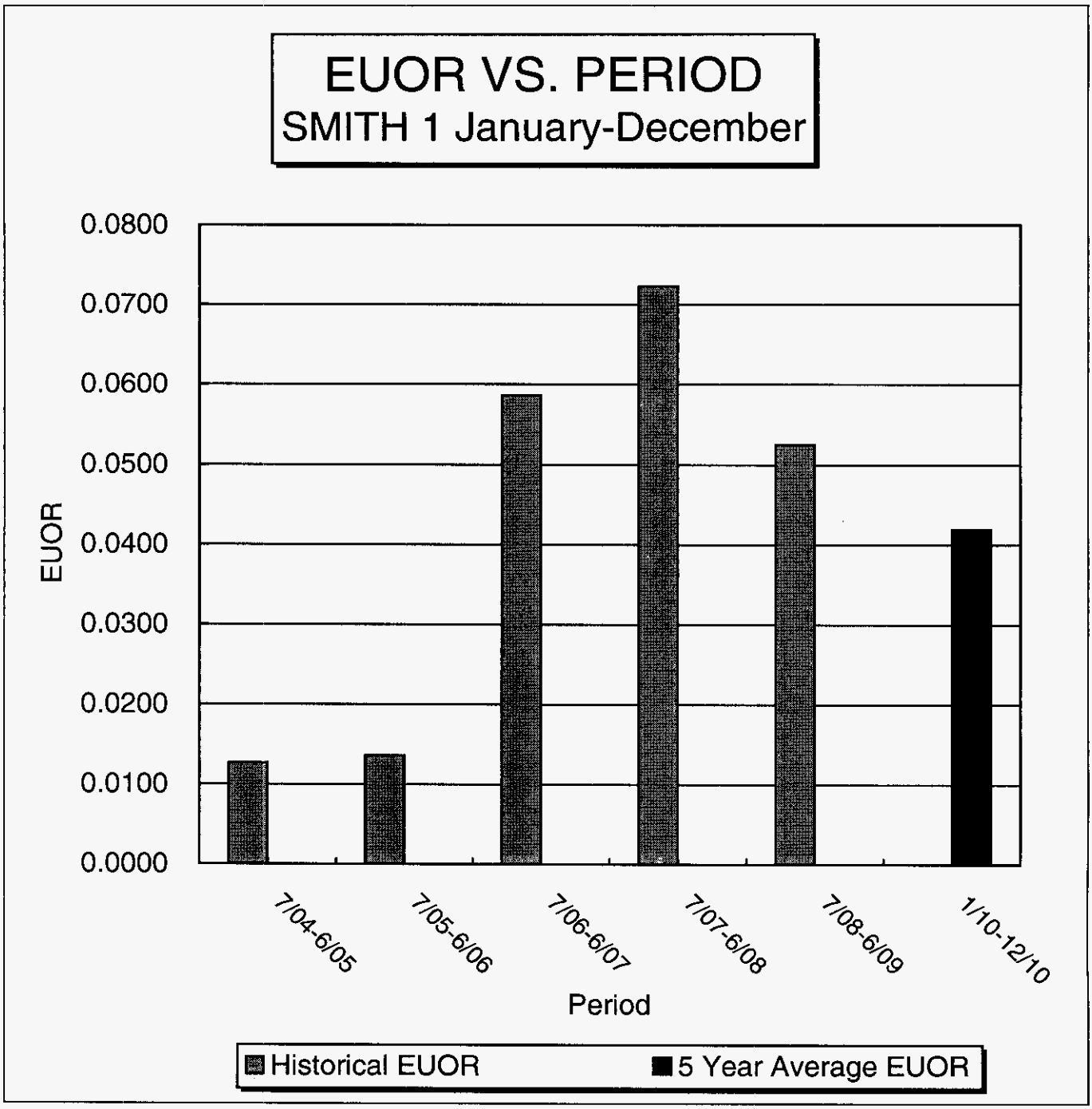
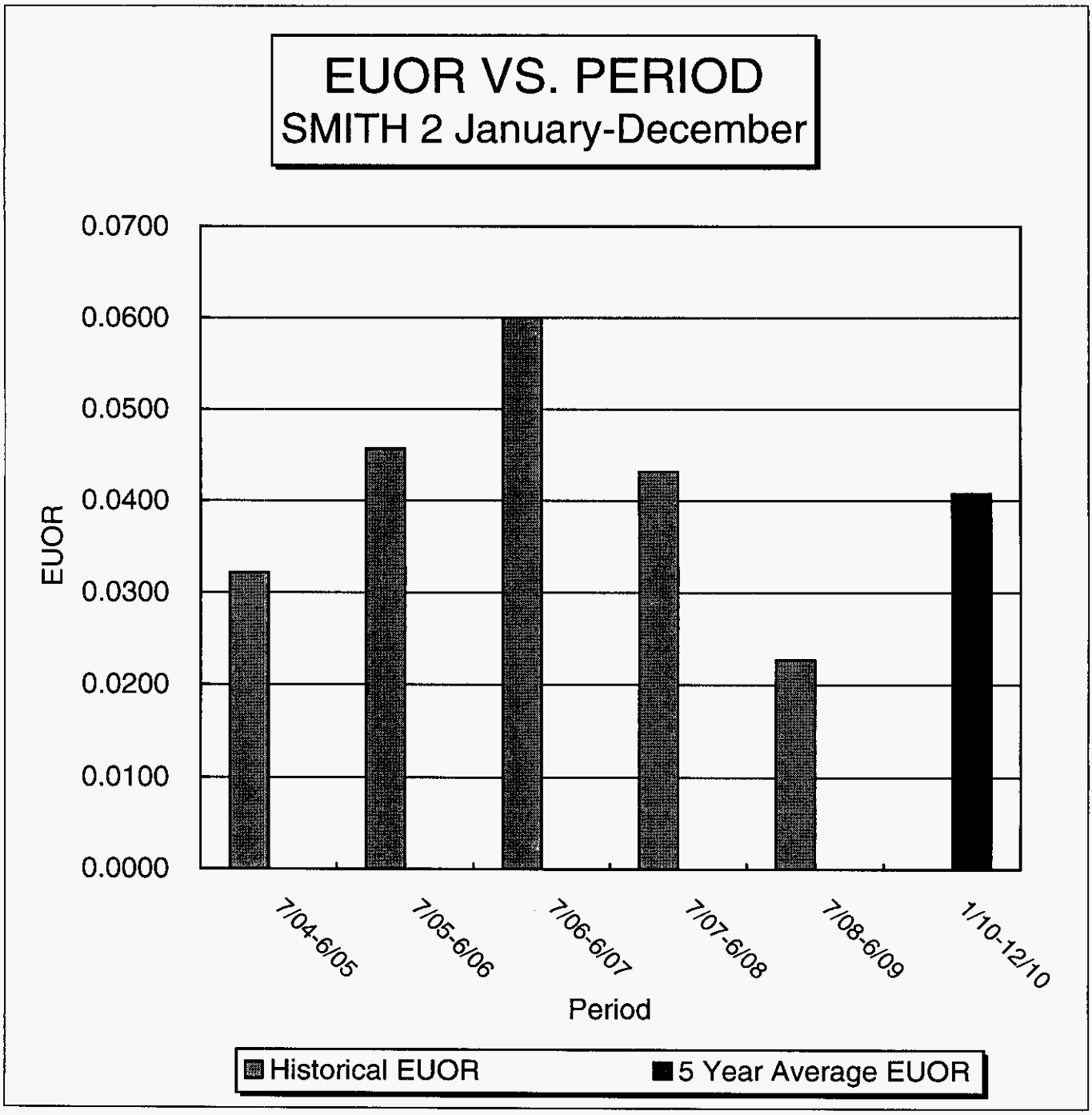
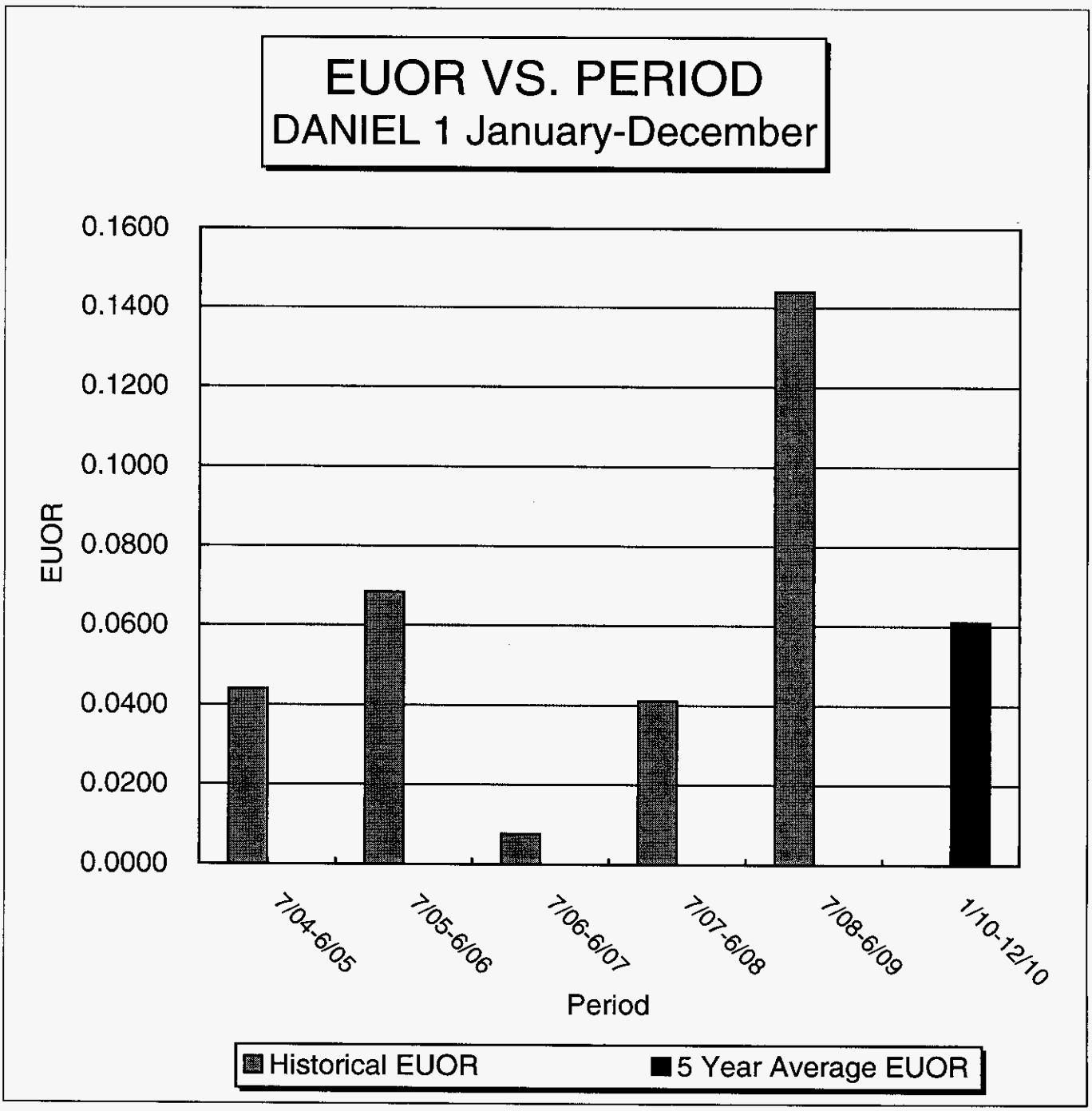
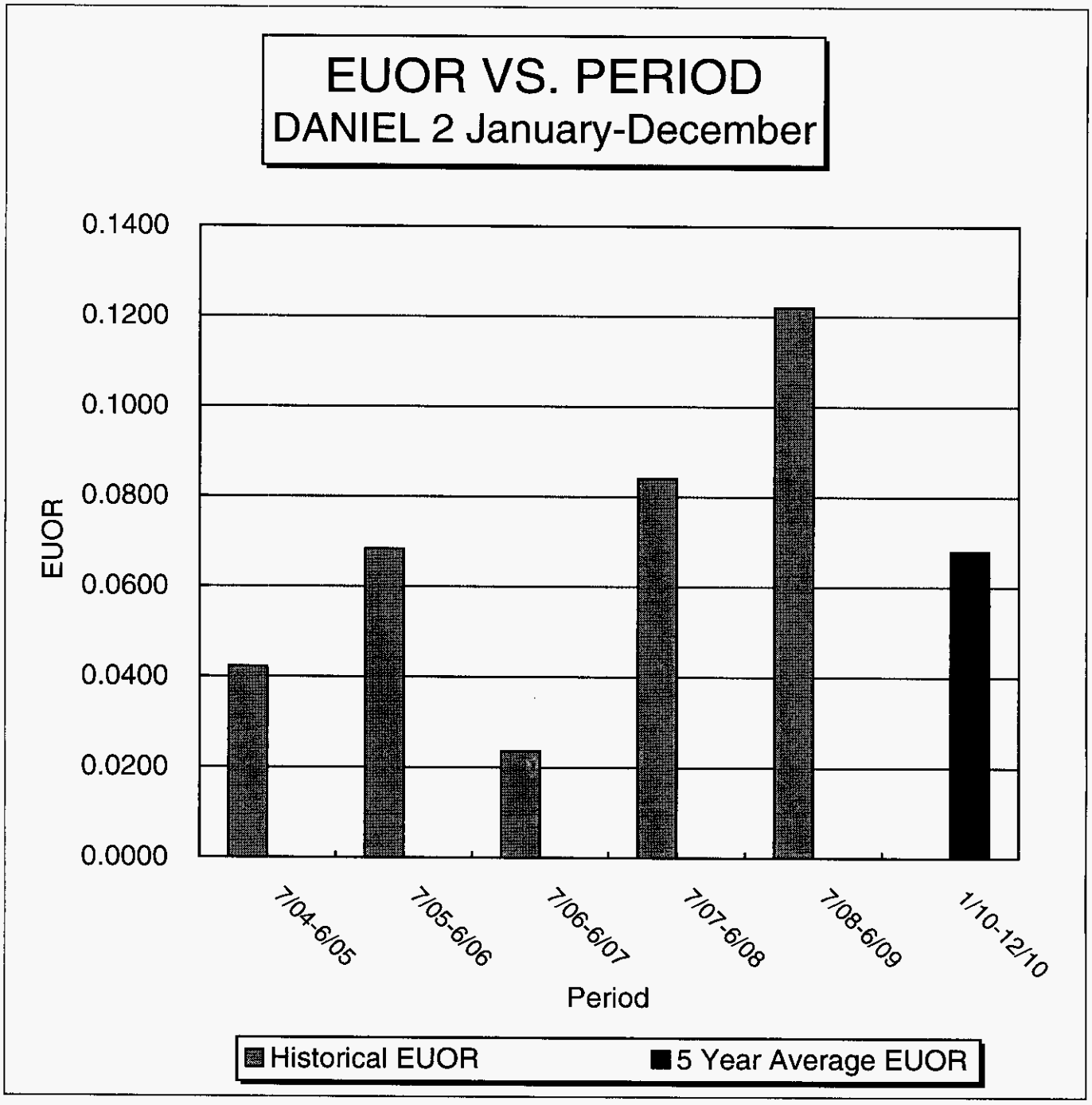
0.2000
0.1500
0.1000
0.0500
0.0000
EUOR
7/04-6/05
7/05-6/06
7/06-6/07
7/07-6/08
7/08-6/09
1/10-12/10
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
SMITH 1 January-December
0.0800
0.0700
0.0600
0.0500
0.0400
0.0300
0.0200
0.0100
0.0000
EUOR
7/04-6/05
7/05-6/06
7/06-6/07
7/07-6/08
7/08-6/09
1/10-12/10
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
SMITH 2 January-December
0.0700
0.0600
0.0500
0.0400
0.0300
0.0200
0.0100
0.0000
EUOR
7/04-6/05
7/05-6/06
7/06-6/07
7/07-6/08
7/08-6/09
1/10-12/10
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
DANIEL 1 January-December
0.1600
0.1400
0.1200
0.1000
0.0800
0.0600
0.0400
0.0200
0.0000
EUOR
7/04-6/05
7/05-6/06
7/06-6/07
7/07-6/08
7/08-6/09
1/10-12/10
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
DANIEL 2 January-December
0.1400
0.1200
0.1000
0.0800
0.0600
0.0400
0.0200
0.0000
EUOR
7/04-6/05
7/05-6/06
7/06-6/07
7/07-6/08
7/08-6/09
1/10-12/10
Period
Historical EUOR
5 Year Average EUOR

III. GPIF MINIMUM FILING REQUIREMENTS FOR THE PERIOD JANUARY 2010 - DECEMBER 2010

Generating Performance Incentive Factor

Estimated Reward/Penalty Table

Gulf Power Company

Period of: January 2010 - December 2010

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	15987	4181
+ 9	14388	3763
+ 8	12790	3345
+ 7	11191	2927
+ 6	9592	2509
+ 5	7994	2091
+ 4	6395	1673
+ 3	4796	1254
+ 2	3197	836
+ 1	1599	418
0	0	0
- 1	-1701	-418
- 2	-3403	-836
- 3	-5104	-1254
- 4	-6806	-1673
- 5	-8507	-2091
- 6	-10208	-2509
- 7	-11910	-2927
- 8	-13611	-3345
- 9	-15313	-3763
- 10	-17014	-4181
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

Generating Performance Incentive Factor

Calculation of Maximum Allowed Incentive Dollars

Estimated

Gulf Power Company

Period of: January 2010 - December 2010

Line 1	Beginning of Period Balance of Common Equity	$1,004,517,653
	End of Month Balance of Common Equity:	
Line 2	Month of Jan '10	$1,047,141,879
Line 3	Month of Feb '10	$1,055,285,806
Line 4	Month of Mar '10	$1,061,881,856
Line 5	Month of Apr '10	$1,041,559,290
Line 6	Month of May '10	$1,053,034,883
Line 7	Month of Jun '10	$1,066,760,270
Line 8	Month of Jul '10	$1,056,246,045
Line 9	Month of Aug '10	$1,072,835,993
Line 10	Month of Sep '10	$1,084,410,032
Line 11	Month of Oct '10	$1,065,064,792
Line 12	Month of Nov '10	$1,072,326,214
Line 13	Month of Dec '10	$1,098,364,014
Line 14	Average Common Equity for the Period (sum of line 1 through line 13 divided by 13)	$1,059,956,056
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)	$4,317,134
Line 18	Jurisdictional Sales (KWH)	12,104,967,310
Line 19	Total Territorial Sales (KWH)	12,497,680,653
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)	96.8577%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 multiplied by line 20)	$4,181,477

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GPIF Unit Performance Summary

Gulf Power Company

Period of: January 2010 - December 2010

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range Max %	EAF Range Min %	Max Fuel Savings ($000)	Max Fuel Loss ($000)
Crist 4	0.0%	89.4	90.1	88.3	$6	($20)
Crist 5	0.1%	96.3	97.4	94.7	$9	($28)
Crist 6	1.0%	92.5	94.7	89.1	$161	($280)
Crist 7	5.2%	87.6	91.3	82.0	$825	($1,300)
Smith 1	0.1%	95.8	97.1	93.9	$20	($66)
Smith 2	0.8%	89.9	91.0	88.2	$125	($133)
Daniel 1	1.0%	77.7	79.2	75.4	$163	($340)
Daniel 2	1.7%	87.8	89.8	85.0	$266	($435)

Plant & Unit	Weighting Factor %	ANOHR Target BTU/KWH	Target NOF	ANOHR Range Min BTU/KWH	ANOHR Range Max BTU/KWH	Max Fuel Savings ($000)	Max Fuel Loss ($000)
Crist 4	4.5%	10,837	85.4	10,512	11,162	$722	($722)
Crist 5	4.8%	10,777	84.4	10,454	11,100	$760	($760)
Crist 6	13.1%	10,910	71.6	10,583	11,237	$2,094	($2,094)
Crist 7	31.6%	10,656	90.8	10,336	10,976	$5,050	($5,050)
Smith 1	10.5%	10,300	86.5	9,991	10,609	$1,686	($1,686)
Smith 2	10.1%	10,345	78.3	10,035	10,655	$1,612	($1,612)
Daniel 1	7.1%	10,415	75.2	10,103	10,727	$1,131	($1,131)
Daniel 2	8.5%	10,231	77.8	9,924	10,538	$1,357	($1,357)

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2010 - December 2010

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target			Actual Performance 1st Prior Period Jul '08 - Jun '09			Actual Performance 2nd Prior Period Jul '07 - Jun '08		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 4	0.0%	0.4%	0.0822	0.0242	0.0264	0.0000	0.0304	0.0522	0.1966	0.0110	0.0152
Crist 5	0.1%	0.6%	0.0000	0.0369	0.0369	0.0000	0.0253	0.0279	0.1740	0.0274	0.0348
Crist 6	1.0%	10.2%	0.0000	0.0752	0.0752	0.1549	0.0475	0.0738	0.0694	0.0806	0.0874
Crist 7	5.2%	52.4%	0.0000	0.1239	0.1239	0.1367	0.0752	0.0917	0.0291	0.0719	0.0740
Smith 1	0.1%	1.3%	0.0000	0.0419	0.0419	0.0735	0.0367	0.0525	0.0000	0.0723	0.0723
Smith 2	0.8%	7.9%	0.0630	0.0382	0.0408	0.0272	0.0214	0.0227	0.0656	0.0403	0.0432
Daniel 1	1.0%	10.3%	0.1725	0.0505	0.0610	0.0000	0.1231	0.1440	0.1144	0.0358	0.0412
Daniel 2	1.7%	16.9%	0.0575	0.0640	0.0680	0.1352	0.0867	0.1220	0.0259	0.0818	0.0840
Weighted GPIF System Average			0.0329	0.0925	0.0945	0.1134	0.0741	0.0939	0.0455	0.0677	0.0708

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2010 - December 2010

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Jul '06 - Jun '07			Actual Performance 4th Prior Period Jul '05 - Jun '06			Actual Performance 5th Prior Period Jul '04 - Jun '05		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 4	0.0%	0.4%	0.0595	0.0041	0.0045	0.0000	0.0366	0.0366	0.0222	0.0228	0.0235
Crist 5	0.1%	0.6%	0.0561	0.0101	0.0110	0.0000	0.0860	0.0862	0.0219	0.0236	0.0244
Crist 6	1.0%	10.2%	0.0000	0.0639	0.0639	0.3459	0.0281	0.0432	0.0000	0.1079	0.1079
Crist 7	5.2%	52.4%	0.1105	0.0685	0.0770	0.0000	0.1765	0.1771	0.2054	0.1587	0.1997
Smith 1	0.1%	1.3%	0.1665	0.0488	0.0586	0.0588	0.0128	0.0136	0.0403	0.0122	0.0127
Smith 2	0.8%	7.9%	0.0826	0.0550	0.0600	0.0000	0.0457	0.0457	0.1962	0.0259	0.0322
Daniel 1	1.0%	10.3%	0.0213	0.0074	0.0076	0.1366	0.0590	0.0684	0.1343	0.0381	0.0440
Daniel 2	1.7%	16.9%	0.0191	0.0232	0.0236	0.1274	0.0596	0.0684	0.0743	0.0390	0.0422
Weighted GPIF System Average			0.0725	0.0522	0.0572	0.0718	0.1159	0.1202	0.1503	0.1071	0.1303

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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 2010 - December 2010

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Heat Rate Target	1st Prior Period Heat Rate Jul '08 - Jun '09	2nd Prior Period Heat Rate Jul '07 - Jun '08	3rd Prior Period Heat Rate Jul '06 - Jun '07
Crist 4	4.5%	5.0%	10,837	10,744	10,969	10,919
Crist 5	4.8%	5.3%	10,777	10,713	10,677	10,856
Crist 6	13.1%	14.5%	10,910	11,049	10,935	10,808
Crist 7	31.6%	35.0%	10,656	10,696	10,678	10,641
Smith 1	10.5%	11.7%	10,300	10,299	10,294	10,333
Smith 2	10.1%	11.2%	10,345	10,435	10,388	10,328
Daniel 1	7.1%	7.8%	10,415	10,378	10,400	10,377
Daniel 2	8.5%	9.4%	10,231	10,185	10,176	10,254
Weighted GPIF System Average:			10,573	10,602	10,583	10,562

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Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 6 Jul '07 - Jun '08

	Jul Jan	Aug Feb	Sep Mar	Oct Apr	Nov May	Dec Jun
1. Target Heat Rate*	10881.0 11022.0	10862.0 10798.0	10894.0 10916.0	10920.0 11018.0	10560.0 11012.0	11074.0 10950.0
2. Target Heat Rate at Actual Conditions**	10716.0 10637.0	10747.0 10463.0	10810.0 11290.0	10743.0 11606.0	10435.0 10925.0	10737.0 10845.0
3. Adjustments to Actual Heat Rate (1-2)	165.0 385.0	115.0 335.0	84.0 -374.0	177.0 -588.0	125.0 87.0	337.0 105.0
4. Actual Heat Rate for Prior Period	10925.0 10919.0	10629.0 10640.0	10856.0 11206.0	10954.0 11081.0	10473.0 11000.0	10888.0 10749.0
5. Adjusted actual Heat Rate (4+3)	11090.0 11304.0	10744.0 10975.0	10940.0 10832.0	11131.0 10493.0	10598.0 11087.0	11225.0 10854.0
6. Forecast Net MWH Generation*	157331.6 124083.4	159648.0 86551.5	150846.5 153167.8	152970.2 138205.0	141071.9 143402.8	137657.2 144935.8

7. Adjusted Actual Heat Rate for Jul '07 - Jun '08 = (Σ ((5)*(6)))/(Σ (6)) 10,935

* For the January 2010 - December 2010 time period.

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

Derivation of Weighting Factors

Gulf Power Company

Period of: January 2010 - December 2010

Plant & Unit	Unit Performance Indicator	Production Cost Simulation Fuel Cost ($000) At Target (1)	At Maximum Improvement (2)	Savings (3)	Weighting Factor (% of Savings)
Crist 4	EA-1	$543,582	$543,576	$6	0.0%
Crist 4	ANOHR-1	$543,582	$542,860	$722	4.5%
Crist 5	EA-2	$543,582	$543,573	$9	0.1%
Crist 5	ANOHR-2	$543,582	$542,822	$760	4.8%
Crist 6	EA-3	$543,582	$543,421	$161	1.0%
Crist 6	ANOHR-3	$543,582	$541,488	$2,094	13.1%
Crist 7	EA-4	$543,582	$542,757	$825	5.2%
Crist 7	ANOHR-4	$543,582	$538,532	$5,050	31.6%
Smith 1	EA-5	$543,582	$543,562	$20	0.1%
Smith 1	ANOHR-5	$543,582	$541,896	$1,686	10.5%
Smith 2	EA-6	$543,582	$543,457	$125	0.8%
Smith 2	ANOHR-6	$543,582	$541,970	$1,612	10.1%
Daniel 1	EA-7	$543,582	$543,419	$163	1.0%
Daniel 1	ANOHR-7	$543,582	$542,451	$1,131	7.1%
Daniel 2	EA-8	$543,582	$543,316	$266	1.7%
Daniel 2	ANOHR-8	$543,582	$542,225	$1,357	8.5%

(1) Fuel Adjustment Base Case - All unit performance indicators at target.

(2) All other unit performance indicators at target.

(3) Expressed in replacement energy costs. Also includes variable operating and maintenance expense savings associated with availability improvements.

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2010 - December 2010

Crist 4

Equivalent Availability Points	Fuel Savings/ Loss ($000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/ Loss ($000)	Adjusted Actual Heat Rate
+ 10	6	90.10	+ 10	722	10,512
+ 9	5	90.03	+ 9	650	10,537
+ 8	5	89.96	+ 8	578	10,562
+ 7	4	89.89	+ 7	505	10,587
+ 6	4	89.82	+ 6	433	10,612
+ 5	3	89.75	+ 5	361	10,637
+ 4	2	89.68	+ 4	289	10,662
+ 3	2	89.61	+ 3	217	10,687
+ 2	1	89.54	+ 2	144	10,712
+ 1	1	89.47	+ 1	72	10,737
				0	10,762
0	0	89.40	0	0	10,837
				0	10,912
- 1	(2)	89.29	- 1	(72)	10,937
- 2	(4)	89.18	- 2	(144)	10,962
- 3	(6)	89.07	- 3	(217)	10,987
- 4	(8)	88.96	- 4	(289)	11,012
- 5	(10)	88.85	- 5	(361)	11,037
- 6	(12)	88.74	- 6	(433)	11,062
- 7	(14)	88.63	- 7	(505)	11,087
- 8	(16)	88.52	- 8	(578)	11,112
- 9	(18)	88.41	- 9	(650)	11,137
- 10	(20)	88.30	- 10	(722)	11,162
Weighting Factor:		0.000	Weighting Factor:		0.045

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2010 - December 2010

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	9	97.40	+ 10	760	10,454
+ 9	8	97.29	+ 9	684	10,479
+ 8	7	97.18	+ 8	608	10,504
+ 7	6	97.07	+ 7	532	10,528
+ 6	5	96.96	+ 6	456	10,553
+ 5	5	96.85	+ 5	380	10,578
+ 4	4	96.74	+ 4	304	10,603
+ 3	3	96.63	+ 3	228	10,628
+ 2	2	96.52	+ 2	152	10,652
+ 1	1	96.41	+ 1	76	10,677
				0	10,702
0	0	96.30	0	0	10,777
				0	10,852
- 1	(3)	96.14	- 1	(76)	10,877
- 2	(6)	95.98	- 2	(152)	10,902
- 3	(8)	95.82	- 3	(228)	10,926
- 4	(11)	95.66	- 4	(304)	10,951
- 5	(14)	95.50	- 5	(380)	10,976
- 6	(17)	95.34	- 6	(456)	11,001
- 7	(20)	95.18	- 7	(532)	11,026
- 8	(22)	95.02	- 8	(608)	11,050
- 9	(25)	94.86	- 9	(684)	11,075
- 10	(28)	94.70	- 10	(760)	11,100
Weighting Factor:		0.001	Weighting Factor:		0.048

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2010 - December 2010

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	161	94.70	+ 10	2,094	10,583
+ 9	145	94.48	+ 9	1,885	10,608
+ 8	129	94.26	+ 8	1,675	10,633
+ 7	113	94.04	+ 7	1,466	10,659
+ 6	97	93.82	+ 6	1,256	10,684
+ 5	81	93.60	+ 5	1,047	10,709
+ 4	64	93.38	+ 4	838	10,734
+ 3	48	93.16	+ 3	628	10,759
+ 2	32	92.94	+ 2	419	10,785
+ 1	16	92.72	+ 1	209	10,810
				0	10,835
0	0	92.50	0	0	10,910
				0	10,985
- 1	(28)	92.16	- 1	(209)	11,010
- 2	(56)	91.82	- 2	(419)	11,035
- 3	(84)	91.48	- 3	(628)	11,061
- 4	(112)	91.14	- 4	(838)	11,086
- 5	(140)	90.80	- 5	(1,047)	11,111
- 6	(168)	90.46	- 6	(1,256)	11,136
- 7	(196)	90.12	- 7	(1,466)	11,161
- 8	(224)	89.78	- 8	(1,675)	11,187
- 9	(252)	89.44	- 9	(1,885)	11,212
- 10	(280)	89.10	- 10	(2,094)	11,237
Weighting Factor:		0.010	Weighting Factor:		0.131

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2010 - December 2010

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	825	91.30	+ 10	5,050	10,336
+ 9	743	90.93	+ 9	4,545	10,361
+ 8	660	90.56	+ 8	4,040	10,385
+ 7	578	90.19	+ 7	3,535	10,410
+ 6	495	89.82	+ 6	3,030	10,434
+ 5	413	89.45	+ 5	2,525	10,459
+ 4	330	89.08	+ 4	2,020	10,483
+ 3	248	88.71	+ 3	1,515	10,508
+ 2	165	88.34	+ 2	1,010	10,532
+ 1	83	87.97	+ 1	505	10,557
				0	10,581
0	0	87.60	0	0	10,656
				0	10,731
- 1	(130)	87.04	- 1	(505)	10,756
- 2	(260)	86.48	- 2	(1,010)	10,780
- 3	(390)	85.92	- 3	(1,515)	10,805
- 4	(520)	85.36	- 4	(2,020)	10,829
- 5	(650)	84.80	- 5	(2,525)	10,854
- 6	(780)	84.24	- 6	(3,030)	10,878
- 7	(910)	83.68	- 7	(3,535)	10,903
- 8	(1,040)	83.12	- 8	(4,040)	10,927
- 9	(1,170)	82.56	- 9	(4,545)	10,952
- 10	(1,300)	82.00	- 10	(5,050)	10,976
Weighting Factor:		0.052	Weighting Factor:		0.316

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. Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2010 - December 2010

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	20	97.10	+ 10	1,686	9,991
+ 9	18	96.97	+ 9	1,517	10,014
+ 8	16	96.84	+ 8	1,349	10,038
+ 7	14	96.71	+ 7	1,180	10,061
+ 6	12	96.58	+ 6	1,012	10,085
+ 5	10	96.45	+ 5	843	10,108
+ 4	8	96.32	+ 4	674	10,131
+ 3	6	96.19	+ 3	506	10,155
+ 2	4	96.06	+ 2	337	10,178
+ 1	2	95.93	+ 1	169	10,202
				0	10,225
0	0	95.80	0	0	10,300
				0	10,375
- 1	(7)	95.61	- 1	(169)	10,398
- 2	(13)	95.42	- 2	(337)	10,422
- 3	(20)	95.23	- 3	(506)	10,445
- 4	(26)	95.04	- 4	(674)	10,469
- 5	(33)	94.85	- 5	(843)	10,492
- 6	(40)	94.66	- 6	(1,012)	10,515
- 7	(46)	94.47	- 7	(1,180)	10,539
- 8	(53)	94.28	- 8	(1,349)	10,562
- 9	(59)	94.09	- 9	(1,517)	10,586
- 10	(66)	93.90	- 10	(1,686)	10,609
Weighting Factor:		0.001	Weighting Factor:		0.105

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2010 - December 2010

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	125	91.00	+ 10	1,612	10,035
+ 9	113	90.89	+ 9	1,451	10,059
+ 8	100	90.78	+ 8	1,290	10,082
+ 7	88	90.67	+ 7	1,128	10,106
+ 6	75	90.56	+ 6	967	10,129
+ 5	63	90.45	+ 5	806	10,153
+ 4	50	90.34	+ 4	645	10,176
+ 3	38	90.23	+ 3	484	10,200
+ 2	25	90.12	+ 2	322	10,223
+ 1	13	90.01	+ 1	161	10,247
				0	10,270
0	0	89.90	0	0	10,345
				0	10,420
- 1	(13)	89.73	- 1	(161)	10,444
- 2	(27)	89.56	- 2	(322)	10,467
- 3	(40)	89.39	- 3	(484)	10,491
- 4	(53)	89.22	- 4	(645)	10,514
- 5	(67)	89.05	- 5	(806)	10,538
- 6	(80)	88.88	- 6	(967)	10,561
- 7	(93)	88.71	- 7	(1,128)	10,585
- 8	(106)	88.54	- 8	(1,290)	10,608
- 9	(120)	88.37	- 9	(1,451)	10,632
- 10	(133)	88.20	- 10	(1,612)	10,655
Weighting Factor:		0.008	Weighting Factor:		0.101

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2010 - December 2010

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	163	79.20	+ 10	1,131	10,103
+ 9	147	79.05	+ 9	1,018	10,127
+ 8	130	78.90	+ 8	905	10,150
+ 7	114	78.75	+ 7	792	10,174
+ 6	98	78.60	+ 6	679	10,198
+ 5	82	78.45	+ 5	566	10,222
+ 4	65	78.30	+ 4	452	10,245
+ 3	49	78.15	+ 3	339	10,269
+ 2	33	78.00	+ 2	226	10,293
+ 1	16	77.85	+ 1	113	10,316
				0	10,340
0	0	77.70	0	0	10,415
				0	10,490
- 1	(34)	77.47	- 1	(113)	10,514
- 2	(68)	77.24	- 2	(226)	10,537
- 3	(102)	77.01	- 3	(339)	10,561
- 4	(136)	76.78	- 4	(452)	10,585
- 5	(170)	76.55	- 5	(566)	10,609
- 6	(204)	76.32	- 6	(679)	10,632
- 7	(238)	76.09	- 7	(792)	10,656
- 8	(272)	75.86	- 8	(905)	10,680
- 9	(306)	75.63	- 9	(1,018)	10,703
- 10	(340)	75.40	- 10	(1,131)	10,727
Weighting Factor:		0.010	Weighting Factor:		0.071

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Gulf Power Company

Period of: January 2010 - December 2010

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	266	89.80	+ 10	1,357	9,924
+ 9	239	89.60	+ 9	1,221	9,947
+ 8	213	89.40	+ 8	1,086	9,970
+ 7	186	89.20	+ 7	950	9,994
+ 6	160	89.00	+ 6	814	10,017
+ 5	133	88.80	+ 5	679	10,040
+ 4	106	88.60	+ 4	543	10,063
+ 3	80	88.40	+ 3	407	10,086
+ 2	53	88.20	+ 2	271	10,110
+ 1	27	88.00	+ 1	136	10,133
				0	10,156
0	0	87.80	0	0	10,231
				0	10,306
- 1	(44)	87.52	- 1	(136)	10,329
- 2	(87)	87.24	- 2	(271)	10,352
- 3	(131)	86.96	- 3	(407)	10,376
- 4	(174)	86.68	- 4	(543)	10,399
- 5	(218)	86.40	- 5	(679)	10,422
- 6	(261)	86.12	- 6	(814)	10,445
- 7	(305)	85.84	- 7	(950)	10,468
- 8	(348)	85.56	- 8	(1,086)	10,492
- 9	(392)	85.28	- 9	(1,221)	10,515
- 10	(435)	85.00	- 10	(1,357)	10,538
Weighting Factor:		0.017	Weighting Factor:		0.085

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ESTIMATED UNIT PERFORMANCE DATA

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	CRIST 4	Jan '10	Feb '10	Mar '10	Apr '10	May '10	Jun '10	
1.	EAF (%)	79.8	99.0	99.1	99.0	99.3	99.3	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	20.2	1.0	0.9	1.0	0.7	0.7	
4.	EUOR (%)	20.2	1.0	0.9	1.0	0.7	0.7	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	596.0	667.0	738.0	715.0	739.0	715.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	148.0	5.0	5.0	5.0	5.0	5.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	6.0	7.0	7.0	7.0	5.0	5.0	
11.	MOH & EMOH	144.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	411968.0	460604.0	540811.0	463619.0	484359.0	489701.0	
13.	Net Gen (MWH)	38872.2	43416.3	49008.7	45037.8	46341.3	44546.6	
14.	ANOHR (Btu/KWH)	10598.0	10609.0	11035.0	10294.0	10452.0	10993.0	
15.	NOF %	87.0	86.8	88.5	84.0	83.6	83.1	
16.	NPC (MW)	75.0	75.0	75.0	75.0	75.0	75.0	

19.	ANOHR Equation	10^6 / AKW * [1360.90 - 26.57 * JAN - 25.71 * FEB - 43.72 * APR - 33.69 * MAY + 17.95 * AUG - 17.31 * NOV] - 35180 + 0.37811 * LSRF / AKW

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	CRIST 4	Jul '10	Aug '10	Sep '10	Oct '10	Nov '10	Dec '10	Total
1.	EAF (%)	99.3	99.3	98.9	98.9	39.8	60.9	89.4
2.	POF (%)	0.0	0.0	0.0	0.0	59.9	38.7	8.2
3.	EUOF (%)	0.7	0.7	1.1	1.1	0.3	0.4	2.4
4.	EUOR (%)	0.7	0.7	1.1	1.1	0.7	0.7	2.6
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	739.0	739.0	715.0	739.0	287.0	453.0	7842.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	5.0	5.0	5.0	5.0	434.0	291.0	918.0
9.	POH	0.0	0.0	0.0	0.0	432.0	288.0	720.0
10.	FOH & EFOH	5.0	5.0	8.0	8.0	2.0	3.0	68.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	144.0
12.	Oper MBtu	515347.0	534010.0	501636.0	527942.0	198216.0	315614.0	5443827.0
13.	Net Gen (MWH)	46900.9	47379.1	45648.9	47990.4	18481.7	28723.5	502347.4
14.	ANOHR (Btu/KWH)	10988.0	11271.0	10989.0	11001.0	10725.0	10988.0	10837.0
15.	NOF %	84.6	85.5	85.1	86.6	85.9	84.5	85.4
16.	NPC (MW)	75.0	75.0	75.0	75.0	75.0	75.0	75.0

19.	ANOHR Equation	10^6 / AKW * [1360.90 - 26.57 * JAN - 25.71 * FEB - 43.72 * APR - 33.69 * MAY + 17.95 * AUG - 17.31 * NOV] - 35180 + 0.37811 * LSRF / AKW

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	CRIST 5	Jan '10	Feb '10	Mar '10	Apr '10	May '10	Jun '10	
1.	EAF (%)	85.9	81.0	98.7	98.6	98.9	98.9	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	14.1	19.0	1.3	1.4	1.1	1.1	
4.	EUOR (%)	14.1	19.0	1.3	1.4	1.1	1.1	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	641.0	546.0	735.0	712.0	736.0	712.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	103.0	126.0	8.0	8.0	8.0	8.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	9.0	8.0	10.0	10.0	8.0	8.0	
11.	MOH & EMOH	96.0	120.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	434552.0	361788.0	521018.0	463766.0	496460.0	486442.0	
13.	Net Gen (MWH)	41516.4	34472.4	47918.5	44101.0	45697.7	44258.2	
14.	ANOHR (Btu/KWH)	10467.0	10495.0	10873.0	10516.0	10864.0	10991.0	
15.	NOF %	86.4	84.2	86.9	82.6	82.8	82.9	
16.	NPC (MW)	75.0	75.0	75.0	75.0	75.0	75.0	

19.	ANOHR Equation	10^6 / AKW * [68.22 + 26.89 * MAR + 21.84 * MAY + 29.87 * JUN + 31.73 * JUL + 49.76 * AUG + 33.72 * SEP + 15.55 * OCT] + 9,414

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	CRIST 5	Jul '10	Aug '10	Sep '10	Oct '10	Nov '10	Dec '10	Total
1.	EAF (%)	98.9	98.9	98.9	98.7	98.6	98.7	96.3
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	1.1	1.1	1.1	1.3	1.4	1.3	3.7
4.	EUOR (%)	1.1	1.1	1.1	1.3	1.4	1.3	3.7
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	736.0	736.0	712.0	736.0	713.0	736.0	8451.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	8.0	8.0	8.0	8.0	8.0	8.0	309.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	8.0	8.0	8.0	10.0	10.0	10.0	107.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	216.0
12.	Oper MBtu	509100.0	530625.0	496303.0	508257.0	472484.0	481612.0	5762407.0
13.	Net Gen (MWH)	46269.2	47137.3	45008.0	47443.0	45028.5	45828.5	534678.7
14.	ANOHR (Btu/KWH)	11003.0	11257.0	11027.0	10713.0	10493.0	10509.0	10777.0
15.	NOF %	83.8	85.4	84.3	85.9	84.2	83.0	84.4
16.	NPC (MW)	75.0	75.0	75.0	75.0	75.0	75.0	75.0

19.	ANOHR Equation	10^6 / AKW * [68.22 + 26.89 * MAR + 21.84 * MAY + 29.87 * JUN + 31.73 * JUL + 49.76 * AUG + 33.72 * SEP + 15.55 * OCT] + 9,414

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GULF POWER COMPANY

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	CRIST 6	Jan '10	Feb '10	Mar '10	Apr '10	May '10	Jun '10	
1.	EAF (%)	83.6	65.2	95.7	95.7	95.7	96.0	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	16.4	34.8	4.3	4.3	4.3	4.0	
4.	EUOR (%)	16.4	34.8	4.3	4.3	4.3	4.0	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	622.0	438.0	713.0	691.0	714.0	691.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	122.0	234.0	30.0	29.0	30.0	29.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	26.0	18.0	32.0	31.0	32.0	29.0	
11.	MOH & EMOH	96.0	216.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	1367647.0	934583.0	1671980.0	1522743.0	1579152.0	1587047.0	
13.	Net Gen (MWH)	124083.4	86551.5	153167.8	138205.0	143402.8	144935.8	
14.	ANOHR (Btu/KWH)	11022.0	10798.0	10916.0	11018.0	11012.0	10950.0	
15.	NOF %	68.6	67.9	73.8	68.7	69.0	72.1	
16.	NPC (MW)	291.0	291.0	291.0	291.0	291.0	291.0	

19.	ANOHR Equation	10^6 / AKW * [296.07 - 47.17 * FEB - 87.78 * NOV] + 9,538

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	CRIST 6	Jul '10	Aug '10	Sep '10	Oct '10	Nov '10	Dec '10	Total
1.	EAF (%)	96.0	96.0	95.8	96.0	96.0	96.0	92.5
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	4.0	4.0	4.2	4.0	4.0	4.0	7.5
4.	EUOR (%)	4.0	4.0	4.2	4.0	4.0	4.0	7.5
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	714.0	714.0	691.0	714.0	692.0	714.0	8108.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	30.0	30.0	29.0	30.0	29.0	30.0	652.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	30.0	30.0	30.0	30.0	29.0	30.0	347.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	312.0
12.	Oper MBtu	1711925.0	1734097.0	1643322.0	1670435.0	1489719.0	1524416.0	18437066.0
13.	Net Gen (MWH)	157331.6	159648.0	150846.5	152970.2	141071.9	137657.2	1689871.7
14.	ANOHR (Btu/KWH)	10881.0	10862.0	10894.0	10920.0	10560.0	11074.0	10910.0
15.	NOF %	75.7	76.8	75.0	73.6	70.1	66.3	71.6
16.	NPC (MW)	291.0	291.0	291.0	291.0	291.0	291.0	291.0

19.	ANOHR Equation	10^6 / AKW * [296.07 - 47.17 * FEB - 87.78 * NOV] + 9,538

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	CRIST 7	Jan '10	Feb '10	Mar '10	Apr '10	May '10	Jun '10	
1.	EAF (%)	74.2	92.1	92.3	92.1	92.6	92.5	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	25.8	7.9	7.7	7.9	7.4	7.5	
4.	EUOR (%)	25.8	7.9	7.7	7.9	7.4	7.5	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	555.0	622.0	688.0	666.0	689.0	666.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	189.0	50.0	55.0	54.0	55.0	54.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	48.0	53.4	57.0	57.0	55.0	54.0	
11.	MOH & EMOH	144.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	2467924.0	2767455.0	3182672.0	2903223.0	3079828.0	3025213.0	
13.	Net Gen (MWH)	235961.8	264625.6	293631.5	266546.4	286976.1	277567.9	
14.	ANOHR (Btu/KWH)	10459.0	10458.0	10839.0	10892.0	10732.0	10899.0	
15.	NOF %	91.4	91.5	91.8	86.1	89.6	89.6	
16.	NPC (MW)	465.0	465.0	465.0	465.0	465.0	465.0	

19.	ANOHR Equation	10^6 / AKW * [173.73 + 162.82 * MAR + 163.38 * APR + 110.30 * MAY + 180.34 * JUN + 70.53 * JUL + 158.99 * AUG + 84.09 * SEP] + 10,050

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GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	CRIST 7	Jul '10	Aug '10	Sep '10	Oct '10	Nov '10	Dec '10	Total
1.	EAF (%)	92.6	92.6	92.5	92.6	74.1	71.6	87.6
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	7.4	7.4	7.5	7.4	25.9	28.4	12.4
4.	EUOR (%)	7.4	7.4	7.5	7.4	25.9	28.4	12.4
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	689.0	689.0	666.0	689.0	534.0	533.0	7686.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	55.0	55.0	54.0	55.0	187.0	211.0	1074.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	55.0	55.0	54.0	55.0	43.0	43.0	629.4
11.	MOH & EMOH	0.0	0.0	0.0	0.0	144.0	168.0	456.0
12.	Oper MBtu	3176976.0	3251727.0	2997643.0	3014310.0	2307298.0	2416914.0	34591183.0
13.	Net Gen (MWH)	299375.8	300751.7	281178.4	288009.7	220351.3	231283.6	3246259.8
14.	ANOHR (Btu/KWH)	10612.0	10812.0	10661.0	10466.0	10471.0	10450.0	10656.0
15.	NOF %	93.4	93.9	90.8	89.9	88.7	93.3	90.8
16.	NPC (MW)	465.0	465.0	465.0	465.0	465.0	465.0	465.0

19.	ANOHR Equation	10^6 / AKW * [173.73 + 162.82 * MAR + 163.38 * APR + 110.30 * MAY + 180.34 * JUN + 70.53 * JUL + 158.99 * AUG + 84.09 * SEP] + 10,050

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GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	SMITH 1	Jan '10	Feb '10	Mar '10	Apr '10	May '10	Jun '10	
1.	EAF (%)	98.9	99.0	99.2	99.2	99.2	99.2	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	1.1	1.0	0.8	0.8	0.8	0.8	
4.	EUOR (%)	1.1	1.0	0.8	0.8	0.8	0.8	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	738.0	667.0	737.0	714.0	738.0	714.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	6.0	5.0	6.0	6.0	6.0	6.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	8.0	7.0	6.0	6.0	6.0	6.0	
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	1119520.0	1002478.0	1108378.0	1043515.0	1009748.0	996625.0	
13.	Net Gen (MWH)	109253.4	97716.9	108039.6	101322.0	98329.7	96162.2	
14.	ANOHR (Btu/KWH)	10247.0	10259.0	10259.0	10299.0	10269.0	10364.0	
15.	NOF %	91.4	90.4	90.5	87.6	82.2	83.1	
16.	NPC (MW)	162.0	162.0	162.0	162.0	162.0	162.0	

19.	ANOHR Equation	10^6 / AKW * [687.91 - 14.60 * MAY + 14.79 * JUL - 15.35 * SEP - 8.29 * OCT] + 84 + 0.03669 * LSRF / AKW

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GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	SMITH 1	Jul '10	Aug '10	Sep '10	Oct '10	Nov '10	Dec '10	Total
1.	EAF (%)	99.2	99.2	99.2	98.9	79.1	79.7	95.8
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	0.8	0.8	0.8	1.1	20.9	20.3	4.2
4.	EUOR (%)	0.8	0.8	0.8	1.1	20.9	20.3	4.2
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	738.0	738.0	714.0	738.0	572.0	595.0	8403.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	6.0	6.0	6.0	6.0	149.0	149.0	357.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	6.0	6.0	6.0	8.0	7.0	7.0	79.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	144.0	144.0	288.0
12.	Oper MBtu	1054267.0	1053450.0	991707.0	1079100.0	820312.0	843583.0	12122683.0
13.	Net Gen (MWH)	100848.2	101959.9	96818.0	105452.9	79441.4	81568.7	1176912.9
14.	ANOHR (Btu/KWH)	10454.0	10332.0	10243.0	10233.0	10326.0	10342.0	10300.0
15.	NOF %	84.4	85.3	83.7	88.2	85.7	84.6	86.5
16.	NPC (MW)	162.0	162.0	162.0	162.0	162.0	162.0	162.0

19.	ANOHR Equation	10^6 / AKW * [687.91 - 14.60 * MAY + 14.79 * JUL - 15.35 * SEP - 8.29 * OCT] + 84 + 0.03669 * LSRF / AKW

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	SMITH 2	Jan '10	Feb '10	Mar '10	Apr '10	May '10	Jun '10	
1.	EAF (%)	97.6	90.5	84.9	75.0	47.3	97.8	
2.	POF (%)	0.0	0.0	0.0	23.3	51.6	0.0	
3.	EUOF (%)	2.4	9.5	15.1	1.7	1.1	2.2	
4.	EUOR (%)	2.4	9.5	15.1	2.2	2.2	2.2	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	727.0	610.0	633.0	540.0	352.0	704.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	17.0	62.0	110.0	180.0	392.0	16.0	
9.	POH	0.0	0.0	0.0	168.0	384.0	0.0	
10.	FOH & EFOH	18.0	16.0	16.0	12.0	8.0	16.0	
11.	MOH & EMOH	0.0	48.0	96.0	0.0	0.0	0.0	
12.	Oper MBtu	1219689.0	1004689.0	1047639.0	833697.0	536719.0	1097904.0	
13.	Net Gen (MWH)	117221.4	97684.9	101870.8	80965.0	52113.7	104502.6	
14.	ANOHR (Btu/KWH)	10405.0	10285.0	10284.0	10297.0	10299.0	10506.0	
15.	NOF %	82.7	82.1	82.5	76.9	75.9	76.1	
16.	NPC (MW)	195.0	195.0	195.0	195.0	195.0	195.0	

19.	ANOHR Equation	10^6 / AKW * [104.09 + 19.47 * JAN + 30.73 * JUN + 21.41 * JUL + 14.11 * AUG] + 9,055 + 0.00351 * LSRF / AKW

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GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	SMITH 2	Jul '10	Aug '10	Sep '10	Oct '10	Nov '10	Dec '10	Total
1.	EAF (%)	97.7	97.7	97.8	97.6	97.5	97.4	89.9
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	6.3
3.	EUOF (%)	2.3	2.3	2.2	2.4	2.5	2.6	3.8
4.	EUOR (%)	2.3	2.3	2.2	2.4	2.5	2.6	4.1
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	727.0	727.0	704.0	727.0	705.0	727.0	7883.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	17.0	17.0	16.0	17.0	16.0	17.0	877.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	552.0
10.	FOH & EFOH	17.0	17.0	16.0	18.0	18.0	19.0	191.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	144.0
12.	Oper MBtu	1163279.0	1173538.0	1097033.0	1157874.0	1052705.0	1065222.0	12449988.0
13.	Net Gen (MWH)	111510.6	113057.6	106559.8	112524.2	102164.7	103329.3	1203504.6
14.	ANOHR (Btu/KWH)	10432.0	10380.0	10295.0	10290.0	10304.0	10309.0	10345.0
15.	NOF %	78.7	79.8	77.6	79.4	74.3	72.9	78.3
16.	NPC (MW)	195.0	195.0	195.0	195.0	195.0	195.0	195.0

19.	ANOHR Equation	10^6 / AKW * [104.09 + 19.47 * JAN + 30.73 * JUN + 21.41 * JUL + 14.11 * AUG] + 9,055 + 0.00351 * LSRF / AKW

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GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	DANIEL 1	Jan '10	Feb '10	Mar '10	Apr '10	May '10	Jun '10	
1.	EAF (%)	71.4	72.0	0.0	16.1	96.6	96.7	
2.	POF (%)	0.0	25.0	100.0	83.3	0.0	0.0	
3.	EUOF (%)	28.6	3.0	0.0	0.6	3.4	3.3	
4.	EUOR (%)	28.6	4.0	0.0	3.3	3.4	3.3	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	533.0	487.0	0.0	116.0	719.0	696.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	211.0	185.0	743.0	604.0	25.0	24.0	
9.	POH	0.0	168.0	743.0	600.0	0.0	0.0	
10.	FOH & EFOH	21.0	20.0	0.0	4.0	25.0	24.0	
11.	MOH & EMOH	192.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	2130789.0	1932244.0	0.0	464394.0	2928258.0	2694138.0	
13.	Net Gen (MWH)	202527.2	185757.0	0.0	44726.4	279094.4	257689.0	
14.	ANOHR (Btu/KWH)	10521.0	10402.0	-	10383.0	10492.0	10455.0	
15.	NOF %	74.5	74.8	0.0	75.6	76.1	72.6	
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	

19.	ANOHR Equation	10^6 / AKW * [1634.36 + 42.82 * JAN + 46.68 * MAY] + 2,345 + 0.00898 * LSRF / AKW

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GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	DANIEL 1	Jul '10	Aug '10	Sep '10	Oct '10	Nov '10	Dec '10	Total
1.	EAF (%)	96.6	96.6	96.4	96.4	96.4	96.4	77.7
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	17.2
3.	EUOF (%)	3.4	3.4	3.6	3.6	3.6	3.6	5.0
4.	EUOR (%)	3.4	3.4	3.6	3.6	3.6	3.6	6.1
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	719.0	719.0	696.0	719.0	697.0	719.0	6820.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	25.0	25.0	24.0	25.0	24.0	25.0	1940.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	1511.0
10.	FOH & EFOH	25.0	25.0	26.0	27.0	26.0	27.0	250.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	192.0
12.	Oper MBtu	2883961.0	2945579.0	2784918.0	2887483.0	2731310.0	2849463.0	27232537.0
13.	Net Gen (MWH)	277865.0	284927.4	268193.2	278258.0	261920.8	273907.8	2614866.2
14.	ANOHR (Btu/KWH)	10379.0	10338.0	10384.0	10377.0	10428.0	10403.0	10415.0
15.	NOF %	75.8	77.7	75.6	75.9	73.7	74.7	75.2
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	510.0

19.	ANOHR Equation	10^6 / AKW * [1634.36 + 42.82 * JAN + 46.68 * MAY] + 2,345 + 0.00898 * LSRF / AKW

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GULF POWER COMPANY

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	DANIEL 2	Jan '10	Feb '10	Mar '10	Apr '10	May '10	Jun '10	
1.	EAF (%)	89.7	71.6	30.6	95.6	95.8	95.8	
2.	POF (%)	0.0	0.0	67.8	0.0	0.0	0.0	
3.	EUOF (%)	10.3	28.4	1.6	4.4	4.2	4.2	
4.	EUOR (%)	10.3	28.4	5.0	4.4	4.2	4.2	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	667.0	483.0	229.0	690.0	713.0	690.0	
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	UH	77.0	189.0	514.0	30.0	31.0	30.0	
9.	POH	0.0	0.0	504.0	0.0	0.0	0.0	
10.	FOH & EFOH	29.0	23.0	12.0	32.0	31.0	30.0	
11.	MOH & EMOH	48.0	168.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	2865791.0	1968134.0	960023.0	2730559.0	2897874.0	2698398.0	
13.	Net Gen (MWH)	290442.0	196636.4	97001.4	264743.0	282940.2	260790.4	
14.	ANOHR (Btu/KWH)	9867.0	10009.0	9897.0	10314.0	10242.0	10347.0	
15.	NOF %	85.4	79.8	83.1	75.2	77.8	74.1	
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	

19.	ANOHR Equation	10^6 / AKW * [1662.56 - 88.78 * JAN - 74.02 * FEB - 93.64 * MAR + 51.38 * AUG + 58.75 * SEP] + 2,870 + 0.00738 * LSRF / AKW

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GULF POWER COMPANY

PERIOD OF: January 2010 - December 2010

	DANIEL 2	Jul '10	Aug '10	Sep '10	Oct '10	Nov '10	Dec '10	Total
1.	EAF (%)	95.8	95.8	95.6	95.8	95.8	95.6	87.8
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	5.8
3.	EUOF (%)	4.2	4.2	4.4	4.2	4.2	4.4	6.4
4.	EUOR (%)	4.2	4.2	4.4	4.2	4.2	4.4	6.8
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	713.0	713.0	690.0	713.0	691.0	713.0	7705.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.	UH	31.0	31.0	30.0	31.0	30.0	31.0	1055.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	504.0
10.	FOH & EFOH	31.0	31.0	32.0	31.0	30.0	33.0	345.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	216.0
12.	Oper MBtu	2882603.0	2981057.0	2822770.0	2889422.0	2710352.0	2873440.0	31280423.0
13.	Net Gen (MWH)	281065.0	288610.4	271107.4	281894.8	262123.0	279953.2	3057307.2
14.	ANOHR (Btu/KWH)	10256.0	10329.0	10412.0	10250.0	10340.0	10264.0	10231.0
15.	NOF %	77.3	79.4	77.0	77.5	74.4	77.0	77.8
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	510.0

19.	ANOHR Equation	10^6 / AKW * [1662.56 - 88.78 * JAN - 74.02 * FEB - 93.64 * MAR + 51.38 * AUG + 58.75 * SEP] + 2,870 + 0.00738 * LSRF / AKW

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Planned Outage Schedules (Estimated)

Gulf Power Company

Period of: January 2010 - December 2010

Plant & Unit	Planned Outage Dates			Reason for Outage
Crist 4	11/13/10	-	12/12/10	General boiler maintenance and inspection.
Smith 2	04/24/10	-	05/16/10	Turbine valve outage, maintenance and inspection.
Daniel 1	02/22/10	-	04/25/10	Major Turbine outage.
Daniel 2	03/27/10	-	04/16/10	General boiler maintenance and inspection.

Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: January 2010 - December 2010

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 2010 - December 2010, 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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