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September 1, 2015

GULF POWER
A SOUTHERN COMPANY

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

RE: Docket No. 150001-EI

Dear Ms. Stauffer:

Attached for official filing in the above-referenced docket are the following:

1. The Petition of Gulf Power Company.

2. Prepared direct testimony and exhibits of H. R. Ball.

3. Prepared direct testimony and exhibits of C. Shane Boyett.

4. Prepared direct testimony and exhibits of C. L. Nicholson.

Pursuant to the Order Establishing Procedure in this docket, electronic copies of exhibit CSB-3 and CLN-2 will be provided to the parties under separate cover.

Sincerely,

Robert L. McGee, Jr.

Robert L. McGee, Jr.
Regulatory and Pricing Manager

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Attachments

cc: Florida Public Service Commission
Suzanne Brownless, Sr. Attorney, Office of the General Counsel (5 copies)
Beggs & Lane
Jeffrey A. Stone, Esq.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: Fuel and Purchased Power Cost Recovery Clauses and Generating Performance Incentive Factor.	))))	Docket No.: 150001-EI Filed: September 1, 2015

PETITION OF GULF POWER COMPANY FOR APPROVAL OF FINAL FUEL COST TRUE-UP AMOUNTS FOR JANUARY 2014 THROUGH DECEMBER 2014; FINAL GPIF ADJUSTMENT FOR JANUARY 2014 THROUGH DECEMBER 2014; ESTIMATED FUEL COST TRUE-UP AMOUNTS FOR JANUARY 2015 THROUGH DECEMBER 2015; PROJECTED FUEL COST RECOVERY AMOUNTS FOR JANUARY 2016 THROUGH DECEMBER 2016; FINAL PURCHASED POWER CAPACITY COST TRUE-UP AMOUNTS FOR JANUARY 2014 THROUGH DECEMBER 2014; ESTIMATED PURCHASED POWER CAPACITY COST TRUE-UP AMOUNTS FOR JANUARY 2015 THROUGH DECEMBER 2015; PROJECTED PURCHASED POWER CAPACITY COST RECOVERY AMOUNTS FOR JANUARY 2016 THROUGH DECEMBER 2016; ESTIMATED AS-AVAILABLE AVOIDED ENERGY COSTS; GPIF TARGETS AND RANGES FOR JANUARY 2016 THROUGH DECEMBER 2016; FINANCIAL HEDGING ACTIVITIES AND SETTLEMENTS FOR AUGUST 2014 THROUGH JULY 2015; GULF POWER COMPANY'S RISK MANAGEMENT PLAN FOR FUEL PROCUREMENT; FUEL COST RECOVERY FACTORS TO BE APPLIED BEGINNING WITH THE PERIOD JANUARY 2016 THROUGH DECEMBER 2016; AND CAPACITY COST RECOVERY FACTORS TO BE APPLIED BEGINNING WITH THE PERIOD JANUARY 2016 THROUGH DECEMBER 2016

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

Jeffrey A. Stone jas@beggslane.com Russell A. Badders rab@beggslane.com Steven R. Griffin srg@beggslane.com Beggs & Lane P. O. Box 12950 Pensacola, FL 32591	Robert L. McGee, Jr. Regulatory and Pricing Manager Gulf Power Company One Energy Place Pensacola, FL 32520-0780

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 2014 through December 2014; (b) final GPIF adjustment; (c) estimated fuel cost true-up amounts for the period January 2015 through December 2015; (d) projected fuel cost recovery amounts for the period January 2016 through December 2016; (e) final purchased power capacity cost true-up amounts for the period January 2014 through December 2014; (f) estimated purchased power capacity cost true-up amounts for the period January 2015 through December 2015; (g) projected purchased power capacity cost recovery amounts for the period January 2016 through December 2016; (h) estimated as-available avoided energy costs for qualifying facilities (QF's); (i) GPIF targets and ranges for January 2016 through December 2016; (j) financial hedging activities and settlements for August 2014 through July 2015; (k) Gulf Power Company's Risk Management Plan; (l) fuel cost recovery factors to be applied beginning with the period January 2016 through December 2016; and (m) capacity cost recovery factors to be applied beginning with the period January 2016 through December 2016.

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 October 2014 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, 2014, the actual fuel true-up amount for the subject twelve months should be an under recovery of

$34,917,227 instead of the estimated under recovery of $43,001,980 as approved previously by this Commission. The difference between these two amounts, $8,084,753, is submitted for approval by the Commission to be refunded in the next period. The supporting data has been prepared in accordance with the uniform system of accounts as applicable to the Company's fuel cost procedures and fairly presents the Company's fuel and purchased energy expenses for the period. Amounts spent by the Company for fuel and purchased energy are reasonable and prudent, and the Company makes every effort to secure the most favorable price for all of the fuel it purchases and for its energy purchases.

GPIF ADJUSTMENT

(2) On March 17, 2015, Gulf filed the testimony and exhibit of C. L. Nicholson containing the Company's actual operating results for the period January 2014 through December 2014. Based on the actual operating results for the period January 2014 through December 2014, Gulf should receive a reward in the amount of $2,648,312. 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 2015 through December 2015. 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 2015 through December 2015) is an over recovery of $11,285,334. The supporting data is provided in the testimony and schedules of C. S. Boyett 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 2014 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 refund of this total true-up amount, $19,370,087, during the period of January 2016 through December 2016.

PROJECTED FUEL COST RECOVERY AMOUNTS

(4) Gulf has calculated its projected fuel cost recovery amounts for the months January 2016 through December 2016 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 C. S. Boyett filed herewith. The supporting data prepared in accordance with the Commission Staff's suggested procedures and format is attached as Schedules E-1 through E-11, and H-1 of the exhibit to the testimony of Mr. Boyett 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 October 2014 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 2014, the final purchased power capacity cost true-up amount for the subject twelve months should be an actual over recovery of $370,360, instead of the estimated over recovery of $1,263,407 as approved previously by this Commission. The difference between these two amounts, $893,047, 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 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 2015 through December 2015. Based on six months actual and six months projected data, the Company's estimated capacity cost true-up amount for the current period is an over recovery of $910,906. 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 2014 to reach the total capacity cost true-up to be addressed in the factors for the next cost recovery period. The proposed capacity cost recovery factors reflect the refund of this total capacity cost true-up amount, $17,859, during the period of January 2016 through December 2016.

PROJECTED PURCHASED POWER CAPACITY COST RECOVERY AMOUNTS

(7) Gulf has calculated its projected purchased power capacity cost recovery amounts for the months January 2016 through December 2016 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 $85,539,016

projected for the period January 2016 through December 2016.

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 C. S. Boyett 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 2016 through December 2016. 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 customers.

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 C. S. Boyett 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 2016 through December 2016. The computations and supporting data for the Company's GPIF targets and ranges are provided in the testimony and exhibit of C. L. Nicholson filed herewith. The GPIF targets for the period January 2016 through December 2016 are:

Unit	EAF	Heat Rate
Crist 6	95.7	10,760
Crist 7	82.3	10,449
Daniel 1	92.9	10,698
Daniel 2	95.2	10,605
Smith 3	83.2	6,874
EAF = Equivalent Availability Factor (%)		

HEDGING ACTIVITIES AND SETTLEMENTS

(10) As demonstrated in Schedule 4 filed as part of Exhibit HRB-1 to the testimony of H.R. Ball on March 3, 2015, the Hedging Information Report filed on April 7, 2015, and the Hedging Information Report filed on August 14, 2015, Gulf experienced a net loss of $32,349,211 associated with its natural gas hedging transactions effected between August 1, 2014 and July 31, 2015 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, 2014 through July 31, 2015 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, 2015.

FUEL COST RECOVERY FACTORS

(12) The proposed levelized fuel and purchased energy cost recovery factor, including GPIF and True-Up, herein requested is 3.650 ¢/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, RSTOU, GS, GSD, GSDT, GSTOU, SBS, OSIII	1.00773	3.678	4.494	3.342
B	LP, LPT, SBS	0.98353	3.590	4.387	3.261
C	PX, PXT, RTP, SBS	0.96591	3.526	4.308	3.203
D	OSI/II	1.00777	3.631	N/A	N/A

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

CAPACITY COST RECOVERY FACTORS

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

RATE CLASS	CAPACITY COST RECOVERY FACTORS ¢/kWh
RS, RSVP, RSTOU	0.919
GS	0.812
GSD, GSDT, GSTOU	0.705
LP, LPT	2.98 ($/kW)
PX, PXT, RTP, SBS	0.581
OS-I/II	0.123
OSIII	0.544

WHEREFORE, Gulf Power Company respectfully requests the Commission to approve the final fuel adjustment true-up for the period January 2014 through December 2014; the GPIF adjustment for the period January 2014 through December 2014; the estimated fuel cost true-up for the period January 2015 through December 2015; the projected fuel cost recovery amount for the period January 2016 through December 2016; the final purchased power capacity cost true-up amount for the period January 2014 through December 2014; the estimated purchased power capacity cost recovery true-up amount for the period January 2015 through December 2015; the projected purchased power capacity cost recovery amount for the period January 2016 through December 2016; the estimated as-available avoided energy costs for QF's; the GPIF targets and ranges for the period January 2016 through December 2016; the financial hedging activities and settlements for the period August 2014 through July 2015; Gulf Power Company's Risk Management Plan for Fuel Procurement; the fuel cost recovery factors to be applied beginning with the period January 2016 through December 2016; and the capacity cost recovery factors to be applied beginning with the period January 2016 through December 2016.

Dated the 1st day of September, 2015.

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

FUEL AND PURCHASED POWER COST RECOVERY CLAUSE

Docket No. 150001-EI

PREPARED DIRECT TESTIMONY AND EXHIBITS OF

H. R. Ball

PROJECTION FILING FOR THE PERIOD

JANUARY 2016 – DECEMBER 2016

Date of Filing: September 1, 2015

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. 150001-EI
Date of Filing: September 1, 2015

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, 2016 through December 31, 2016. 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 April 7, 2015 and assigned Document Number DN 01913-15 (redacted) and 01912-15 (confidential information). This exhibit details Gulf Power's natural gas hedging transactions for August through December 2014 in compliance with Order No. PSC-08-0316-PAA-EI. The third exhibit (HRB-4) I am sponsoring as part of this testimony is Gulf Power Company's Hedging Information Report filed with the Commission Clerk on August 14, 2015 and assigned Document Number DN 05106-15 (redacted) and 05102-15 (confidential information). This exhibit details Gulf Power's natural gas hedging transactions for January through July 2015 in compliance with Order No. PSC-08-0316-PAA-EI. The fourth exhibit (HRB-5) I am sponsoring is Gulf Power Company's "Risk Management Plan for Fuel Procurement." This exhibit was filed with the Commission Clerk pursuant to a separate request for confidential classification on August 4, 2015 and assigned Document Number DN 04935-15 (redacted) and 04906-15 (confidential information). 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.

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 2016 through December 2016 recovery period?

A. Gulf's projected total fuel and net power transaction cost for the period is $431,051,133. This projected amount is captured in the exhibit to Witness Boyett's testimony, Schedule E-1, line 19.

Q. How does the total projected fuel and net power transactions cost for the 2016 period compare to the updated projection of fuel cost for the same period in 2015?

A. The total updated cost of fuel and net power transactions for 2015, reflected on Schedule E-1B-1 line 21 of Witness Boyett's testimony filed in this docket on August 4, 2015, is projected to be $431,021,459. The projected total cost of fuel and net power transactions for the 2016 period reflects an increase of $29,674 or 0.01% more than the same period in 2015. On a fuel cost per kWh basis, the 2015 projected cost is 3.5539 cents per kWh and the 2016 projected fuel cost is 3.5937 cents per kWh, an increase of 0.0398 cents per kWh or 1.12%.

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

A. The projected total cost of fuel to meet system generated power needs in 2016 is $289,255,133. The projection of fuel cost of system generated power for 2016 is captured in the exhibit to Witness Boyett's testimony, Schedule E-1, line 5.

Q. How does the projected total fuel cost of generated power for the 2016 period compare to the updated projection of fuel cost for the same period in 2015?

A. The total updated cost of fuel to meet 2015 system generated power needs, reflected on Schedule E-1B-1, line 6 of Witness Boyett's testimony filed in this docket on August 4, 2015, is projected to be $330,357,916. The projected total cost of fuel to meet system net generation needs for the 2016 period reflects a decrease of $41,102,783 or 12.44% less than the same period in 2015. Total system net generation in 2016 is projected to be 8,228,439,000 kWh, which is 63,318,000 kWh or 0.76% lower than is currently projected for 2015. On a fuel cost per kWh basis, the 2015 projected cost is 3.9842 cents per kWh and the 2016 projected fuel cost is 3.5153 cents per kWh, a decrease of 0.4689 cents per kWh or 11.77%. This lower projected total fuel expense and average per unit fuel cost is the result of a lower projected cost of coal and natural gas (includes estimated hedging settlement costs) fired generation (cents/kWh) for the 2016 period. Weighted average coal burned price for 2015 as reflected on Schedule E-3, line 29 of Witness Boyett's testimony filed in this docket on August 4, 2015, is projected to be $81.96 per ton. Weighted average coal burned price for 2016, as reflected on Schedule

E-3, line 29 of the exhibit to Witness Boyett's testimony, is projected to be $74.49 per ton. This reflects a cost decrease of $7.47 per ton or 9.11%. Several of Gulf's coal supply contracts have or will expire by the end of 2015 and these are projected to be replaced with lower priced coal supply agreements. Gulf's coal supply agreements have firm price and quantity commitments with the contract coal suppliers and these contracts will cover a portion of Gulf's 2016 projected coal burn needs. The remaining coal supply needs will be purchased on the spot market. Weighted average natural gas price for 2015, as reflected on Schedule E-3, line 33 of the exhibit to Witness Boyett's testimony filed in this docket on August 4, 2015, is projected to be $4.11 per MMBtu. When the cost of natural gas hedging settlements (Schedule E-1-B1, line 1a) is included in the total delivered gas cost, the 2015 projected cost is $5.76 per MMBtu. Weighted average natural gas price for 2016, as reflected on Schedule E-3, line 33 of the exhibit to Witness Boyett's testimony, is projected to be $4.98 per MMBtu. This is a decrease in price of $0.78 per MMBtu or 13.54%. As reflected on Schedule E-3, lines 40 and 41 of the exhibit to Witness Boyett's testimony, the projected fuel cost of Gulf's coal fired generation is 3.59 cents per kWh and the projected fuel cost of Gulf's gas fired generation is 3.42 cents per kWh for the 2016 period. The generation mix in 2015, as reflected on Schedule E-3, lines 23 and 24 of the exhibit to Witness Boyett's testimony filed in this docket on August 4, 2015, is projected to be 53.03% coal and 46.66% gas. The generation mix in 2016, as reflected on Schedule E-3, lines 23 and 24 of the exhibit to Witness Boyett's testimony, is projected to be 55.87% coal and 43.83% gas. The projected cost of landfill gas to supply the Perdido Landfill Gas to Energy Facility in the

2015 projection period is $760,877 and the rate as reflected on Schedule E-3, line 42 of the exhibit to Witness Boyett's testimony filed in this docket on August 4, 2015, is projected to be 3.06 cents per kWh. The total projected cost for landfill gas in 2016 is $758,264 and the total facility generation is projected to be 24,788,000 kWh. The average rate, as reflected on Schedule E-3, line 42 of the exhibit to Witness Boyett's testimony, is projected to be 3.06 cents per kWh.

Q. Does the 2016 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 both existing and new negotiated 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-5) 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 pipeline 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 its customers 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 indices. Gulf's "Risk Management Plan for Fuel Procurement" is a reasonable and appropriate strategy for protecting its customers 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 2015 through July 2015?

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 April 7, 2015 and also on August 14, 2015 detailing its natural gas hedging transactions for August 2014 through July 2015. As noted earlier, I am sponsoring these reports as exhibits ______ (HRB-3 and HRB-4) to my testimony in this docket.

Q. Has Gulf adequately mitigated the price risk of natural gas and purchased power for 2015 through 2016?

A. Yes. Gulf has natural gas financial hedges in place for 2015 to adequately mitigate price risk. Gulf currently has natural gas hedges in place for 2016 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 by entering into financial hedge agreements whose total quantity exceed the projected natural gas burn for the period. 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 and the gas fired PPA units for which Gulf has tolling agreements. 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. What are Gulf's projected recoverable fuel cost and gains on power sales for the 2016 period?

A. Gulf's projected recoverable fuel cost and gains on power sales is $86,889,000. This projected amount is captured in the exhibit to Witness Boyett's testimony, Schedule E-1, line 17.

Q. How does the total projected recoverable fuel cost and gains on power sales for the 2016 period compare to the projected recoverable fuel cost and gains on power sales for the same period in 2015?

A. The total updated recoverable fuel cost and gains on power sales in 2015, reflected on Schedule E-1B-1, line 18 of Witness Boyett's testimony filed in this docket on August 4, 2015, is projected to be $64,151,453. The projected recoverable fuel cost and gains on power sales in 2016 represents an increase of $22,737,547 or 35.44%. Total quantity of power sales in 2016 is projected to be 3,370,149,000 kWh, which is 165,833,291 kWh or 4.69% less than currently projected for 2015. On a fuel cost per kWh basis, the 2015 projected cost is 1.8142 cents per kWh and the 2016 projected fuel cost is

2.5782 cents per kWh, which is an increase of 0.7640 cents per kWh or 42.11%. The 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 marginal fuel prices for units operating to meet incremental system loads partially offset by a decreased quantity of energy sales for the period. The marginal fuel costs to operate Gulf generating units that run to meet power sales requirements are passed on to the purchasers of power and are reflected in the higher rate (cents/kWh) for the 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 $228,685,000. This projected amount is captured in the exhibit to Witness Boyett's testimony, Schedule E-1, line 12.

Q. How does the total projected purchased power cost for the 2016 period compare to the projected purchased power cost for the same period in 2015?

A. The total updated cost of purchased power to meet 2015 system needs, reflected on Schedule E-1B-1, line 13 of Witness Boyett's testimony filed in this docket on August 4, 2015, is projected to be $164,814,996. The projected cost of purchased power to meet system needs in 2016 is $63,870,004 or 38.75% higher than is currently projected for 2015. The total quantity of purchased power in 2016 is projected to be 7,136,326,000 kWh, which is 236,022,747 kWh or 3.20% lower than is currently projected for 2015. On a fuel cost per kWh basis, the 2015 projected cost is 2.2356 cents per kWh and the 2016 projected fuel cost is 3.2045 cents per kWh, which represents an increase of 0.9689 cents per kWh or 43.34%.

Q. What is Gulf's projected recoverable capacity payments for the 2016 cost recovery period?

A. The total recoverable capacity payments for the period are $85,539,016. This amount is captured in the exhibit to Witness Boyett's testimony, Schedule CCE-1, line 10. Schedule CCE-4 of Mr. Boyett's testimony shows the projected cost associated with Southern Intercompany Interchange and lists the long-term purchased power contracts that are included for capacity cost recovery, their associated capacity amounts in megawatts, and the resulting cost. Also included in Gulf's 2016 projection of capacity cost is revenue produced by a market-based service agreement between the Southern electric system operating companies and South Carolina PSA. The total capacity cost of $88,202,632 is shown on Schedule CCE-4, line 13 in the exhibit to Witness Boyett's testimony. The total capacity cost included on Schedule CCE-4 line 13 is the sum of 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 for the period?

A. No.

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 $128,000 in its capacity cost recovery projection. This amount is captured in the exhibit to Witness Boyett's testimony, Schedule CCE-1, line 3.

Q. How do the total projected net jurisdictional capacity payments for the 2016 period compare to the current estimated net jurisdictional capacity payments for the same period in 2015?

A. Gulf's 2016 Projected Jurisdictional Capacity Payments, found in the exhibit to Witness Boyett's testimony, Schedule CCE-1, line 6, are $85,495,331. This amount is $438,247 or 0.51% less than the current estimate of $85,933,578 (Schedule CCE-1B, line 6) for 2015 that was filed in Mr. Boyett's actual/estimated true-up testimony in this docket on August 4, 2015. The projected capacity payment decrease is the result of a decrease in Gulf's estimated PPA capacity payments offset somewhat by an increase in the estimated IIC payments for the period.

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

A. Yes, it does.

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 150001-EI

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

Herbert R. Ball

Herbert R. Ball
Fuel Services Manager

Sworn to and subscribed before me this 31st day of August, 2015.

Melissa A. Darnes
Notary Public, State of Florida at Large

NOTARY PUBLIC STATE OF FLORIDA
MELISSA A. DARNES
MY COMMISSION # EE 150873
EXPIRES: December 17, 2015
Bonded Thru Budget Notary Services

Schedule 1

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 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	4.3406	3.8661	(10.93)
December 2010	4.8818	4.9626	1.66
December 2011	4.7917	4.7259	1.37
December 2012	4.2617	3.9806	(6.60)
December 2013	4.1654	4.2198	1.31
December 2014	4.0342	4.0624	0.70
December 2015	3.4644[(2)]		
December 2016	3.5155[(3)]		

(1) Line No. 1 from FPSC Schedule A-1, December, Period To Date
(2) Line No. 1 from FPSC Schedule E-1B-1, 2015 Actual / Estimated True-Up
(3) Line No. 1 from FPSC Schedule E-1, 2016 Projection Filing

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

FUEL AND PURCHASED POWER COST RECOVERY CLAUSE

Docket No. 150001-EI

PREPARED DIRECT TESTIMONY AND EXHIBIT OF

C. SHANE BOYETT

PROJECTION FILING FOR THE PERIOD

JANUARY 2016 – DECEMBER 2016

SEPTEMBER 1, 2015

GULF POWER

A SOUTHERN COMPANY

GULF POWER COMPANY

Before the Florida Public Service Commission
Prepared Direct Testimony and Exhibit of
C. Shane Boyett
Docket No. 150001-EI
Date of Filing: September 1, 2015

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

A. My name is Shane Boyett. My business address is One Energy Place, Pensacola, Florida 32520-0780. I am the Supervisor of Regulatory and Cost Recovery at Gulf Power Company.

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

A. I graduated from the University of Florida in Gainesville, Florida in 2001 with a Bachelor of Science Degree in Business Administration. I also hold a Master of Business Administration from the University of West Florida in Pensacola, Florida. I joined Gulf Power in 2002 as a Forecasting Specialist where I worked for five years until I took a position in the Regulatory and Cost Recovery area in 2007 as a Regulatory Analyst. After working in the Regulatory and Cost Recovery department for seven years, I transferred to Gulf Power's Financial Planning department as a Financial Analyst where I worked until being promoted to my current position of Supervisor of Regulatory and Cost Recovery. My responsibilities include supervision of: tariff administration, calculation of cost recovery factors, and the regulatory filing function of the Regulatory and Cost Recovery department.

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 2016 through December 2016. I will also discuss the calculation of the purchased power capacity cost recovery factors for the period January 2016 through December 2016.

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

A. Yes. I have one exhibit consisting of 15 schedules, each of which was prepared under my direction, supervision, or review.

Counsel: We ask that Mr. Boyett's exhibit consisting of 15 schedules, be marked as Exhibit No. _____(CSB-3)

Q. Mr. Boyett, what is the levelized projected fuel factor for the period January 2016 through December 2016?

A. Gulf has proposed a levelized fuel factor of 3.650¢/kWh. This factor is based on projected fuel and purchased power energy expenses for January 2016 through December 2016 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 2016 is 0.685¢/kWh more or 16 percent lower than the levelized fuel factor in place January through December 2015.

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 2016 through December 2016.

A. As shown on Schedule E-1A of my exhibit, the true-up amount of $19,370,087 to be refunded during 2016 includes an estimated over-recovery for the January through December 2015 period of $11,285,334 plus a final over-recovery for the period January through December 2014 of $8,084,753. The estimated over-recovery for the January through December 2015 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 2014 through December 2014?

A. The GPIF result is shown on Line 31 of Schedule E-1 as an increase of 0.0240¢/kWh to the levelized fuel factor, thereby rewarding Gulf $2,648,312.

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 29 of Schedule E-1.

Q. Mr. Boyett, 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. Boyett, 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 3.678¢/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. Boyett, 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 2016 through December 2016. 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 2015 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 2015 is 4.369¢/kWh compared with the proposed factor of 3.678¢/kWh. For a residential customer who is billed for 1,000 kWh in

January 2016, the fuel portion of the bill would decrease from $43.69 to $36.78.

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 2016 through December 2017.

Q. What amount have you calculated to be the appropriate benchmark level for calendar year 2016 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 $752,900 has been calculated for 2016 as follows:

2013 actual gains	194,730
2014 actual gains	1,319,633
2015 estimated gains	744,338
Three-Year Average	$ 752,900

This amount represents the minimum projected threshold for 2016 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 2016.

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 CSB-3 relate to the calculation of the PPCC recovery factors for the period January 2016 through December 2016.

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 2016 through December 2016, is $88,074,632. The jurisdictional amount is $85,495,331. 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 approved by the Commission in Order No. PSC-12-0179-FOF-EI issued April 3, 2012, in Docket No. 110138-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 approved by the Commission in Order No. PSC-12-0179-FOF-EI issued April 3, 2012, in Docket No. 110138-EI.

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 2012 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 ¢/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.

Gulf has calculated the PPCC factor for the LP/LPT rate classes based on kilowatt (kW) rather than kilowatt hour (kWh) in accordance with Order No. PSC-13-0670-S-EI issued December 9, 2013 in Docket No. 130140-EI. The total revenue requirement assigned to rate class LP/LPT shown in column E is then divided by the sum of the projected billing demands (kW) for the twelve-month period to calculate the PPCC recovery factor. This factor would be applied to each LP/LPT customer's billing demand (kW) to calculate the amount to be billed each month.

For all other rate classes, 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 is billed for 1,000 kWh will be $9.19.

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 2016 and continuing through the last billing cycle of December 2016.

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

A. Yes.

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 150001-EI

Before me, the undersigned authority, personally appeared C. Shane Boyett, who being first duly sworn, deposes and says that he is the Supervisor of Regulatory and Cost Recovery of Gulf Power Company, a Florida corporation, that the foregoing is true and correct to the best of his knowledge and belief. He is personally known to me.

C. Shane Boyett

C. Shane Boyett
Supervisor of Regulatory and Cost Recovery

Sworn to and subscribed before me this 31st day of August, 2015.

Melissa A. Darnes

Notary Public, State of Florida at Large

NOTARY PUBLIC STATE OF FLORIDA
MELISSA A. DARNES
MY COMMISSION # EE 150873
EXPIRES: December 17, 2015
Bonded Thru Budget Notary Services

SCHEDULE E-1

FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
GULF POWER COMPANY
PROPOSED FOR THE PERIOD: JANUARY 2016 - DECEMBER 2016

Line			$	kWh	¢ / kWh
1	Fuel Cost of System Net Generation	E-3	286,397,897	8,146,827,000	3.5155
2	Coal Car Investment				
3	Other Generation	E-3	2,857,236	81,612,000	3.5010
4	Hedging Settlement	E-2			
5	**Total Cost of Generated Power**	(Line 1 - 4)	289,255,133	8,228,439,000	3.5153
6	Fuel Cost of Purchased Power (Exclusive of Economy)	E-7			
7	Energy Cost of Schedule C & X Econ. Purch.	E-9			
8	Energy Cost of Other Econ. Purch. (Nonbroker)	E-9	223,394,000	6,944,290,000	3.2169
9	Energy Cost of Schedule E Economy Purch.	E-9			
10	Capacity Cost of Schedule E Economy Purchases	E-2			
11	Energy Payments to Qualifying Facilities	E-8	5,291,000	192,036,000	2.7552
12	**Total Cost of Purchased Power**	(Line 6 - 11)	228,685,000	7,136,326,000	3.2045
13	**Total Available kWh**	(Line 5 + 12)		15,364,765,000	
14	Fuel Cost of Economy Sales	E-6	(2,673,000)	(113,630,000)	2.3524
15	Gain on Economy Sales	E-6	(564,000)	0	N/A
16	Fuel Cost of Other Power Sales	E-6	(83,652,000)	(3,256,519,000)	2.5688
17	**Total Fuel Cost & Gains on Power Sales**	(Line 14 -16)	(86,889,000)	(3,370,149,000)	2.5782
18	Net Inadvertant Interchange				
19	**Total Fuel & Net Power Trans.**	(Line 5+12+17+18)	431,051,133	11,994,616,000	3.5937
20	Net Unbilled Sales *				
21	Company Use *		743,501	20,689,000	3.5937
22	T & D Losses *		21,900,870	609,424,000	3.5937
23	**System kWh Sales**		431,051,133	11,364,503,000	3.7930
24	Wholesale kWh Sales		12,536,358	330,513,000	3.7930
25	Jurisdictional kWh Sales		418,514,775	11,033,990,000	3.7930
25a	Jurisdictional Line Loss Multiplier		1.0015		1.0015
26	Jurisdictional kWh Sales Adjusted for Line Losses		419,142,547	11,033,990,000	3.7986
27	**True-Up** **		(19,370,087)	11,033,990,000	(0.1755)
28	**Total Jurisdictional Fuel Cost**		399,772,460	11,033,990,000	3.6231
29	Revenue Tax Factor				1.00072
30	Fuel Factor Adjusted For Revenue Taxes		400,060,296	11,033,990,000	3.6257
31	GPIF Reward/(Penalty) **		2,648,312	11,033,990,000	0.0240
32	Fuel Factor Adjusted for GPIF		402,708,608	11,033,990,000	3.6497
33	**Fuel Factor Rounded to Nearest .001(¢ / kWh)**				**3.650**

*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 2016 - DECEMBER 2016

1.	Estimated over/(under)-recovery, January 2015 - December 2015 (Schedule E-1B, page 2, line C9)	$11,285,334
2.	Final over/(under)-recovery, January 2014 - December 2014 (Exhibit CSB-1, Schedule 1, Line 3)	$8,084,753
3.	Total over/(under)-recovery (Lines 1 + 2) To be included in January 2016 - December 2016 (Schedule E1, Line 27)	19,370,087
4.	Jurisdictional kWh sales For the period: January 2016 - December 2016	11,033,990,000
5.	True-up Factor (Line 3 / Line 4) x 100 (¢ / kWh)	(0.1755)

CALCULATION OF ESTIMATED TRUE-UP
GULF POWER COMPANY
ACTUAL FOR THE PERIOD JANUARY 2015 - JUNE 2015/ ESTIMATED FOR JULY 2015 - DECEMBER 2015

				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		24,571,634.92	25,625,681.51	19,756,079.15	18,861,038.78	29,828,928.11	31,621,134.55	$150,264,497.02
	1a	Fuel Cost of Hedging Settlement		4,004,715.00	4,645,635.00	2,024,810.00	3,488,270.00	4,168,464.43	4,097,270.00	$22,429,164.43
	2	Fuel Cost of Power Sold		(8,690,972.15)	(11,674,563.09)	(546,125.50)	(564,028.47)	(6,256,884.59)	(5,335,077.99)	($33,067,651.79)
	3	Fuel Cost of Purchased Power		16,688,896.60	14,221,106.03	6,206,306.71	10,027,037.45	12,941,292.51	13,707,132.79	$73,791,772.09
	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		351,686.73	737,355.81	506,349.47	436,231.68	595,659.62	476,940.45	$3,104,223.76
	4	Energy Cost of Economy Purchases		0.00	0.00	0.00	0.00	0.00	0.00	$0.00
	5	Other Generation		232,212.00	234,880.03	216,160.28	192,579.78	258,633.86	226,505.10	$1,360,971.05
	6	Adjustments to Fuel Cost *		(90.11)	626.13	(125,410.22)	8,508.94	10,919.25	212.19	($105,233.82)
	7	TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Thru A6)		37,158,082.99	33,790,721.42	28,038,169.89	32,449,638.16	$41,547,013.19	$44,794,117.09	$217,777,742.74
B	1	Jurisdictional KWH Sales		867,954,895	825,702,267	762,835,492	809,654,001	978,129,295	1,105,249,502	5,349,525,452
	2	Non-Jurisdictional KWH Sales		27,519,518	25,318,858	21,757,928	22,465,423	26,605,236	29,770,105	153,437,068
	3	TOTAL SALES (Lines B1 + B2)		895,474,413	851,021,125	784,593,420	832,119,424	1,004,734,531	1,135,019,607	5,502,962,520
	4	Jurisdictional % of Total Sales (Line B1/B3)		96.9268%	97.0249%	97.2269%	97.3002%	97.3520%	97.3771%	
C	1	Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	(1)	36,716,609.07	35,306,605.99	32,254,495.15	33,994,639.02	41,570,443.79	49,016,438.69	$228,859,231.71
	2	True-Up Provision		(3,996,370.00)	(3,996,375.00)	(3,996,375.00)	(3,996,375.00)	(3,996,375.00)	(3,996,375.00)	($23,978,245.00)
	2a	Incentive Provision		(210,175.00)	(210,177.00)	(210,177.00)	(210,177.00)	(210,177.00)	(210,177.00)	($1,261,060.00)
	3	FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Thru C2a)		$32,510,064.07	$31,100,053.99	$28,047,943.15	$29,788,087.02	$37,363,891.79	$44,809,886.69	$203,619,926.71
	4	Fuel & Net Power Transactions (Line A7)		37,158,082.99	33,790,721.42	28,038,169.89	32,449,638.16	41,547,013.19	44,794,117.09	$217,777,742.74
	5	Jurisdictional Fuel Cost Adj. for Line Losses (Line A7 x Line B4 x 1.0015)		36,070,164.99	32,834,591.79	27,301,534.37	31,620,923.17	40,507,518.55	43,684,641.01	$212,019,373.88
	6	Over/(Under) Recovery (Line C3-C5)		(3,560,100.92)	(1,734,537.80)	746,408.78	(1,832,836.15)	(3,143,626.76)	1,125,245.68	($8,399,447.17)
	7	Interest Provision		(3,291.25)	(3,026.32)	(2,610.96)	(1,976.09)	(2,000.53)	(2,015.51)	($14,920.66)
	8	Adjustments		0.00	0.00	(8,476.52)	1,605.26	0.00	0.00	($6,871.26)
	9	**TOTAL ESTIMATED TRUE-UP FOR THE PERIOD JANUARY 2015 - JUNE 2015**								($8,421,239.09)

* (Gain)/Loss on sales of natural gas and costs of contract dispute litigation.
Note 1: Projected revenues for based on the current approved 2015 Fuel Factor excluding revenue taxes of: 4.3319 ¢/kWh

CALCULATION OF ESTIMATED TRUE-UP
GULF POWER COMPANY
ACTUAL FOR THE PERIOD JANUARY 2015 - JUNE 2015/ ESTIMATED FOR JULY 2015 - DECEMBER 2015

				JULY PROJECTION	AUGUST PROJECTION	SEPTEMBER PROJECTION	OCTOBER PROJECTION	NOVEMBER PROJECTION	DECEMBER PROJECTION	TOTAL PERIOD
				(a)	(a)	(c)	(d)	(e)	(f)	(g)
A	1	Fuel Cost of System Generation		29,993,159.00	32,263,161.00	23,586,131.00	16,958,019.00	12,638,222.00	18,765,033.00	$284,468,222.02
	1a	Fuel Cost of Hedging Settlement		4,209,240.00	4,063,710.00	3,792,620.00	2,866,255.00	2,985,085.00	2,774,905.00	$43,120,979.43
	2	Fuel Cost of Power Sold		(6,471,000.00)	(7,735,000.00)	(5,058,000.00)	(4,550,001.00)	(1,844,800.00)	(5,425,000.00)	($64,151,452.79)
	3	Fuel Cost of Purchased Power		15,186,000.00	14,630,000.00	14,497,000.00	14,795,000.00	13,855,000.00	14,956,000.00	$161,710,772.09
	3a	Demand & Non-Fuel Cost Of Purchased Power		0.00	0.00	0.00	0.00	0.00	0.00	$0.00
	3b	Energy Payments to Qualified Facilities		0.00	0.00	0.00	0.00	0.00	0.00	$3,104,223.76
	4	Energy Cost of Economy Purchases		0.00	0.00	0.00	0.00	0.00	0.00	$0.00
	5	Other Generation		305,763.00	305,763.00	295,918.00	204,032.00	197,469.00	204,032.00	$2,873,948.05
	6	Adjustments to Fuel Cost *		0.00	0.00	0.00	0.00	0.00	0.00	($105,233.82)
	7	TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Thru A6)		$43,223,162.00	$43,527,634.00	$37,113,669.00	$30,273,305.00	$27,830,976.00	$31,274,970.00	$431,021,458.74
B	1	Jurisdictional KWH Sales		1,168,950,000	1,158,165,000	1,023,514,000	844,279,000	770,775,000	862,199,000	11,177,407,452
	2	Non-Jurisdictional KWH Sales		32,794,000	33,092,000	28,964,000	24,796,000	23,058,000	27,359,000	323,500,068
	3	TOTAL SALES (Lines B1 + B2)		1,201,744,000	1,191,257,000	1,052,478,000	869,075,000	793,833,000	889,558,000	11,500,907,520
	4	Jurisdictional % of Total Sales (Line B1/B3)		97.2711%	97.2221%	97.2480%	97.1469%	97.0954%	96.9244%	
C	1	Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	(1)	50,637,523.48	50,170,330.11	44,337,408.97	36,573,161.97	33,389,056.13	37,349,435.06	$481,316,147.43
	2	True-Up Provision		(3,996,375)	(3,996,375)	(3,996,375)	(3,996,375)	(3,996,375)	(3,996,375)	($47,956,495.00)
	2a	Incentive Provision		(210,177)	(210,177)	(210,177)	(210,177)	(210,177)	(210,177)	($2,522,122.00)
	3	FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Thru C2a)		$46,430,971.48	$45,963,778.11	$40,130,856.97	$32,366,609.97	$29,182,504.13	$33,142,883.06	$430,837,530.43
	4	Fuel & Net Power Transactions (Line A7)		43,223,162.00	43,527,634.00	37,113,669.00	30,273,305.00	27,830,976.00	31,274,970.00	$431,021,458.74
	5	Jurisdictional Fuel Cost Adj. for Line Losses (Line A7 x Line B4 x 1.0015)		42,106,710.60	42,381,957.57	36,146,439.28	29,453,691.70	27,063,131.37	30,358,546.64	$419,529,851.04
	6	Over/(Under) Recovery (Line C3-C5)		4,324,260.88	3,581,820.54	3,984,417.69	2,912,918.27	2,119,372.76	2,784,336.42	$11,307,679.39
	7	Interest Provision		(1,350.35)	(817.83)	(296.65)	202.14	638.50	1,070.57	($15,474.28)
	8	Adjustments		0.00	0.00	0.00	0.00	0.00	0.00	($6,871.26)
	9	**TOTAL ESTIMATED TRUE-UP FOR THE PERIOD JANUARY 2015 - DECEMBER 2015**								$11,285,333.85

* (Gain)/Loss on sales of natural gas and costs of contract dispute litigation.
Note 1: Projected revenues for based on the current approved 2015 Fuel Factor excluding revenue taxes of: 4.3319 ¢/kWh

COMPARISON OF ESTIMATED/ACTUAL VERSUS ORIGINAL PROJECTIONS
OF THE FUEL AND PURCHASED POWER COST RECOVERY FACTOR
GULF POWER COMPANY
ACTUAL FOR THE PERIOD JANUARY 2015 - JUNE 2015 / ESTIMATED FOR JULY 2015 - DECEMBER 2015

	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	284,468,222	277,100,854	7,367,368	2.66	8,211,186,000	7,445,892,000	765,294,000	10.28	3.4644	3.7215	(0.2571)	(6.91)
1a Fuel Cost of Hedging Settlement	43,120,979	0	43,120,979	100.00	0	0	0	0.00	#N/A	0.0000	#N/A	#N/A
2 Hedging Support Costs	0	0	0	0.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
3 Coal Car Investment	0	0	0	0.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
4 Other Generation	2,873,948	2,968,865	(94,917)	(3.20)	80,571,000	81,428,000	(857,000)	(1.05)	3.5670	3.6460	(0.0790)	(2.17)
5 Adjustments to Fuel Cost ***	(105,234)	0	(105,234)	(100.00)	0	0				0.0000		
6 TOTAL COST OF GENERATED POWER	330,357,916	280,069,719	50,288,197	17.96	8,291,757,000	7,527,320,000	764,437,000	10.16	3.9842	3.7207	0.2635	7.08
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)	161,710,772	209,724,000	(48,013,228)	(22.89)	7,265,922,747	6,100,957,000	1,164,965,747	19.09	2.2256	3.4376	(1.2120)	(35.26)
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	3,104,224	0	3,104,224	100.00	106,426,000	0	106,426,000	100.00	2.9168	0.0000	2.9168	100.00
13 TOTAL COST OF PURCHASED POWER	164,814,996	209,724,000	(44,909,004)	(21.41)	7,372,348,747	6,100,957,000	1,271,391,747	20.84	2.2356	3.4376	(1.2020)	(34.97)
14 Total Available kWh (Line 6 + Line 13)	495,172,912	489,793,719	5,379,193	1.10	15,664,105,747	13,628,277,000	2,035,828,747	14.94	3.1612	3.5940	(0.4328)	(12.04)
15 Fuel Cost of Economy Sales	(3,170,367)	(3,596,000)	425,633	(11.84)	(133,757,360)	(112,658,000)	(21,099,360)	18.73	2.3702	3.1920	(0.8218)	(25.75)
16 Gain on Economy Sales	(731,139)	(394,000)	(337,139)	85.57	0	0						
17 Fuel Cost of Other Power Sales	(60,249,947)	(43,976,000)	(16,273,947)	37.01	(3,402,224,931)	(1,391,053,000)	(2,011,171,931)	144.58	1.7709	3.1613	(1.3904)	(43.98)
18 TOTAL FUEL COST AND GAINS ON POWER SALES	(64,151,453)	(47,966,000)	(16,185,453)	33.74	(3,535,982,291)	(1,503,711,000)	(2,032,271,291)	135.15	1.8142	3.1898	(1.3756)	(43.12)
19 (LINES 15+16+17)												
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 14+18+20)	431,021,459	441,827,719	(10,806,260)	(2.45)	12,128,123,456	12,124,566,000	3,557,456	0.03	3.5539	3.6441	(0.0902)	(2.48)
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 *	771,839	767,411	4,428	0.58	21,718,092	21,059,000	659,092	3.13	3.5539	3.6441	(0.0902)	(2.48)
24 T & D Losses *	21,518,788	25,025,930	(3,507,142)	(14.01)	605,497,844	686,752,000	(81,254,156)	(11.83)	3.5539	3.6441	(0.0902)	(2.48)
25 TERRITORIAL (SYSTEM) SALES	431,021,459	441,827,719	(10,806,260)	(2.45)	12,128,123,456	12,124,566,000	3,557,456	0.03	3.5539	3.6441	(0.0902)	(2.48)
26 Wholesale Sales	11,496,871	14,049,252	(2,552,381)	(18.17)	323,500,068	323,500,068	0	0.00	3.5539	4.3429	(0.7890)	(18.17)
27 Jurisdictional Sales	419,524,588	428,122,772	(8,598,184)	(2.01)	11,804,623,388	11,046,052,921	758,570,467	6.87	3.5539	3.8758	(0.3219)	(8.31)
28 Jurisdictional Loss Multiplier	1.0015	1.0015										
29 Jurisdictional Sales Adj. for Line Losses (Line 27 x 1.0015)	419,529,851	428,764,956	(9,235,105)	(2.15)	11,177,407,452	11,062,622,000	114,785,452	1.04	3.7533	3.8758	(0.1225)	(3.16)
30 TRUE-UP **	47,956,495	47,956,495	0	0.00	11,177,407,452	11,062,622,000	114,785,452	1.04	0.4290	0.4335	(0.0045)	(1.04)
31 TOTAL JURISDICTIONAL FUEL COST	467,486,346	476,721,451	(9,235,105)	(1.94)	11,177,407,452	11,062,622,000	114,785,452	1.04	4.1823	4.3093	(0.1270)	(2.95)
32 Revenue Tax Factor									1.00072	1.00072		
33 Fuel Factor Adjusted for Revenue Taxes									4.1853	4.3124	(0.1271)	(2.95)
34 GPIF Reward / (Penalty) **	2,523,938	2,523,938	0	0.00	11,177,407,452	11,062,622,000	114,785,452	1.04	0.0226	0.0228	(0.0002)	0.88
35 Fuel Factor Adjusted for GPIF Reward / (Penalty)									4.2079	4.3352	(0.1273)	(2.94)
36 **FUEL FACTOR ROUNDED TO NEAREST .001(¢/kWh)**									4.208	4.335	(0.1270)	(2.93)

* 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 2016 - DECEMBER 2016

1. TOTAL AMOUNT OF ADJUSTMENTS:		
A. Generating Performance Incentive Reward/(Penalty)	$	2,648,312
B. True-up (Over)/Under Recovered	$	(19,370,087)
2. Jurisdictional kWh sales For the period: January 2016 - December 2016		11,033,990,000
3. ADJUSTMENT FACTORS:		
A. Generating Performance Incentive Factor		0.0240
B. True-up Factor		(0.1755)

SCHEDULE E-1D

DETERMINATION OF FUEL RECOVERY FACTOR
TIME OF USE RATE SCHEDULES
GULF POWER COMPANY
PROPOSED FOR THE PERIOD: JANUARY 2016 - DECEMBER 2016

	NET ENERGY FOR LOAD %
On-Peak	29.18
Off-Peak	70.82
	100.00

	AVERAGE	ON-PEAK	OFF-PEAK
Cost per kWh Sold	3.7930	4.6015	3.4598
Jurisdictional Loss Factor	1.0015	1.0015	1.0015
Jurisdictional Fuel Factor	3.7987	4.6084	3.4650
GPIF	0.0240	0.0240	0.0240
True-Up	-0.1755	-0.1755	-0.1755
TOTAL	3.6472	4.4569	3.3135
Revenue Tax Factor	1.00072	1.00072	1.00072
Recovery Factor	3.6498	4.4601	3.3159
Recovery Factor Rounded to the Nearest .001 ¢/kWh	3.650	4.460	3.316

HOURS:		
	ON-PEAK	25.01%
	OFF-PEAK	74.99%
		100.00%

SCHEDULE E-1E

FUEL RECOVERY FACTORS - BY RATE GROUP
(ADJUSTED FOR LINE/TRANSFORMATION LOSSES)
GULF POWER COMPANY
PROPOSED FOR THE PERIOD: JANUARY 2016 - DECEMBER 2016

Group	Rate Schedules	Average Factor	Fuel Recovery Loss Multipliers	Standard Fuel Recovery Factor
A	RS, RSVP, RSTOU, GS, GSD, GSDT, GSTOU, OSIII, SBS (1)	3.650	1.00773	3.678
B	LP, LPT, SBS (2)	3.650	0.98353	3.590
C	PX, PXT, RTP, SBS (3)	3.650	0.96591	3.526
D	OS-I/II	3.650	1.00777	3.631 *

Group		TOU
A	On-Peak	4.494
	Off-Peak	3.342
B	On-Peak	4.387
	Off-Peak	3.261
C	On-Peak	4.308
	Off-Peak	3.203
D	On-Peak	N/A
	Off-Peak	N/A

Group D Calculation

* D	On-Peak	4.460	¢ / kWh	x	0.2501	=	1.116	¢ / kWh
	Off-Peak	3.316	¢ / kWh	x	0.7499	=	2.487	¢ / kWh
							3.603	¢ / kWh
		Line Loss Multiplier				x	1.00777	
							3.631	¢ / 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

SCHEDULE E-2

FUEL AND PURCHASED POWER COST RECOVERY CLAUSE CALCULATION
GULF POWER COMPANY
TO BE INCLUDED IN THE PERIOD: JANUARY 2016 - DECEMBER 2016

LINE	LINE DESCRIPTION	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	$													
1	Fuel Cost of System Generation	24,633,225	23,340,867	19,779,856	21,310,790	25,642,216	32,800,994	34,860,711	34,775,416	24,735,292	8,894,328	15,645,034	19,979,168	286,397,897
1a	Other Generation	200,257.00	187,374.00	200,257.00	193,815.00	300,106.00	290,443.00	300,106.00	300,106.00	290,443.00	200,257.00	193,815.00	200,257.00	2,857,236
2	Fuel Cost of Power Sold	(9,626,000)	(9,898,000)	(10,313,000)	(3,111,000)	(6,242,000)	(8,579,000)	(11,651,000)	(11,568,000)	(5,539,000)	(569,000)	(1,848,000)	(7,945,000)	(86,889,000)
3	Fuel Cost of Purchased Power	20,013,000	18,121,000	19,401,000	11,976,000	18,392,000	18,079,000	19,831,000	20,017,000	19,960,000	24,671,000	13,219,000	19,714,000	223,394,000
3a	Demand & Non-Fuel Cost of Pur Power	0	0	0	0	0	0	0	0	0	0	0	0	0
3b	Qualifying Facilities	581,000	544,000	581,000	386,000	398,000	386,000	392,000	392,000	379,000	457,000	391,000	404,000	5,291,000
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)	35,801,482	32,295,241	29,649,113	30,755,605	38,490,322	42,977,437	43,732,817	43,916,522	39,825,735	33,653,585	27,600,849	32,352,425	431,051,133
7	System kWh Sold	897,465,000	792,906,000	775,948,000	784,415,000	978,285,000	1,121,407,000	1,212,648,000	1,203,081,000	1,063,894,000	881,526,000	777,578,000	875,350,000	11,364,503,000
7a	Jurisdictional % of Total Sales	96.8244	96.9459	97.0225	97.1143	97.1675	97.2397	97.2440	97.1993	97.2249	97.1245	96.9698	96.8192	97.0917
8	Cost per kWh Sold (¢/kWh)	3.9892	4.0730	3.8210	3.9208	3.9345	3.8325	3.6064	3.6503	3.7434	3.8177	3.5496	3.6959	3.7930
8a	Jurisdictional Loss Multiplier	1.0015	1.0015	1.0015	1.0015	1.0015	1.0015	1.0015	1.0015	1.0015	1.0015	1.0015	1.0015	1.0015
8b	Jurisdictional Cost (¢/kWh)	3.9952	4.0791	3.8267	3.9267	3.9404	3.8382	3.6118	3.6558	3.7490	3.8234	3.5549	3.7014	3.7987
9	GPIF (¢/kWh) *	0.0254	0.0287	0.0293	0.0290	0.0232	0.0202	0.0187	0.0189	0.0213	0.0258	0.0293	0.0260	0.0240
10	True-Up (¢/kWh) *	(0.1858)	(0.2100)	(0.2144)	(0.2119)	(0.1698)	(0.1480)	(0.1369)	(0.1380)	(0.1561)	(0.1885)	(0.2141)	(0.1905)	(0.1755)
11	TOTAL	3.8348	3.8978	3.6416	3.7438	3.7938	3.7104	3.4936	3.5367	3.6142	3.6607	3.3701	3.5369	3.6472
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	3.8376	3.9006	3.6442	3.7465	3.7965	3.7131	3.4961	3.5392	3.6168	3.6633	3.3725	3.5394	3.6498
14	**Recovery Factor Rounded to the Nearest .001 ¢/kWh**	3.838	3.901	3.644	3.747	3.797	3.713	3.496	3.539	3.617	3.663	3.373	3.539	3.650

* Calculations Based on Jurisdictional kWh Sales

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
GULF POWER COMPANY
TO BE INCLUDED IN THE PERIOD: JANUARY 2016 - DECEMBER 2016

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FUEL COST - NET GEN. ($)													
1 LIGHTER OIL (B.L.)	83,832	84,066	62,526	49,713	49,808	62,655	62,615	62,566	62,511	56,752	62,420	62,354	761,818
2 COAL	14,767,867	12,560,909	8,341,571	9,656,827	15,706,891	20,751,584	22,214,679	22,357,089	16,411,041	4,543,641	4,877,915	8,449,524	160,639,538
3 GAS - Generation	9,603,838	10,509,713	11,199,361	11,457,747	9,843,160	11,905,362	12,508,944	12,281,110	8,179,613	4,134,831	10,523,986	11,287,362	123,435,027
4 GAS (B.L.)	313,706	313,444	312,416	278,190	278,224	309,708	310,340	310,518	310,442	295,122	312,430	315,946	3,660,486
5 LANDFILL GAS	64,239	60,109	64,239	62,128	64,239	62,128	64,239	64,239	62,128	64,239	62,098	64,239	758,264
6 OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
7 TOTAL ($)	24,833,482	23,528,241	19,980,113	21,504,605	25,942,322	33,091,437	35,160,817	35,075,522	25,025,735	9,094,585	15,838,849	20,179,425	289,255,133
SYSTEM NET GEN. (MWh)													
8 LIGHTER OIL (B.L.)	0	0	0	0	0	0	0	0	0	0	0	0	0
9 COAL	377,679	318,801	224,989	265,050	447,190	604,191	671,438	677,144	499,192	131,089	140,034	240,707	4,597,504
10 GAS	304,946	342,304	374,700	340,862	259,281	345,675	366,916	360,269	182,405	12,559	348,385	367,845	3,606,147
11 LANDFILL GAS	2,100	1,965	2,100	2,031	2,100	2,031	2,100	2,100	2,031	2,100	2,030	2,100	24,788
12 OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
13 TOTAL (MWH)	684,725	663,070	601,789	607,943	708,571	951,897	1,040,454	1,039,513	683,628	145,748	490,449	610,652	8,228,439
UNITS OF FUEL BURNED													
14 LIGHTER OIL (BBL)	940	939	691	567	567	692	692	692	692	635	692	692	8,491
15 COAL (TON)	176,294	148,477	105,522	126,295	209,617	284,096	310,695	316,605	233,490	66,983	67,451	110,930	2,156,455
16 GAS-all (MCF) (1)	2,034,398	2,286,105	2,498,650	2,267,010	1,698,649	2,293,606	2,456,348	2,387,358	1,195,182	58,383	2,328,806	2,456,141	23,960,636
17 OIL - C.T. (BBL)	0	0	0	0	0	0	0	0	0	0	0	0	0
BTUS BURNED (MMBtu)													
18 COAL + GAS B.L. + OIL B.L.	4,042,291	3,440,482	2,431,616	2,869,789	4,767,174	6,466,689	7,030,785	7,137,810	5,242,444	1,461,694	1,523,560	2,565,441	48,979,775
19 GAS-Generation (1)	2,055,086	2,311,827	2,528,623	2,302,350	1,722,622	2,319,478	2,485,475	2,415,105	1,199,085	44,551	2,355,382	2,485,264	24,224,848
20 OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL (MMBtu) (1)	6,097,377	5,752,309	4,960,239	5,172,139	6,489,796	8,786,167	9,516,260	9,552,915	6,441,529	1,506,245	3,878,942	5,050,705	73,204,623

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

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GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
GULF POWER COMPANY
TO BE INCLUDED IN THE PERIOD: JANUARY 2016 - DECEMBER 2016

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
GENERATION MIX (% MWh)													
22 LIGHTER OIL (B.L.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 COAL	55.15	48.08	37.39	43.60	63.11	63.48	64.54	65.14	73.02	89.93	28.55	39.42	55.87
24 GAS-Generation	44.54	51.62	62.26	56.07	36.59	36.31	35.26	34.66	26.68	8.63	71.04	60.24	43.83
25 LANDFILL GAS	0.31	0.30	0.35	0.33	0.30	0.21	0.20	0.20	0.30	1.44	0.41	0.34	0.30
26 OIL - C.T.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27 TOTAL (% MWH)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
FUEL COST ($ / Unit)													
28 LIGHTER OIL ($/BBL)	89.18	89.53	90.49	87.68	87.84	90.54	90.48	90.41	90.33	89.37	90.20	90.11	89.72
29 COAL ($/TON)	83.77	84.60	79.05	76.46	74.93	73.04	71.50	70.62	70.29	67.83	72.32	76.17	74.49
30 GAS + B.L. ($/MCF) (1)	4.78	4.65	4.53	5.09	5.78	5.20	5.10	5.15	6.86	72.45	4.57	4.64	5.19
31 OIL - C.T.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL COST ($ / MMBtu)													
32 COAL + GAS B.L. + OIL B.L.	3.75	3.77	3.58	3.48	3.36	3.27	3.21	3.18	3.20	3.35	3.45	3.44	3.37
33 GAS-Generation (1)	4.58	4.47	4.35	4.89	5.54	5.01	4.91	4.96	6.58	88.32	4.39	4.46	4.98
34 OIL - C.T.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35 TOTAL ($/MMBtu) (1)	4.03	4.05	3.97	4.11	3.94	3.73	3.66	3.63	3.83	5.86	4.02	3.94	3.90
BTU BURNED (Btu / kWh)													
36 COAL + GAS B.L. + OIL B.L.	10,703	10,792	10,808	10,827	10,660	10,703	10,471	10,541	10,502	11,150	10,880	10,658	10,654
37 GAS-Generation (1)	6,868	6,861	6,853	6,866	6,871	6,875	6,936	6,867	6,887	6,514	6,870	6,863	6,873
38 OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
39 TOTAL (Btu/kWh) (1)	9,008	8,772	8,351	8,615	9,299	9,331	9,241	9,285	9,567	10,921	8,033	8,378	9,013
FUEL COST (Cents / kWh)													
40 COAL + GAS B.L. + OIL B.L.	4.02	4.06	3.87	3.77	3.59	3.50	3.36	3.36	3.36	3.73	3.75	3.67	3.59
41 GAS-Generation	3.15	3.07	2.99	3.36	3.80	3.44	3.41	3.41	4.48	32.92	3.02	3.07	3.42
42 LANDFILL GAS	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06
43 OIL - C.T.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44 TOTAL (¢/kWh)	3.63	3.55	3.32	3.54	3.66	3.48	3.38	3.37	3.66	6.24	3.23	3.30	3.52

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROJECTED FOR THE MONTH OF: JANUARY 2016

Line	Plant/Unit	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Type	Fuel Burned (Units) (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit ($/Unit)
1	Crist 4	75	6,250	11.2	74.2	57.5	12,137	Coal	3,266	11,615	75,858	283,379	4.53	86.77
								Gas - G						
2	Crist 5	75	6,325	11.3	99.3	50.5	11,662	Coal	3,175	11,615	73,760	275,542	4.36	86.78
								Gas - G						
3	Crist 6	299	59,084	26.6	98.8	65.9	11,217	Coal	28,531	11,615	662,742	2,475,775	4.19	86.77
								Gas - G						
4	Crist 7	475	177,055	50.1	98.9	66.4	10,293	Coal	78,455	11,615	1,822,435	6,807,988	3.85	86.78
								Gas - G						
5	Smith 1	162	55,800	46.3	100.0	46.3	10,903	Coal	25,942	11,726	608,392	2,542,954	4.56	98.02
6	Smith 2	195	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
7	Smith 3	584	299,226	68.9	83.3	82.6	6,868	Gas	2,014,790	1,020	2,055,086	9,403,581	3.14	4.67
8	Smith A (CT)	40	0	0.0	100	0.0	N/A	Oil	0	0	0	0	N/A	N/A
9	Daniel 1 (1)	255	40,954	21.6	98.9	24.1	10,662	Coal	20,842	10,475	436,646	1,344,607	3.28	64.51
10	Daniel 2 (1)	255	32,211	17.0	86.4	27.0	10,461	Coal	16,083	10,475	336,956	1,037,622	3.22	64.52
11	Perdido		2,100					Landfill Gas				64,239	3.06	N/A
12	Other Generation		5,720					Gas				200,257	3.50	N/A
13	Gas,BL							Gas	19,608	1,020	20,000	313,706	N/A	16.00
14	Ltr. Oil							Oil	940	139,400	5,502	83,832	N/A	89.18
15		2,415	684,725	38.1	85.1	53.1	9,008				6,097,377	24,833,482	3.63	

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROJECTED FOR THE MONTH OF: FEBRUARY 2016

Line	Plant/Unit	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Type	Fuel Burned (Units) (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit ($/Unit)
1	Crist 4	75	4,255	8.2	89.7	56.2	11,632	Coal	2,126	11,639	49,494	178,891	4.20	84.14
								Gas - G						
2	Crist 5	75	5,004	9.6	78.7	50.5	11,698	Coal	2,515	11,639	58,537	211,576	4.23	84.13
								Gas - G						
3	Crist 6	299	59,614	28.6	98.7	65.8	10,999	Coal	28,168	11,639	655,695	2,369,943	3.98	84.14
								Gas - G						
4	Crist 7	475	158,238	47.9	98.9	61.8	10,507	Coal	71,425	11,639	1,662,604	6,009,313	3.80	84.13
								Gas - G						
5	Smith 1	162	52,200	46.3	100.0	43.3	10,909	Coal	24,281	11,726	569,436	2,501,882	4.79	103.04
6	Smith 2	195	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
7	Smith 3	584	336,952	82.9	99.3	84.4	6,861	Gas	2,266,497	1,020	2,311,827	10,322,339	3.06	4.55
8	Smith A (CT)	40	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
9	Daniel 1 (1)	255	18,069	10.2	99.4	19.9	10,873	Coal	9,355	10,500	196,462	604,224	3.34	64.59
10	Daniel 2 (1)	255	21,421	12.1	71.8	22.7	10,399	Coal	10,607	10,500	222,752	685,080	3.20	64.59
11	Perdido		1,965					Landfill Gas				60,109	3.06	N/A
12	Other Generation		5,352					Gas				187,374	3.50	N/A
13	Gas,BL							Gas	19,608	1,020	20,000	313,444	N/A	15.99
14	Ltr. Oil							Oil	939	139,400	5,502	84,066	N/A	89.53
15		2,415	663,070	39.4	87.4	51.4	8,772				5,752,309	23,528,241	3.55	

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROJECTED FOR THE MONTH OF: MARCH 2016

Line	Plant/Unit	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Type	Fuel Burned (Units) (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit ($/Unit)
1	Crist 4	75	5,904	10.6	100.0	55.1	11,738	Coal	2,973	11,654	69,301	246,926	4.18	83.06
								Gas - G						
2	Crist 5	75	1,970	3.5	80.5	41.0	11,777	Coal	995	11,654	23,200	82,664	4.20	83.08
								Gas - G						
3	Crist 6	299	20,815	9.4	99.6	57.1	11,076	Coal	9,891	11,654	230,547	821,461	3.95	83.05
								Gas - G						
4	Crist 7	475	153,383	43.4	79.7	66.2	10,444	Coal	68,729	11,654	1,601,939	5,707,859	3.72	83.05
								Gas - G						
5	Smith 1	162	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
6	Smith 2	195	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
7	Smith 3	557	368,980	89.0	99.3	90.8	6,853	Gas	2,479,042	1,020	2,528,623	10,999,104	2.98	4.44
8	Smith A (CT)	36	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
9	Daniel 1 (1)	255	13,707	7.2	99.5	17.5	11,052	Coal	7,199	10,521	151,484	465,415	3.40	64.65
10	Daniel 2 (1)	255	29,210	15.4	99.1	18.7	11,335	Coal	15,735	10,521	331,095	1,017,246	3.48	64.65
11	Perdido		2,100					Landfill Gas				64,239	3.06	N/A
12	Other Generation		5,720					Gas				200,257	3.50	N/A
13	Gas,BL							Gas	19,608	1,020	20,000	312,416	N/A	15.93
14	Ltr. Oil							Oil	691	139,400	4,050	62,526	N/A	90.49
15		2,384	601,789	33.9	80.0	48.4	8,351				4,960,239	19,980,113	3.32	

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROJECTED FOR THE MONTH OF: APRIL 2016

Line	Plant/Unit	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Type	Fuel Burned (Units) (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit ($/Unit)
1	Crist 4	75	0	0.0	100.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
								Gas - G						
2	Crist 5	75	0	0.0	93.3	0.0	N/A	Coal	0	0	0	0	N/A	N/A
								Gas - G						
3	Crist 6	299	16,655	7.7	66.3	59.3	11,386	Coal	8,128	11,666	189,634	667,494	4.01	82.12
								Gas - G						
4	Crist 7	475	168,432	49.2	84.9	69.0	10,612	Coal	76,607	11,666	1,787,404	6,291,496	3.74	82.13
								Gas - G						
5	Smith 1	162	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
6	Smith 2	195	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
7	Smith 3	557	335,326	83.6	96.1	86.9	6,866	Gas	2,257,206	1,020	2,302,350	11,263,932	3.36	4.99
8	Smith A (CT)	36	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
9	Daniel 1 (1)	255	27,485	15.0	99.2	19.6	10,893	Coal	14,149	10,580	299,390	918,443	3.34	64.91
10	Daniel 2 (1)	255	52,478	28.6	98.3	20.7	11,053	Coal	27,411	10,580	580,039	1,779,394	3.39	64.92
11	Perdido		2,031					Landfill Gas				62,128	3.06	N/A
12	Other Generation		5,536					Gas				193,815	3.50	N/A
13	Gas,BL							Gas	9,804	1,020	10,000	278,190	N/A	28.38
14	Ltr. Oil							Oil	567	139,400	3,322	49,713	N/A	87.68
15		2,384	607,943	35.4	76.4	45.8	8,615				5,172,139	21,504,605	3.54	

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROJECTED FOR THE MONTH OF: MAY 2016

Line	Plant/Unit	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Type	Fuel Burned (Units) (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit ($/Unit)
1	Crist 4	75	0	0.0	100.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
								Gas - G						
2	Crist 5	75	0	0.0	100.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
								Gas - G						
3	Crist 6	299	71,181	32.0	98.5	66.0	10,647	Coal	32,445	11,679	757,864	2,583,280	3.63	79.62
								Gas - G						
4	Crist 7	475	246,938	69.9	98.7	74.5	10,339	Coal	109,300	11,679	2,553,096	8,702,568	3.52	79.62
								Gas - G						
5	Smith 1	162	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
6	Smith 2	195	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
7	Smith 3	581	250,709	58.0	70.6	82.1	6,871	Gas	1,688,845	1,020	1,722,622	9,543,054	3.81	5.65
8	Smith A (CT)	36	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
9	Daniel 1 (1)	255	71,381	37.6	97.3	21.2	11,226	Coal	37,693	10,630	801,323	2,455,266	3.44	65.14
10	Daniel 2 (1)	255	57,690	30.4	98.4	22.1	11,121	Coal	30,179	10,630	641,569	1,965,777	3.41	65.14
11	Perdido		2,100					Landfill Gas				64,239	3.06	N/A
12	Other Generation		8,572					Gas				300,106	3.50	N/A
13	Gas,BL							Gas	9,804	1,020	10,000	278,224	N/A	28.38
14	Ltr. Oil							Oil	567	139,400	3,322	49,808	N/A	87.84
15		2,408	708,571	39.5	77.2	47.3	9,299				6,489,796	25,942,322	3.66	

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROJECTED FOR THE MONTH OF: JUNE 2016

Line	Plant/Unit	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Type	Fuel Burned (Units) (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit ($/Unit)
1	Crist 4	75	18,451	34.2	100.0	58.9	11,452	Coal	9,038	11,690	211,302	694,978	3.77	76.90
								Gas - G						
2	Crist 5	75	20,678	38.3	97.9	58.2	11,530	Coal	10,197	11,690	238,417	784,160	3.79	76.90
								Gas - G						
3	Crist 6	299	126,132	58.6	97.2	69.6	10,623	Coal	57,308	11,690	1,339,896	4,406,957	3.49	76.90
								Gas - G						
4	Crist 7	475	255,664	74.8	98.6	77.0	10,611	Coal	116,031	11,690	2,712,848	8,922,636	3.49	76.90
								Gas - G						
5	Smith 1	162	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
6	Smith 2	195	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
7	Smith 3	556	337,379	84.3	99.3	84.9	6,875	Gas	2,273,998	1,020	2,319,478	11,614,919	3.44	5.11
8	Smith A (CT)	32	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
9	Daniel 1 (1)	255	97,810	53.3	97.8	27.2	10,548	Coal	48,667	10,599	1,031,695	3,160,132	3.23	64.93
10	Daniel 2 (1)	255	85,456	46.5	98.1	28.6	10,631	Coal	42,855	10,599	908,481	2,782,721	3.26	64.93
11	Perdido		2,031					Landfill Gas				62,128	3.06	N/A
12	Other Generation		8,296					Gas				290,443	3.50	N/A
13	Gas,BL							Gas	19,608	1,020	20,000	309,708	N/A	15.79
14	Ltr. Oil							Oil	692	139,400	4,050	62,655	N/A	90.54
15		2,379	951,897	55.6	83.7	53.6	9,331				8,786,167	33,091,437	3.48	

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROJECTED FOR THE MONTH OF: JULY 2016

Line	Plant/Unit	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Type	Fuel Burned (Units) (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit ($/Unit)
1	Crist 4	75	25,609	45.9	100.0	68.0	10,314	Coal	11,291	11,697	264,133	850,592	3.32	75.33
								Gas - G						
2	Crist 5	75	17,572	31.5	98.5	65.3	11,147	Coal	8,373	11,697	195,870	630,764	3.59	75.33
								Gas - G						
3	Crist 6	299	143,035	64.3	97.0	73.6	10,361	Coal	63,350	11,697	1,481,984	4,772,459	3.34	75.33
								Gas - G						
4	Crist 7	475	267,628	75.7	98.7	80.7	10,542	Coal	120,602	11,697	2,821,319	9,085,542	3.39	75.33
								Gas - G						
5	Smith 1	162	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
6	Smith 2	195	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
7	Smith 3	556	358,344	86.6	99.3	87.2	6,936	Gas	2,436,740	1,020	2,485,475	12,208,838	3.41	5.01
8	Smith A (CT)	32	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
9	Daniel 1 (1)	255	112,082	59.1	97.7	30.2	10,461	Coal	55,963	10,476	1,172,486	3,593,258	3.21	64.21
10	Daniel 2 (1)	255	105,512	55.6	98.0	32.2	10,150	Coal	51,116	10,476	1,070,943	3,282,064	3.11	64.21
11	Perdido		2,100					Landfill Gas				64,239	3.06	N/A
12	Other Generation		8,572					Gas				300,106	3.50	N/A
13	Gas,BL							Gas	19,608	1,020	20,000	310,340	N/A	15.83
14	Ltr. Oil							Oil	692	139,400	4,050	62,615	N/A	90.48
15		2,379	1,040,454	58.8	83.7	56.6	9,241				9,516,260	35,160,817	3.38	

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROJECTED FOR THE MONTH OF: AUGUST 2016

Line	Plant/Unit	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Type	Fuel Burned (Units) (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit ($/Unit)
1	Crist 4	75	26,680	47.8	100.0	66.9	10,993	Coal	12,533	11,701	293,297	932,796	3.50	74.43
								Gas - G						
2	Crist 5	75	24,795	44.4	98.0	66.7	11,136	Coal	11,799	11,701	276,117	878,157	3.54	74.43
								Gas - G						
3	Crist 6	299	125,560	56.4	97.4	72.9	10,802	Coal	57,958	11,701	1,356,295	4,313,536	3.44	74.43
								Gas - G						
4	Crist 7	475	274,042	77.5	98.7	79.7	10,415	Coal	121,966	11,701	2,854,142	9,077,261	3.31	74.42
								Gas - G						
5	Smith 1	162	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
6	Smith 2	195	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
7	Smith 3	556	351,697	85.0	99.3	87.0	6,867	Gas	2,367,750	1,020	2,415,105	11,981,004	3.41	5.06
8	Smith A (CT)	32	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
9	Daniel 1 (1)	255	112,134	59.1	97.7	30.6	10,451	Coal	56,413	10,387	1,171,910	3,592,862	3.20	63.69
10	Daniel 2 (1)	255	113,933	60.1	97.7	31.2	10,199	Coal	55,936	10,387	1,161,999	3,562,477	3.13	63.69
11	Perdido		2,100					Landfill Gas				64,239	3.06	N/A
12	Other Generation		8,572					Gas				300,106	3.50	N/A
13	Gas,BL							Gas	19,608	1,020	20,000	310,518	N/A	15.84
14	Ltr. Oil							Oil	692	139,400	4,050	62,566	N/A	90.41
15		2,379	1,039,513	58.7	83.7	56.2	9,285				9,552,915	35,075,522	3.37	

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROJECTED FOR THE MONTH OF: SEPTEMBER 2016

Line	Plant/Unit	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Type	Fuel Burned (Units) (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit ($/Unit)
1	Crist 4	75	7,144	13.2	100.0	61.9	11,266	Coal	3,439	11,702	80,482	256,733	3.59	74.65
								Gas - G						
2	Crist 5	75	7,220	13.4	99.3	56.3	10,950	Coal	3,378	11,702	79,061	252,200	3.49	74.66
								Gas - G						
3	Crist 6	299	42,316	19.7	98.6	65.2	10,611	Coal	19,185	11,702	449,019	1,432,342	3.38	74.66
								Gas - G						
4	Crist 7	475	263,918	77.2	98.6	78.3	10,299	Coal	116,134	11,702	2,718,097	8,670,559	3.29	74.66
								Gas - G						
5	Smith 1	162	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
6	Smith 2	195	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
7	Smith 3	556	174,109	43.5	53.1	82.0	6,887	Gas	1,175,574	1,020	1,199,085	7,889,170	4.53	6.71
8	Smith A (CT)	32	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
9	Daniel 1 (1)	255	86,637	47.2	97.8	24.5	10,648	Coal	44,549	10,354	922,508	2,827,994	3.26	63.48
10	Daniel 2 (1)	255	91,957	50.1	97.8	25.9	10,540	Coal	46,805	10,354	969,227	2,971,213	3.23	63.48
11	Perdido		2,031					Landfill Gas				62,128	3.06	N/A
12	Other Generation		8,296					Gas				290,443	3.50	N/A
13	Gas,BL							Gas	19,608	1,020	20,000	310,442	N/A	15.83
14	Ltr. Oil							Oil	692	139,400	4,050	62,511	N/A	90.33
15		2,379	683,628	39.9	73.1	52.1	9,567				6,441,529	25,025,735	3.66	

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

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SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROJECTED FOR THE MONTH OF: OCTOBER 2016

Line	Plant/Unit	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Type	Fuel Burned (Units) (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit ($/Unit)
1	Crist 4	75	5,195	9.3	100.0	56.8	11,585	Coal Gas - G	2,571	11,703	60,185	198,625	3.82	77.26
2	Crist 5	75	4,258	7.6	99.6	47.7	11,276	Coal Gas - G	2,051	11,703	48,013	158,454	3.72	77.26
3	Crist 6	299	37,691	16.9	98.7	62.1	10,652	Coal Gas - G	17,154	11,703	401,485	1,324,994	3.52	77.24
4	Crist 7	475	0	0.0	(0.1)	0.0	N/A	Coal Gas - G	0	0	0	0	N/A	N/A
5	Smith 1	162	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
6	Smith 2	195	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
7	Smith 3	557	6,839	1.6	2.2	75.9	6,514	Gas	43,677	1,020	44,551	3,934,574	57.53	90.08
8	Smith A (CT)	36	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
9	Daniel 1 (1)	255	21,452	11.3	73.5	19.4	11,639	Coal	12,094	10,322	249,683	765,552	3.57	63.30
10	Daniel 2 (1)	255	62,493	32.9	98.3	21.7	10,939	Coal	33,113	10,322	683,611	2,096,016	3.35	63.30
11	Perdido		2,100					Landfill Gas				64,239	3.06	N/A
12	Other Generation		5,720					Gas				200,257	3.50	N/A
13	Gas,BL							Gas	14,706	1,020	15,000	295,122	N/A	20.07
14	Ltr. Oil							Oil	635	139,400	3,717	56,752	N/A	89.37
15		2,384	145,748	8.2	39.0	33.2	10,921				1,506,245	9,094,585	6.24	

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROJECTED FOR THE MONTH OF: NOVEMBER 2016

Line	Plant/Unit	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Type	Fuel Burned (Units) (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit ($/Unit)
1	Crist 4	75	2,004	3.7	100.0	54.5	12,464	Coal	1,067	11,703	24,978	84,388	4.21	79.09
								Gas - G						
2	Crist 5	75	2,009	3.7	99.9	38.3	10,864	Coal	932	11,703	21,826	73,739	3.67	79.12
								Gas - G						
3	Crist 6	299	56,175	26.1	98.1	65.5	10,637	Coal	25,529	11,703	597,533	2,018,753	3.59	79.08
								Gas - G						
4	Crist 7	475	24,291	7.1	33.4	62.4	10,465	Coal	10,861	11,703	254,210	858,843	3.54	79.08
								Gas - G						
5	Smith 1	162	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
6	Smith 2	195	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
7	Smith 3	557	342,849	85.4	99.3	85.9	6,870	Gas	2,309,198	1,020	2,355,382	10,330,171	3.01	4.47
8	Smith A (CT)	36	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
9	Daniel 1 (1)	255	12,847	7.0	73.0	18.1	10,982	Coal	6,823	10,339	141,084	432,479	3.37	63.39
10	Daniel 2 (1)	255	42,708	23.3	98.6	19.6	10,768	Coal	22,239	10,339	459,879	1,409,713	3.30	63.39
11	Perdido		2,030					Landfill Gas				62,098	3.06	N/A
12	Other Generation		5,536					Gas				193,815	3.50	N/A
13	Gas,BL							Gas	19,608	1,020	20,000	312,430	N/A	15.93
14	Ltr. Oil							Oil	692	139,400	4,050	62,420	N/A	90.20
15		2,384	490,449	28.6	68.3	47.7	8,033				3,878,942	15,838,849	3.23	

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROJECTED FOR THE MONTH OF: DECEMBER 2016

Line	Plant/Unit	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Type	Fuel Burned (Units) (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit ($/Unit)
1	Crist 4	75	4,167	7.5	100.0	55.6	11,670	Coal	2,077	11,704	48,629	164,213	3.94	79.06
								Gas - G						
2	Crist 5	75	4,189	7.5	99.6	46.5	11,706	Coal	2,095	11,704	49,038	165,594	3.95	79.04
								Gas - G						
3	Crist 6	299	33,503	15.1	99.3	61.6	10,642	Coal	15,232	11,704	356,539	1,203,980	3.59	79.04
								Gas - G						
4	Crist 7	475	159,436	45.1	99.1	66.6	10,433	Coal	71,061	11,704	1,663,391	5,617,026	3.52	79.05
								Gas - G						
5	Smith 1	162	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
6	Smith 2	195	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
7	Smith 3	584	362,125	83.3	99.3	83.9	6,863	Gas	2,436,533	1,020	2,485,264	11,087,105	3.06	4.55
8	Smith A (CT)	40	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
9	Daniel 1 (1)	255	14,539	7.7	83.5	23.8	10,677	Coal	7,496	10,354	155,236	475,719	3.27	63.46
10	Daniel 2 (1)	255	24,873	13.1	99.3	23.0	10,797	Coal	12,969	10,354	268,558	822,992	3.31	63.46
11	Perdido		2,100					Landfill Gas				64,239	3.06	N/A
12	Other Generation		5,720					Gas				200,257	3.50	N/A
13	Gas,BL							Gas	19,608	1,020	20,000	315,946	N/A	16.11
14	Ltr. Oil							Oil	692	139,400	4,050	62,354	N/A	90.11
15		2,415	610,652	34.0	83.0	49.1	8,378				5,050,705	20,179,425	3.30	

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

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SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROJECTED FOR THE PERIOD OF: JANUARY 2016 - DECEMBER 2016

Line	Plant/Unit	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Type	Fuel Burned (Units) (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit ($/Unit)
1	Crist 4	75	105,659	16.0	97.0	62.2	11,146	Coal	50,381	11,688	1,177,659	3,891,521	3.68	77.24
								Gas - G	0	0	0	0		
2	Crist 5	75	94,020	14.3	95.5	62.1	11,315	Coal	45,510	11,688	1,063,839	3,512,850	3.74	77.19
								Gas - G	0	0	0	0		
3	Crist 6	299	791,761	30.1	95.9	70.7	10,709	Coal	362,879	11,683	8,479,233	28,390,974	3.59	78.24
								Gas - G	0	0	0	0		
4	Crist 7	475	2,149,025	51.5	82.3	72.9	10,447	Coal	961,171	11,679	22,451,485	75,751,091	3.52	78.81
								Gas - G	0.00	0.00	0.00	0.00		
5	Smith 1	162	108,000	7.6	0.0	0.0	10,906	Coal	50,223	11,726	1,177,828	5,044,836	4.67	100.45
6	Smith 2	195	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
7	Smith 3	566	3,524,535	70.9	83.2	85.8	6,873	Gas - G	23,749,850	1,020	24,224,848	120,577,791	3.42	5.08
8	Smith A (CT)	36	0	0.0	100.0	0.0	N/A	Oil - G	0	0	0	0	N/A	N/A
9	Daniel 1 (1)	255	629,097	28.1	93.0	25.1	10,698	Coal	321,243	10,475	6,729,907	20,635,951	3.28	64.24
10	Daniel 2 (1)	255	719,942	32.1	95.2	25.3	10,605	Coal	365,048	10,458	7,635,109	23,412,315	3.25	64.13
11	Perdido		24,788					Landfill Gas				758,264	3.06	N/A
12	Other Generation		81,612					Gas				2,857,236	3.50	N/A
13	Gas,BL							Gas	210,786	1,020	215,000	3,660,486	N/A	17.37
14	Ltr. Oil							Oil	8,491	139,405	49,715	761,818	N/A	89.72
15		2,392	8,228,439	39.2	75.6	52.8	9,013				73,204,623	289,255,133	3.52	

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

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2016 Projection Filing
Exhibit CSB-3, Page 24 of 41

SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS
GULF POWER COMPANY
TO BE INCLUDED IN THE PERIOD: JANUARY 2016 - DECEMBER 2016

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	LIGHT OIL													
1	*PURCHASES :*													
2	UNITS (BBL)	940	939	691	567	567	692	692	692	692	635	692	692	8,491
3	UNIT COST ($/BBL)	87.43	87.53	87.24	87.12	87.12	87.11	87.11	87.11	87.11	87.09	87.11	87.11	87.20
4	AMOUNT ($)	82,187	82,187	60,282	49,399	49,399	60,282	60,282	60,282	60,282	55,302	60,282	60,282	740,448
5	*BURNED :*													
6	UNITS (BBL)	940	939	691	567	567	692	692	692	692	635	692	692	8,491
7	UNIT COST ($/BBL)	89.18	89.53	90.49	87.68	87.84	90.54	90.48	90.41	90.33	89.37	90.20	90.11	89.72
8	AMOUNT ($)	83,832	84,066	62,526	49,713	49,808	62,655	62,615	62,566	62,511	56,752	62,420	62,354	761,818
9	*ENDING INVENTORY :*													
10	UNITS (BBL)	7,166	7,166	7,166	7,166	7,166	7,166	7,166	7,166	7,166	7,166	7,166	7,166	
11	UNIT COST ($/BBL)	97.28	97.02	96.71	96.67	96.61	96.28	95.95	95.63	95.32	95.12	94.82	94.53	
12	AMOUNT ($)	697,139	695,260	693,016	692,702	692,293	689,920	687,587	685,303	683,074	681,624	679,486	677,414	
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													
14	*PURCHASES :*													
15	UNITS (TONS)	96,118	142,134	120,489	134,834	191,843	256,174	306,417	307,057	238,186	73,176	70,190	122,265	2,058,883
16	UNIT COST ($/TON)	79.55	74.58	75.82	74.33	72.44	70.66	69.55	69.57	70.23	76.98	79.77	75.06	72.47
17	AMOUNT ($)	7,646,270	10,600,427	9,135,562	10,022,843	13,896,197	18,101,187	21,311,567	21,361,364	16,727,827	5,633,315	5,599,086	9,177,435	149,213,080
18	*BURNED :*													
19	UNITS (TONS)	176,294	148,477	105,522	126,295	209,617	284,096	310,695	316,605	233,490	66,983	67,451	110,930	2,156,455
20	UNIT COST ($/TON)	83.77	84.60	79.05	76.46	74.93	73.04	71.50	70.62	70.29	67.83	72.32	76.17	74.49
21	AMOUNT ($)	14,767,867	12,560,909	8,341,571	9,656,827	15,706,891	20,751,584	22,214,679	22,357,089	16,411,041	4,543,641	4,877,915	8,449,524	160,639,538
22	*ENDING INVENTORY :*													
23	UNITS (TONS)	563,290	556,947	571,914	580,453	562,679	534,757	530,479	520,931	525,627	531,820	534,559	545,894	
24	UNIT COST ($/TON)	77.08	74.44	73.88	73.42	72.52	71.35	70.22	69.60	69.58	70.82	71.81	71.65	
25	AMOUNT ($)	43,416,963	41,456,481	42,250,472	42,616,488	40,805,794	38,155,397	37,252,285	36,256,560	36,573,346	37,663,020	38,384,191	39,112,102	
26	DAYS SUPPLY:	32	32	32	33	32	30	30	30	30	30	30	31	

(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
TO BE INCLUDED IN THE PERIOD: JANUARY 2016 - DECEMBER 2016

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	GAS (1)													
27	*BURNED :*													
28	UNITS (MMBtu)	2,075,086	2,331,827	2,548,623	2,312,350	1,732,622	2,339,478	2,505,475	2,435,105	1,219,085	59,551	2,375,382	2,505,264	24,439,848
29	UNIT COST ($/MMBtu)	4.68	4.56	4.44	4.99	5.67	5.10	5.00	5.05	6.73	71.03	4.48	4.55	5.08
30	AMOUNT ($)	9,717,287	10,635,783	11,311,520	11,542,122	9,821,278	11,924,627	12,519,178	12,291,522	8,199,612	4,229,696	10,642,601	11,403,051	124,238,277
	OTHER - C.T. OIL													
31	*PURCHASES :*													
32	UNITS (BBL)	0	0	0	0	0	0	0	0	0	0	0	0	0
33	UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	AMOUNT ($)	0	0	0	0	0	0	0	0	0	0	0	0	0
35	*BURNED :*													
36	UNITS (BBL)	0	0	0	0	0	0	0	0	0	0	0	0	0
37	UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	AMOUNT ($)	0	0	0	0	0	0	0	0	0	0	0	0	0
39	*ENDING INVENTORY :*													
40	UNITS (BBL)	7,143	7,143	7,143	7,143	7,143	7,143	7,143	7,143	7,143	7,143	7,143	7,143	
41	UNIT COST ($/BBL)	107.40	107.40	107.40	107.40	107.40	107.40	107.40	107.40	107.40	107.40	107.40	107.40	
42	AMOUNT ($)	767,181	767,181	767,181	767,181	767,181	767,181	767,181	767,181	767,181	767,181	767,181	767,181	
43	DAYS SUPPLY:	3	3	3	3	3	3	3	3	3	3	3	3	

(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
TO BE INCLUDED IN THE PERIOD: JANUARY 2016 - DECEMBER 2016

LINE	MONTH	TYPE & SCHEDULE	TOTAL KWH SOLD	KWH WHEELED FROM OTHER SYSTEMS	KWH FROM OWN GENERATION	¢ / kWh FUEL COST	¢ / kWh TOTAL COST	TOTAL $ FOR FUEL ADJUSTMENT	TOTAL COST $
	JANUARY								
1		Southern Co. Interchange	390,533,000	0	390,533,000	2.40	2.80	9,365,000	10,916,000
2		Economy Sales	10,085,000	0	10,085,000	2.16	2.63	218,000	265,000
3		Gain on Economy Sales	0	0	0	0.00	0.00	43,000	43,000
4		TOTAL ESTIMATED SALES	400,618,000	0	400,618,000	2.40	2.80	9,626,000	11,224,000
	FEBRUARY								
5		Southern Co. Interchange	414,383,000	0	414,383,000	2.32	2.62	9,604,000	10,862,000
6		Economy Sales	11,811,000	0	11,811,000	2.15	2.60	254,000	307,000
7		Gain on Economy Sales	0	0	0	0.00	0.00	40,000	40,000
8		TOTAL ESTIMATED SALES	426,194,000	0	426,194,000	2.32	2.63	9,898,000	11,209,000
	MARCH								
9		Southern Co. Interchange	410,536,000	0	410,536,000	2.46	2.77	10,093,000	11,380,000
10		Economy Sales	8,806,000	0	8,806,000	2.27	2.74	200,000	241,000
11		Gain on Economy Sales	0	0	0	0.00	0.00	20,000	20,000
12		TOTAL ESTIMATED SALES	419,342,000	0	419,342,000	2.46	2.78	10,313,000	11,641,000
	APRIL								
13		Southern Co. Interchange	127,275,000	0	127,275,000	2.27	2.63	2,889,000	3,342,000
14		Economy Sales	8,643,000	0	8,643,000	2.29	2.73	198,000	236,000
15		Gain on Economy Sales	0	0	0	0.00	0.00	24,000	24,000
16		TOTAL ESTIMATED SALES	135,918,000	0	135,918,000	2.29	2.65	3,111,000	3,602,000
	MAY								
17		Southern Co. Interchange	262,112,000	0	262,112,000	2.28	2.74	5,985,000	7,176,000
18		Economy Sales	9,457,000	0	9,457,000	2.31	2.84	218,000	269,000
19		Gain on Economy Sales	0	0	0	0.00	0.00	39,000	39,000
20		TOTAL ESTIMATED SALES	271,569,000	0	271,569,000	2.30	2.76	6,242,000	7,484,000
	JUNE								
21		Southern Co. Interchange	311,757,000	0	311,757,000	2.66	3.08	8,306,000	9,588,000
22		Economy Sales	7,603,000	0	7,603,000	2.64	3.13	201,000	238,000
23		Gain on Economy Sales	0	0	0	0.00	0.00	72,000	72,000
24		TOTAL ESTIMATED SALES	319,360,000	0	319,360,000	2.69	3.10	8,579,000	9,898,000

SCHEDULE E-6
Page 2 of 2

POWER SOLD
GULF POWER COMPANY
TO BE INCLUDED IN THE PERIOD: JANUARY 2016 - DECEMBER 2016

LINE	MONTH	TYPE & SCHEDULE	TOTAL KWH SOLD	KWH WHEELED FROM OTHER SYSTEMS	KWH FROM OWN GENERATION	¢ / kWh FUEL COST	¢ / kWh TOTAL COST	TOTAL $ FOR FUEL ADJUSTMENT	TOTAL COST $
	JULY								
1		Southern Co. Interchange	370,048,000	0	370,048,000	3.07	3.42	11,364,000	12,655,000
2		Economy Sales	7,177,000	0	7,177,000	2.77	3.26	199,000	234,000
3		Gain on Economy Sales	0	0	0	0.00	0.00	88,000	88,000
4		TOTAL ESTIMATED SALES	377,225,000	0	377,225,000	3.09	3.44	11,651,000	12,977,000
	AUGUST								
5		Southern Co. Interchange	370,100,000	0	370,100,000	3.03	3.40	11,232,000	12,600,000
6		Economy Sales	9,341,000	0	9,341,000	2.71	3.18	253,000	297,000
7		Gain on Economy Sales	0	0	0	0.00	0.00	83,000	83,000
8		TOTAL ESTIMATED SALES	379,441,000	0	379,441,000	3.05	3.42	11,568,000	12,980,000
	SEPTEMBER								
9		Southern Co. Interchange	190,807,000	0	190,807,000	2.79	3.18	5,326,000	6,075,000
10		Economy Sales	6,305,000	0	6,305,000	2.51	3.06	158,000	193,000
11		Gain on Economy Sales	0	0	0	0.00	0.00	55,000	55,000
12		TOTAL ESTIMATED SALES	197,112,000	0	197,112,000	2.81	3.21	5,539,000	6,323,000
	OCTOBER								
13		Southern Co. Interchange	13,496,000	0	13,496,000	2.22	2.59	299,000	350,000
14		Economy Sales	9,958,000	0	9,958,000	2.37	2.86	236,000	285,000
15		Gain on Economy Sales	0	0	0	0.00	0.00	34,000	34,000
16		TOTAL ESTIMATED SALES	23,454,000	0	23,454,000	2.43	2.85	569,000	669,000
	NOVEMBER								
17		Southern Co. Interchange	69,779,000	0	69,779,000	2.24	2.55	1,562,000	1,778,000
18		Economy Sales	11,703,000	0	11,703,000	2.22	2.67	260,000	312,000
19		Gain on Economy Sales	0	0	0	0.00	0.00	26,000	26,000
20		TOTAL ESTIMATED SALES	81,482,000	0	81,482,000	2.27	2.60	1,848,000	2,116,000
	DECEMBER								
21		Southern Co. Interchange	325,693,000	0	325,693,000	2.34	2.77	7,627,000	9,028,000
22		Economy Sales	12,741,000	0	12,741,000	2.18	2.64	278,000	336,000
23		Gain on Economy Sales	0	0	0	0.00	0.00	40,000	40,000
24		TOTAL ESTIMATED SALES	338,434,000	0	338,434,000	2.35	2.78	7,945,000	9,404,000
	TOTAL								
25		Southern Co. Interchange	3,256,519,000	0	3,256,519,000	2.57	2.94	83,652,000	95,750,000
26		Economy Sales	113,630,000	0	113,630,000	2.35	2.83	2,673,000	3,213,000
27		Gain on Economy Sales	0	0	0	0.00	0.00	564,000	564,000
28		TOTAL ESTIMATED SALES	3,370,149,000	0	3,370,149,000	2.58	2.95	86,889,000	99,527,000

SCHEDULE E-7

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

TO BE INCLUDED IN THE PERIOD: JANUARY 2016 - DECEMBER 2016

							¢ / kWh		
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								

ENERGY PAYMENT TO QUALIFYING FACILITIES
GULF POWER COMPANY
TO BE INCLUDED IN THE PERIOD: JANUARY 2016 - DECEMBER 2016

MONTH	PURCHASED FROM:	TYPE AND SCHEDULE	TOTAL KWH PURCHASED	KWH FOR OTHER UTILITIES	KWH FOR INTERRUPTIBLE	KWH FOR FIRM	¢/kWh (A) FUEL COST	¢/kWh (B) TOTAL COST	TOTAL $ FOR FUEL ADJ.
JANUARY		COG-1	22,469,000			None	2.59	2.59	581,000
FEBRUARY		COG-1	21,019,000			None	2.59	2.59	544,000
MARCH		COG-1	22,469,000			None	2.59	2.59	581,000
APRIL		COG-1	13,176,000			None	2.93	2.93	386,000
MAY		COG-1	13,615,000			None	2.93	2.93	398,000
JUNE		COG-1	13,176,000			None	2.93	2.93	386,000
JULY		COG-1	13,392,000			None	2.93	2.93	392,000
AUGUST		COG-1	13,392,000			None	2.93	2.93	392,000
SEPTEMBER		COG-1	12,960,000			None	2.93	2.93	379,000
OCTOBER		COG-1	15,624,000			None	2.93	2.93	457,000
NOVEMBER		COG-1	15,120,000			None	2.59	2.59	391,000
DECEMBER		COG-1	15,624,000			None	2.59	2.59	404,000
TOTAL			192,036,000			0	2.76	2.76	5,291,000

SCHEDULE E-9
Page 1 of 2

ECONOMY ENERGY PURCHASES
GULF POWER COMPANY
TO BE INCLUDED IN THE PERIOD: JANUARY 2016 - DECEMBER 2016

LINE	MONTH	TYPE & SCHEDULE	TOTAL KWH PURCHASED	TRANSACTION COST ¢ / kWh	TOTAL $ FOR FUEL ADJ.
	JANUARY				
1		Southern Co. Interchange	65,933,000	2.36	1,556,000
2		Economy Energy	2,537,000	2.72	69,000
3		Other Purchases	568,553,000	3.23	18,388,000
4		TOTAL ESTIMATED PURCHASES	637,023,000	3.14	20,013,000
	FEBRUARY				
5		Southern Co. Interchange	52,276,000	2.26	1,181,000
6		Economy Energy	1,865,000	3.00	56,000
7		Other Purchases	517,201,000	3.26	16,884,000
8		TOTAL ESTIMATED PURCHASES	571,342,000	3.17	18,121,000
	MARCH				
9		Southern Co. Interchange	69,528,000	2.63	1,829,000
10		Economy Energy	2,481,000	3.18	79,000
11		Other Purchases	533,756,000	3.28	17,493,000
12		TOTAL ESTIMATED PURCHASES	605,765,000	3.20	19,401,000
	APRIL				
13		Southern Co. Interchange	131,548,000	2.60	3,421,000
14		Economy Energy	3,636,000	2.64	96,000
15		Other Purchases	199,354,000	4.24	8,459,000
16		TOTAL ESTIMATED PURCHASES	334,538,000	3.58	11,976,000
	MAY				
17		Southern Co. Interchange	24,544,000	2.48	608,000
18		Economy Energy	3,457,000	2.66	92,000
19		Other Purchases	553,923,000	3.19	17,692,000
20		TOTAL ESTIMATED PURCHASES	581,924,000	3.16	18,392,000
	JUNE				
21		Southern Co. Interchange	12,149,000	3.69	448,000
22		Economy Energy	3,595,000	3.25	117,000
23		Other Purchases	531,141,000	3.30	17,514,000
24		TOTAL ESTIMATED PURCHASES	546,885,000	3.31	18,079,000

SCHEDULE E-9
Page 2 of 2

ECONOMY ENERGY PURCHASES
GULF POWER COMPANY
TO BE INCLUDED IN THE PERIOD: JANUARY 2016 - DECEMBER 2016

LINE	MONTH	TYPE & SCHEDULE	TOTAL KWH PURCHASED	TRANSACTION COST ¢ / kWh	TOTAL $ FOR FUEL ADJ.
	JULY				
1		Southern Co. Interchange	14,330,000	2.85	408,000
2		Economy Energy	3,161,000	3.54	112,000
3		Other Purchases	601,634,000	3.21	19,311,000
4		TOTAL ESTIMATED PURCHASES	619,125,000	3.20	19,831,000
	AUGUST				
5		Southern Co. Interchange	9,851,000	5.96	587,000
6		Economy Energy	4,292,000	3.38	145,000
7		Other Purchases	597,561,000	3.23	19,285,000
8		TOTAL ESTIMATED PURCHASES	611,704,000	3.27	20,017,000
	SEPTEMBER				
9		Southern Co. Interchange	65,917,000	2.59	1,708,000
10		Economy Energy	2,566,000	3.00	77,000
11		Other Purchases	560,099,000	3.24	18,175,000
12		TOTAL ESTIMATED PURCHASES	628,582,000	3.18	19,960,000
	OCTOBER				
13		Southern Co. Interchange	304,231,000	2.82	8,580,000
14		Economy Energy	5,506,000	2.96	163,000
15		Other Purchases	478,119,000	3.33	15,928,000
16		TOTAL ESTIMATED PURCHASES	787,856,000	3.13	24,671,000
	NOVEMBER				
17		Southern Co. Interchange	190,207,000	2.56	4,866,000
18		Economy Energy	5,067,000	2.64	134,000
19		Other Purchases	192,917,000	4.26	8,219,000
20		TOTAL ESTIMATED PURCHASES	388,191,000	3.41	13,219,000
	DECEMBER				
21		Southern Co. Interchange	121,868,000	2.28	2,782,000
22		Economy Energy	1,734,000	2.65	46,000
23		Other Purchases	507,753,000	3.33	16,886,000
24		TOTAL ESTIMATED PURCHASES	631,355,000	3.12	19,714,000
	TOTAL FOR PERIOD				
25		Southern Co. Interchange	1,062,382,000	2.63	27,974,000
26		Economy Energy	39,897,000	2.97	1,186,000
27		Other Purchases	5,842,011,000	3.32	194,234,000
28		TOTAL ESTIMATED PURCHASES	6,944,290,000	3.22	223,394,000

SCHEDULE E-10

GULF POWER COMPANY
RESIDENTIAL BILL COMPARISON
FOR MONTHLY USAGE OF 1,000 kWh

	Current Approved Jan. 15 - Dec. 15 ($/1,000 kWh)	Proposed Jan. 16 - Dec. 16 ($/1,000 kWh)	Difference from Current ($)	Difference from Current (%)
Base Rate	$ 64.45	$ 64.45	$ -	0.0%
Fuel Cost Recovery	43.69	36.78	(6.91)	-15.8%
Capacity Cost Recovery	9.16	9.19	0.03	0.3%
Energy Conservation Cost Recovery	2.59	0.68	(1.91)	-73.7%
Environmental Cost Recovery	15.92	21.09	5.17	32.5%
Subtotal	$ 135.81	$ 132.19	$ (3.62)	-2.7%
Gross Receipts Tax	3.48	3.39	(0.09)	-2.6%
Total	$ 139.29	$ 135.58	$ (3.71)	-2.7%

SCHEDULE E-11

ESTIMATED AS-AVAILABLE AVOIDED ENERGY COST
GULF POWER COMPANY

		TOTAL ¢ / kWh
2016	JANUARY	2.586
	FEBRUARY	2.586
	MARCH	2.586
	APRIL	2.926
	MAY	2.926
	JUNE	2.926
	JULY	2.926
	AUGUST	2.926
	SEPTEMBER	2.926
	OCTOBER	2.926
	NOVEMBER	2.586
	DECEMBER	2.586
2017	JANUARY	2.709
	FEBRUARY	2.709
	MARCH	2.709
	APRIL	3.040
	MAY	3.040
	JUNE	3.040
	JULY	3.040
	AUGUST	3.040
	SEPTEMBER	3.040
	OCTOBER	3.040
	NOVEMBER	2.709
	DECEMBER	2.709

SCHEDULE H1

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
GULF POWER COMPANY

LINE	LINE DESCRIPTION	2013	2014	2015	2016	% Change 2013 to 2014	% Change 2014 to 2015	% Change 2015 to 2016
	FUEL COST OF SYSTEM NET GENERATION ($)							
1	LIGHTER OIL (B.L.)	806,844	1,745,999	1,041,770	761,818	116.40	(40.33)	(26.87)
2	COAL	230,848,996	227,098,836	137,565,166	160,639,538	(1.62)	(39.42)	16.77
3	GAS	125,616,386	124,330,289	135,200,134	120,577,791	(1.02)	8.74	(10.82)
4	GAS (B.L.)	0	1,807,910	2,330,432	3,660,486	100.00	28.90	57.07
5	LANDFILL GAS	704,503	680,294	963,353	758,264	(3.44)	41.61	(21.29)
6	OTHER - C.T.	123,790	8,702	0	0	(92.97)	(100.00)	0.00
7	OTHER GENERATION	1,814,318	3,254,676	2,968,865	2,857,236	79.39	(8.78)	(3.76)
8	TOTAL ($)	359,914,837	358,926,706	280,069,720	289,255,133	(0.27)	(21.97)	3.28
	SYSTEM NET GENERATION (MWh)							
9	COAL	4,624,257	4,980,200	3,558,501	4,597,504	7.70	(28.55)	29.20
10	GAS	4,059,172	3,846,888	3,855,439	3,524,535	(5.23)	0.22	(8.58)
11	LANDFILL GAS	26,366	24,720	31,952	24,788	(6.24)	29.26	(22.42)
12	OTHER - C.T.	512	32	0	0	(93.75)	(100.00)	0.00
13	OTHER GENERATION	50,524	81,428	81,428	81,612	61.17	0.00	0.23
14	TOTAL (MWH)	8,760,831	8,933,268	7,527,320	8,228,439	1.97	(15.74)	9.31
	UNITS OF FUEL BURNED							
15	LIGHTER OIL (BBL)	6,864	13,792	8,388	8,491	100.93	(39.18)	1.23
16	COAL (TON)	2,201,050	2,389,900	1,752,649	2,156,455	8.58	(26.66)	23.04
17	GAS (MCF)	28,342,618	25,903,786	26,416,028	23,960,636	(8.60)	1.98	(9.30)
18	OTHER - C.T. (BBL)	1,161	77	0	0	(93.37)	(100.00)	0.00
	BTUS BURNED (MMBtu)							
19	COAL + GAS B.L. + OIL B.L.	51,387,546	55,686,060	38,051,955	48,979,775	8.36	(31.67)	28.72
20	GAS - Generation	27,773,568	26,250,901	26,416,028	24,224,848	(5.48)	0.63	(8.29)
21	OTHER - C.T.	6,802	450	0	0	(93.38)	(100.00)	0.00
22	TOTAL (MMBtu)	79,167,916	81,937,411	64,467,983	73,204,623	3.50	(21.32)	13.55
	GENERATION MIX (% MWh)							
23	COAL + GAS B.L. + OIL B.L.	52.78	55.75	47.27	55.87	5.63	(15.21)	18.19
24	GAS - Generation	46.33	43.06	51.22	42.83	(7.06)	18.95	(16.38)
25	LANDFILL GAS	0.30	0.28	0.42	0.30	(6.67)	50.00	(28.57)
26	OTHER - C.T.	0.01	0.00	0.00	0.00	(100.00)	0.00	0.00
27	OTHER GENERATION	0.58	0.91	1.08	0.99	56.90	18.68	(8.33)
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. ($/BBL)	117.55	126.60	124.20	89.72	7.70	(1.90)	(27.76)
30	COAL ($/TON)	104.88	95.02	78.49	74.49	(9.40)	(17.40)	(5.10)
31	GAS +B.L. ($/MCF)	4.43	4.87	5.21	5.19	9.93	6.98	(0.38)
32	OTHER - C.T.	106.62	113.01	0.00	0.00	5.99	(100.00)	0.00
	FUEL COST ($ / MMBtu)							
33	COAL + GAS B.L. + OIL B.L.	4.51	4.14	3.70	3.37	(8.20)	(10.63)	(8.92)
34	GAS - Generation	4.52	4.74	5.12	4.98	4.87	8.02	(2.73)
35	OTHER - C.T.	18.20	19.34	0.00	0.00	6.26	(100.00)	0.00
36	TOTAL ($/MMBtu)	4.51	4.33	4.28	3.90	(3.99)	(1.15)	(8.88)
	BTU BURNED (Btu / kWh)							
37	COAL + GAS B.L. + OIL B.L.	11,113	11,181	10,693	10,654	0.61	(4.36)	(0.36)
38	GAS - Generation	6,842	6,824	6,852	6,873	(0.26)	0.41	0.31
39	OTHER - C.T.	13,285	14,063	0	0	5.86	(100.00)	0.00
40	TOTAL (Btu/kWh)	9,089	9,257	8,658	9,013	1.85	(6.47)	4.10
	FUEL COST (¢ / kWh)							
41	COAL + GAS B.L. + OIL B.L.	5.01	4.63	3.96	3.59	(7.58)	(14.47)	(9.34)
42	GAS - Generation	3.09	3.23	3.51	3.42	4.53	8.67	(2.56)
43	LANDFILL GAS	2.67	2.75	3.02	3.06	3.00	9.82	1.32
44	OTHER - C.T.	24.18	27.19	0.00	0.00	12.45	(100.00)	0.00
45	OTHER GENERATION	3.59	4.00	3.65	3.50	11.42	(8.75)	(4.11)
46	TOTAL (¢ / kWh)	4.11	4.02	3.72	3.52	(2.19)	(7.46)	(5.38)

Schedule CCE-1

Projected Purchased Power Capacity Payments / (Receipts)
Gulf Power Company
For January 2016 - December 2016

		January	February	March	April	May	June	July	August	September	October	November	December	Total
1	Projected IIC Payments / (Receipts) ($)	0	0	0	4,074	0	19,757	0	0	19,644	5,224	(1,871)	(252)	46,576
2	Other Capacity Payments / (Receipts) ($)	7,346,338	7,346,338	7,346,338	7,346,338	7,346,338	7,346,338	7,346,338	7,346,338	7,346,338	7,346,338	7,346,338	7,346,338	88,156,056
3	Projected Transmission Revenue	(11,000)	(20,000)	(10,000)	(9,000)	(10,000)	(7,000)	(7,000)	(9,000)	(7,000)	(11,000)	(13,000)	(14,000)	(128,000)
4	Total Projected Capacity Payments / (Receipts) (Line 1 + 2 + 3) ($)	7,335,338	7,326,338	7,336,338	7,341,412	7,336,338	7,359,095	7,339,338	7,337,338	7,358,982	7,340,562	7,331,467	7,332,086	88,074,632
5	Jurisdictional %	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	
6	Projected Jurisdictional Capacity Payments / (Receipts) (Line 4 x Line 5) ($)	7,120,520	7,111,783	7,121,490	7,126,416	7,121,490	7,143,581	7,124,403	7,122,461	7,143,471	7,125,591	7,116,762	7,117,363	85,495,331
7	True-Up ($)													(17,859)
8	Total Jurisdictional Amount to be Recovered (Line 6 + Line 7) ($)													85,477,472
9	Revenue Tax Multiplier													1.00072
10	Total Recoverable Capacity Payments / (Receipts) (Line 8 x Line 9) ($)													85,539,016

Calculation of Jurisdictional % *

	12 CP KW	%
FPSC	1,788,856.26	97.07146%
FERC	53,967.91	2.92854%
Total	1,842,824.17	100.00000%

* Based on 2012 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 2016 - DECEMBER 2016

1.	Estimated over/(under)-recovery, January 2015 - December 2015 (Schedule CCE-1B, Line 15 + Line 18)	910,906
2.	Final over/(under)-recovery, January 2014 - December 2014 (Exhibit CSB-1, Schedule CCA-1, filed March 3, 2015)	(893,047)
3.	Total over/(under)-recovery (Line 1 + 2) (To be included in January 2016 - December 2016)	$17,859
4.	Jurisdictional kWh sales, January 2016 - December 2016	11,033,990,000
5.	True-up factor (Line 3 / Line 4) x 100 (¢/kWh)	(0.0002)

PURCHASED POWER CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ESTIMATED TRUE-UP AMOUNT
GULF POWER COMPANY
FOR THE PERIOD JANUARY 2015 - DECEMBER 2015

		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) ($)	(27,430)	(22,839)	(27,724)	(19,111)	(16,856)	(14,601)	0	0	0	0	0	0	(128,561)
2	Other Capacity Payments / (Receipts) ($)	7,414,958	7,414,958	7,414,958	7,414,229	7,414,229	7,437,769	7,382,585	7,382,585	7,382,585	7,382,585	7,382,585	7,382,585	88,806,611
3	Transmission Revenue ($)	(11,858)	(23,711)	(17,766)	(12,768)	(12,573)	(12,274)	(7,000)	(9,000)	(7,000)	(11,000)	(13,000)	(14,000)	(151,950)
4	Total Capacity Payments/(Receipts) ($)	7,375,670	7,368,408	7,369,468	7,382,350	7,384,800	7,410,894	7,375,585	7,373,585	7,375,585	7,371,585	7,369,585	7,368,585	88,526,101
5	Jurisdictional %	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	0.9707146	
6	Jurisdictional Capacity Payments/(Receipts) (Line 4 x Line 5) ($)	7,159,671	7,152,621	7,153,650	7,166,155	7,168,533	7,193,863	7,159,588	7,157,647	7,159,588	7,155,705	7,153,764	7,152,793	85,933,578
7	Retail kWh Sales							1,168,950,000	1,158,165,000	1,023,514,000	844,279,000	770,775,000	862,199,000	
8	Purchased Power Capacity Cost Recovery Factor (¢/kWh)							0.773	0.773	0.773	0.773	0.773	0.773	
9	Capacity Cost Recovery Revenues (Line 7 x Line 8/100) ($)	6,769,423	6,451,042	5,817,220	6,108,216	7,523,583	8,586,502	9,035,984	8,952,615	7,911,763	6,526,277	5,958,091	6,664,798	86,305,514
10	Revenue Taxes (Line 9 x .00072) ($)	4,874	4,645	4,188	4,398	5,417	6,182	6,506	6,446	5,696	4,699	4,290	4,799	62,140
11	True-Up Provision ($)	50,114	50,116	50,116	50,116	50,116	50,116	50,116	50,116	50,116	50,116	50,116	50,116	601,390
12	Capacity Cost Recovery Revenues Net of Revenue Taxes (Line 9 - Line 10 + Line 11) ($)	6,814,663	6,496,513	5,863,148	6,153,934	7,568,282	8,630,436	9,079,594	8,996,285	7,956,183	6,571,694	6,003,917	6,710,115	86,844,764
13	Over/(Under) Recovery (Line 12 - Line 6) ($)	(345,008)	(656,108)	(1,290,502)	(1,012,221)	399,749	1,436,573	1,920,006	1,838,638	796,595	(584,011)	(1,149,847)	(442,678)	911,186
14	Interest Provision ($)	(41)	(82)	(155)	(206)	(243)	(207)	(75)	47	132	136	74	18	(602)
15	Total Estimated True-Up for the Period January 2015 - December 2015 (Line 13 + Line 14) ($)													910,584
16	Beginning Balance True-Up & Interest Provision ($)	(291,657)	(686,820)	(1,393,126)	(2,733,899)	(3,796,120)	(3,446,730)	(2,060,480)	(190,665)	1,597,904	2,344,515	1,710,524	510,635	(291,657)
17	True-Up Collected/(Refunded) ($)	(50,114)	(50,116)	(50,116)	(50,116)	(50,116)	(50,116)	(50,116)	(50,116)	(50,116)	(50,116)	(50,116)	(50,116)	(601,390)
18	Adjustment ($)	0	0	0	322	0	0	0	0	0	0	0	0	322
19	End of Period Total Net True-Up (Lines 13 + 14 + 16 + 17 + 18) ($)	(686,820)	(1,393,126)	(2,733,899)	(3,796,120)	(3,446,730)	(2,060,480)	(190,665)	1,597,904	2,344,515	1,710,524	510,635	17,859	17,859

Calculation of Purchased Power Capacity Cost Recovery Factors
Gulf Power Company
For January 2016 - December 2016

	A	B	C	D	E	F	G	H	I
Rate Class	Average 12 CP Load Factor at Meter	2016 Projected KWH Sales at Meter	Projected Avg 12 CP KW at Meter Col B / 8,784 hours x Col A	Demand Loss Expansion Factor	Energy Loss Expansion Factor	2016 Projected KWH Sales at Generation Col B x Col E	Projected Avg 12 CP KW at Generation Col C x Col D	Percentage of KWH Sales at Generation Col F / Total Col F	Percentage of 12 CP KW Demand at Generation Col G / Total Col G
RS, RSVP, RSTOU	57.025261%	5,268,731,000	1,051,832	1.00820508	1.00777864	5,309,714,562	1,060,462	48.17163%	57.28868%
GS	65.082883%	283,353,000	49,564	1.00820395	1.00777656	285,556,512	49,971	2.59067%	2.69954%
GSD, GSDT, GSTOU	75.900487%	2,572,527,000	385,854	1.00800263	1.00762887	2,592,152,474	388,942	23.51693%	21.01155%
LP, LPT	85.148219%	979,635,000	130,977	0.97344897	0.98364378	963,611,874	127,500	8.74223%	6.88784%
PX, PXT, RTP, SBS	88.430490%	1,773,222,000	228,280	0.95247952	0.96644352	1,713,718,911	217,432	15.54747%	11.74621%
OS - I / II	782.722832%	111,141,000	1,616	1.00802086	1.00777465	112,005,082	1,629	1.01615%	0.08803%
OS-III	101.182319%	45,381,000	5,106	1.00838359	1.00778595	45,734,334	5,149	0.41492%	0.27815%
TOTAL		11,033,990,000	1,853,231			11,022,493,749	1,851,086	100.00000%	100.00000%

Notes:
Col A - Average 12 CP load factor based on actual 2012 load research data.
Col C - 8,784 is the number of hours in 12 months

Calculation of Purchased Power Capacity Cost Recovery Factors
Gulf Power Company
For January 2016 - December 2016

	A	B	C	D	E	F	G	H	I
Rate Class	2016 Percentage of KWH Sales at Generation Page 1, Col I	Percentage of 12 CP KW Demand at Generation Page 1, Col J	Energy-Related Costs ($)	Demand-Related Costs ($)	Total Capacity Costs ($) Col C + Col D	2016 Projected KWH Sales at Meter Page 1, Col B	Capacity Cost Recovery Factors (¢ / KWH) Col E / Col F x 100	2016 Projected KW at Meter Page 1, Col C	Capacity Costs Recovery Factors ($/KW) Col E / Col F x 100
RS, RSVP, RSTOU	48.17163%	57.28868%	3,169,657	45,234,621	48,404,278	5,268,731,000	0.919		
GS	2.59067%	2.69954%	170,464	2,131,532	2,301,996	283,353,000	0.812		
GSD, GSDT, GSTOU	23.51693%	21.01155%	1,547,396	16,590,529	18,137,925	2,572,527,000	0.705		
LP, LPT	8.74223%	6.88784%	575,232	5,438,576	6,013,808	979,635,000	0.000	2,017,172	2.98
PX, PXT, RTP, SBS	15.54747%	11.74621%	1,023,012	9,274,701	10,297,713	1,773,222,000	0.581		
OS - I / II	1.01615%	0.08803%	66,862	69,508	136,370	111,141,000	0.123		
OS-III	0.41492%	0.27815%	27,301	219,625	246,926	45,381,000	0.544		
TOTAL	100.00000%	100.00000%	$6,579,924	$78,959,092	$85,539,016	11,033,990,000	0.775	2,017,172	2.98

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

A	B	C	D	E	F	G	H	I	J	K	L	M

Gulf Power Company
2016 Capacity Contracts

		Term		Contract
1	Contract/Counterparty	Start	End [1]	Type
2	Southern Intercompany Interchange	5/1/2007	5 Yr Notice	SES Opco
3	*PPAs*			
4	Shell Energy N.A. (U.S.), LP [2]	11/2/2009	5/31/2023	Firm
5	*Other*			
6	South Carolina PSA	9/1/2003	-	Other

	Capacity Costs ($)		January	February	March	April	May	June	July	August	September	October	November	December	Total
7	Capacity Costs ($)		January	February	March	April	May	June	July	August	September	October	November	December	Total
8	Southern Intercompany Interchange		0	0	0	4,074	0	19,757	0	0	19,644	5,224	(1,871)	(252)	46,576
9	*PPAs*														
10	Shell Energy N.A. (U.S.), LP		[redacted]												
11	*Other*														
12	South Carolina PSA		[redacted]												
13		Total	7,346,338	7,346,338	7,346,338	7,350,412	7,346,338	7,366,095	7,346,338	7,346,338	7,365,982	7,351,562	7,344,467	7,346,086	88,202,632

	Capacity MW	January	February	March	April	May	June	July	August	September	October	November	December
14	Capacity MW	January	February	March	April	May	June	July	August	September	October	November	December
15	Southern Intercompany Interchange	0.0	0.0	0.0	24.9	0.0	11.0	0.0	0.0	8.6	32.0	(11.4)	(1.5)
16	*PPAs*												
17	Shell Energy N.A. (U.S.), LP	[redacted]											
18	*Other*												
19	South Carolina PSA	[redacted]											

20 (1) Unless otherwise noted, contract remains effective unless terminated upon 30 days prior written notice.
21 (2) Contract megawatts became firm on June 1, 2014.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

FUEL AND PURCHASED POWER COST RECOVERY CLAUSE

Docket No. 150001-EI

PREPARED DIRECT TESTIMONY AND EXHIBIT OF

C. L. NICHOLSON

GENERATING PERFORMANCE INCENTIVE FACTOR TARGETS FOR

JANUARY 2016 – DECEMBER 2016

SEPTEMBER 1, 2015

GULF POWER

A SOUTHERN COMPANY

GULF POWER COMPANY

Before the Florida Public Service Commission
Direct Testimony of
C. L. Nicholson
Docket No. 150001-EI
Date of Filing: September 1, 2015

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

A. My name is Cody L. Nicholson. 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 Auburn University in 1998. I joined Southern Company with Alabama Power in 1996 as a summer intern. Upon graduation in 1998, I joined Southern Company Services (SCS), a subsidiary of Southern Company. During my time at SCS, I worked in Farley Project and in Generating Plant Performance (GPP), where I progressed through various engineering positions with increasing responsibilities. My primary responsibility in Farley Project was to coordinate design changes to Plant Farley. My primary responsibility in GPP was to conduct heat rate tests and performance tests on plant equipment. I joined Southern Nuclear Operating Company (SNC) in 2011. At SNC, my primary responsibility was to coordinate responses to requests from the U. S. Nuclear Regulatory Commission for various projects. I joined SCS in 2014 as a Performance and Reliability Engineer, where my primary responsibility was to report key performance indicators on a monthly basis. I joined Gulf Power in 2015 in my current job position as Power Generation Specialist, Senior as previously mentioned in my testimony. 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, 2016 through December 31, 2016.

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 CLN-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. Nicholson's exhibit consisting of three schedules be marked for identification as Exhibit___(CLN-2).

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

A. We propose that Crist Units 6 and 7, Daniel Units 1 and 2, and Smith Unit 3, be included as the Company's GPIF units. The projected net generation from these units is approximately 96% of Gulf's projected net generation for 2016.

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, 2016 through December 31, 2016?

A. I would like to refer you to page 23 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 20 of Schedule 1 contain the weekly historical data used for the statistical development of these equations. Pages 21 and 22 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 23 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. Nicholson, 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. Nicholson, would you please summarize your testimony?

A. Yes. Gulf asks that the Commission accept:

1. Crist Units 6 and 7, Daniel Units 1 and 2, and Smith Unit 3 for inclusion under the GPIF for the period of January 1, 2016 through December 31, 2016.

2. The target, maximum attainable, and minimum attainable average net operating heat rates, as proposed by the Company and as shown on page 23 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 17 through 26 of Schedule 3 of my exhibit, for use in adjusting the annual actual unit heat rates to target conditions.

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

A. Yes.

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 150001-EI

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

Cody Nicholson

Cody Nicholson
Power Generation Specialist Senior

Sworn to and subscribed before me this 31st day of August, 2015.

Melissa A. Darnes

Notary Public, State of Florida at Large

NOTARY PUBLIC STATE OF FLORIDA
MELISSA A. DARNES
MY COMMISSION # EE 150873
EXPIRES: December 17, 2015
Bonded Thru Budget Notary Services

EXHIBIT TO THE TESTIMONY OF

C. L. NICHOLSON

IN FPSC DOCKET 150001-EI

I. DETERMINATION OF HEAT RATE TARGETS

Target Heat Rate Equations

Crist 6 ANOHR = 10^6 / AKW * [220.03 + 121.02 * JAN + 73.43 * FEB + 86.96 * MAR + 148.44 * APR - 45.41 * JUL + 50.46 * AUG]
+ 9,571

Crist 7 ANOHR = 10^6 / AKW * [295.33 - 45.69 * JAN + 68.87 * APR + 109.39 * JUN + 102.36 * JUL + 49.41 * AUG]
+ 9,505

Daniel 1 ANOHR = 10^6 / AKW * [245.04 + 91.84 * MAY + 145.07 * OCT]
+ 9,666

DANIEL 2 ANOHR = 10^6 / AKW * [532.09 - 98.87 * FEB + 51.13 * MAY + 82.11 * JUN - 83.00 * NOV]
+ 8,529

Smith 3 ANOHR = 10^6 / AKW * [161.14 + 33.85 * JUL]
+ 6,534

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 6 Target Heat Rate Equation

HtRt	HR	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
11033	33	180.50	36522.	0	0	0	0	0	0	1	0	0	0	0	1	2012	
10437	168	217.10	47588.	0	0	0	0	0	0	1	0	0	0	0	0	2012	
11197	168	201.30	40633.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
11388	160	226.60	53652.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
11726	153	189.30	36646.	0	0	0	0	0	0	0	1	0	0	0	1	2012	
10989	168	192.40	37036.	0	0	0	0	0	0	0	0	1	0	0	0	2012	
10773	168	196.90	39175.	0	0	0	0	0	0	0	0	1	0	0	0	2012	
10638	165	197.60	39630.	0	0	0	0	0	0	0	0	1	0	0	0	2012	
10787	137	195.70	39790.	0	0	0	0	0	0	0	0	1	0	0	1	2012	
10961	97	197.00	40584.	0	0	0	0	0	0	0	0	0	1	0	1	2012	
10768	168	205.70	42661.	0	0	0	0	0	0	0	0	0	1	0	0	2012	
10790	168	193.70	37770.	0	0	0	0	0	0	0	0	0	1	0	0	2012	
10857	168	192.70	37305.	0	0	0	0	0	0	0	0	0	1	0	0	2012	
10775	151	192.80	37303.	0	0	0	0	0	0	0	0	0	1	0	0	2012	
11141	104	173.10	30700.	0	0	0	0	0	0	0	0	0	0	1	1	2012	
*11212	85	120.30	14877.	0	0	0	0	0	0	0	0	0	0	1	1	2012	
11053	168	176.60	32009.	0	0	0	0	0	0	0	0	0	0	1	0	2012	
10531	168	208.60	44859.	0	0	0	0	0	0	0	0	0	0	1	0	2012	
10537	168	211.20	46048.	0	0	0	0	0	0	0	0	0	0	0	0	2012	
10467	168	204.00	42392.	0	0	0	0	0	0	0	0	0	0	0	0	2012	
10412	142	193.30	37486.	0	0	0	0	0	0	0	0	0	0	0	0	2012	Dec
11409	125	191.20	37711.	0	0	0	1	0	0	0	0	0	0	0	1	2013	
11326	168	200.80	40954.	0	0	0	1	0	0	0	0	0	0	0	0	2013	
11300	168	197.90	39674.	0	0	0	1	0	0	0	0	0	0	0	0	2013	
10248	19	176.40	33251.	0	0	0	0	1	0	0	0	0	0	0	0	2013	
11434	165	185.20	35872.	0	0	0	0	0	1	0	0	0	0	0	1	2013	
11319	117	174.20	31816.	0	0	0	0	0	1	0	0	0	0	0	0	2013	
*13293	32	168.20	31224.	0	0	0	0	0	1	0	0	0	0	0	1	2013	Jun
10647	168	193.47	37441	0	0	0	0	0	0	1	0	0	0	0	0	2013	JUL
10498	168	193.99	37648	0	0	0	0	0	0	1	0	0	0	0	0	2013	
10511	168	198.91	39977	0	0	0	0	0	0	1	0	0	0	0	0	2013	
10385	168	190.33	36369	0	0	0	0	0	0	1	0	0	0	0	0	2013	
10661	126	166.06	22340	0	0	0	0	0	0	0	1	0	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	1	0	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	1	0	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	1	0	0	0	0	2013	
10865	53	179.38	11226	0	0	0	0	0	0	0	1	0	0	0	1	2013	
10749	168	192.99	37289	0	0	0	0	0	0	0	0	1	0	0	0	2013	
10730	168	192.04	36912	0	0	0	0	0	0	0	0	1	0	0	0	2013	
10611	168	195.32	38228	0	0	0	0	0	0	0	0	1	0	0	0	2013	
10228	81	189.42	20445	0	0	0	0	0	0	0	0	1	0	0	0	2013	
11357	66	181.00	14562	0	0	0	0	0	0	0	0	0	1	0	1	2013	
* 9790	20	186.40	5075	0	0	0	0	0	0	0	0	0	1	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2013	

Data Base for CRIST 6 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2013	
11329	93	183.80	20529	1	0	0	0	0	0	0	0	0	0	0	1	2014	JAN
11336	168	192.32	36996	1	0	0	0	0	0	0	0	0	0	0	0	2014	
11090	168	193.83	37617	1	0	0	0	0	0	0	0	0	0	0	0	2014	
11413	168	193.65	37510	1	0	0	0	0	0	0	0	0	0	0	0	2014	
11354	168	194.94	38126	0	1	0	0	0	0	0	0	0	0	0	0	2014	
11293	168	194.85	38108	0	1	0	0	0	0	0	0	0	0	0	0	2014	
11202	58	190.16	15411	0	1	0	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2014	
11439	163	188.02	35938	0	0	1	0	0	0	0	0	0	0	0	1	2014	
11400	86	191.02	20886	0	0	1	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2014	
*11423	17	153.65	3981	0	0	0	1	0	0	0	0	0	0	0	1	2014	
12055	145	185.41	34130	0	0	0	1	0	0	0	0	0	0	0	0	2014	
*12072	168	199.15	40012	0	0	0	1	0	0	0	0	0	0	0	0	2014	
10811	168	196.76	38877	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10936	168	198.95	39961	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10941	168	195.01	38099	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10938	168	194.50	37872	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10185	168	204.47	42570	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10241	133	206.55	37184	0	0	0	0	0	1	0	0	0	0	0	0	2014	JUN
10438	103	188.93	23755	0	0	0	0	0	1	0	0	0	0	0	1	2014	
10124	168	198.93	39777	0	0	0	0	0	1	0	0	0	0	0	0	2014	
10205	144	196.13	38586	0	0	0	0	0	1	0	0	0	0	0	0	2014	
10466	168	194.78	37951	0	0	0	0	0	0	1	0	0	0	0	0	2014	JUL
10360	168	199.32	39923	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10433	168	195.06	38061	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10523	168	197.38	39044	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10531	168	195.21	38127	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10686	168	197.10	38933	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10875	168	194.98	38038	0	0	0	0	0	0	0	1	0	0	0	0	2014	
11151	168	192.82	37216	0	0	0	0	0	0	0	1	0	0	0	0	2014	
11023	168	194.35	37777	0	0	0	0	0	0	0	1	0	0	0	0	2014	
11193	168	196.78	38952	0	0	0	0	0	0	0	0	1	0	0	0	2014	
11414	143	169.21	25828	0	0	0	0	0	0	0	0	1	0	0	1	2014	
*12340	168	158.99	25723	0	0	0	0	0	0	0	0	1	0	0	0	2014	
10436	168	192.88	37204	0	0	0	0	0	0	0	0	1	0	0	0	2014	
10529	168	194.51	37849	0	0	0	0	0	0	0	0	0	1	0	0	2014	
10257	124	194.90	31639	0	0	0	0	0	0	0	0	0	1	0	1	2014	
10542	168	201.52	40703	0	0	0	0	0	0	0	0	0	1	0	0	2014	
10666	168	202.66	41400	0	0	0	0	0	0	0	0	0	1	0	0	2014	
10878	168	199.78	40640	0	0	0	0	0	0	0	0	0	1	0	0	2014	
11548	168	193.13	37311	0	0	0	0	0	0	0	0	0	0	1	0	2014	
10640	168	197.86	39319	0	0	0	0	0	0	0	0	0	0	1	0	2014	
10808	168	195.42	38205	0	0	0	0	0	0	0	0	0	0	1	0	2014	
10795	168	192.85	37276	0	0	0	0	0	0	0	0	0	0	1	0	2014	
10557	168	176.19	31065	0	0	0	0	0	0	0	0	0	0	0	0	2014	
10883	94	176.55	18106	0	0	0	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2014	

Data Base for CRIST 6 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
*11131	59	140.31	8359	1	0	0	0	0	0	0	0	0	0	0	1	2015	JAN
11768	102	198.19	29210	1	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2015	
11848	166	141.78	20805	0	1	0	0	0	0	0	0	0	0	0	1	2015	
10468	168	196.16	38587	0	1	0	0	0	0	0	0	0	0	0	0	2015	
10470	168	194.68	37981	0	0	1	0	0	0	0	0	0	0	0	0	2015	
11556	64	190.16	15308	0	0	1	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2015	
*26678	21	44.00	350	0	0	0	0	1	0	0	0	0	0	0	1	2015	
11236	148	170.95	30310	0	0	0	0	1	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	0	0	1	0	0	0	0	0	0	2015	
11428	99	173.61	19371	0	0	0	0	0	1	0	0	0	0	0	1	2015	
10557	168	200.80	40883	0	0	0	0	0	1	0	0	0	0	0	0	2015	
10627	143	195.29	39533	0	0	0	0	0	1	0	0	0	0	0	0	2015	

HtRt — Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shut down 24 hours or more, in BTU/Kwh.

Hr — 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.

J to N — The number 1 indicates the month of the observation. All 0's indicate December.

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

YR — 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

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
11257	168	285.50	85623.	0	0	0	0	0	0	1	0	0	0	0	0	2012	
11380	168	267.30	74218.	0	0	0	0	0	0	1	0	0	0	0	0	2012	
11382	146	267.90	74080.	0	0	0	0	0	0	1	0	0	0	0	0	2012	
11531	145	269.60	80788.	0	0	0	0	0	0	1	0	0	0	0	1	2012	
10852	168	275.90	79324.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
10173	165	294.10	93489.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
11021	168	263.30	71173.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
*12054	168	250.90	63309.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
10464	100	268.20	75448.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
*13729	70	223.10	60117.	0	0	0	0	0	0	0	0	0	0	0	3	2012	
10981	168	265.90	73931.	0	0	0	0	0	0	0	0	0	0	0	0	2012	
*12871	24	264.20	71849.	0	0	0	0	0	0	0	0	0	0	0	0	2012	Dec
11066	168	261.00	70443.	1	0	0	0	0	0	0	0	0	0	0	0	2013	
10829	163	280.80	83537.	1	0	0	0	0	0	0	0	0	0	0	0	2013	
10860	168	280.80	84120.	1	0	0	0	0	0	0	0	0	0	0	0	2013	
10729	168	266.70	73652.	1	0	0	0	0	0	0	0	0	0	0	0	2013	
11046	168	248.10	61794.	0	1	0	0	0	0	0	0	0	0	0	0	2013	
11434	168	247.20	61146.	0	1	0	0	0	0	0	0	0	0	0	0	2013	
11335	168	254.60	65469.	0	1	0	0	0	0	0	0	0	0	0	0	2013	
11239	168	250.10	62578.	0	1	0	0	0	0	0	0	0	0	0	0	2013	
10821	168	249.00	62111.	0	0	1	0	0	0	0	0	0	0	0	0	2013	
10640	167	247.10	61080.	0	0	1	0	0	0	0	0	0	0	0	0	2013	
10783	168	254.20	65281.	0	0	1	0	0	0	0	0	0	0	0	0	2013	
10683	158	249.70	63426.	0	0	1	0	0	0	0	0	0	0	0	0	2013	
10602	168	258.40	67874.	0	0	1	0	0	0	0	0	0	0	0	0	2013	
10847	168	259.70	68351.	0	0	0	1	0	0	0	0	0	0	0	0	2013	
10946	61	255.80	67270.	0	0	0	1	0	0	0	0	0	0	0	0	2013	
11356	157	249.10	62769.	0	0	0	0	1	0	0	0	0	0	0	1	2013	
10664	168	255.40	65980.	0	0	0	0	1	0	0	0	0	0	0	0	2013	
10610	168	258.10	67310.	0	0	0	0	1	0	0	0	0	0	0	0	2013	
10640	168	266.80	72485.	0	0	0	0	1	0	0	0	0	0	0	0	2013	
10647	168	272.90	76573.	0	0	0	0	1	0	0	0	0	0	0	0	2013	
10812	168	254.30	65164.	0	0	0	0	0	1	0	0	0	0	0	0	2013	
10508	168	295.90	93213.	0	0	0	0	0	1	0	0	0	0	0	0	2013	
11057	168	259.70	70677.	0	0	0	0	0	1	0	0	0	0	0	0	2013	
10858	144	292.40	90936.	0	0	0	0	0	1	0	0	0	0	0	0	2013	Jun
10749	168	250.85	63000	0	0	0	0	0	0	1	0	0	0	0	0	2013	JUL
11072	157	254.13	66824	0	0	0	0	0	0	1	0	0	0	0	0	2013	
10907	168	268.24	73675	0	0	0	0	0	0	1	0	0	0	0	0	2013	
10891	119	259.91	49329	0	0	0	0	0	0	1	0	0	0	0	0	2013	
11296	70	269.63	33905	0	0	0	0	0	0	0	1	0	0	0	1	2013	
10966	168	293.89	92308	0	0	0	0	0	0	0	1	0	0	0	0	2013	
11174	168	256.58	67112	0	0	0	0	0	0	0	1	0	0	0	0	2013	
11292	168	261.84	70330	0	0	0	0	0	0	0	1	0	0	0	0	2013	
10264	158	298.56	93956	0	0	0	0	0	0	0	1	0	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2013	
11182	20	223.95	12085	0	0	0	0	0	0	0	0	1	0	0	2	2013	
10442	166	300.05	97592	0	0	0	0	0	0	0	0	1	0	0	0	2013	
10352	168	302.14	98957	0	0	0	0	0	0	0	0	1	0	0	0	2013	
10548	168	270.57	75107	0	0	0	0	0	0	0	0	0	1	0	0	2013	
10537	168	275.19	78091	0	0	0	0	0	0	0	0	0	1	0	0	2013	
10603	168	260.63	68861	0	0	0	0	0	0	0	0	0	1	0	0	2013	
10522	168	256.17	66102	0	0	0	0	0	0	0	0	0	1	0	0	2013	

Data Base for CRIST 7 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
10587	169	250.93	63811	0	0	0	0	0	0	0	0	0	1	0	0	2013	
10489	168	255.07	65714	0	0	0	0	0	0	0	0	0	0	1	0	2013	
10542	168	250.29	62810	0	0	0	0	0	0	0	0	0	0	1	0	2013	
10560	168	249.36	62285	0	0	0	0	0	0	0	0	0	0	1	0	2013	
10790	168	252.92	64519	0	0	0	0	0	0	0	0	0	0	1	0	2013	
10118	57	251.82	26943	0	0	0	0	0	0	0	0	0	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2013	
10321	54	238.65	22443	0	0	0	0	0	0	0	0	0	0	0	1	2013	
10217	167	246.47	61178	0	0	0	0	0	0	0	0	0	0	0	0	2013	
10266	138	286.23	74107	1	0	0	0	0	0	0	0	0	0	0	1	2014	JAN
10248	130	245.63	52186	1	0	0	0	0	0	0	0	0	0	0	1	2014	
10090	168	250.19	62619	1	0	0	0	0	0	0	0	0	0	0	0	2014	
10026	168	258.47	67424	1	0	0	0	0	0	0	0	0	0	0	0	2014	
10172	168	275.49	79595	0	1	0	0	0	0	0	0	0	0	0	0	2014	
10120	168	289.95	89359	0	1	0	0	0	0	0	0	0	0	0	0	2014	
10319	168	276.52	79472	0	1	0	0	0	0	0	0	0	0	0	0	2014	
10751	126	251.57	55128	0	1	0	0	0	0	0	0	0	0	0	1	2014	
10615	168	272.85	78472	0	0	1	0	0	0	0	0	0	0	0	0	2014	
10378	167	282.27	82656	0	0	1	0	0	0	0	0	0	0	0	0	2014	
10228	168	344.69	129508	0	0	1	0	0	0	0	0	0	0	0	0	2014	
11053	168	249.74	62635	0	0	1	0	0	0	0	0	0	0	0	0	2014	
10713	168	248.31	61669	0	0	1	0	0	0	0	0	0	0	0	0	2014	
11026	168	252.86	64756	0	0	0	1	0	0	0	0	0	0	0	0	2014	
10952	168	247.17	61446	0	0	0	1	0	0	0	0	0	0	0	0	2014	
11316	168	249.24	62186	0	0	0	1	0	0	0	0	0	0	0	0	2014	
11250	168	267.09	72718	0	0	0	1	0	0	0	0	0	0	0	0	2014	
10551	168	256.29	66212	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10546	168	251.97	63893	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10587	168	253.02	64461	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10587	168	256.84	66783	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10669	168	268.61	74305	0	0	0	0	1	0	0	0	0	0	0	0	2014	
11237	168	295.32	92586	0	0	0	0	0	1	0	0	0	0	0	0	2014	JUN
10703	168	260.80	69553	0	0	0	0	0	1	0	0	0	0	0	0	2014	
11505	168	264.54	71837	0	0	0	0	0	1	0	0	0	0	0	0	2014	
11623	144	253.85	64923	0	0	0	0	0	1	0	0	0	0	0	0	2014	
10561	168	256.70	66808	0	0	0	0	0	0	1	0	0	0	0	0	2014	JUL
10636	165	275.62	82271	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10854	168	248.65	61851	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10961	168	255.07	65867	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10878	168	249.34	62253	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10915	166	253.90	65981	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10362	168	249.24	62190	0	0	0	0	0	0	0	1	0	0	0	0	2014	
11026	166	247.96	62469	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10703	168	255.89	66014	0	0	0	0	0	0	0	1	0	0	0	0	2014	
11420	97	256.58	39197	0	0	0	0	0	0	0	0	1	0	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2014	

Data Base for CRIST 7 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
*10266	68	179.28	17439	0	0	0	0	0	0	0	0	0	0	1	2	2014	
10825	168	254.73	65439	0	0	0	0	0	0	0	0	0	0	1	0	2014	
10700	168	255.58	66138	0	0	0	0	0	0	0	0	0	0	1	0	2014	
10800	168	246.17	60606	0	0	0	0	0	0	0	0	0	0	1	0	2014	
10612	168	288.99	90335	0	0	0	0	0	0	0	0	0	0	0	0	2014	
10414	168	274.17	79443	0	0	0	0	0	0	0	0	0	0	0	0	2014	
10735	168	245.76	60405	0	0	0	0	0	0	0	0	0	0	0	0	2014	
10749	168	244.04	59598	0	0	0	0	0	0	0	0	0	0	0	0	2014	
10938	121	253.98	56519	1	0	0	0	0	0	0	0	0	0	0	1	2015	JAN
10164	168	273.85	78353	1	0	0	0	0	0	0	0	0	0	0	0	2015	
9892	168	258.67	68748	1	0	0	0	0	0	0	0	0	0	0	0	2015	
10459	168	246.16	60681	1	0	0	0	0	0	0	0	0	0	0	0	2015	
10389	168	251.76	64318	0	1	0	0	0	0	0	0	0	0	0	0	2015	
10662	168	249.07	62491	0	1	0	0	0	0	0	0	0	0	0	0	2015	
10293	168	269.35	75510	0	1	0	0	0	0	0	0	0	0	0	0	2015	
10408	100	306.82	75512	0	1	0	0	0	0	0	0	0	0	0	1	2015	
10942	168	250.01	62755	0	0	1	0	0	0	0	0	0	0	0	0	2015	
10755	167	248.93	62257	0	0	1	0	0	0	0	0	0	0	0	0	2015	
10902	168	245.01	60090	0	0	1	0	0	0	0	0	0	0	0	0	2015	
10926	168	261.46	69897	0	0	1	0	0	0	0	0	0	0	0	0	2015	
10895	168	253.82	65244	0	0	1	0	0	0	0	0	0	0	0	0	2015	
10962	59	241.00	24655	0	0	0	1	0	0	0	0	0	0	0	0	2015	
10853	70	237.49	24915	0	0	0	1	0	0	0	0	0	0	0	1	2015	
11175	142	238.76	49831	0	0	0	1	0	0	0	0	0	0	0	0	2015	
11732	20	152.35	3868	0	0	0	1	0	0	0	0	0	0	0	1	2015	
10451	168	291.70	89577	0	0	0	0	1	0	0	0	0	0	0	0	2015	
10250	168	317.21	107828	0	0	0	0	1	0	0	0	0	0	0	0	2015	
10401	168	318.08	108912	0	0	0	0	1	0	0	0	0	0	0	0	2015	
10703	168	262.51	70754	0	0	0	0	1	0	0	0	0	0	0	0	2015	
10741	168	252.79	64348	0	0	0	0	1	0	0	0	0	0	0	0	2015	
10782	168	286.85	86891	0	0	0	0	0	1	0	0	0	0	0	0	2015	
10776	165	315.11	109613	0	0	0	0	0	1	0	0	0	0	0	0	2015	
10608	168	336.38	122808	0	0	0	0	0	1	0	0	0	0	0	0	2015	
10833	144	300.44	97284	0	0	0	0	0	1	0	0	0	0	0	0	2015	

Data Base for CRIST 7 Target Heat Rate Equation

HtRt	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shut down 24 hours or more, in BTU/Kwh.
Hr	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.
J to N	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of start ups during the week after being shut down for 24 hours or more.
YR	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

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
10013	168	361.10	149830.	0	0	0	0	0	0	1	0	0	0	0	0	2012	
9971	168	374.00	158967.	0	0	0	0	0	0	1	0	0	0	0	0	2012	
10510	168	312.40	115455.	0	0	0	0	0	0	1	0	0	0	0	0	2012	
10625	168	343.70	131178.	0	0	0	0	0	0	1	0	0	0	0	0	2012	
10611	168	286.70	97691.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
11228	168	204.30	45512.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
11099	168	204.60	45347.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
11585	96	178.20	32209.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
11321	100	200.30	44484.	0	0	0	0	0	0	0	1	0	0	0	1	2012	
10783	146	343.30	133308.	0	0	0	0	0	0	0	0	0	1	0	1	2012	
10175	169	361.90	143659.	0	0	0	0	0	0	0	0	0	0	1	0	2012	
10169	168	398.80	168098.	0	0	0	0	0	0	0	0	0	0	1	0	2012	
10189	42	338.00	121188.	0	0	0	0	0	0	0	0	0	0	1	0	2012	Dec
11137	104	215.60	49851.	0	0	1	0	0	0	0	0	0	0	0	1	2013	
10651	96	220.20	52089.	0	0	1	0	0	0	0	0	0	0	0	0	2013	
12226	14	282.70	91968.	0	0	1	0	0	0	0	0	0	0	0	1	2013	
10370	100	257.20	77297.	0	0	1	0	0	0	0	0	0	0	0	0	2013	
10552	164	232.60	61519.	0	0	0	1	0	0	0	0	0	0	0	1	2013	
10273	168	270.40	82594.	0	0	0	1	0	0	0	0	0	0	0	0	2013	
10284	168	267.70	78340.	0	0	0	1	0	0	0	0	0	0	0	0	2013	
11445	45	197.50	40266.	0	0	0	0	1	0	0	0	0	0	0	0	2013	
11261	145	264.60	80249.	0	0	0	0	1	0	0	0	0	0	0	1	2013	
10626	163	236.50	62606.	0	0	0	0	0	1	0	0	0	0	0	0	2013	
10295	168	302.80	106712.	0	0	0	0	0	1	0	0	0	0	0	0	2013	
10310	168	262.30	79346.	0	0	0	0	0	1	0	0	0	0	0	0	2013	
10434	144	278.20	88380.	0	0	0	0	0	1	0	0	0	0	0	0	2013	Jun
10684	168	213.32	50798	0	0	0	0	0	0	1	0	0	0	0	0	2013	JUL
10742	168	246.39	70953	0	0	0	0	0	0	1	0	0	0	0	0	2013	
10406	168	274.11	91323	0	0	0	0	0	0	1	0	0	0	0	0	2013	
10794	168	224.68	57652	0	0	0	0	0	0	1	0	0	0	0	0	2013	
10545	168	230.87	60607	0	0	0	0	0	0	0	1	0	0	0	0	2013	
10302	165	237.00	63706	0	0	0	0	0	0	0	1	0	0	0	0	2013	
10267	67	219.81	22610	0	0	0	0	0	0	0	1	0	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	1	0	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	1	0	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2013	
12019	71	187.15	15612	0	0	0	0	0	0	0	0	0	1	0	1	2013	
11367	168	214.33	48662	0	0	0	0	0	0	0	0	0	1	0	0	2013	
11168	168	227.60	57276	0	0	0	0	0	0	0	0	0	0	1	0	2013	
11048	168	444.51	201884	0	0	0	0	0	0	0	0	0	0	1	0	2013	
10240	28	228.21	12073	0	0	0	0	0	0	0	0	0	0	1	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2013	
10433	49	260.73	27157	0	0	0	0	0	0	0	0	0	0	0	1	2013	
10103	117	273.72	61122	0	0	0	0	0	0	0	0	0	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2013	
10408	158	332.86	121292	1	0	0	0	0	0	0	0	0	0	0	0	2014	JAN

Data Base for DANIEL 1 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
10545	168	241.05	65261	1	0	0	0	0	0	0	0	0	0	0	0	2014	
10263	168	276.80	83094	1	0	0	0	0	0	0	0	0	0	0	0	2014	
10059	168	365.42	152137	1	0	0	0	0	0	0	0	0	0	0	0	2014	
10037	168	437.87	199018	0	1	0	0	0	0	0	0	0	0	0	0	2014	
10260	118	447.42	147817	0	1	0	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2014	
10410	84	398.95	93858	0	1	0	0	0	0	0	0	0	0	0	2	2014	
10061	168	405.37	173053	0	0	1	0	0	0	0	0	0	0	0	0	2014	
9845	167	385.70	158668	0	0	1	0	0	0	0	0	0	0	0	0	2014	
10183	168	328.89	117495	0	0	1	0	0	0	0	0	0	0	0	0	2014	
10246	168	307.71	102543	0	0	1	0	0	0	0	0	0	0	0	0	2014	
10649	168	281.38	86018	0	0	1	0	0	0	0	0	0	0	0	0	2014	
11413	107	244.11	44167	0	0	0	1	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2014	
11355	25	226.12	8591	0	0	0	0	1	0	0	0	0	0	0	1	2014	
10469	168	287.12	89736	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10430	168	297.92	95263	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10525	168	289.91	92358	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10769	113	287.42	64936	0	0	0	0	1	0	0	0	0	0	0	1	2014	
10514	168	333.48	121774	0	0	0	0	0	1	0	0	0	0	0	0	2014	
10825	168	312.97	110138	0	0	0	0	0	1	0	0	0	0	0	0	2014	
10707	168	318.17	114970	0	0	0	0	0	1	0	0	0	0	0	0	2014	
10959	144	313.01	112148	0	0	0	0	0	1	0	0	0	0	0	0	2014	JUN
10563	168	318.29	116122	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10700	136	323.44	103470	0	0	0	0	0	0	1	0	0	0	0	1	2014	
10961	168	246.95	70000	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10714	168	306.08	105461	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10443	168	275.49	84998	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10573	168	292.71	96302	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10520	168	264.27	77270	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10581	168	280.46	86451	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10769	168	267.57	78704	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10668	168	318.95	113814	0	0	0	0	0	0	0	0	1	0	0	0	2014	
10309	168	338.33	131388	0	0	0	0	0	0	0	0	1	0	0	0	2014	
10398	168	291.12	93572	0	0	0	0	0	0	0	0	1	0	0	0	2014	
10657	168	259.99	74327	0	0	0	0	0	0	0	0	1	0	0	0	2014	
11477	168	285.53	88874	0	0	0	0	0	0	0	0	0	1	0	0	2014	
10843	98	251.01	41025	0	0	0	0	0	0	0	0	0	1	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2014	
* 9853	116	206.66	35758	0	0	0	0	0	0	0	0	0	1	0	1	2014	
10604	164	202.65	42018	0	0	0	0	0	0	0	0	0	0	1	0	2014	
10712	168	255.86	70339	0	0	0	0	0	0	0	0	0	0	1	0	2014	
10618	98	284.10	55258	0	0	0	0	0	0	0	0	0	0	1	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2014	
11249	22	231.18	10155	1	0	0	0	0	0	0	0	0	0	0	1	2015	JAN
10133	89	202.39	25113	1	0	0	0	0	0	0	0	0	0	0	0	2015	

Data Base for DANIEL 1 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2015	
* 3896	21	228.05	14239	0	0	0	1	0	0	0	0	0	0	0	1	2015	
11544	156	278.90	88100	0	0	0	1	0	0	0	0	0	0	0	0	2015	
*12665	123	230.80	45761	0	0	0	1	0	0	0	0	0	0	0	0	2015	
*13445	71	234.77	29060	0	0	0	1	0	0	0	0	0	0	0	1	2015	
*11859	168	291.73	94797	0	0	0	0	1	0	0	0	0	0	0	0	2015	
11569	167	313.34	113075	0	0	0	0	1	0	0	0	0	0	0	0	2015	
10416	168	332.51	120951	0	0	0	0	1	0	0	0	0	0	0	0	2015	
11390	168	238.67	62425	0	0	0	0	1	0	0	0	0	0	0	0	2015	
11434	168	227.94	56847	0	0	0	0	1	0	0	0	0	0	0	0	2015	
10758	168	263.98	78226	0	0	0	0	0	1	0	0	0	0	0	0	2015	
10084	164	287.55	94195	0	0	0	0	0	1	0	0	0	0	0	0	2015	
* 9371	116	309.97	80047	0	0	0	0	0	1	0	0	0	0	0	1	2015	
*12577	144	274.44	86810	0	0	0	0	0	1	0	0	0	0	0	0	2015	END OF JUN

HtRt — Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shut down 24 hours or more, in BTU/Kwh.

Hr — 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.

J to N — The number 1 indicates the month of the observation. All 0's indicate December.

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

YR — 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

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
10689	168	233.00	60434.	0	0	0	0	0	0	1	0	0	0	0	0	2012	
10693	47	249.60	71761.	0	0	0	0	0	0	1	0	0	0	0	0	2012	
11437	117	230.30	60609.	0	0	0	0	0	0	1	0	0	0	0	1	2012	
11165	168	219.80	52979.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
11343	165	194.90	39325.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
11103	168	205.10	44972.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
11436	74	182.20	33715.	0	0	0	0	0	0	0	1	0	0	0	0	2012	
11371	92	194.30	40683.	0	0	0	0	0	0	0	1	0	0	0	1	2012	Dec
10756	25	275.40	89609.	0	0	1	0	0	0	0	0	0	0	0	0	2013	
11099	168	242.90	64699.	0	0	0	1	0	0	0	0	0	0	0	0	2013	
10571	168	276.50	84927.	0	0	0	1	0	0	0	0	0	0	0	0	2013	
11184	45	192.90	38123.	0	0	0	0	1	0	0	0	0	0	0	0	2013	
11136	47	223.60	59418.	0	0	0	0	1	0	0	0	0	0	0	1	2013	
10639	168	256.60	79529.	0	0	0	0	1	0	0	0	0	0	0	0	2013	
10537	164	268.40	83134.	0	0	0	0	1	0	0	0	0	0	0	0	2013	
10469	168	269.50	85660.	0	0	0	0	0	1	0	0	0	0	0	0	2013	
10392	168	300.90	106250.	0	0	0	0	0	1	0	0	0	0	0	0	2013	
10582	168	272.10	87508.	0	0	0	0	0	1	0	0	0	0	0	0	2013	
10759	144	279.00	90632.	0	0	0	0	0	1	0	0	0	0	0	0	2013	Jun
11021	168	190.01	37492	0	0	0	0	0	0	1	0	0	0	0	0	2013	JUL
10718	168	231.46	61236	0	0	0	0	0	0	1	0	0	0	0	0	2013	
10343	168	261.21	83582	0	0	0	0	0	0	1	0	0	0	0	0	2013	
10706	168	222.51	56150	0	0	0	0	0	0	1	0	0	0	0	0	2013	
10721	168	223.99	55636	0	0	0	0	0	0	0	1	0	0	0	0	2013	
10633	168	234.47	61303	0	0	0	0	0	0	0	1	0	0	0	0	2013	
10866	168	191.67	39228	0	0	0	0	0	0	0	1	0	0	0	0	2013	
10775	168	218.18	52066	0	0	0	0	0	0	0	1	0	0	0	0	2013	
10388	168	252.58	72649	0	0	0	0	0	0	0	1	0	0	0	0	2013	
10590	71	250.96	33347	0	0	0	0	0	0	0	0	1	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2013	
12512	27	182.07	7534	0	0	0	0	0	0	0	0	0	1	0	1	2013	
11444	47	243.40	18225	0	0	0	0	0	0	0	0	0	1	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2013	
10995	75	211.85	26660	0	0	0	0	0	0	0	0	0	0	1	1	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2013	
11262	97	266.55	43453	0	0	0	0	0	0	0	0	0	0	0	1	2013	
10705	168	259.64	73530	0	0	0	0	0	0	0	0	0	0	0	0	2013	
10285	168	312.37	108914	0	0	0	0	0	0	0	0	0	0	0	0	2013	
9891	168	378.27	152984	1	0	0	0	0	0	0	0	0	0	0	0	2014	JAN
10513	168	203.80	47268	1	0	0	0	0	0	0	0	0	0	0	0	2014	
10306	168	252.01	73158	1	0	0	0	0	0	0	0	0	0	0	0	2014	
9886	168	372.55	157573	1	0	0	0	0	0	0	0	0	0	0	0	2014	
9401	168	441.87	200970	0	1	0	0	0	0	0	0	0	0	0	0	2014	
9183	67	436.01	86369	0	1	0	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2014	

Data Base for DANIEL 2 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2014	
*12439	34	253.59	28999	0	0	0	1	0	0	0	0	0	0	0	1	2014	
10007	55	291.09	34406	0	0	0	0	1	0	0	0	0	0	0	1	2014	
10653	168	278.36	84033	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10426	168	289.81	89726	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10450	166	291.66	94934	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10577	168	287.35	90988	0	0	0	0	1	0	0	0	0	0	0	0	2014	
9915	168	332.07	119643	0	0	0	0	0	1	0	0	0	0	0	0	2014	
10635	168	310.18	108082	0	0	0	0	0	1	0	0	0	0	0	0	2014	
10633	164	312.87	111418	0	0	0	0	0	1	0	0	0	0	0	0	2014	
10245	144	312.67	111318	0	0	0	0	0	1	0	0	0	0	0	0	2014	JUN
10456	168	315.75	114209	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10446	168	324.14	120074	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10635	168	239.73	64877	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10368	168	318.35	114321	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10518	168	286.69	92404	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10591	168	303.54	103671	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10502	168	275.55	84407	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10418	168	306.35	105599	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10410	168	306.24	107509	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10067	162	339.51	130020	0	0	0	0	0	0	0	0	1	0	0	0	2014	
10202	164	337.30	131513	0	0	0	0	0	0	0	0	1	0	0	0	2014	
9866	168	302.36	101055	0	0	0	0	0	0	0	0	1	0	0	0	2014	
10020	168	265.65	76887	0	0	0	0	0	0	0	0	1	0	0	0	2014	
10236	168	297.59	96732	0	0	0	0	0	0	0	0	0	1	0	0	2014	
10405	168	277.45	82436	0	0	0	0	0	0	0	0	0	1	0	0	2014	
10289	168	339.15	133746	0	0	0	0	0	0	0	0	0	1	0	0	2014	
10344	168	252.56	73887	0	0	0	0	0	0	0	0	0	1	0	0	2014	
10103	168	229.70	55363	0	0	0	0	0	0	0	0	0	1	0	0	2014	
10853	106	201.06	28392	0	0	0	0	0	0	0	0	0	0	1	0	2014	
9942	124	291.68	70935	0	0	0	0	0	0	0	0	0	0	1	1	2014	
10004	168	269.21	80973	0	0	0	0	0	0	0	0	0	0	1	0	2014	
10849	51	214.39	16346	0	0	0	0	0	0	0	0	0	0	1	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2014	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2014	
*12565	49	238.80	20526	1	0	0	0	0	0	0	0	0	0	0	1	2015	JAN
*12530	95	211.53	30794	1	0	0	0	0	0	0	0	0	0	0	1	2015	
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2015	
11075	154	210.81	46581	0	1	0	0	0	0	0	0	0	0	0	1	2015	
10951	161	223.34	56071	0	1	0	0	0	0	0	0	0	0	0	0	2015	
10608	168	184.39	34902	0	0	1	0	0	0	0	0	0	0	0	0	2015	

Data Base for DANIEL 2 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR
*10221	64	192.03	16326	0	0	1	0	0	0	0	0	0	0	0	0	2015
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2015

HtRt — Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shut down 24 hours or more, in BTU/Kwh.

Hr — 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.

J to N — The number 1 indicates the month of the observation. All 0's indicate December.

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

YR — 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 3 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
6999	168	461.48	5388468	0	0	0	0	0	0	1	0	0	0	0	0	2012	
6958	168	454.48	5257919	0	0	0	0	0	0	1	0	0	0	0	0	2012	
7015	166	400.96	4274036	0	0	0	0	0	0	1	0	0	0	0	0	2012	
7550	160	414.48	4483062	0	0	0	0	0	0	1	0	0	0	0	0	2012	
6925	168	438.30	4884696	0	0	0	0	0	0	0	1	0	0	0	0	2012	
7073	162	436.93	4860974	0	0	0	0	0	0	0	1	0	0	0	0	2012	
6951	168	450.84	5222579	0	0	0	0	0	0	0	1	0	0	0	0	2012	
6894	168	399.58	4342649	0	0	0	0	0	0	0	1	0	0	0	0	2012	
6721	168	474.36	5691842	0	0	0	0	0	0	0	1	0	0	0	0	2012	
6956	168	490.93	5888894	0	0	0	0	0	0	0	0	1	0	0	0	2012	
6974	168	397.38	4266039	0	0	0	0	0	0	0	0	1	0	0	0	2012	
6868	168	415.70	4594784	0	0	0	0	0	0	0	0	1	0	0	0	2012	
6675	168	398.61	4331498	0	0	0	0	0	0	0	0	1	0	0	0	2012	
6929	168	430.39	4872628	0	0	0	0	0	0	0	0	0	1	0	0	2012	
6975	166	368.20	3686142	0	0	0	0	0	0	0	0	0	1	0	0	2012	
6972	168	380.85	3933243	0	0	0	0	0	0	0	0	0	1	0	0	2012	
6876	168	373.11	3833994	0	0	0	0	0	0	0	0	0	1	0	0	2012	
6867	168	438.88	4911687	0	0	0	0	0	0	0	0	0	1	0	0	2012	
6865	169	524.55	6806213	0	0	0	0	0	0	0	0	0	0	1	0	2012	
* 3927	95	478.92	3287708	0	0	0	0	0	0	0	0	0	0	1	0	2012	
* 6012	143	444.57	4318381	0	0	0	0	0	0	0	0	0	0	1	1	2012	
6920	168	525.60	6781653	0	0	0	0	0	0	0	0	0	0	1	0	2012	
6908	168	452.67	5172495	0	0	0	0	0	0	0	0	0	0	0	0	2012	
* 4808	88	484.20	3207702	0	0	0	0	0	0	0	0	0	0	0	1	2012	
6828	166	482.33	5786938	0	0	0	0	0	0	0	0	0	0	0	0	2012	
7037	168	463.96	5471478	0	0	0	0	0	0	0	0	0	0	0	0	2012	
6835	168	475.91	5667167	1	0	0	0	0	0	0	0	0	0	0	0	2013	
6909	168	409.08	4362094	1	0	0	0	0	0	0	0	0	0	0	0	2013	
6884	168	482.70	5752735	1	0	0	0	0	0	0	0	0	0	0	0	2013	
6794	168	432.89	4727002	1	0	0	0	0	0	0	0	0	0	0	0	2013	
6881	168	430.72	4841022	0	1	0	0	0	0	0	0	0	0	0	0	2013	
6917	168	451.61	5002365	0	1	0	0	0	0	0	0	0	0	0	0	2013	
6887	168	509.44	6368007	0	1	0	0	0	0	0	0	0	0	0	0	2013	
6802	160	444.98	4689971	0	1	0	0	0	0	0	0	0	0	0	0	2013	
6816	168	483.80	5729668	0	0	1	0	0	0	0	0	0	0	0	0	2013	
6920	167	446.29	4988275	0	0	1	0	0	0	0	0	0	0	0	0	2013	
6980	168	407.58	4376709	0	0	1	0	0	0	0	0	0	0	0	0	2013	
* 2950	71	465.66	2310669	0	0	1	0	0	0	0	0	0	0	0	0	2013	
*12591	125	306.89	1995382	0	0	0	1	0	0	0	0	0	0	0	1	2013	
6840	168	452.42	5184928	0	0	0	1	0	0	0	0	0	0	0	0	2013	
6996	168	452.34	5327757	0	0	0	1	0	0	0	0	0	0	0	0	2013	
7039	135	372.16	3086094	0	0	0	0	1	0	0	0	0	0	0	1	2013	
6785	168	398.89	4302152	0	0	0	0	1	0	0	0	0	0	0	0	2013	
* 7763	168	393.76	4244322	0	0	0	0	1	0	0	0	0	0	0	0	2013	
6864	168	404.90	4475529	0	0	0	0	1	0	0	0	0	0	0	0	2013	
7669	160	366.57	3813752	0	0	0	0	1	0	0	0	0	0	0	0	2013	
6909	168	413.53	4434528	0	0	0	0	0	1	0	0	0	0	0	0	2013	
* 6883	168	266.39	1871261	0	0	0	0	0	1	0	0	0	0	0	0	2013	
6860	168	414.05	4575812	0	0	0	0	0	1	0	0	0	0	0	0	2013	
6817	144	437.62	5010249	0	0	0	0	0	1	0	0	0	0	0	0	2013	
6947	168	397.28	175915	0	0	0	0	0	0	1	0	0	0	0	0	2013	JUL
6923	168	418.33	191927	0	0	0	0	0	0	1	0	0	0	0	0	2013	
6898	168	433.57	201184	0	0	0	0	0	0	1	0	0	0	0	0	2013	

Data Base for SMITH 3 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
6813	168	410.62	186512	0	0	0	0	0	0	1	0	0	0	0	0	2013	
6817	168	454.03	216014	0	0	0	0	0	0	0	1	0	0	0	0	2013	
6901	168	472.54	228175	0	0	0	0	0	0	0	1	0	0	0	0	2013	
6836	168	420.30	184886	0	0	0	0	0	0	0	1	0	0	0	0	2013	
6696	168	426.46	194176	0	0	0	0	0	0	0	1	0	0	0	0	2013	
6804	168	446.96	212058	0	0	0	0	0	0	0	1	0	0	0	0	2013	
6983	168	427.85	198541	0	0	0	0	0	0	0	0	1	0	0	0	2013	
6862	168	462.03	224465	0	0	0	0	0	0	0	0	1	0	0	0	2013	
6858	156	442.24	203552	0	0	0	0	0	0	0	0	1	0	0	0	2013	
6700	168	469.39	225576	0	0	0	0	0	0	0	0	1	0	0	0	2013	
6845	168	492.42	246869	0	0	0	0	0	0	0	0	0	1	0	0	2013	
6895	168	499.82	252432	0	0	0	0	0	0	0	0	0	1	0	0	2013	
6921	168	485.70	243549	0	0	0	0	0	0	0	0	0	1	0	0	2013	
6743	165	500.28	258192	0	0	0	0	0	0	0	0	0	1	0	0	2013	
6669	142	388.47	144315	0	0	0	0	0	0	0	0	0	1	0	1	2013	
6818	168	471.30	225705	0	0	0	0	0	0	0	0	0	0	1	0	2013	
6820	168	464.98	220893	0	0	0	0	0	0	0	0	0	0	1	0	2013	
6851	168	461.58	217468	0	0	0	0	0	0	0	0	0	0	1	0	2013	
7002	107	498.46	180479	0	0	0	0	0	0	0	0	0	0	1	0	2013	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2013	
6880	157	450.15	210297	0	0	0	0	0	0	0	0	0	0	0	1	2013	
6852	168	388.19	170191	0	0	0	0	0	0	0	0	0	0	0	0	2013	
6935	168	433.58	195022	0	0	0	0	0	0	0	0	0	0	0	0	2013	
6885	168	473.51	242603	1	0	0	0	0	0	0	0	0	0	0	0	2014	JAN
6931	168	431.93	194851	1	0	0	0	0	0	0	0	0	0	0	0	2014	
6952	168	353.20	137833	1	0	0	0	0	0	0	0	0	0	0	0	2014	
6979	168	391.46	170984	1	0	0	0	0	0	0	0	0	0	0	0	2014	
6981	168	337.20	131136	0	1	0	0	0	0	0	0	0	0	0	0	2014	
7023	168	403.01	167236	0	1	0	0	0	0	0	0	0	0	0	0	2014	
7081	168	374.50	146684	0	1	0	0	0	0	0	0	0	0	0	0	2014	
7229	168	339.17	120133	0	1	0	0	0	0	0	0	0	0	0	0	2014	
6637	168	406.18	182523	0	0	1	0	0	0	0	0	0	0	0	0	2014	
6946	167	427.23	191231	0	0	1	0	0	0	0	0	0	0	0	0	2014	
6910	168	380.68	162009	0	0	1	0	0	0	0	0	0	0	0	0	2014	
6850	161	434.94	198904	0	0	1	0	0	0	0	0	0	0	0	0	2014	
6928	168	425.10	191252	0	0	1	0	0	0	0	0	0	0	0	0	2014	
6961	168	393.92	174512	0	0	0	1	0	0	0	0	0	0	0	0	2014	
6879	168	436.68	205989	0	0	0	1	0	0	0	0	0	0	0	0	2014	
6864	120	437.47	147299	0	0	0	1	0	0	0	0	0	0	0	0	2014	
* 8210	17	162.71	5074	0	0	0	1	0	0	0	0	0	0	0	1	2014	
6944	168	358.35	143701	0	0	0	0	1	0	0	0	0	0	0	0	2014	
7003	168	354.30	148001	0	0	0	0	1	0	0	0	0	0	0	0	2014	
6906	168	372.07	154350	0	0	0	0	1	0	0	0	0	0	0	0	2014	
6882	168	429.35	202266	0	0	0	0	1	0	0	0	0	0	0	0	2014	
6916	156	397.46	181763	0	0	0	0	1	0	0	0	0	0	0	0	2014	
6959	168	439.10	208202	0	0	0	0	0	1	0	0	0	0	0	0	2014	JUN
6940	168	406.61	183552	0	0	0	0	0	1	0	0	0	0	0	0	2014	
* 7923	168	415.14	193483	0	0	0	0	0	1	0	0	0	0	0	0	2014	
* 5768	144	419.26	195248	0	0	0	0	0	1	0	0	0	0	0	0	2014	
6960	168	420.15	194871	0	0	0	0	0	0	1	0	0	0	0	0	2014	JUL
6958	168	465.01	227581	0	0	0	0	0	0	1	0	0	0	0	0	2014	
6944	168	409.55	180885	0	0	0	0	0	0	1	0	0	0	0	0	2014	
6896	168	482.99	238117	0	0	0	0	0	0	1	0	0	0	0	0	2014	

Data Base for SMITH 3 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR
6888	168	468.53	225781	0	0	0	0	0	0	0	1	0	0	0	0	2014
7062	148	451.68	194049	0	0	0	0	0	0	0	1	0	0	0	0	2014
6937	168	471.30	227700	0	0	0	0	0	0	0	1	0	0	0	0	2014
6919	168	473.87	229774	0	0	0	0	0	0	0	1	0	0	0	0	2014
6880	168	466.18	223512	0	0	0	0	0	0	0	1	0	0	0	0	2014
6996	168	480.90	235845	0	0	0	0	0	0	0	0	1	0	0	0	2014
6947	168	476.05	231782	0	0	0	0	0	0	0	0	1	0	0	0	2014
6892	168	472.52	228638	0	0	0	0	0	0	0	0	1	0	0	0	2014
6807	168	458.46	214796	0	0	0	0	0	0	0	0	1	0	0	0	2014
6904	159	492.65	247620	0	0	0	0	0	0	0	0	0	1	0	0	2014
6914	168	513.79	266408	0	0	0	0	0	0	0	0	0	1	0	0	2014
6956	168	479.18	235480	0	0	0	0	0	0	0	0	0	1	0	0	2014
6632	168	505.96	259897	0	0	0	0	0	0	0	0	0	1	0	0	2014
6696	168	535.39	290471	0	0	0	0	0	0	0	0	0	1	0	0	2014
6897	168	519.82	274633	0	0	0	0	0	0	0	0	0	0	1	0	2014
6868	96	498.13	146626	0	0	0	0	0	0	0	0	0	0	1	0	2014
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2014
7013	90	394.04	100199	0	0	0	0	0	0	0	0	0	0	1	1	2014
6901	168	465.71	222761	0	0	0	0	0	0	0	0	0	0	0	0	2014
6776	168	557.50	312323	0	0	0	0	0	0	0	0	0	0	0	0	2014
6788	168	504.01	258176	0	0	0	0	0	0	0	0	0	0	0	0	2014
6732	168	414.02	186353	0	0	0	0	0	0	0	0	0	0	0	0	2014
6895	168	458.07	221039	1	0	0	0	0	0	0	0	0	0	0	0	2015
6892	168	510.02	267073	1	0	0	0	0	0	0	0	0	0	0	0	2015
6806	168	486.45	244422	1	0	0	0	0	0	0	0	0	0	0	0	2015
6900	168	469.45	227907	1	0	0	0	0	0	0	0	0	0	0	0	2015
6893	168	501.78	261060	0	1	0	0	0	0	0	0	0	0	0	0	2015
6880	155	468.53	222735	0	1	0	0	0	0	0	0	0	0	0	0	2015
6851	168	505.13	263335	0	1	0	0	0	0	0	0	0	0	0	0	2015
6831	168	458.88	235141	0	1	0	0	0	0	0	0	0	0	0	0	2015
7092	168	421.52	195720	0	0	1	0	0	0	0	0	0	0	0	0	2015
6985	167	426.67	201001	0	0	1	0	0	0	0	0	0	0	0	0	2015
6647	166	464.40	222599	0	0	1	0	0	0	0	0	0	0	0	0	2015
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2015
7301	117	445.56	146907	0	0	1	0	0	0	0	0	0	0	0	1	2015
6942	168	444.36	202714	0	0	0	1	0	0	0	0	0	0	0	0	2015
6952	168	460.02	221225	0	0	0	1	0	0	0	0	0	0	0	0	2015
6919	149	462.46	226358	0	0	0	1	0	0	0	0	0	0	0	0	2015
6758	156	452.56	219284	0	0	0	1	0	0	0	0	0	0	0	0	2015
6890	162	479.56	239965	0	0	0	0	1	0	0	0	0	0	0	0	2015
6912	168	488.24	243593	0	0	0	0	1	0	0	0	0	0	0	0	2015
6937	125	481.78	188001	0	0	0	0	1	0	0	0	0	0	0	1	2015
6876	137	434.56	205680	0	0	0	0	1	0	0	0	0	0	0	0	2015
6971	127	433.98	205598	0	0	0	0	1	0	0	0	0	0	0	0	2015
6980	106	472.05	167891	0	0	0	0	0	1	0	0	0	0	0	1	2015
6930	162	471.19	231896	0	0	0	0	0	1	0	0	0	0	0	0	2015
6866	168	480.51	237072	0	0	0	0	0	1	0	0	0	0	0	0	2015
6925	129	468.42	229246	0	0	0	0	0	1	0	0	0	0	0	0	2015

Data Base for SMITH 3 Target Heat Rate Equation

HtRt	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shut down 24 hours or more, in BTU/Kwh.
Hr	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.
J to N	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of start ups during the week after being shut down for 24 hours or more.
YR	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 2016 - December 2016

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 6	Jan '16	196.9	37,499	11,304	59,084	
	Feb '16	196.7	37,392	11,063	59,614	
	Mar '16	170.6	24,667	11,371	20,815	
	Apr '16	177.2	27,660	11,651	16,655	
	May '16	197.2	37,659	10,687	71,181	
	Jun '16	208.1	43,696	10,629	126,132	
	Jul '16	220.1	50,821	10,365	143,035	
	Aug '16	218.0	49,538	10,812	125,560	
	Sep '16	195.0	36,491	10,700	42,316	
	Oct '16	185.7	31,739	10,756	37,691	
	Nov '16	195.7	36,861	10,696	56,175	
	Dec '16	184.1	30,952	10,767	33,503	10,760
CRIST 7	Jan '16	315.6	108,965	10,296	177,056	
	Feb '16	293.6	90,798	10,511	158,238	
	Mar '16	314.3	107,848	10,444	153,384	
	Apr '16	327.7	119,631	10,616	168,432	
	May '16	353.8	144,264	10,339	246,938	
	Jun '16	365.8	156,336	10,611	255,664	
	Jul '16	383.4	174,892	10,542	267,627	
	Aug '16	378.5	169,624	10,415	274,042	
	Sep '16	371.7	162,444	10,299	263,919	
	Oct '16	0.0	0	-	0	
	Nov '16	292.7	90,088	10,514	24,291	
	Dec '16	316.3	109,569	10,438	159,436	10,449

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 2016 - December 2016

		(1)	(2)	(3)	(4)	(5)
Unit	Month	Forecast AKW * 10^3	Forecast LSRF * 10^6	Forecast Monthly ANOHR	Forecast AKWH * 10^3 Generation	Weighted ANOHR Target
DANIEL 1	Jan '16	246.0	63,312	10,662	81,907	
	Feb '16	203.0	43,569	10,873	36,138	
	Mar '16	178.0	33,753	11,043	27,413	
	Apr '16	199.9	42,286	10,892	54,969	
	May '16	216.0	49,157	11,226	142,762	
	Jun '16	277.9	80,294	10,548	195,619	
	Jul '16	308.3	98,329	10,461	224,163	
	Aug '16	312.4	100,900	10,451	224,268	
	Sep '16	249.7	65,180	10,648	173,273	
	Oct '16	197.7	41,386	11,640	42,905	
	Nov '16	184.8	36,302	10,992	25,694	
	Dec '16	242.3	61,471	10,678	29,079	10,698
DANIEL 2	Jan '16	275.3	77,560	10,462	64,421	
	Feb '16	231.6	56,457	10,399	42,841	
	Mar '16	190.3	39,513	11,325	58,420	
	Apr '16	210.8	47,559	11,053	104,956	
	May '16	224.9	53,510	11,122	115,380	
	Jun '16	292.2	86,597	10,631	170,912	
	Jul '16	328.2	107,475	10,150	211,023	
	Aug '16	318.7	101,751	10,198	227,865	
	Sep '16	264.6	72,091	10,540	183,914	
	Oct '16	220.8	51,744	10,939	124,986	
	Nov '16	200.0	43,230	10,774	85,416	
	Dec '16	234.7	57,846	10,796	49,747	10,605
SMITH 3	Jan '16	482.6	1,600,349	6,868	299,226	
	Feb '16	492.6	1,577,246	6,861	336,952	
	Mar '16	506.1	1,542,361	6,852	368,980	
	Apr '16	484.6	1,595,915	6,866	335,326	
	May '16	483.1	1,599,249	6,867	250,709	
	Jun '16	471.9	1,622,489	6,875	337,379	
	Jul '16	484.9	1,595,242	6,936	358,344	
	Aug '16	483.8	1,597,700	6,867	351,697	
	Sep '16	455.8	1,650,777	6,887	174,109	
	Oct '16	427.5	1,685,861	6,911	6,839	
	Nov '16	478.8	1,608,518	6,870	342,850	
	Dec '16	490.0	1,583,477	6,863	362,125	6,874

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

Summary of Target, Maximum, and Minimum
Average Net Operating Heat Rates
for January 2016 - December 2016

Unit	Target Heat Rate BTU/KWH (0 Points)	Minimum Attainable Heat Rate (+ 10 Points)	Maximum Attainable Heat Rate (- 10 Points)
CRIST 6	10,760	10,437	11,083
CRIST 7	10,449	10,136	10,762
DANIEL 1	10,698	10,377	11,019
DANIEL 2	10,605	10,287	10,923
SMITH 3	6,874	6,668	7,080

II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
Target Equivalent Availabilities
for January 2016 - December 2016

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR *	Planned Outage Hours for Jan '16 - Dec '16	Reserve Shutdown Hours for Jan '16 - Dec '16	Target Equivalent Availability **
Crist 6	0.0881	0	4,522	95.7
Crist 7	0.0511	1,224	1,015	82.3
Daniel 1	0.1125	0	3,246	92.9
Daniel 2	0.0789	0	2,786	95.2
Smith 3	0.0232	1,272	28	83.2

* For Period July 2010 through June 2015.

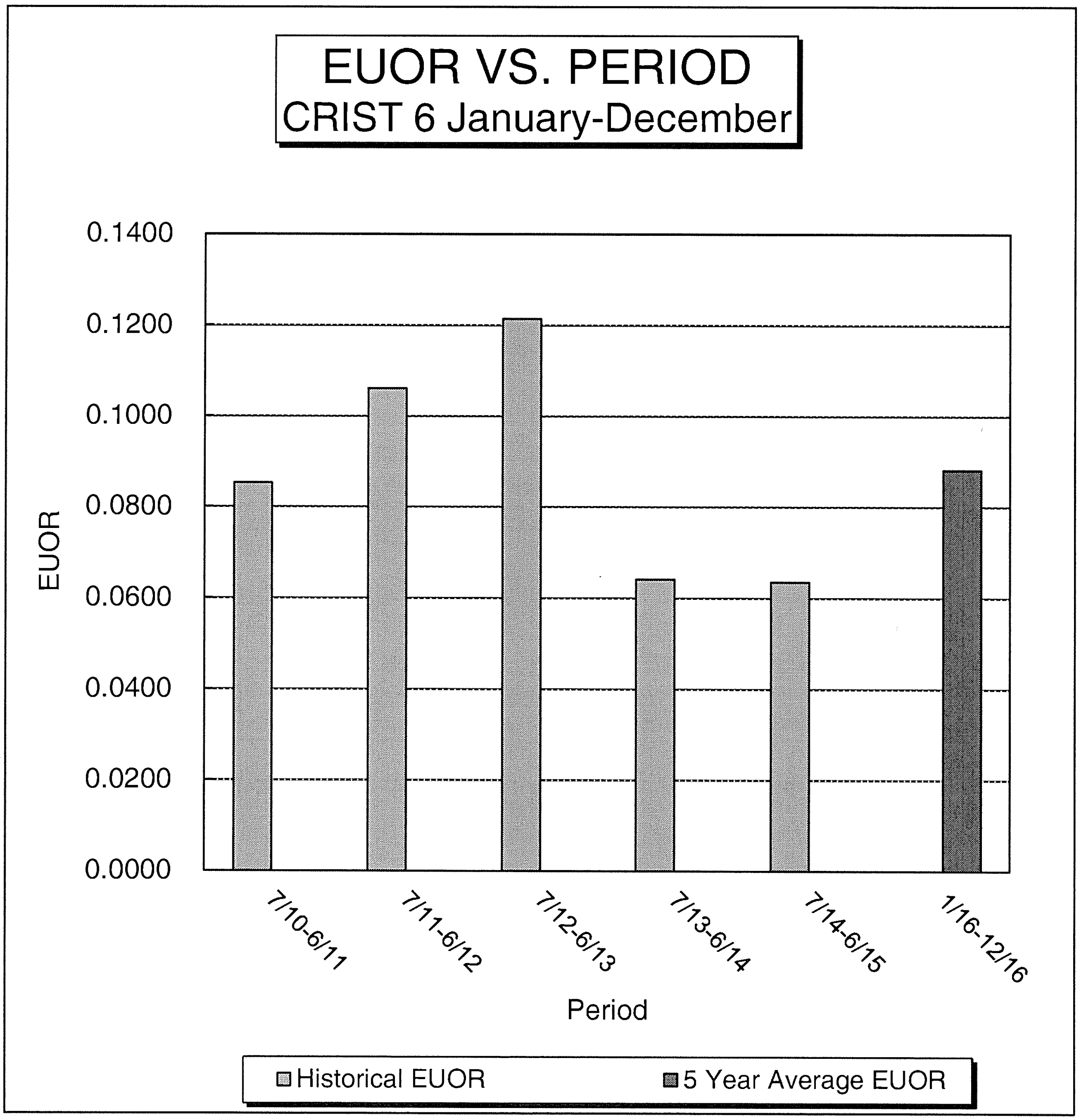
** EA = [1 - (POH + EUOR * (PH - POH - RSH)) / PH] * 100

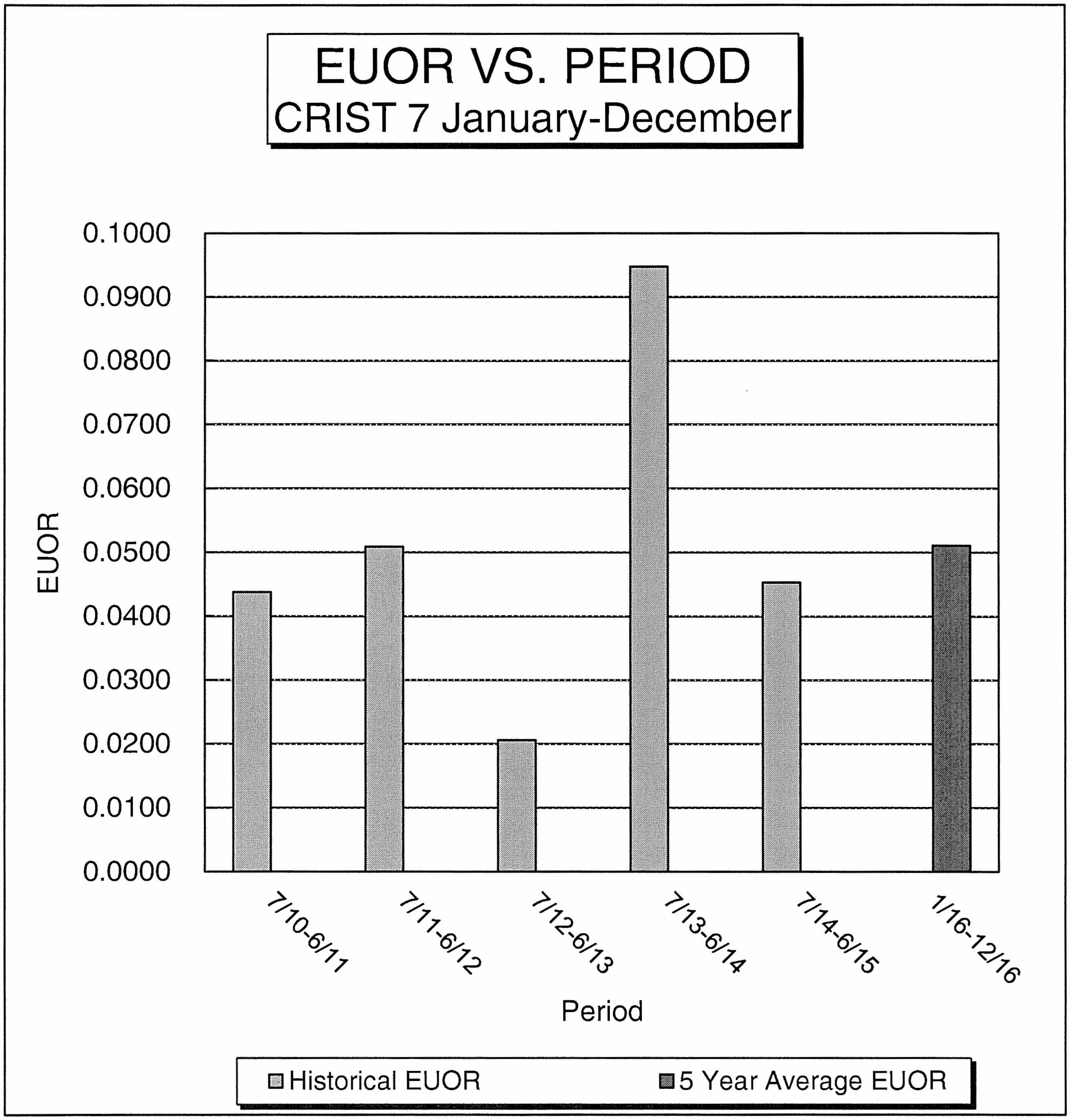
Calculation of Maximum and Minimum
Attainable Equivalent Availabilities
for January 2016 - December 2016

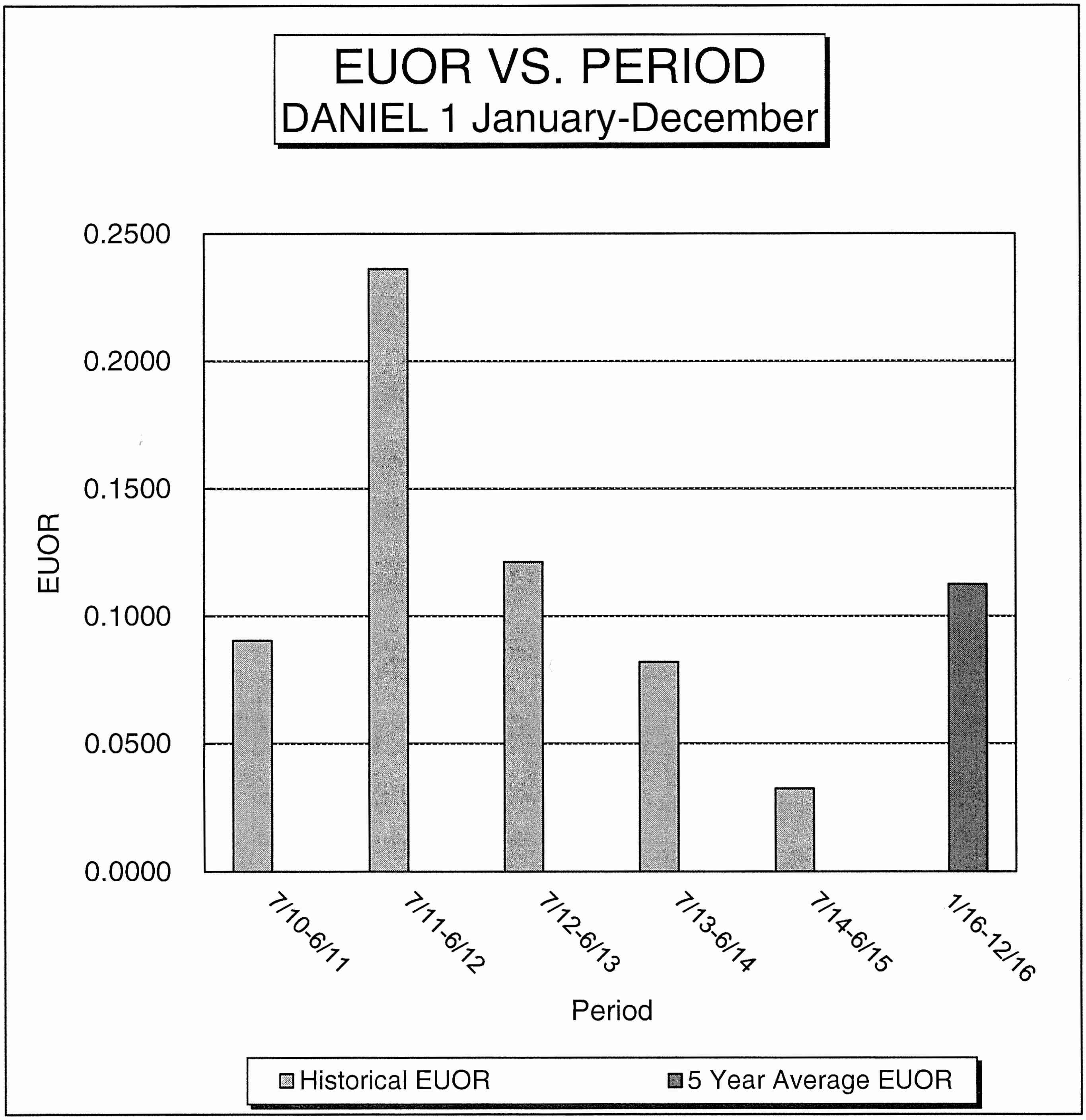
Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR (TARGET EUOR)	Minimum Attainable EUOR 70% of Target EUOR	Maximum Attainable Equivalent Availability	Maximum Attainable EUOR 145% of Target EUOR	Minimum Attainable Equivalent Availability
Crist 6	0.0881	0.0617	97.0	0.1277	93.8
Crist 7	0.0511	0.0358	83.4	0.0741	80.5
Daniel 1	0.1125	0.0788	95.0	0.1631	89.7
Daniel 2	0.0789	0.0552	96.2	0.1144	92.2
Smith 3	0.0232	0.0162	84.1	0.0336	82.7

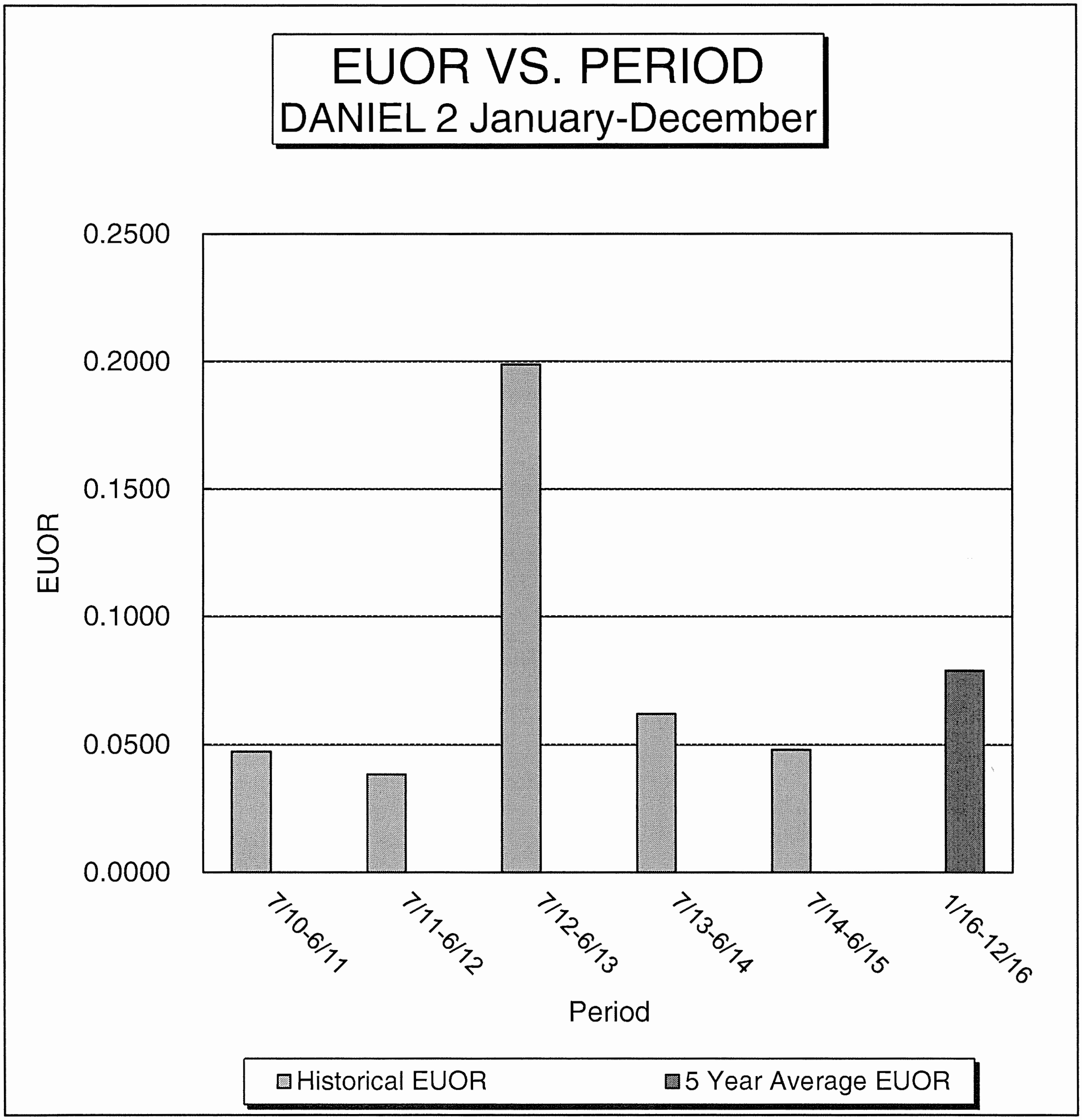
Summary of Target, Maximum, and Minimum
Equivalent Availabilities
for January 2016 - December 2016

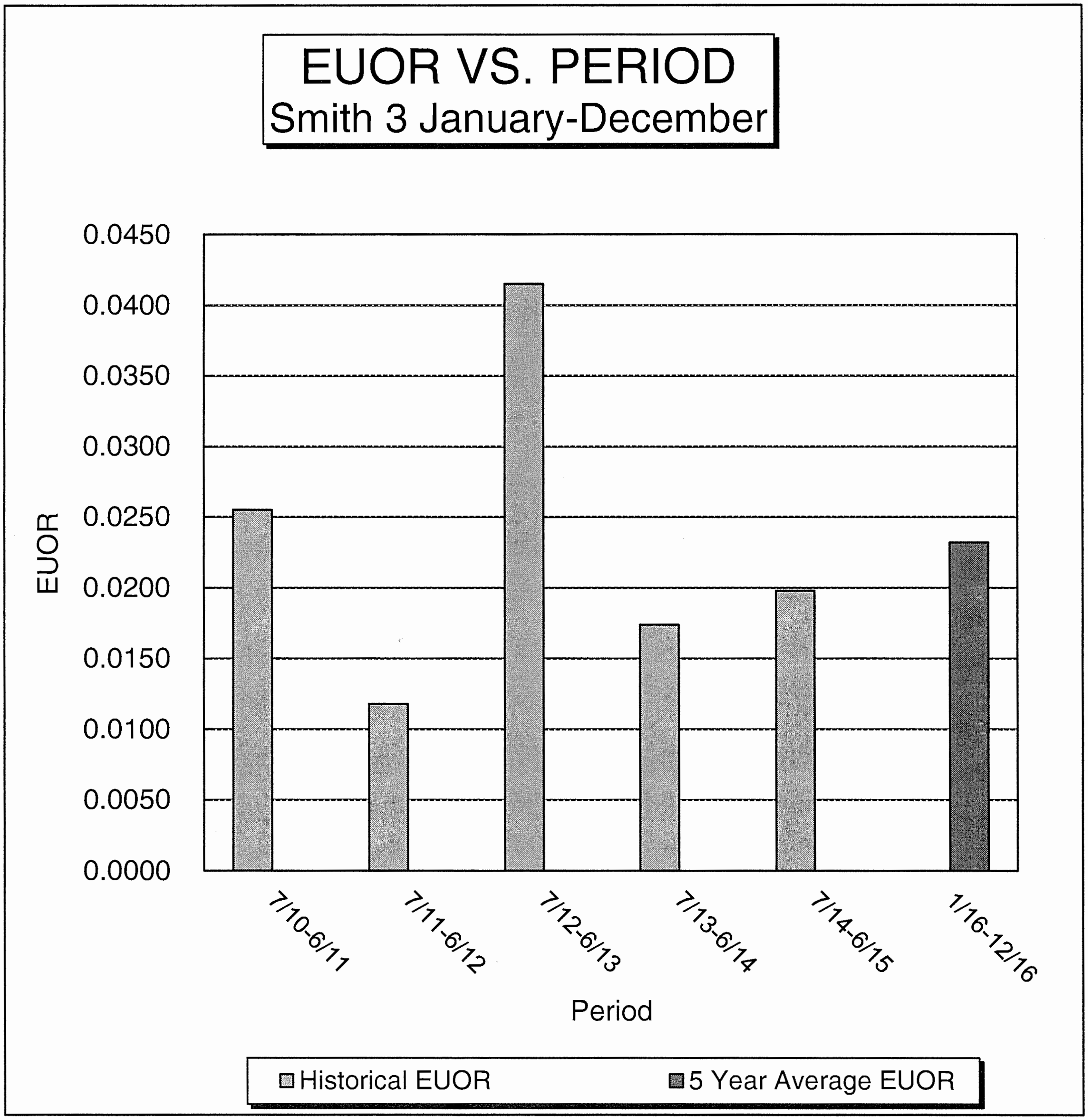
Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Crist 6	95.7	97.0	93.8
Crist 7	82.3	83.4	80.5
Daniel 1	92.9	95.0	89.7
Daniel 2	95.2	96.2	92.2
Smith 3	83.2	84.1	82.7


EUOR VS. PERIOD
CRIST 6 January-December
0.1400
0.1200
0.1000
0.0800
0.0600
0.0400
0.0200
0.0000
EUOR
7/10-6/11
7/11-6/12
7/12-6/13
7/13-6/14
7/14-6/15
1/16-12/16
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
CRIST 7 January-December
EUOR
0.1000
0.0900
0.0800
0.0700
0.0600
0.0500
0.0400
0.0300
0.0200
0.0100
0.0000
7/10-6/11
7/11-6/12
7/12-6/13
7/13-6/14
7/14-6/15
1/16-12/16
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
DANIEL 1 January-December
0.2500
0.2000
0.1500
0.1000
0.0500
0.0000
EUOR
7/10-6/11
7/11-6/12
7/12-6/13
7/13-6/14
7/14-6/15
1/16-12/16
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
DANIEL 2 January-December
0.2500
0.2000
0.1500
0.1000
0.0500
0.0000
EUOR
7/10-6/11
7/11-6/12
7/12-6/13
7/13-6/14
7/14-6/15
1/16-12/16
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
Smith 3 January-December
0.0450
0.0400
0.0350
0.0300
0.0250
0.0200
0.0150
0.0100
0.0050
0.0000
EUOR
7/10-6/11
7/11-6/12
7/12-6/13
7/13-6/14
7/14-6/15
1/16-12/16
Period
Historical EUOR
5 Year Average EUOR

III. GPIF MINIMUM FILING REQUIREMENTS FOR THE PERIOD JANUARY 2016 - DECEMBER 2016

CONTENTS	SCHEDULE 3 PAGE

Generating Performance Incentive Factor

Estimated Reward/Penalty Table

Gulf Power Company

Period of: January 2016 - December 2016

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	6054	3027
+ 9	5449	2724
+ 8	4843	2422
+ 7	4238	2119
+ 6	3632	1816
+ 5	3027	1514
+ 4	2422	1211
+ 3	1816	908
+ 2	1211	605
+ 1	605	303
0	0	0
- 1	-624	-303
- 2	-1247	-605
- 3	-1871	-908
- 4	-2494	-1211
- 5	-3118	-1514
- 6	-3741	-1816
- 7	-4365	-2119
- 8	-4988	-2422
- 9	-5612	-2724
- 10	-6235	-3027
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

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Generating Performance Incentive Factor

Calculation of Maximum Allowed Incentive Dollars

Estimated

Gulf Power Company

Period of: January 2016 - December 2016

Line 1	Beginning of Period Balance of Common Equity	$1,354,242,237
	End of Month Balance of Common Equity:	
Line 2	Month of Jan '16	$1,317,924,097
Line 3	Month of Feb '16	$1,326,657,368
Line 4	Month of Mar '16	$1,335,350,187
Line 5	Month of Apr '16	$1,303,869,321
Line 6	Month of May '16	$1,314,746,945
Line 7	Month of Jun '16	$1,329,971,602
Line 8	Month of Jul '16	$1,308,546,164
Line 9	Month of Aug '16	$1,325,271,788
Line 10	Month of Sep '16	$1,339,106,761
Line 11	Month of Oct '16	$1,305,653,364
Line 12	Month of Nov '16	$1,310,698,323
Line 13	Month of Dec '16	$1,319,992,092
Line 14	Average Common Equity for the Period (sum of line 1 through line 13 divided by 13)	$1,322,463,865
Line 15	25 Basis Points	0.0025
Line 16	Revenue Expansion Factor	61.2006%
Line 17	Maximum Allowed Incentive Dollars (line 14 multiplied by line 15 divided by line 16 multiplied by 1.0)	$5,402,169
Line 18	Jurisdictional Sales (KWH)	11,033,989,875
Line 19	Total Territorial Sales (KWH)	11,364,503,518
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)	97.0917%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 multiplied by line 20)	$5,245,058
Line 22	Incentive Cap (50% of Projected Fuel Savings at 10 GPIF point level from sheet 6.387.0)	$3,027,000
Line 23	Maximum Allowed GPIF Reward (at 10 GPIF Pt. level) (The lesser of Line 21 and Line 22)	$3,027,000

Issued by: S. W. Connally, Jr.

GPIF Unit Performance Summary

Gulf Power Company

Period of: January 2016 - December 2016

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range Max %	EAF Range Min %	Max Fuel Savings ($000)	Max Fuel Loss ($000)
Crist 6	0.4%	95.7	97.0	93.8	$25	($47)
Crist 7	0.8%	82.3	83.4	80.5	$51	($106)
Daniel 1	0.2%	92.9	95.0	89.7	$10	($34)
Daniel 2	0.2%	95.2	96.2	92.2	$13	($20)
Smith 3	0.2%	83.2	84.1	82.7	$12	($85)

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 6	13.8%	10,760	67.9	10,437	11,083	$838	($838)
Crist 7	29.9%	10,449	72.8	10,136	10,762	$1,809	($1,809)
Daniel 1	7.5%	10,698	50.1	10,377	11,019	$455	($455)
Daniel 2	8.7%	10,605	50.6	10,287	10,923	$529	($529)
Smith 3	38.2%	6,874	85.6	6,668	7,080	$2,312	($2,312)

Issued by: S. W. Connally, Jr.

Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2016 - December 2016

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target POF	Target EUOF	Target EUOR	Actual Performance 1st Prior Period Jul '014 - Jun '015 POF	EUOF	EUOR	Actual Performance 2nd Prior Period Jul '013 - Jun '014 POF	EUOF	EUOR
Crist 6	0.4%	22.5%	0.0000	0.0427	0.0881	0.1647	0.0391	0.0635	0.0603	0.0354	0.0641
Crist 7	0.8%	45.9%	0.1393	0.0380	0.0511	0.1938	0.0363	0.0453	0.0000	0.0927	0.0948
Daniel 1	0.2%	9.0%	0.0000	0.0709	0.1125	0.2231	0.0185	0.0324	0.0482	0.0519	0.0820
Daniel 2	0.2%	11.7%	0.0000	0.0476	0.0789	0.0495	0.0335	0.0480	0.2175	0.0338	0.0620
Smith 3	0.2%	10.8%	0.1448	0.0235	0.0232	0.0614	0.0182	0.0198	0.0447	0.0165	0.0174
Weighted GPIF System Average:			0.0797	0.0416	0.0652	0.1587	0.0330	0.0458	0.0482	0.0610	0.0745

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2016 - December 2016

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Jul '012 - Jun '013			Actual Performance 4th Prior Period Jul '011 - Jun '012			Actual Performance 5th Prior Period Jul '010 - Jun '011		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Crist 6	0.4%	22.5%	0.0000	0.0605	0.1214	0.2197	0.0661	0.1061	0.2576	0.0495	0.0853
Crist 7	0.8%	45.9%	0.2632	0.0133	0.0206	0.0000	0.0470	0.0509	0.0867	0.0398	0.0438
Daniel 1	0.2%	9.0%	0.0000	0.0553	0.1213	0.1378	0.0872	0.2362	0.0000	0.0895	0.0905
Daniel 2	0.2%	11.7%	0.1514	0.0681	0.1988	0.2123	0.0201	0.0384	0.1655	0.0340	0.0473
Smith 3	0.2%	10.8%	0.0654	0.0386	0.0415	0.0390	0.0113	0.0118	0.0460	0.0240	0.0255
Weighted GPIF System Average:			0.1457	0.0369	0.0755	0.0910	0.0479	0.0743	0.1222	0.0441	0.0558

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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 2016 - December 2016

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Heat Rate Target	1st Prior Period Heat Rate Jul '014 - Jun '015	2nd Prior Period Heat Rate Jul '013 - Jun '014	3rd Prior Period Heat Rate Jul '012 - Jun '013
Crist 6	13.8%	14.1%	10,760	10,854	10,691	10,977
Crist 7	29.9%	30.4%	10,449	10,457	10,386	10,663
Daniel 1	7.5%	7.7%	10,698	10,847	10,664	10,876
Daniel 2	8.7%	8.9%	10,605	10,856	10,722	10,650
Smith 3	38.2%	38.9%	6,874	6,888	6,842	6,863
Weighted GPIF System Average:			9,135	9,190	9,101	9,244

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Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 6 Jul '013 - Jun '014

	Jul Jan	Aug Feb	Sep Mar	Oct Apr	Nov May	Dec Jun
1. Target Heat Rate*	10365.0 11304.0	10812.0 11063.0	10700.0 11371.0	10756.0 11651.0	10696.0 10687.0	10767.0 10629.0
2. Target Heat Rate at Actual Conditions**	10487.0 11408.0	11132.0 11206.0	10712.0 11160.0	10780.0 11505.0	0.0 10691.0	0.0 10673.0
3. Adjustments to Actual Heat Rate (1-2)	-122.0 -104.0	-320.0 -143.0	-12.0 211.0	-24.0 146.0	10696.0 -4.0	10767.0 -44.0
4. Actual Heat Rate for Prior Period	10505.0 11308.0	11005.0 11334.0	10630.0 11443.0	10984.0 11293.0	0.0 10821.0	0.0 10206.0
5. Adjusted actual Heat Rate (4+3)	10383.0 11204.0	10685.0 11191.0	10618.0 11654.0	10960.0 11439.0	10696.0 10817.0	10767.0 10162.0
6. Forecast Net MWH Generation*	143034.8 59083.7	125559.6 59614.1	42316.4 20815.0	37691.0 16655.0	56175.0 71181.0	33503.0 126131.6

7. Adjusted Actual Heat Rate for Jul '013 - Jun '014 = $(\Sigma ((5) * (6))) / (\Sigma (6))$ 10,691

* For the January 2016 - December 2016 time period.

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

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Derivation of Weighting Factors

Gulf Power Company

Period of: January 2016 - December 2016

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 6	EA-3	$367,814	$367,789	$25	0.4%
Crist 6	ANOHR-3	$367,814	$366,976	$838	13.8%
Crist 7	EA-4	$367,814	$367,763	$51	0.8%
Crist 7	ANOHR-4	$367,814	$366,005	$1,809	29.9%
Daniel 1	EA-5	$367,814	$367,804	$10	0.2%
Daniel 1	ANOHR-5	$367,814	$367,359	$455	7.5%
Daniel 2	EA-6	$367,814	$367,801	$13	0.2%
Daniel 2	ANOHR-6	$367,814	$367,285	$529	8.7%
Smith 3	EA-7	$367,814	$367,802	$12	0.2%
Smith 3	ANOHR-7	$367,814	$365,502	$2,312	38.2%

(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 2016 - December 2016

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	25	97.00	+ 10	838	10,437
+ 9	23	96.87	+ 9	754	10,462
+ 8	20	96.74	+ 8	670	10,487
+ 7	18	96.61	+ 7	587	10,511
+ 6	15	96.48	+ 6	503	10,536
+ 5	13	96.35	+ 5	419	10,561
+ 4	10	96.22	+ 4	335	10,586
+ 3	8	96.09	+ 3	251	10,611
+ 2	5	95.96	+ 2	168	10,635
+ 1	3	95.83	+ 1	84	10,660
				0	10,685
0	0	95.70	0	0	10,760
				0	10,835
- 1	(5)	95.51	- 1	(84)	10,860
- 2	(9)	95.32	- 2	(168)	10,885
- 3	(14)	95.13	- 3	(251)	10,909
- 4	(19)	94.94	- 4	(335)	10,934
- 5	(24)	94.75	- 5	(419)	10,959
- 6	(28)	94.56	- 6	(503)	10,984
- 7	(33)	94.37	- 7	(587)	11,009
- 8	(38)	94.18	- 8	(670)	11,033
- 9	(42)	93.99	- 9	(754)	11,058
- 10	(47)	93.80	- 10	(838)	11,083

Weighting Factor: 0.004   Weighting Factor: 0.138

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2016 - December 2016

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	51	83.40	+ 10	1,809	10,136
+ 9	46	83.29	+ 9	1,628	10,160
+ 8	41	83.18	+ 8	1,447	10,184
+ 7	36	83.07	+ 7	1,266	10,207
+ 6	31	82.96	+ 6	1,085	10,231
+ 5	26	82.85	+ 5	905	10,255
+ 4	20	82.74	+ 4	724	10,279
+ 3	15	82.63	+ 3	543	10,303
+ 2	10	82.52	+ 2	362	10,326
+ 1	5	82.41	+ 1	181	10,350
				0	10,374
0	0	82.30	0	0	10,449
				0	10,524
- 1	(11)	82.12	- 1	(181)	10,548
- 2	(21)	81.94	- 2	(362)	10,572
- 3	(32)	81.76	- 3	(543)	10,595
- 4	(42)	81.58	- 4	(724)	10,619
- 5	(53)	81.40	- 5	(905)	10,643
- 6	(64)	81.22	- 6	(1,085)	10,667
- 7	(74)	81.04	- 7	(1,266)	10,691
- 8	(85)	80.86	- 8	(1,447)	10,714
- 9	(95)	80.68	- 9	(1,628)	10,738
- 10	(106)	80.50	- 10	(1,809)	10,762

Weighting Factor: 0.008 Weighting Factor: 0.299

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2016 - December 2016

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	10	95.00	+ 10	455	10,377
+ 9	9	94.79	+ 9	410	10,402
+ 8	8	94.58	+ 8	364	10,426
+ 7	7	94.37	+ 7	319	10,451
+ 6	6	94.16	+ 6	273	10,475
+ 5	5	93.95	+ 5	228	10,500
+ 4	4	93.74	+ 4	182	10,525
+ 3	3	93.53	+ 3	137	10,549
+ 2	2	93.32	+ 2	91	10,574
+ 1	1	93.11	+ 1	46	10,598
				0	10,623
0	0	92.90	0	0	10,698
				0	10,773
- 1	(3)	92.58	- 1	(46)	10,798
- 2	(7)	92.26	- 2	(91)	10,822
- 3	(10)	91.94	- 3	(137)	10,847
- 4	(14)	91.62	- 4	(182)	10,871
- 5	(17)	91.30	- 5	(228)	10,896
- 6	(20)	90.98	- 6	(273)	10,921
- 7	(24)	90.66	- 7	(319)	10,945
- 8	(27)	90.34	- 8	(364)	10,970
- 9	(31)	90.02	- 9	(410)	10,994
- 10	(34)	89.70	- 10	(455)	11,019

Weighting Factor: 0.002 Weighting Factor: 0.075

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2016 - December 2016

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	13	96.20	+ 10	529	10,287
+ 9	12	96.04	+ 9	476	10,311
+ 8	10	95.88	+ 8	423	10,336
+ 7	9	95.72	+ 7	370	10,360
+ 6	8	95.56	+ 6	317	10,384
+ 5	7	95.40	+ 5	265	10,409
+ 4	5	95.24	+ 4	212	10,433
+ 3	4	95.08	+ 3	159	10,457
+ 2	3	94.92	+ 2	106	10,481
+ 1	1	94.76	+ 1	53	10,506
				0	10,530
0	0	94.60	0	0	10,605
				0	10,680
- 1	(2)	94.36	- 1	(53)	10,704
- 2	(4)	94.12	- 2	(106)	10,729
- 3	(6)	93.88	- 3	(159)	10,753
- 4	(8)	93.64	- 4	(212)	10,777
- 5	(10)	93.40	- 5	(265)	10,802
- 6	(12)	93.16	- 6	(317)	10,826
- 7	(14)	92.92	- 7	(370)	10,850
- 8	(16)	92.68	- 8	(423)	10,874
- 9	(18)	92.44	- 9	(476)	10,899
- 10	(20)	92.20	- 10	(529)	10,923

Weighting Factor: 0.002 Weighting Factor: 0.087

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2016 - December 2016

Smith 3

Equivalent Availability Points	Fuel Savings/ Loss ($000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/ Loss ($000)	Adjusted Actual Heat Rate
+ 10	12	84.10	+ 10	2,312	6,668
+ 9	11	84.04	+ 9	2,081	6,681
+ 8	10	83.98	+ 8	1,850	6,694
+ 7	8	83.92	+ 7	1,618	6,707
+ 6	7	83.86	+ 6	1,387	6,720
+ 5	6	83.80	+ 5	1,156	6,734
+ 4	5	83.74	+ 4	925	6,747
+ 3	4	83.68	+ 3	694	6,760
+ 2	2	83.62	+ 2	462	6,773
+ 1	1	83.56	+ 1	231	6,786
				0	6,799
0	0	83.50	0	0	6,874
				0	6,949
- 1	(9)	83.42	- 1	(231)	6,962
- 2	(17)	83.34	- 2	(462)	6,975
- 3	(26)	83.26	- 3	(694)	6,988
- 4	(34)	83.18	- 4	(925)	7,001
- 5	(43)	83.10	- 5	(1,156)	7,015
- 6	(51)	83.02	- 6	(1,387)	7,028
- 7	(60)	82.94	- 7	(1,618)	7,041
- 8	(68)	82.86	- 8	(1,850)	7,054
- 9	(77)	82.78	- 9	(2,081)	7,067
- 10	(85)	82.70	- 10	(2,312)	7,080

Weighting Factor: 0.002 Weighting Factor: 0.382

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ESTIMATED UNIT PERFORMANCE DATA

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

	CRIST 6	Jan '16	Feb '16	Mar '16	Apr '16	May '16	Jun '16	
1.	EAF (%)	98.8	98.7	99.6	66.3	98.5	97.2	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	1.2	1.3	0.4	33.7	1.5	2.8	
4.	EUOR (%)	2.9	2.9	2.4	72.1	3.0	3.2	
5.	PH	744.0	696.0	743.0	720.0	744.0	720.0	
6.	SH	300.0	303.0	122.0	94.0	361.0	606.0	
7.	RSH	435.0	384.0	618.0	383.0	372.0	94.0	
8.	UH	9.0	9.0	3.0	243.0	11.0	20.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	9.0	9.0	3.0	3.0	11.0	20.0	
11.	MOH & EMOH	0.0	0.0	0.0	240.0	0.0	0.0	
12.	Oper MBtu	667882	659511	236687	194047	760711	1340653	
13.	Net Gen (MWH)	59083.7	59614.1	20815.0	16655.0	71181.0	126131.6	
14.	ANOHR (Btu/KWH)	11304.0	11063.0	11371.0	11651.0	10687.0	10629.0	
15.	NOF %	65.9	65.8	57.1	59.3	65.9	69.6	
16.	NPC (MW)	299.0	299.0	299.0	299.0	299.0	299.0	

19.	ANOHR Equation	10^6 / AKW * [220.03 + 121.02 * JAN + 73.43 * FEB + 86.96 * MAR + 148.44 * APR - 45.41 * JUL + 50.46 * AUG] + 9,571

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

	CRIST 6	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Total
1.	EAF (%)	97.0	97.4	98.6	98.7	98.1	99.3	95.7
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	3.0	2.6	1.4	1.3	1.9	0.7	4.3
4.	EUOR (%)	3.3	3.2	4.5	4.8	4.7	2.7	8.8
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8784.0
6.	SH	650.0	576.0	217.0	203.0	287.0	182.0	3901.0
7.	RSH	73.0	149.0	497.0	535.0	425.0	557.0	4522.0
8.	UH	21.0	19.0	6.0	6.0	9.0	5.0	361.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	22.0	19.0	10.0	10.0	14.0	5.0	135.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	240.0
12.	Oper MBtu	1482556	1357550	452785	405404	600848	360727	8519361
13.	Net Gen (MWH)	143034.8	125559.6	42316.4	37691.0	56175.0	33503.0	791760.2
14.	ANOHR (Btu/KWH)	10365.0	10812.0	10700.0	10756.0	10696.0	10767.0	10760.0
15.	NOF %	73.6	72.9	65.2	62.1	65.5	61.6	67.9
16.	NPC (MW)	299.0	299.0	299.0	299.0	299.0	299.0	299.0
19.	ANOHR Equation	10^6 / AKW * [220.03 + 121.02 * JAN + 73.43 * FEB + 86.96 * MAR + 148.44 * APR - 45.41 * JUL + 50.46 * AUG] + 9,571						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

	CRIST 7	Jan '16	Feb '16	Mar '16	Apr '16	May '16	Jun '16	
1.	EAF (%)	98.9	98.9	79.7	84.9	98.7	98.6	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	1.1	1.1	20.3	15.1	1.3	1.4	
4.	EUOR (%)	1.4	1.5	23.6	17.7	1.4	1.4	
5.	PH	744.0	696.0	743.0	720.0	744.0	720.0	
6.	SH	561.0	539.0	488.0	514.0	698.0	699.0	
7.	RSH	175.0	149.0	104.0	103.0	36.0	11.0	
8.	UH	8.0	8.0	151.0	103.0	10.0	10.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	8.0	8.0	7.0	13.0	10.0	10.0	
11.	MOH & EMOH	0.0	0.0	144.0	96.0	0.0	0.0	
12.	Oper MBtu	1822967	1663236	1601939	1788077	2553096	2712848	
13.	Net Gen (MWH)	177055.8	158237.7	153383.7	168432.3	246938.4	255663.7	
14.	ANOHR (Btu/KWH)	10296.0	10511.0	10444.0	10616.0	10339.0	10611.0	
15.	NOF %	66.4	61.8	66.2	69.0	74.5	77.0	
16.	NPC (MW)	475.0	475.0	475.0	475.0	475.0	475.0	

19.	ANOHR Equation	10^6 / AKW * [295.33 - 45.69 * JAN + 68.87 * APR + 109.39 * JUN + 102.36 * JUL + 49.41 * AUG] + 9,505

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

	CRIST 7	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Total
1.	EAF (%)	98.7	98.7	98.6	-0.1	33.4	99.1	82.3
2.	POF (%)	0.0	0.0	0.0	100.0	66.6	0.0	13.9
3.	EUOF (%)	1.3	1.3	1.4	0.1	0.0	0.9	3.8
4.	EUOR (%)	1.4	1.4	1.4	0.0	0.0	1.4	5.1
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8784.0
6.	SH	698.0	724.0	710.0	-1.0	83.0	504.0	6217.0
7.	RSH	36.0	10.0	0.0	0.0	158.0	233.0	1015.0
8.	UH	10.0	10.0	10.0	745.0	480.0	7.0	1552.0
9.	POH	0.0	0.0	0.0	744.0	480.0	0.0	1224.0
10.	FOH & EFOH	10.0	10.0	10.0	1.0	0.0	7.0	94.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	240.0
12.	Oper MBtu	2821319	2854142	2718097	0	255400	1664188	22455309
13.	Net Gen (MWH)	267626.5	274041.5	263918.5	0.0	24291.4	159435.5	2149025.0
14.	ANOHR (Btu/KWH)	10542.0	10415.0	10299.0	-	10514.0	10438.0	10449.0
15.	NOF %	80.7	79.7	78.3	0.0	61.6	66.6	72.8
16.	NPC (MW)	475.0	475.0	475.0	475.0	475.0	475.0	475.0

19.	ANOHR Equation	10^6 / AKW * [295.33 - 45.69 * JAN + 68.87 * APR + 109.39 * JUN + 102.36 * JUL + 49.41 * AUG] + 9,505

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

	DANIEL 1	Jan '16	Feb '16	Mar '16	Apr '16	May '16	Jun '16	
1.	EAF (%)	98.9	99.4	99.5	99.2	97.3	97.8	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	1.1	0.6	0.5	0.8	2.7	2.2	
4.	EUOR (%)	2.3	2.2	2.5	2.1	3.0	2.2	
5.	PH	744.0	696.0	743.0	720.0	744.0	720.0	
6.	SH	333.0	178.0	154.0	275.0	661.0	704.0	
7.	RSH	403.0	514.0	585.0	439.0	68.0	0.0	
8.	UH	8.0	4.0	4.0	6.0	15.0	16.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	8.0	4.0	4.0	6.0	20.0	16.0	
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	873292	392924	302722	598725	1602646	2063389	
13.	Net Gen (MWH)	81907.0	36137.6	27413.0	54969.2	142762.0	195619.0	
14.	ANOHR (Btu/KWH)	10662.0	10873.0	11043.0	10892.0	11226.0	10548.0	
15.	NOF %	48.2	39.8	34.9	39.2	42.3	54.5	
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	

19.	ANOHR Equation	10^6 / AKW * [245.04 + 91.84 * MAY + 145.07 * OCT] + 9,666

Issued by: S. W. Connally, Jr.

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

	DANIEL 1	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Total
1.	EAF (%)	97.7	97.7	97.8	73.5	73.0	83.5	92.9
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	2.3	2.3	2.2	26.5	27.0	16.5	7.1
4.	EUOR (%)	2.3	2.3	2.3	47.6	58.4	50.6	11.2
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8784.0
6.	SH	727.0	718.0	694.0	217.0	139.0	120.0	4920.0
7.	RSH	0.0	9.0	10.0	330.0	387.0	501.0	3246.0
8.	UH	17.0	17.0	16.0	197.0	195.0	123.0	618.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	17.0	17.0	16.0	5.0	3.0	3.0	119.0
11.	MOH & EMOH	0.0	0.0	0.0	192.0	192.0	120.0	504.0
12.	Oper MBtu	2344971	2343821	1845015	499410	282424	310501	13459840
13.	Net Gen (MWH)	224163.2	224267.6	173273.4	42904.6	25693.6	29078.6	1258188.8
14.	ANOHR (Btu/KWH)	10461.0	10451.0	10648.0	11640.0	10992.0	10678.0	10698.0
15.	NOF %	60.5	61.2	49.0	38.8	36.2	47.5	50.1
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	510.0

19.	ANOHR Equation	10^6 / AKW * [245.04 + 91.84 * MAY + 145.07 * OCT] + 9,666

Issued by: S. W. Connally, Jr.

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

	DANIEL 2	Jan '16	Feb '16	Mar '16	Apr '16	May '16	Jun '16	
1.	EAF (%)	86.4	71.8	99.1	98.3	98.4	98.1	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	13.6	28.2	0.9	1.7	1.6	1.9	
4.	EUOR (%)	30.1	51.4	2.2	2.4	2.3	2.3	
5.	PH	744.0	696.0	743.0	720.0	744.0	720.0	
6.	SH	234.0	185.0	307.0	498.0	513.0	585.0	
7.	RSH	409.0	315.0	429.0	210.0	219.0	121.0	
8.	UH	101.0	196.0	7.0	12.0	12.0	14.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	5.0	4.0	7.0	12.0	12.0	14.0	
11.	MOH & EMOH	96.0	192.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	673977	445504	661607	1160079	1283254	1816961	
13.	Net Gen (MWH)	64421.4	42841.0	58420.0	104956.0	115379.8	170911.6	
14.	ANOHR (Btu/KWH)	10462.0	10399.0	11325.0	11053.0	11122.0	10631.0	
15.	NOF %	54.0	45.4	37.3	41.3	44.1	57.3	
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	

19.	ANOHR Equation	10^6 / AKW * [532.09 - 98.87 * FEB + 51.13 * MAY + 82.11 * JUN - 83.00 * NOV] + 8,529

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

	DANIEL 2	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Total
1.	EAF (%)	98.0	97.7	97.8	98.3	98.6	99.3	95.2
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	2.0	2.3	2.2	1.7	1.4	0.7	4.8
4.	EUOR (%)	2.3	2.3	2.3	2.2	2.3	2.3	7.0
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8784.0
6.	SH	643.0	715.0	695.0	566.0	427.0	212.0	5580.0
7.	RSH	86.0	12.0	9.0	165.0	284.0	527.0	2786.0
8.	UH	15.0	17.0	16.0	13.0	10.0	5.0	418.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	15.0	17.0	16.0	13.0	10.0	5.0	130.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	288.0
12.	Oper MBtu	2141885	2323769	1938454	1367222	920270	537066	15270048
13.	Net Gen (MWH)	211023.2	227865.2	183914.0	124986.0	85415.8	49746.8	1439880.8
14.	ANOHR (Btu/KWH)	10150.0	10198.0	10540.0	10939.0	10774.0	10796.0	10605.0
15.	NOF %	64.4	62.5	51.9	43.3	39.2	46.0	50.6
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	510.0

19.	ANOHR Equation	10^6 / AKW * [532.09 - 98.87 * FEB + 51.13 * MAY + 82.11 * JUN - 83.00 * NOV] + 8,529

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

	SMITH 3	Jan '16	Feb '16	Mar '16	Apr '16	May '16	Jun '16	
1.	EAF (%)	83.3	99.3	99.3	96.1	69.8	99.3	
2.	POF (%)	0.0	0.0	0.0	3.3	25.8	0.0	
3.	EUOF (%)	16.7	0.7	0.7	0.6	4.4	0.7	
4.	EUOR (%)	16.7	0.7	0.7	0.6	6.0	0.7	
5.	PH	744.0	696.0	743.0	720.0	744.0	720.0	
6.	SH	620.0	684.0	729.0	692.0	519.0	715.0	
7.	RSH	0.0	7.0	9.0	0.0	0.0	0.0	
8.	UH	124.0	5.0	5.0	28.0	225.0	5.0	
9.	POH	0.0	0.0	0.0	24.0	192.0	0.0	
10.	FOH & EFOH	4.0	5.0	5.0	4.0	33.0	5.0	
11.	MOH & EMOH	120.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	2055086	2311827	2528254	2302350	1721619	2319478	
13.	Net Gen (MWH)	299226.3	336951.9	368980.4	335326.2	250709.1	337378.6	
14.	ANOHR (Btu/KWH)	6868.0	6861.0	6852.0	6866.0	6867.0	6875.0	
15.	NOF %	82.6	84.4	90.8	86.9	83.1	84.9	
16.	NPC (MW)	584.0	584.0	557.4	557.4	581.4	556.0	
19.	ANOHR Equation	10^6 / AKW * [161.14 + 33.85 * JUL] + 6,534						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

	SMITH 3	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Total
1.	EAF (%)	99.3	99.3	53.1	2.2	99.3	99.3	83.2
2.	POF (%)	0.0	0.0	46.7	96.8	0.0	0.0	14.5
3.	EUOF (%)	0.7	0.7	0.2	1.0	0.7	0.7	2.3
4.	EUOR (%)	0.7	0.7	0.5	33.3	0.7	0.7	2.8
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8784.0
6.	SH	739.0	727.0	382.0	16.0	716.0	739.0	7278.0
7.	RSH	0.0	12.0	0.0	0.0	0.0	0.0	28.0
8.	UH	5.0	5.0	338.0	728.0	5.0	5.0	1478.0
9.	POH	0.0	0.0	336.0	720.0	0.0	0.0	1272.0
10.	FOH & EFOH	5.0	5.0	2.0	0.0	5.0	5.0	78.0
11.	MOH & EMOH	0.0	0.0	0.0	8.0	0.0	0.0	128.0
12.	Oper MBtu	2485475	2415105	1199085	47266	2355382	2485264	24226191
13.	Net Gen (MWH)	358344.2	351697.2	174108.5	6839.2	342850.4	362125.0	3524537.0
14.	ANOHR (Btu/KWH)	6936.0	6867.0	6887.0	6911.0	6870.0	6863.0	6874.0
15.	NOF %	87.2	87.0	82.0	76.7	85.9	83.9	85.6
16.	NPC (MW)	556.0	556.0	556.0	557.4	557.4	584.0	565.6
19.	ANOHR Equation	10^6 / AKW * [161.14 + 33.85 * JUL] + 6,534						

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Planned Outage Schedules (Estimated)

Gulf Power Company

Period of: January 2016 - December 2016

Plant & Unit	Planned Outage Dates			Reason for Outage
Crist 7	10/01/16	-	11/20/16	General boiler maintenance.
Smith 3	04/30/16	-	05/08/16	Borescope Inspection
Smith 3	09/17/16	-	10/30/16	Steam turbine outage.

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Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: January 2016 - December 2016

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 2016 - December 2016, the outages shown below are currently planned and could be rescheduled for the target period.

Plant & Unit	Planned Outage Dates	Reason for Outage

None

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: **Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor**	)))	Docket No.: **150001-EI**

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the foregoing was furnished by electronic mail this 1st day of September, 2015 to the following:

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