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GULF POWER
A SOUTHERN COMPANY

September 1, 2016

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

RE: Docket No. 160001-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.
Regulatory and Pricing Manager

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Attachments

cc: Florida Public Service Commission
Danijela Janjic, 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.: 160001-EI Filed: September 1, 2016

PETITION OF GULF POWER COMPANY FOR APPROVAL OF FINAL FUEL COST TRUE-UP AMOUNTS FOR JANUARY 2015 THROUGH DECEMBER 2015; FINAL GPIF ADJUSTMENT FOR JANUARY 2015 THROUGH DECEMBER 2015; ESTIMATED FUEL COST TRUE-UP AMOUNTS FOR JANUARY 2016 THROUGH DECEMBER 2016; PROJECTED FUEL COST RECOVERY AMOUNTS FOR JANUARY 2017 THROUGH DECEMBER 2017; FINAL PURCHASED POWER CAPACITY COST TRUE-UP AMOUNTS FOR JANUARY 2015 THROUGH DECEMBER 2015; ESTIMATED PURCHASED POWER CAPACITY COST TRUE-UP AMOUNTS FOR JANUARY 2016 THROUGH DECEMBER 2016; PROJECTED PURCHASED POWER CAPACITY COST RECOVERY AMOUNTS FOR JANUARY 2017 THROUGH DECEMBER 2017; ESTIMATED AS-AVAILABLE AVOIDED ENERGY COSTS; GPIF TARGETS AND RANGES FOR JANUARY 2017 THROUGH DECEMBER 2017; FINANCIAL HEDGING ACTIVITIES AND SETTLEMENTS FOR AUGUST 2015 THROUGH JULY 2016; GULF POWER COMPANY'S RISK MANAGEMENT PLAN FOR FUEL PROCUREMENT; FUEL COST RECOVERY FACTORS TO BE APPLIED BEGINNING WITH THE PERIOD JANUARY 2017 THROUGH DECEMBER 2017; AND CAPACITY COST RECOVERY FACTORS TO BE APPLIED BEGINNING WITH THE PERIOD JANUARY 2017 THROUGH DECEMBER 2017

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 2015 through December 2015; (b) final GPIF adjustment; (c) estimated fuel cost true-up amounts for the period January 2016 through December 2016; (d) projected fuel cost recovery amounts for the period January 2017 through December 2017; (e) final purchased power capacity cost true-up amounts for the period January 2015 through December 2015; (f) estimated purchased power capacity cost true-up amounts for the period January 2016 through December 2015; (g) projected purchased power capacity cost recovery amounts for the period January 2017 through December 2017; (h) estimated as-available avoided energy costs for qualifying facilities (QF’s); (i) GPIF targets and ranges for January 2017 through December 2017; (j) financial hedging activities and settlements for August 2015 through July 2016; (k) Gulf Power Company’s Risk Management Plan; (l) fuel cost recovery factors to be applied beginning with the period January 2017 through December 2017; and (m) capacity cost recovery factors to be applied beginning with the period January 2017 through December 2017.

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

FINAL FUEL ADJUSTMENT TRUE-UP

(1) By vote of the Commission at the November 2015 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, 2015, the actual fuel true-up amount for the subject twelve months should be an over recovery of

$9,961,267 instead of the estimated over recovery of $11,285,334 as approved previously by this Commission. The difference between these two amounts, $1,324,066, is submitted for approval by the Commission to be collected in the next period. The supporting data has been prepared in accordance with the uniform system of accounts as applicable to the Company's fuel cost procedures and fairly presents the Company's fuel and purchased energy expenses for the period. Amounts spent by the Company for fuel and purchased energy are reasonable and prudent, and the Company makes every effort to secure the most favorable price for all of the fuel it purchases and for its energy purchases.

GPIF ADJUSTMENT

(2) On March 16, 2016, Gulf filed the testimony and exhibit of C. L. Nicholson containing the Company's actual operating results for the period January 2015 through December 2015. Based on the actual operating results for the period January 2015 through December 2015, Gulf should receive a penalty in the amount of $45,708. 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 2016 through December 2016. 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 2016 through December 2016) is an over recovery of $27,383,731. 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 2015 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, $26,059,665, during the period of January 2017 through December 2017.

PROJECTED FUEL COST RECOVERY AMOUNTS

(4) Gulf has calculated its projected fuel cost recovery amounts for the months January 2017 through December 2017 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 November 2015 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 2015, the final purchased power capacity cost true-up amount for the subject twelve months should be an actual under recovery of $54,861, instead of the estimated over recovery of $910,906 as approved previously by this Commission. The difference between these two amounts, $965,767, 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 customers.

ESTIMATED PURCHASED POWER CAPACITY COST TRUE-UP

(6) Gulf has calculated its estimated purchased power capacity cost true-up amount for the period January 2016 through December 2016. 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 $149,231. 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 2015 to reach the total capacity cost true-up to be addressed in the factors for the next cost recovery period. The proposed capacity cost recovery factors reflect the collection of this total capacity cost true-up amount, $816,536, during the period of January 2017 through December 2017.

PROJECTED PURCHASED POWER CAPACITY COST RECOVERY AMOUNTS

(7) Gulf has calculated its projected purchased power capacity cost recovery amounts for the months January 2017 through December 2017 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 $84,407,518

projected for the period January 2017 through December 2017.

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 2017 through December 2017. 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 2017 through December 2017. 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 2017 through December 2017 are:

Unit	EAF	Heat Rate
Crist 7	96.0	10,470
Daniel 1	90.5	10,539
Daniel 2	75.7	10,468
Scherer 3	79.0	10,878
Smith 3	93.1	6,920
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 2, 2016, the Hedging Information Report filed on April 6, 2016, and the Hedging Information Report filed on August 18, 2016, Gulf experienced a net loss of $61,519,439 associated with its natural gas hedging transactions effected between August 1, 2015 and July 31, 2016 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, 2015 through July 31, 2016 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, 2016.

FUEL COST RECOVERY FACTORS

(12) The proposed levelized fuel and purchased energy cost recovery factor, including GPIF and True-Up, herein requested is 3.139 ¢/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	3.163	3.806	2.897
B	LP, LPT, SBS	0.98353	3.087	3.715	2.828
C	PX, PXT, RTP, SBS	0.96591	3.032	3.648	2.777
D	OSI/II	1.00777	3.125	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	0.888
GS	0.811
GSD, GSDT, GSTOU	0.708
LP, LPT	2.97 ($/kW)
PX, PXT, RTP, SBS	0.585
OS-I/II	0.174
OSIII	0.537

WHEREFORE, Gulf Power Company respectfully requests the Commission to approve the final fuel adjustment true-up for the period January 2015 through December 2015; the GPIF adjustment for the period January 2015 through December 2015; the estimated fuel cost true-up for the period January 2016 through December 2016; the projected fuel cost recovery amount for the period January 2017 through December 2017; the final purchased power capacity cost true-up amount for the period January 2015 through December 2015; the estimated purchased power capacity cost recovery true-up amount for the period January 2016 through December 2016; the projected purchased power capacity cost recovery amount for the period January 2017 through December 2017; the estimated as-available avoided energy costs for QF's; the GPIF targets and ranges for the period January 2017 through December 2017; the financial hedging activities and settlements for the period August 2015 through July 2016; Gulf Power Company's Risk Management Plan for Fuel Procurement; the fuel cost recovery factors to be applied beginning with the period January 2017 through December 2017; and the capacity cost recovery factors to be applied beginning with the period January 2017 through December 2017.

Dated the 1st day of September, 2016.

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

FUEL AND PURCHASED POWER COST RECOVERY CLAUSE

Docket No. 160001-EI

PREPARED DIRECT TESTIMONY AND EXHIBITS OF

H. R. Ball

PROJECTION FILING FOR THE PERIOD

JANUARY 2017 – DECEMBER 2017

Date of Filing: September 1, 2016

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. 160001-EI
Date of Filing: September 1, 2016

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, 2017 through December 31, 2017. 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 6, 2016

and assigned Document Number DN 01828-16 (redacted) and 01826-16 (confidential information). This exhibit details Gulf Power's natural gas hedging transactions for August through December 2015 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 18, 2016 and assigned Document Number DN 06821-16 (redacted) and DN 06820-16 (confidential information). This exhibit details Gulf Power's natural gas hedging transactions for January through July 2016 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, 2016 and assigned Document Number DN 05874-16 (redacted) and 05871-16 (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 2017 through December 2017 recovery period?

A. Gulf's projected total fuel and net power transaction cost for the period is $382,697,416. 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 2017 period compare to the updated projection of fuel cost for the same period in 2016?

A. The total updated cost of fuel and net power transactions for 2016, reflected on Schedule E-1B-1 line 14 of Witness Boyett's testimony filed in this docket on August 4, 2016, is projected to be $397,474,096. The projected total cost of fuel and net power transactions for the 2017 period reflects a decrease of $14,776,680 or 3.72% less than the same period in 2016. On a fuel cost per kWh basis, the 2016 projected cost is 3.3330 cents per kWh and the 2017 projected fuel cost is 3.1931 cents per kWh, a decrease of 0.1399 cents per kWh or 4.20%.

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 2017 is $274,577,416. The projection of fuel cost of system generated power for 2017 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 2017 period compare to the updated projection of fuel cost for the same period in 2016?

A. The total updated cost of fuel to meet 2016 system generated power needs, reflected on Schedule E-1B-1, line 4 of Witness Boyett's testimony filed in this docket on August 4, 2016, is projected to be $267,852,395. The projected total cost of fuel to meet system net generation needs for the 2017 period reflects an increase of $6,725,021 or 2.51% greater than the same period in 2016. Total system net generation in 2017 is projected to be 9,352,830,000 kWh, which is 2,493,306,000 kWh or 36.35% greater than is currently projected for 2016. The higher projected total fuel expense is the result of a higher projected cost of coal, due primarily to the inclusion of Scherer Unit 3 coal cost for the period (which is serving Gulf's native load customers during the 2017 period), offset somewhat by a lower cost of natural gas (includes estimated hedging settlement costs). On a fuel cost per kWh basis, the 2016 projected cost is 3.9048 cents per kWh and the 2017 projected fuel cost is 2.9358 cents per kWh, a decrease of 0.9690 cents per kWh or 24.82%. The lower average per unit fuel cost is the result of both lower coal and gas fired generation cost (cents/kWh) for the 2017 period. Weighted average coal

burned price including boiler lighter fuel for 2016 as reflected on Schedule E-3, line 32 of Witness Boyett's testimony filed in this docket on August 4, 2016, is projected to be $3.43 per MMBtu. Weighted average coal burned price including boiler lighter fuel for 2017, as reflected on Schedule E-3, line 32 of the exhibit to Witness Boyett's testimony, is projected to be $2.69 per MMBtu. This reflects a cost decrease of $0.74 per MMBtu or 21.57%. The cost decrease is due to inclusion of Scherer Unit 3, which utilizes a lower cost PRB coal supply, combined with coal supply contracts that have or will expire by the end of 2016 being replaced with lower priced coal supply agreements in 2017. 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 2017 projected coal burn needs. The remaining coal supply needs will be purchased on the spot market. Weighted average natural gas price for 2016, as reflected on Schedule E-3, line 33 of the exhibit to Witness Boyett's testimony filed in this docket on August 4, 2016, is projected to be $3.38 per MMBtu. When the cost of natural gas hedging settlements (Schedule E-1B-1, line 1a) is included in the total delivered gas cost, the 2016 projected cost is $4.34 per MMBtu. Weighted average natural gas price for 2017, as reflected on Schedule E-3, line 33 of the exhibit to Witness Boyett's testimony, is projected to be $3.95 per MMBtu. This is a decrease in price of $0.39 per MMBtu or 8.99%. 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 3.26 cents per kWh and the projected fuel cost of Gulf's gas fired generation is 2.74 cents per kWh for the 2017 period. The generation mix in 2016, 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, 2016, is projected to be 46.91% coal and 52.71% gas. The generation mix in 2017, as reflected on Schedule E-3, lines 23 and 24 of the exhibit to Witness Boyett's testimony, is projected to be 56.13% coal and 43.61% gas. The projected cost of landfill gas to supply the Perdido Landfill Gas to Energy Facility in the 2016 projection period is $753,445 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, 2016, is projected to be 3.13 cents per kWh. The total projected cost for landfill gas in 2017 is $774,446 and the total facility generation is projected to be 24,719,000 kWh. The average rate, as reflected on Schedule E-3, line 42 of the exhibit to Witness Boyett's testimony, is projected to be 3.13 cents per kWh.

Q. Does the 2017 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 2016 through July 2016?

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 6, 2016 and also on August 18, 2016 detailing its natural gas hedging transactions for August 2015 through July 2016. 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 2016 through 2017?

A. Yes. Gulf has natural gas financial hedges in place for 2016 to adequately mitigate price risk. Gulf currently has natural gas hedges in place for 2017 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 2017 period?

A. Gulf's projected recoverable fuel cost and gains on power sales is $105,784,000. 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 2017 period compare to the projected recoverable fuel cost and gains on power sales for the same period in 2016?

A. The total updated recoverable fuel cost and gains on power sales in 2016, reflected on Schedule E-1B-1, line 12 of Witness Boyett's testimony filed in this docket on August 4, 2016, is projected to be $52,761,085. The projected recoverable fuel cost and gains on power sales in 2017 represents an increase of $53,022,915 or 100.50%. Total quantity of power sales in 2017 is

projected to be 4,155,001,000 kWh, which is 222,830,573 kWh or 5.67% greater than currently projected for 2016. On a fuel cost per kWh basis, the 2016 projected cost is 1.3418 cents per kWh and the 2017 projected fuel cost is 2.5459 cents per kWh, which is an increase of 1.2041 cents per kWh or 89.74%. 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 combined with an increased 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 $213,904,000. 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 2017 period compare to the projected purchased power cost for the same period in 2016?

A. The total updated cost of purchased power to meet 2016 system needs, reflected on Schedule E-1B-1, line 7 of Witness Boyett's testimony filed in this docket on August 4, 2016, is projected to be $182,382,786. The projected cost of purchased power to meet system needs in 2017 is $31,521,214 or 17.28% higher than is currently projected for 2016. The total quantity of

purchased power in 2017 is projected to be 6,787,282,000 kWh, which is 2,210,767,927 kWh or 24.57% lower than is currently projected for 2016. On a fuel cost per kWh basis, the 2016 projected cost is 2.0269 cents per kWh and the 2017 projected fuel cost is 3.1515 cents per kWh, which represents an increase of 1.1246 cents per kWh or 55.48%.

Q. What is Gulf's projected recoverable capacity payments for the 2017 cost recovery period?

A. The total recoverable capacity payments for the period are $84,407,518. 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 2017 projection of capacity cost is revenue produced by a market-based agreements between the Southern electric system operating companies and South Carolina Electric & Gas and South Carolina PSA. The total capacity cost of $86,064,527 is shown on Schedule CCE-4, line 15 in the exhibit to Witness Boyett's testimony. The total capacity cost included on Schedule CCE-4 line 14 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 $138,000 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 2017 period compare to the current estimated net jurisdictional capacity payments for the same period in 2016?

A. Gulf's 2017 Projected Jurisdictional Capacity Payments, found in the exhibit to Witness Boyett's testimony, Schedule CCE-1, line 6, are $83,530,252. This amount is $1,248,212 or 1.47% less than the current estimate of $84,778,464 (Schedule CCE-1B, line 6) for 2016 that was filed in Mr. Boyett's actual/estimated true-up testimony in this docket on August 4, 2016. The projected capacity payment decrease is the result of a decrease in Gulf's estimated PPA related 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. 160001-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
Fuel Services Manager

Sworn to and subscribed before me this 31st day of August, 2016.

Notary Public, State of Florida at Large

MELISSA DARNES
MY COMMISSION # FF 912698
EXPIRES: December 17, 2019
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 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	3.5856	3.4415	4.02
December 2016	3.1072[(2)]		
December 2017	2.9344[(3)]		

(1) Line No. 1 from FPSC Schedule A-1, December, Period To Date
(2) Line No. 1 from FPSC Schedule E-1B-1, 2016 Actual / Estimated True-Up
(3) Line No. 1 from FPSC Schedule E-1, 2017 Projection Filing

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

Docket No. 160001-EI

Prepared Direct Testimony of
C. Shane Boyett

Date of Filing: September 1, 2016

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. 160001-EI
Date of Filing: September 1, 2016

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 2017 through December 2017. I will also discuss the calculation of the purchased power capacity cost recovery factors for the period January 2017 through December 2017.

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. Have you verified that to the best of your knowledge and belief, the information contained in these documents is correct?

A. Yes, I have.

Q. Mr. Boyett, what is the levelized projected fuel factor for the period January 2017 through December 2017?

A. Gulf has proposed a levelized fuel factor of 3.139¢/kWh. This factor is based on projected fuel and purchased power energy expenses for January 2017 through December 2017 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 0.511¢/kWh less or 14 percent lower than the levelized fuel factor in place January through December 2016.

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 2017 through December 2017.

A. As shown on Schedule E-1A of my exhibit, the total true-up amount of $26,059,665 includes an estimated over-recovery for the January through December 2016 period of $27,383,731 plus a final under-recovery for the period January through December 2015 of $1,324,066. The estimated over-recovery for the January through December 2016 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 2015 through December 2015?

A. The GPIF result shown on Line 31 of Schedule E-1 is a decrease of 0.0004¢/kWh to the levelized fuel factor, thereby penalizing Gulf $45,708.

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 3.163¢/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 2017 through December 2017. 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 2016 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 2016 is 3.678¢/kWh compared with the proposed factor of 3.163¢/kWh. For a residential customer who is billed for 1,000 kWh in January 2017, the fuel portion of the bill would decrease from $36.78 to $31.63.

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 2017 through December 2018.

Q. Has Gulf recalculated the monthly bill credit for participants of its Community Solar Pilot Program for the period January through December 2017 as required by Order No. PSC-16-0119-TRF-EG issued March 21, 2016, in Docket No. 150248-EG?

A. Yes. The monthly bill credit amount of $1.80 for the period January through December 2017 was calculated using the 2017 projected solar-weighted average annual avoided energy cost of 2.9 cents per kWh.

Q. What amount have you calculated to be the appropriate benchmark level for calendar year 2017 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 $802,125 has been calculated for 2016 as follows:

2014 actual gains	1,319,633
2015 actual gains	596,791
2016 estimated gains	489,951
Three-Year Average	$ 802,125

This amount represents the minimum projected threshold for 2017 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 2017.

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 2017 through December 2017.

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 2017 through December 2017, is $85,926,527. The jurisdictional amount is $83,530,252. 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 within the retail jurisdiction based on the 12-MCP and 1/13th energy allocator. 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 demand allocation factors used in the PPCC Recovery Clause have been calculated using the 2015 Cost of Service Load Research Study

results filed with the Commission in accordance with Rule 25-6.0437, F.A.C. The energy allocation factors were calculated based on projected kWh sales for the period adjusted for losses. 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 $8.88.

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 2017 and continuing through the last billing cycle of December 2017.

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

A. Yes.

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 160001-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, 2016.

Melissa Darnes

Notary Public, State of Florida at Large

MELISSA DARNES
MY COMMISSION # FF 912698
EXPIRES: December 17, 2019
Bonded Thru Budget Notary Services

SCHEDULE E-1

FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
GULF POWER COMPANY
PROPOSED FOR THE PERIOD: JANUARY 2017 - DECEMBER 2017

Line				$	kWh	¢ / kWh
1	Fuel Cost of System Net Generation		E-3	272,062,919	9,271,402,000	2.9344
2	Coal Car Investment			0		
3	Other Generation		E-3	2,514,497	81,428,000	3.0880
4	Hedging Settlement		E-2	0	0	N/A
5	**Total Cost of Generated Power**	(Line 1 - 4)		274,577,416	9,352,830,000	2.9358
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	209,644,000	6,628,400,000	3.1628
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	4,260,000	158,882,000	2.6812
12	**Total Cost of Purchased Power**	(Line 6 - 11)		213,904,000	6,787,282,000	3.1515
13	**Total Available kWh**	(Line 5 + 12)			16,140,112,000	
14	Fuel Cost of Economy Sales		E-6	(3,113,000)	(136,467,000)	2.2811
15	Gain on Economy Sales		E-6	(557,000)	0	N/A
16	Fuel Cost of Other Power Sales		E-6	(102,114,000)	(4,018,534,000)	2.5411
17	**Total Fuel Cost & Gains on Power Sales**	(Line 14 -16)		(105,784,000)	(4,155,001,000)	2.5459
18	Net Inadvertant Interchange					
19	**Total Fuel & Net Power Trans.**	(Line 5+12+17+18)		382,697,416	11,985,111,000	3.1931
20	Net Unbilled Sales *					
21	Company Use *			660,908	20,698,000	3.1931
22	T & D Losses *			19,235,107	602,396,000	3.1931
23	**System kWh Sales**			382,697,416	11,362,017,000	3.3682
24	Wholesale kWh Sales			11,434,770	339,492,000	3.3682
25	Jurisdictional kWh Sales			371,262,646	11,022,525,000	3.3682
25a	Jurisdictional Line Loss Multiplier			1.0015		1.0015
26	Jurisdictional kWh Sales Adjusted for Line Losses			371,819,540	11,022,525,000	3.3733
27	**True-Up ****			(26,059,665)	11,022,525,000	(0.2364)
28	**Total Jurisdictional Fuel Cost**			345,759,875	11,022,525,000	3.1369
29	Revenue Tax Factor					1.00072
30	Fuel Factor Adjusted For Revenue Taxes			346,008,822	11,022,525,000	3.1391
31	GPIF Reward/(Penalty) **			(45,708)	11,022,525,000	(0.0004)
32	Fuel Factor Adjusted for GPIF			345,963,114	11,022,525,000	3.1387
33	**Fuel Factor Rounded to Nearest .001(¢ / kWh)**					**3.139**

*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 2017 - DECEMBER 2017

1.	Estimated over/(under)-recovery, January 2016 - December 2016 (Schedule E-1B, page 2, line C9)	$27,383,731
2.	Final over/(under)-recovery, January 2015 - December 2015 (Exhibit CSB-1, Schedule 1, Line 3)	($1,324,066)
3.	Total over/(under)-recovery (Lines 1 + 2) To be included in January 2017 - December 2017 (Schedule E1, Line 27)	26,059,665
4.	Jurisdictional kWh sales For the period: January 2017 - December 2017	11,022,525,000
5.	True-up Factor (Line 3 / Line 4) x 100 (¢ / kWh)	(0.2364)

CALCULATION OF ESTIMATED TRUE-UP
GULF POWER COMPANY
ACTUAL FOR THE PERIOD JANUARY 2016 - JUNE 2016 / ESTIMATED FOR JULY 2016 - DECEMBER 2016

			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	21,899,067.00	15,153,243.00	6,888,569.00	15,179,780.00	15,949,057.00	30,181,393.00	$105,251,108.43
	1a	Fuel Cost of Hedging Settlement	5,195,191.00	6,107,019.00	6,681,995.00	5,239,140.00	5,718,593.00	4,737,258.00	$33,679,196.00
	2	Fuel Cost of Power Sold	(8,649,415.54)	(4,530,225.28)	(5,754,573.44)	(3,381,847.31)	(2,416,103.49)	(7,245,919.54)	($31,978,085.20)
	3	Fuel Cost of Purchased Power	14,620,878.25	11,022,035.97	14,450,553.38	10,180,007.70	14,011,811.53	16,141,784.21	$80,427,071.04
	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	574,810.71	377,155.48	345,590.67	456,594.55	517,022.76	632,540.33	$2,903,714.50
	4	Energy Cost of Economy Purchases	0.00	0.00	0.00	0.00	0.00	0.00	$0.00
	5	Other Generation	197,027.00	143,006.00	173,299.00	175,595.00	182,292.00	192,072.00	$1,063,291.49
	6	Adjustments to Fuel Cost	0.00	4.77	11.37	2.78	7.56	19.95	$46.43
	7	TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Thru A6)	33,837,558.87	28,272,239.45	22,785,444.68	27,849,272.68	33,962,680.05	44,639,147.56	$191,346,343.29
B	1	Jurisdictional KWH Sales	891,087,234	756,584,301	765,402,935	752,614,350	953,141,310	1,105,160,254	5,223,990,384
	2	Non-Jurisdictional KWH Sales	27,628,571	23,343,210	21,801,748	21,366,561	25,996,698	30,120,479	150,257,267
	3	TOTAL SALES (Lines B1 + B2)	918,715,805	779,927,511	787,204,683	773,980,911	979,138,008	1,135,280,733	$5,374,247,651.00
	4	Jurisdictional % of Total Sales (Line B1/B3)	96.9927%	97.0070%	97.2305%	97.2394%	97.3449%	97.3469%	
C	1	Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes) **(1)**	31,733,646.00	26,696,738.00	27,092,412.00	26,701,932.00	33,711,744.00	41,860,632.00	$187,797,104.47
	2	True-Up Provision	1,614,173.00	1,614,174.00	1,614,174.00	1,614,174.00	1,614,174.00	1,614,174.00	$9,685,043.00
	2a	Incentive Provision	(220,533.00)	(220,534.00)	(220,534.00)	(220,534.00)	(220,534.00)	(220,534.00)	($1,323,203.00)
	3	FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Thru C2a)	33,127,286.14	28,090,378.31	28,486,052.25	28,095,571.64	35,105,383.78	43,254,272.35	$196,158,944.47
	4	Fuel & Net Power Transactions (Line A7)	33,837,559.00	28,272,239.00	22,785,445.00	27,849,273.00	33,962,680.00	44,639,148.00	$191,346,343.29
	5	Jurisdictional Fuel Cost Adj. for Line Losses (Line A7 x Line B4 x 1.0015)	32,869,192.00	27,467,190.00	22,187,633.00	27,121,086.00	33,110,528.00	43,520,009.00	$186,275,638.98
	6	Over/(Under) Recovery (Line C3-C5)	258,094.23	623,187.91	6,298,418.86	974,485.28	1,994,855.44	(265,736.23)	$9,883,305.49
	7	Interest Provision	5,783.54	5,540.48	6,449.19	6,501.73	5,805.64	5,894.66	$35,975.24
	8	Adjustments **(2)**	0.00	0.00	(75,803.69)	0.00	0.00	0.00	($75,803.69)
	9	**TOTAL ESTIMATED TRUE-UP FOR THE PERIOD JANUARY 2016 - JUNE 2016**							$9,843,477.04

* (Gain)/Loss on sales of natural gas

Notes 1: Projected Revenues based on the current approved 2016 Fuel Factor excluding revenue taxes of: 3.6474 ¢/kWh
2: Audit finding adjustment
3: January - June Scherer adjustment

CALCULATION OF ESTIMATED TRUE-UP
GULF POWER COMPANY
ACTUAL FOR THE PERIOD JANUARY 2016 - JUNE 2016 / ESTIMATED FOR JULY 2016 - DECEMBER 2016

			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		26,930,726.00	26,849,391.00	18,355,096.00	7,425,546.00	10,953,889.00	14,987,697.00	$210,753,453.43
	1a Fuel Cost of Hedging Settlement		3,983,180.00	4,055,860.00	3,983,814.00	3,719,065.00	3,017,580.00	2,287,103.00	$54,725,798.00
	2 Fuel Cost of Power Sold		(6,522,000.00)	(7,059,000.00)	(3,174,000.00)	(616,000.00)	(497,000.00)	(2,915,000.00)	($52,761,085.20)
	3 Fuel Cost of Purchased Power		16,165,000.00	15,910,000.00	16,947,000.00	20,415,000.00	13,419,000.00	14,046,000.00	$177,329,071.04
	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		346,000.00	346,000.00	346,000.00	402,000.00	355,000.00	355,000.00	$5,053,714.50
	4 Energy Cost of Economy Purchases		0.00	0.00	0.00	0.00	0.00	0.00	$0.00
	5 Other Generation		264,703.00	264,703.00	256,180.00	176,634.00	170,952.00	176,634.00	$2,373,097.49
	6 Adjustments to Fuel Cost *		0.00	0.00	0.00	0.00	0.00	0.00	$46.43
	7 TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Thru A6)		41,167,609.00	40,366,954.00	36,714,090.00	31,522,245.00	27,419,421.00	28,937,434.00	$397,474,095.69
B	1 Jurisdictional KWH Sales		1,179,840,000	1,166,950,000	1,021,925,000	839,139,000	734,554,000	826,023,000	10,992,421,384
	2 Non-Jurisdictional KWH Sales		33,527,000	33,627,000	29,508,000	25,237,000	23,805,000	28,101,000	324,062,267
	3 TOTAL SALES (Lines B1 + B2)		1,213,367,000	1,200,577,000	1,051,433,000	864,376,000	758,359,000	854,124,000	11,316,483,651
	4 Jurisdictional % Of Total Sales (Line B1/B3)		97.2369%	97.1991%	97.1935%	97.0803%	96.8610%	96.7100%	
C	1 Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	(1)	43,033,176.11	42,563,029.62	37,273,425.63	30,606,536.79	26,791,930.81	30,128,147.23	$398,193,351
	2 True-Up Provision		1,614,174.00	1,614,174.00	1,614,174.00	1,614,174.00	1,614,174.00	1,614,174.00	$19,370,087
	2a Incentive Provision		(220,534.00)	(220,534.00)	(220,534.00)	(220,534.00)	(220,534.00)	(220,534.00)	($2,646,407)
	3 FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Thru C2a)		44,426,816.11	43,956,669.62	38,667,065.63	32,000,176.79	28,185,570.81	31,521,787.23	$414,917,030.67
	4 Fuel & Net Power Transactions (Line A7)		41,167,609.00	40,366,954.00	36,714,090.00	31,522,245.00	27,419,421.00	28,937,434.00	$397,474,096
	5 Jurisdictional Fuel Cost Adj. for Line Losses (Line A7 x Line B4 x 1.0015)		40,090,151.96	39,295,170.46	35,737,234.63	30,647,792.85	26,598,563.46	28,027,370.51	$386,671,923
	6 Over/(Under) Recovery (Line C3-C5)		4,336,664.15	4,661,499.16	2,929,831.00	1,352,383.94	1,587,007.35	3,494,416.72	$28,245,108
	7 Interest Provision		6,202.33	7,118.81	7,812.60	7,982.11	7,938.84	7,960.37	$80,990
	8 Adjustments (3)	(3)	0.00	0.00	0.00	0.00	0.00	(866,563.19)	($942,367)
	9 **TOTAL ESTIMATED TRUE-UP FOR THE PERIOD JANUARY 2016 - DECEMBER 2016**								$27,383,731.23

* (Gain)/Loss on sales of natural gas

Notes 1: Projected Revenues based on the current approved 2016 Fuel Factor excluding revenue taxes of: 3.6474 ¢/kWh
2: Audit finding adjustment
3: January - June Scherer adjustment

SCHEDULE E-1B-1

COMPARISON OF ESTIMATED/ACTUAL VERSUS ORIGINAL PROJECTIONS
OF THE FUEL AND PURCHASED POWER COST RECOVERY FACTOR
GULF POWER COMPANY
ACTUAL FOR THE PERIOD JANUARY 2016 - JUNE 2016 / ESTIMATED FOR JULY 2016 - DECEMBER 2016

	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 (1)	210,753,453	286,397,897	(75,644,444)	(26.41)	6,782,674,000	8,146,827,000	(1,364,153,000)	(16.74)	3.1072	3.5155	(0.4083)	(11.61)
1a Fuel Cost of Hedging Settlement	54,725,798	0	54,725,798	100.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
2 Other Generation	2,373,097	2,857,236	(484,139)	(16.94)	76,850,000	81,612,000	(4,762,000)	(5.83)	3.0880	3.5010	(0.4130)	(11.80)
3 Adjustments to Fuel Cost ***	46	0	46	100.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
4 TOTAL COST OF GENERATED POWER	267,852,395	289,255,133	(21,402,738)	(7.40)	6,859,524,000	8,228,439,000	(1,368,915,000)	(16.64)	3.9048	3.5153	0.3895	11.08
5 Energy Cost of Other Economy Purchases (Nonbroker)	177,329,071	223,394,000	(46,064,929)	(20.62)	8,807,866,927	6,944,290,000	1,863,576,927	26.84	2.0133	3.2169	(1.2036)	(37.41)
6 Energy Payments to Qualifying Facilities	5,053,715	5,291,000	(237,286)	(4.48)	190,183,000	192,036,000	(1,853,000)	(0.96)	2.6573	2.7552	(0.0979)	(3.55)
7 TOTAL COST OF PURCHASED POWER	182,382,786	228,685,000	(46,302,214)	(20.25)	8,998,049,927	7,136,326,000	1,861,723,927	26.09	2.0269	3.2045	(1.1776)	(36.75)
8 Total Available kWh (Line 4 + Line 7)	450,235,181	517,940,133	(67,704,952)	(13.07)	15,857,573,927	15,364,765,000	492,808,927	3.21	2.8392	3.3710	(0.5318)	(15.78)
9 Fuel Cost of Economy Sales	(2,357,542)	(2,673,000)	315,458	(11.80)	(113,727,971)	(113,630,000)	(97,971)	0.09	2.0730	2.3524	(0.2794)	(11.88)
10 Gain on Economy Sales	(489,951)	(564,000)	74,049	(13.13)	0	0						
11 Fuel Cost of Other Power Sales	(49,913,592)	(83,652,000)	33,738,408	(40.33)	(3,818,442,456)	(3,256,519,000)	(561,923,456)	17.26	1.3072	2.5688	(1.2616)	(49.11)
12 TOTAL FUEL COST AND GAINS ON POWER SALES	(52,761,085)	(86,889,000)	34,127,915	(39.28)	(3,932,170,427)	(3,370,149,000)	(562,021,427)	16.68	1.3418	2.5782	(1.2364)	(47.96)
13 (LINES 9+10+11)												
14 **TOTAL FUEL & NET POWER TRANSACTIONS**	397,474,096	431,051,133	(33,577,037)	(7.79)	11,925,403,500	11,994,616,000	(69,212,500)	(0.58)	3.3330	3.5937	(0.2607)	(7.25)
(LINES 8+12)												
15 Company Use *	602,943	743,501	(140,558)	(18.90)	18,090,106	20,689,000	(2,598,894)	(12.56)	3.3330	3.5937	(0.2607)	(7.25)
16 T & D Losses *	19,692,355	21,900,870	(2,208,515)	(10.08)	590,829,743	609,424,000	(18,594,257)	(3.05)	3.3330	3.5937	(0.2607)	(7.25)
17 TERRITORIAL (SYSTEM) SALES	397,474,096	431,051,133	(33,577,037)	(7.79)	11,316,483,651	11,364,503,000	(48,019,349)	(0.42)	3.5123	3.7930	(0.2807)	(7.40)
18 Wholesale Sales	11,382,189	12,536,358	(1,154,169)	(9.21)	324,062,267	330,513,000	(6,450,733)	(1.95)	3.5123	3.7930	(0.2807)	(7.40)
19 Jurisdictional Sales	386,091,907	418,514,775	(32,422,868)	(7.75)	10,992,421,384	11,033,990,000	(41,568,616)	(0.38)	3.5123	3.7930	(0.2807)	(7.40)
20 Jurisdictional Loss Multiplier	1.0015	1.0015										
21 Jurisdictional Sales Adj. for Line Losses (Line 19 x 1.0015)	386,671,923	419,142,547	(32,470,624)	(7.75)	10,992,421,384	11,033,990,000	(41,568,616)	(0.38)	3.5176	3.7986	(0.2810)	(7.40)
22 TRUE-UP **	(19,370,087)	(19,370,087)	0	0.00	10,992,421,384	11,033,990,000	(41,568,616)	(0.38)	(0.1762)	(0.1755)	(0.0007)	0.40
23 TOTAL JURISDICTIONAL FUEL COST	367,301,836	399,772,460	(32,470,624)	(8.12)	10,992,421,384	11,033,990,000	(41,568,616)	(0.38)	3.3414	3.6231	(0.2817)	(7.78)
24 Revenue Tax Factor									1.00072	1.00072		
25 Fuel Factor Adjusted for Revenue Taxes									3.3438	3.6257	(0.2819)	(7.78)
26 GPIF Reward / (Penalty) **	2,648,312	2,648,312	0	0.00	10,992,421,384	11,033,990,000	(41,568,616)	(0.38)	0.0241	0.0240	0.0001	(0.42)
27 Fuel Factor Adjusted for GPIF Reward / (Penalty)									3.3679	3.6497	(0.2818)	(7.72)
28 **FUEL FACTOR ROUNDED TO NEAREST .001(¢/kWh)**									3.368	3.650	(0.2820)	(7.73)

(1) Includes portion of Gulf's 25% ownership of Scherer Unit 3 available to the native load customers

* Included for informational purposes only.

** ¢/kWh calculation based on jurisdictional kWh sales.

*** (Gain)/Loss on sales of natural gas

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 2017 - DECEMBER 2017

1.	TOTAL AMOUNT OF ADJUSTMENTS:		
	A. Generating Performance Incentive Reward/(Penalty)	$	(45,708)
	B. True-up (Over)/Under Recovered	$	(26,059,665)
2.	Jurisdictional kWh sales For the period: January 2017 - December 2017		11,022,525,000
3.	ADJUSTMENT FACTORS:		
	A. Generating Performance Incentive Factor		(0.0004)
	B. True-up Factor		(0.2364)

SCHEDULE E-1D

DETERMINATION OF FUEL RECOVERY FACTOR
TIME OF USE RATE SCHEDULES
GULF POWER COMPANY
PROPOSED FOR THE PERIOD: JANUARY 2017 - DECEMBER 2017

		NET ENERGY FOR LOAD %
	On-Peak	29.26
	Off-Peak	70.74
		100.00

	AVERAGE	ON-PEAK	OFF-PEAK
Cost per kWh Sold	3.3682	4.0049	3.1046
Jurisdictional Loss Factor	1.0015	1.0015	1.0015
Jurisdictional Fuel Factor	3.3733	4.0109	3.1093
GPIF	-0.0004	-0.0004	-0.0004
True-Up	-0.2364	-0.2364	-0.2364
TOTAL	3.1365	3.7741	2.8725
Revenue Tax Factor	1.00072	1.00072	1.00072
Recovery Factor	3.1388	3.7768	2.8746
Recovery Factor Rounded to the Nearest .001 ¢/kWh	3.139	3.777	2.875

HOURS:	ON-PEAK	25.08%
	OFF-PEAK	74.92%
		100.00%

SCHEDULE E-1E

FUEL RECOVERY FACTORS - BY RATE GROUP
(ADJUSTED FOR LINE/TRANSFORMATION LOSSES)
GULF POWER COMPANY
PROPOSED FOR THE PERIOD: JANUARY 2017 - DECEMBER 2017

Group	Rate Schedules	Average Factor	Fuel Recovery Loss Multipliers	Standard Fuel Recovery Factor
A	RS, RSVP, RSTOU, GS, GSD, GSDT, GSTOU, OSIII, SBS (1)	3.139	1.00773	3.163
B	LP, LPT, SBS (2)	3.139	0.98353	3.087
C	PX, PXT, RTP, SBS (3)	3.139	0.96591	3.032
D	OS-I/II	3.139	1.00777	3.125 *

		TOU
A	On-Peak	3.806
	Off-Peak	2.897
B	On-Peak	3.715
	Off-Peak	2.828
C	On-Peak	3.648
	Off-Peak	2.777
D	On-Peak	N/A
	Off-Peak	N/A

Group D Calculation

* D	On-Peak	3.777	¢ / kWh	x	0.2508	=	0.947	¢ / kWh
	Off-Peak	2.875	¢ / kWh	x	0.7492	=	2.154	¢ / kWh
							3.101	¢ / kWh
			Line Loss Multiplier			x	1.00777	
							3.125	¢ / kWh

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

FUEL AND PURCHASED POWER COST RECOVERY CLAUSE CALCULATION
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

LINE	LINE DESCRIPTION	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	$													
1	Fuel Cost of System Generation [1]	20,815,766	20,698,634	21,431,188	13,109,195	19,889,549	28,017,735	35,578,402	34,308,691	26,733,009	19,231,665	18,670,987	13,578,098	272,062,919
1a	Other Generation	176,634.00	159,588.00	176,634.00	170,952.00	264,703.00	256,180.00	264,703.00	264,703.00	256,180.00	176,634.00	170,952.00	176,634.00	2,514,497
2	Fuel Cost of Power Sold	(7,346,000)	(15,198,000)	(12,643,000)	(978,000)	(5,114,000)	(7,621,000)	(15,234,000)	(15,162,000)	(10,053,000)	(7,276,000)	(5,481,000)	(3,678,000)	(105,784,000)
3	Fuel Cost of Purchased Power	17,843,000	16,370,000	18,338,000	14,337,000	18,417,000	18,544,000	19,720,000	19,420,000	19,173,000	18,332,000	11,485,000	17,665,000	209,644,000
3a	Demand & Non-Fuel Cost of Pur Power	0	0	0	0	0	0	0	0	0	0	0	0	0
3b	Qualifying Facilities	500,000	500,000	500,000	319,000	319,000	319,000	321,000	233,000	233,000	358,000	329,000	329,000	4,260,000
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)	31,989,400	22,530,222	27,802,822	26,958,147	33,776,252	39,515,915	40,650,105	39,064,394	36,342,189	30,822,299	25,174,939	28,070,732	382,697,416
7	System kWh Sold	898,381,000	770,740,000	784,854,000	780,048,000	1,001,107,000	1,136,450,000	1,234,031,000	1,204,426,000	1,074,342,000	875,424,000	741,143,000	861,071,000	11,362,017,000
7a	Jurisdictional % of Total Sales	96.7730	96.8482	96.9687	96.9958	97.1550	97.2077	97.2157	97.1390	97.1778	97.0206	96.6780	96.6403	97.0120
8	Cost per kWh Sold (¢/kWh)	3.5608	2.9232	3.5424	3.4560	3.3739	3.4771	3.2941	3.2434	3.3827	3.5208	3.3968	3.2600	3.3682
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)	3.5661	2.9276	3.5477	3.4612	3.3790	3.4823	3.2990	3.2483	3.3878	3.5261	3.4019	3.2649	3.3733
9	GPIF (¢/kWh) *	(0.0004)	(0.0005)	(0.0005)	(0.0005)	(0.0004)	(0.0003)	(0.0003)	(0.0003)	(0.0004)	(0.0004)	(0.0005)	(0.0005)	(0.0004)
10	True-Up (¢/kWh) *	(0.2498)	(0.2909)	(0.2853)	(0.2870)	(0.2233)	(0.1966)	(0.1810)	(0.1856)	(0.2080)	(0.2557)	(0.3031)	(0.2610)	(0.2364)
11	TOTAL	3.3159	2.6362	3.2619	3.1737	3.1553	3.2854	3.1177	3.0624	3.1794	3.2700	3.0983	3.0034	3.1365
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	3.3183	2.6381	3.2642	3.1760	3.1576	3.2878	3.1199	3.0646	3.1817	3.2724	3.1005	3.0056	3.1388
14	**Recovery Factor Rounded to the Nearest .001 ¢/kWh**	3.318	2.638	3.264	3.176	3.158	3.288	3.120	3.065	3.182	3.272	3.101	3.006	3.139

* Calculations Based on Jurisdictional kWh Sales

[1] Includes portion of Gulf's 25% ownership of Scherer Unit 3 available to native load customers

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	FUEL COST - NET GEN. ($)													
1	LIGHTER OIL (B.L.)	64,803	65,288	65,694	35,305	54,671	66,410	66,630	66,816	66,971	48,787	67,208	67,303	735,886
2	COAL	10,750,942	9,690,763	9,541,168	3,060,746	8,335,673	16,185,338	22,984,148	21,798,091	16,433,435	8,807,493	8,160,733	4,365,886	140,114,416
2a	Coal at Scherer	1,702,537	1,603,597	1,834,895	1,622,956	1,510,884	1,850,125	1,970,480	1,950,501	56,417	0	1,288,142	1,731,018	17,121,552
3	GAS - Generation	8,053,496	9,084,483	9,746,487	8,175,976	9,851,646	9,758,054	10,404,949	10,340,924	10,017,542	10,163,771	8,909,019	7,168,683	111,675,030
4	GAS (B.L.)	354,829	354,689	353,785	321,533	335,585	350,357	351,105	351,269	351,193	322,455	353,237	356,049	4,156,086
5	LANDFILL GAS	65,793	59,402	65,793	63,631	65,793	63,631	65,793	65,793	63,631	65,793	63,600	65,793	774,446
6	OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
7	TOTAL ($)	20,992,400	20,858,222	21,607,822	13,280,147	20,154,252	28,273,915	35,843,105	34,573,394	26,989,189	19,408,299	18,841,939	13,754,732	274,577,416
	SYSTEM NET GEN. (MWh)													
8	LIGHTER OIL (B.L.)	0	0	0	0	0	0	0	0	0	0	0	0	0
9	COAL	302,769	285,020	278,870	89,217	252,262	487,089	741,659	747,132	547,963	298,515	272,278	147,487	4,450,261
	Coal at Scherer	77,578	72,923	87,288	75,713	69,466	87,481	93,689	92,478	2,639	0	59,164	80,319	798,738
10	GAS	306,873	349,653	386,019	271,171	349,672	340,661	372,798	368,756	353,960	363,289	353,902	262,358	4,079,112
11	LANDFILL GAS	2,100	1,896	2,100	2,031	2,100	2,031	2,100	2,100	2,031	2,100	2,030	2,100	24,719
12	OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
13	TOTAL (MWH)	689,320	709,492	754,277	438,132	673,500	917,262	1,210,246	1,210,466	906,593	663,904	687,374	492,264	9,352,830
	UNITS OF FUEL BURNED													
14	LIGHTER OIL (BBL)	987	987	987	524	816	987	987	987	987	724	987	987	10,947
15	COAL (TON)	145,356	133,914	132,626	42,345	117,206	234,681	345,754	336,996	255,890	138,915	128,763	68,726	2,081,172
16	GAS-all (MCF) (1)	2,034,847	2,356,685	2,589,014	1,812,048	2,337,536	2,285,172	2,461,385	2,434,067	2,336,278	2,385,545	2,354,212	1,734,320	27,121,109
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.	3,948,551	3,658,538	3,734,092	1,652,895	3,295,907	5,997,203	8,543,140	8,325,428	5,763,840	3,172,514	3,439,615	2,283,409	53,815,132
19	GAS-Generation (1)	2,075,544	2,403,819	2,640,794	1,848,289	2,384,287	2,330,875	2,510,613	2,482,748	2,383,004	2,433,256	2,401,296	1,769,006	27,663,531
20	OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
21	TOTAL (MMBtu) (1)	6,024,095	6,062,357	6,374,886	3,501,184	5,680,194	8,328,078	11,053,753	10,808,176	8,146,844	5,605,770	5,840,911	4,052,415	81,478,663

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

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

		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	55.18	50.45	48.54	37.65	47.77	62.64	69.03	69.37	60.74	44.96	48.21	46.27	56.13
24	GAS-Generation	44.52	49.28	51.18	61.89	51.92	37.14	30.80	30.46	39.04	54.72	51.49	53.30	43.61
25	LANDFILL GAS	0.30	0.27	0.28	0.46	0.31	0.22	0.17	0.17	0.22	0.32	0.30	0.43	0.26
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 ($/BBL)	65.66	66.15	66.56	67.38	67.00	67.28	67.51	67.70	67.85	67.39	68.09	68.19	67.22
29	COAL ($/TON)	73.96	72.37	71.94	72.28	71.12	68.97	66.48	64.68	64.22	63.40	63.38	63.53	67.32
30	GAS + B.L. ($/MCF) (1)	4.05	3.94	3.83	4.60	4.24	4.31	4.26	4.28	4.33	4.32	3.86	4.24	4.18
31	OIL - C.T.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	FUEL COST ($ / MMBtu)													
32	COAL + GAS B.L. + OIL B.L.	3.26	3.20	3.16	3.05	3.11	3.08	2.97	2.90	2.93	2.89	2.87	2.86	2.69
33	GAS-Generation (1)	3.80	3.71	3.62	4.33	4.02	4.08	4.04	4.06	4.10	4.10	3.64	3.95	3.95
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)	3.44	3.40	3.35	3.73	3.49	3.36	3.21	3.17	3.27	3.42	3.19	3.33	3.33
	BTU BURNED (Btu / kWh)													
36	COAL + GAS B.L. + OIL B.L.	10,381	10,221	10,198	10,022	10,244	10,438	10,227	9,916	10,468	10,628	10,378	10,023	12,093
37	GAS-Generation (1)	6,892	6,978	6,944	6,958	6,990	7,013	6,893	6,893	6,894	6,805	6,893	6,893	6,920
38	OIL - C.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
39	TOTAL (Btu/kWh) (1)	8,839	8,631	8,540	8,132	8,570	9,183	9,215	9,008	9,090	8,544	8,592	8,365	8,812
	FUEL COST (Cents / kWh)													
40	COAL + GAS B.L. + OIL B.L.	3.38	3.27	3.22	3.06	3.18	3.21	3.04	2.88	3.07	3.07	2.98	2.86	3.26
41	GAS-Generation	2.62	2.60	2.52	3.02	2.82	2.86	2.79	2.80	2.83	2.80	2.52	2.73	2.74
42	LANDFILL GAS	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13
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)	3.05	2.94	2.86	3.03	2.99	3.08	2.96	2.86	2.98	2.92	2.74	2.79	2.94

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: JANUARY 2017

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	3,676	6.6	80.6	55.7	12,001	Coal Gas - G	1,869	11,804	44,116	140,094	3.81	74.96
2	Crist 5	75	5,379	9.6	99.7	54.3	11,826	Coal Gas - G	2,695	11,804	63,614	202,011	3.76	74.96
3	Crist 6	299	71,756	32.3	98.5	62.5	11,204	Coal Gas - G	34,053	11,804	803,949	2,552,998	3.56	74.97
4	Crist 7	475	139,411	39.4	99.5	61.5	10,322	Coal Gas - G	60,952	11,804	1,438,995	4,569,633	3.28	74.97
5	Smith 3	584	301,153	69.3	83.5	86.4	6,892	Gas	2,034,847	1,020	2,075,544	7,876,862	2.62	3.87
6	Smith A (CT)	40	0	0.0	100	0.0	N/A	Oil	0	0	0	0	N/A	N/A
7	Scherer 3 (2)	162	77,578	64.4	98.5	12.4	8,749	Coal	39,933	8,498	678,716	1,702,537	2.19	42.63
8	Daniel 1 (1)	255	39,856	21.0	99.3	21.8	10,619	Coal	21,691	9,756	423,229	1,556,802	3.91	71.77
9	Daniel 2 (1)	255	42,691	22.5	92.8	22.4	11,013	Coal	24,096	9,756	470,152	1,729,404	4.05	71.77
10	Perdido		2,100					Landfill Gas				65,793	3.13	N/A
11	Other Generation		5,720					Gas				176,634	3.09	N/A
12	Gas,BL							Gas	19,608	1,020	20,000	354,829	N/A	18.10
13	Ltr. Oil							Oil	987	139,400	5,780	64,803	N/A	65.65
14		2,220	689,320	41.7	93.7	54.0	8,839				6,024,095	20,992,400	3.05	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents the portion of Gulf's 25% ownership available to native load customers

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: FEBRUARY 2017

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	3,141	6.0	71.4	83.8	10,129	Coal Gas - G	1,347	11,809	31,815	97,960	3.12	72.72
2	Crist 5	75	3,218	6.2	85.6	74.0	10,904	Coal Gas - G	1,486	11,809	35,090	108,044	3.36	72.71
3	Crist 6	299	68,149	32.7	98.5	61.8	10,841	Coal Gas - G	31,281	11,809	738,799	2,274,805	3.34	72.72
4	Crist 7	475	133,435	40.4	99.4	64.9	10,341	Coal Gas - G	58,424	11,809	1,379,852	4,248,644	3.18	72.72
5	Smith 3	584	344,485	84.8	99.6	88.2	6,978	Gas	2,356,685	1,020	2,403,819	8,924,895	2.59	3.79
6	Smith A (CT)	40	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
7	Scherer 3 (2)	162	72,923	64.7	98.5	13.0	8,820	Coal	37,793	8,510	643,217	1,603,597	2.20	42.43
8	Daniel 1 (1)	255	42,211	23.8	99.4	24.6	10,521	Coal	22,855	9,716	444,097	1,635,737	3.88	71.57
9	Daniel 2 (1)	255	34,866	19.6	70.8	25.3	10,322	Coal	18,521	9,716	359,888	1,325,573	3.80	71.57
10	Perdido		1,896					Landfill Gas				59,402	3.13	N/A
11	Other Generation		5,168					Gas				159,588	3.09	N/A
12	Gas,BL							Gas	19,608	1,020	20,000	354,689	N/A	18.09
13	Ltr. Oil							Oil	987	139,400	5,780	65,288	N/A	66.15
14		2,220	709,492	45.9	94.6	57.4	8,631				6,062,357	20,858,222	2.94	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents the portion of Gulf's 25% ownership available to native load customers

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: MARCH 2017

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	2,497	4.5	100.0	69.4	10,903	Coal Gas - G	1,153	11,811	27,225	83,188	3.33	72.15
2	Crist 5	75	4,554	8.2	83.7	57.8	11,357	Coal Gas - G	2,189	11,811	51,719	158,032	3.47	72.19
3	Crist 6	299	58,969	26.5	98.9	64.0	11,172	Coal Gas - G	27,890	11,811	658,806	2,013,038	3.41	72.18
4	Crist 7	475	141,837	40.1	86.6	67.0	10,467	Coal Gas - G	62,849	11,811	1,484,607	4,536,343	3.20	72.18
5	Smith 3	557	380,299	91.7	99.5	92.2	6,944	Gas	2,589,014	1,020	2,640,794	9,569,853	2.52	3.70
6	Smith A (CT)	36	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
7	Scherer 3 (2)	162	87,288	72.4	98.5	14.1	8,480	Coal	43,423	8,523	740,235	1,834,895	2.10	42.26
8	Daniel 1 (1)	255	56,772	29.9	99.2	22.8	10,579	Coal	31,044	9,673	600,594	2,215,274	3.90	71.36
9	Daniel 2 (1)	255	14,241	7.5	41.7	22.5	10,191	Coal	7,501	9,673	145,126	535,293	3.76	71.36
10	Perdido		2,100					Landfill Gas				65,793	3.13	N/A
11	Other Generation		5,720					Gas				176,634	3.09	N/A
12	Gas,BL							Gas	19,608	1,020	20,000	353,785	N/A	18.04
13	Ltr. Oil							Oil	987	139,400	5,780	65,694	N/A	66.56
14		2,189	754,277	46.3	89.3	57.4	8,540				6,374,886	21,607,822	2.86	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents the portion of Gulf's 25% ownership available to native load customers

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: APRIL 2017

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 Gas - G	0	0	0	0	N/A	N/A
2	Crist 5	75	0	0.0	86.7	0.0	N/A	Coal Gas - G	0	0	0	0	N/A	N/A
3	Crist 6	299	14,301	6.6	19.7	60.5	12,139	Coal Gas - G	7,348	11,812	173,597	532,402	3.72	72.46
4	Crist 7	475	67,942	19.9	72.8	66.8	10,738	Coal Gas - G	30,882	11,812	729,558	2,237,469	3.29	72.45
5	Smith 3	557	265,635	66.2	69.7	94.9	6,958	Gas	1,812,048	1,020	1,848,289	8,005,024	3.01	4.42
6	Smith A (CT)	36	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
7	Scherer 3 (2)	162	75,713	64.9	98.5	13.4	8,673	Coal	38,510	8,526	656,673	1,622,956	2.14	42.14
8	Daniel 1 (1)	255	6,974	3.8	99.9	25.8	11,471	Coal	4,115	9,720	80,000	290,875	4.17	70.69
9	Daniel 2 (1)	255	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
10	Perdido		2,031					Landfill Gas				63,631	3.13	N/A
11	Other Generation		5,536					Gas				170,952	3.09	N/A
12	Gas,BL							Gas	9,804	1,020	10,000	321,533	N/A	32.80
13	Ltr. Oil							Oil	524	139,400	3,067	35,305	N/A	67.38
14		2,189	438,132	27.8	63.2	50.9	8,132				3,501,184	13,280,147	3.03	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents the portion of Gulf's 25% ownership available to native load customers

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSTED FOR THE MONTH OF: MAY 2017

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	2,288	4.1	100.0	63.6	10,935	Coal Gas - G	1,059	11,814	25,019	75,609	3.30	71.40
2	Crist 5	75	4,594	8.2	99.9	57.8	11,620	Coal Gas - G	2,259	11,814	53,382	161,324	3.51	71.41
3	Crist 6	299	0	0.0	12.9	0.0	N/A	Coal Gas - G	0	0	0	0	N/A	N/A
4	Crist 7	475	199,258	56.4	98.4	68.4	10,447	Coal Gas - G	88,101	11,814	2,081,648	6,290,887	3.16	71.41
5	Smith 3	581	341,100	78.9	98.5	81.9	6,990	Gas	2,337,536	1,020	2,384,287	9,586,943	2.81	4.10
6	Smith A (CT)	36	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
7	Scherer 3 (2)	162	69,466	57.6	83.1	13.7	8,821	Coal	35,921	8,530	612,785	1,510,884	2.17	42.06
8	Daniel 1 (1)	255	40,923	21.6	54.3	25.5	10,922	Coal	22,901	9,759	446,962	1,605,511	3.92	70.11
9	Daniel 2 (1)	255	5,199	2.7	9.6	24.1	10,835	Coal	2,886	9,759	56,331	202,342	3.89	70.11
10	Perdido		2,100					Landfill Gas				65,793	3.13	N/A
11	Other Generation		8,572					Gas				264,703	3.09	N/A
12	Gas,BL							Gas	14,706	1,020	15,000	335,585	N/A	22.82
13	Ltr. Oil							Oil	816	139,400	4,780	54,671	N/A	67.00
14		2,213	673,500	40.9	70.6	47.0	8,570				5,680,194	20,154,252	2.99	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents the portion of Gulf's 25% ownership available to native load customers

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSTED FOR THE MONTH OF: JUNE 2017

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	4,967	9.2	100.0	68.3	10,973	Coal Gas - G	2,314	11,777	54,503	160,071	3.22	69.18
2	Crist 5	75	13,948	25.8	99.4	65.3	11,783	Coal Gas - G	6,978	11,777	164,348	482,677	3.46	69.17
3	Crist 6	299	77,865	36.2	98.3	72.1	10,522	Coal Gas - G	34,784	11,777	819,300	2,406,220	3.09	69.18
4	Crist 7	475	228,878	66.9	98.8	76.4	10,669	Coal Gas - G	103,674	11,777	2,441,904	7,171,682	3.13	69.18
5	Smith 3	556	332,365	83.0	99.6	84.9	7,013	Gas	2,285,172	1,020	2,330,875	9,501,874	2.86	4.16
6	Smith A (CT)	32	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
7	Scherer 3 (2)	162	87,481	75.0	97.9	14.5	8,602	Coal	44,067	8,538	752,530	1,850,125	2.11	41.98
8	Daniel 1 (1)	255	83,568	45.5	99.0	28.1	10,686	Coal	44,645	10,001	893,011	3,063,271	3.67	68.61
9	Daniel 2 (1)	255	77,863	42.4	98.5	28.1	10,863	Coal	42,286	10,001	845,827	2,901,417	3.73	68.61
10	Perdido		2,031					Landfill Gas				63,631	3.13	N/A
11	Other Generation		8,296					Gas				256,180	3.09	N/A
12	Gas,BL							Gas	19,608	1,020	20,000	350,357	N/A	17.87
13	Ltr. Oil							Oil	987	139,400	5,780	66,410	N/A	67.28
14		2,184	917,262	58.3	98.9	60.3	9,183				8,328,078	28,273,915	3.08	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents the portion of Gulf's 25% ownership available to native load customers

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSTED FOR THE MONTH OF: JULY 2017

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	35,175	63.0	100.0	71.2	10,067	Coal Gas - G	15,146	11,690	354,106	1,001,058	2.85	66.09
2	Crist 5	75	34,028	61.0	98.8	71.0	11,010	Coal Gas - G	16,024	11,690	374,643	1,059,116	3.11	66.10
3	Crist 6	299	147,541	66.3	97.3	77.7	10,386	Coal Gas - G	65,541	11,690	1,532,360	4,331,984	2.94	66.10
4	Crist 7	475	281,535	79.7	98.9	80.4	10,492	Coal Gas - G	126,340	11,690	2,953,853	8,350,547	2.97	66.10
5	Smith 3	556	364,226	88.0	99.5	88.5	6,893	Gas	2,461,385	1,020	2,510,613	10,140,246	2.78	4.12
6	Smith A (CT)	32	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
7	Scherer 3 (2)	162	93,689	77.7	98.0	15.0	8,572	Coal	46,971	8,549	803,098	1,970,480	2.10	41.95
8	Daniel 1 (1)	255	120,904	63.7	98.8	33.0	10,327	Coal	61,299	10,184	1,248,576	4,117,179	3.41	67.17
9	Daniel 2 (1)	255	122,476	64.6	98.4	32.8	10,212	Coal	61,404	10,184	1,250,724	4,124,264	3.37	67.17
10	Perdido		2,100					Landfill Gas				65,793	3.13	N/A
11	Other Generation		8,572					Gas				264,703	3.09	N/A
12	Gas,BL							Gas	19,608	1,020	20,000	351,105	N/A	17.91
13	Ltr. Oil							Oil	987	139,400	5,780	66,630	N/A	67.51
14		2,184	1,210,246	74.5	98.7	64.3	9,215				11,053,753	35,843,105	2.96	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents the portion of Gulf's 25% ownership available to native load customers

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSTED FOR THE MONTH OF: AUGUST 2017

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	35,106	62.9	100.0	72.2	10,720	Coal Gas - G	16,159	11,645	376,335	1,037,757	2.96	64.22
2	Crist 5	75	33,172	59.4	98.8	72.3	10,966	Coal Gas - G	15,619	11,645	363,767	1,003,100	3.02	64.22
3	Crist 6	299	166,886	75.0	96.9	77.2	10,397	Coal Gas - G	74,502	11,645	1,735,114	4,784,636	2.87	64.22
4	Crist 7	475	271,117	76.7	99.1	79.2	9,414	Coal Gas - G	109,640	11,639	2,552,283	6,992,268	2.58	63.77
5	Smith 3	556	360,184	87.1	99.5	87.5	6,893	Gas	2,434,067	1,020	2,482,748	10,076,221	2.80	4.14
6	Smith A (CT)	32	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
7	Scherer 3 (2)	162	92,478	76.7	98.0	15.0	8,573	Coal	46,476	8,529	792,787	1,950,501	2.11	41.97
8	Daniel 1 (1)	255	120,931	63.7	98.8	32.3	10,339	Coal	61,057	10,239	1,250,302	4,024,350	3.33	65.91
9	Daniel 2 (1)	255	119,920	63.2	98.4	32.1	10,249	Coal	60,019	10,239	1,229,060	3,955,980	3.30	65.91
10	Perdido		2,100					Landfill Gas				65,793	3.13	N/A
11	Other Generation		8,572					Gas				264,703	3.09	N/A
12	Gas,BL							Gas	19,608	1,020	20,000	351,269	N/A	17.91
13	Ltr. Oil							Oil	987	139,400	5,780	66,816	N/A	67.70
14		2,184	1,210,466	74.5	98.7	63.7	9,008				10,808,176	34,573,394	2.86	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents the portion of Gulf's 25% ownership available to native load customers

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSTED FOR THE MONTH OF: SEPTEMBER 2017

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	13,092	24.2	73.3	66.4	10,420	Coal Gas - G	5,860	11,639	136,421	373,741	2.85	63.78
2	Crist 5	75	13,120	24.3	72.8	65.8	11,224	Coal Gas - G	6,326	11,639	147,262	403,441	3.08	63.78
3	Crist 6	299	90,646	42.1	67.8	71.0	10,552	Coal Gas - G	41,089	11,639	956,491	2,620,415	2.89	63.77
4	Crist 7	475	246,645	72.1	98.5	76.9	10,348	Coal Gas - G	109,640	11,639	2,552,283	6,992,268	2.83	63.77
5	Smith 3	556	345,664	86.3	99.4	86.8	6,894	Gas	2,336,278	1,020	2,383,004	9,761,362	2.82	4.18
6	Smith A (CT)	32	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
7	Scherer 3 (2)	162	2,639	2.3	3.3	13.4	8,670	Coal	1,344	8,513	22,880	56,417	2.14	41.98
8	Daniel 1 (1)	255	105,606	57.5	98.8	29.5	10,394	Coal	53,079	10,340	1,097,673	3,450,245	3.27	65.00
9	Daniel 2 (1)	255	78,854	42.9	98.8	28.6	10,463	Coal	39,896	10,340	825,050	2,593,325	3.29	65.00
10	Perdido		2,031					Landfill Gas				63,631	3.13	N/A
11	Other Generation		8,296					Gas				256,180	3.09	N/A
12	Gas,BL							Gas	19,608	1,020	20,000	351,193	N/A	17.91
13	Ltr. Oil							Oil	987	139,400	5,780	66,971	N/A	67.85
14		2,184	906,593	57.7	85.8	60.9	9,090				8,146,844	26,989,189	2.98	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents the portion of Gulf's 25% ownership available to native load customers

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSTED FOR THE MONTH OF: OCTOBER 2017

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	29.0	0.0	N/A	Coal Gas - G	0	0	0	0	N/A	N/A
2	Crist 5	75	0	0.0	29.0	0.0	N/A	Coal Gas - G	0	0	0	0	N/A	N/A
3	Crist 6	299	30,101	13.5	93.0	60.3	10,896	Coal Gas - G	14,125	11,609	327,970	891,757	2.96	63.13
4	Crist 7	475	213,932	60.5	99.9	0.0	10,463	Coal Gas - G	96,403	11,609	2,238,367	6,086,166	2.84	63.13
5	Smith 3	557	357,569	86.2	99.5	86.7	6,805	Gas	2,385,545	1,020	2,433,256	9,987,137	2.79	4.19
6	Smith A (CT)	36	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
7	Scherer 3 (2)	162	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
8	Daniel 1 (1)	255	19,389	10.2	73.9	24.7	11,245	Coal	10,456	10,426	218,027	673,881	3.48	64.45
9	Daniel 2 (1)	255	35,093	18.5	99.4	26.1	10,655	Coal	17,931	10,426	373,911	1,155,689	3.29	64.45
10	Perdido		2,100					Landfill Gas				65,793	3.13	N/A
11	Other Generation		5,720					Gas				176,634	3.09	N/A
12	Gas,BL							Gas	9,804	1,020	10,000	322,455	N/A	32.89
13	Ltr. Oil							Oil	724	139,400	4,239	48,787	N/A	67.39
14		2,189	663,904	40.8	83.5	36.2	8,544				5,605,770	19,408,299	2.92	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents the portion of Gulf's 25% ownership available to native load customers

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSTED FOR THE MONTH OF: NOVEMBER 2017

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	1,991	3.7	100.0	55.3	12,041	Coal Gas - G	1,034	11,590	23,974	65,047	3.27	62.91
2	Crist 5	75	4,161	7.7	99.9	52.3	10,894	Coal Gas - G	1,956	11,590	45,332	122,995	2.96	62.88
3	Crist 6	299	29,946	13.9	98.6	56.3	11,058	Coal Gas - G	14,286	11,590	331,143	898,461	3.00	62.89
4	Crist 7	475	169,729	49.6	100.0	66.4	10,474	Coal Gas - G	76,693	11,590	1,777,736	4,823,373	2.84	62.89
5	Smith 3	557	348,366	86.8	99.4	87.3	6,893	Gas	2,354,212	1,020	2,401,296	8,738,067	2.51	3.71
6	Smith A (CT)	36	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
7	Scherer 3 (2)	162	59,164	50.7	82.2	11.8	8,802	Coal	30,668	8,490	520,778	1,288,142	2.18	42.00
8	Daniel 1 (1)	255	33,219	18.1	79.6	23.5	10,973	Coal	17,741	10,273	364,508	1,147,695	3.45	64.69
9	Daniel 2 (1)	255	33,232	18.1	99.4	22.4	10,543	Coal	17,053	10,273	350,364	1,103,162	3.32	64.69
10	Perdido		2,030					Landfill Gas				63,600	3.13	N/A
11	Other Generation		5,536					Gas				170,952	3.09	N/A
12	Gas,BL							Gas	19,608	1,020	20,000	353,237	N/A	18.01
13	Ltr. Oil							Oil	987	139,400	5,780	67,208	N/A	68.09
14		2,189	687,374	43.6	95.9	54.2	8,592				5,840,911	18,841,939	2.74	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents the portion of Gulf's 25% ownership available to native load customers

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSTED FOR THE MONTH OF: DECEMBER 2017

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	1,991	3.6	100.0	55.3	12,041	Coal Gas - G	1,035	11,578	23,974	65,484	3.29	63.27
2	Crist 5	75	1,321	2.4	100.0	41.0	12,951	Coal Gas - G	739	11,578	17,108	46,730	3.54	63.23
3	Crist 6	299	32,574	14.6	99.3	60.9	10,874	Coal Gas - G	15,296	11,578	354,212	967,510	2.97	63.25
4	Crist 7	475	89,033	25.2	99.7	73.2	10,389	Coal Gas - G	39,943	11,578	924,963	2,526,483	2.84	63.25
5	Smith 3	584	256,638	59.1	70.6	83.7	6,893	Gas	1,734,320	1,020	1,769,006	6,992,049	2.72	4.03
6	Smith A (CT)	40	0	0.0	100.0	0.0	N/A	Oil	0	0	0	0	N/A	N/A
7	Scherer 3 (2)	162	80,319	66.6	98.5	12.9	8,707	Coal	41,207	8,485	699,306	1,731,018	2.16	42.01
8	Daniel 1 (1)	255	17,238	9.1	87.0	29.4	10,396	Coal	8,817	10,163	179,211	571,870	3.32	64.86
9	Daniel 2 (1)	255	5,330	2.8	99.9	22.1	11,042	Coal	2,896	10,163	58,855	187,809	3.52	64.85
10	Perdido		2,100					Landfill Gas				65,793	3.13	N/A
11	Other Generation		5,720					Gas				176,634	3.09	N/A
12	Gas,BL							Gas	19,608	1,020	20,000	356,049	N/A	18.16
13	Ltr. Oil							Oil	987	139,400	5,780	67,303	N/A	68.19
14		2,220	492,264	29.8	90.5	56.0	8,365				4,052,415	13,754,732	2.79	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents the portion of Gulf's 25% ownership available to native load customers

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSTED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

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	103,924	15.8	87.9	69.4	10,560	Coal	46,976	11,681	1,097,488	3,100,009	2.98	65.99
								Gas - G	0	0	0	0		
2	Crist 5	75	117,495	17.8	87.9	66.3	11,203	Coal	56,271	11,696	1,316,265	3,747,470	3.19	66.60
								Gas - G	0	0	0	0		
3	Crist 6	299	788,734	30.0	81.6	69.2	10,690	Coal	360,195	11,704	8,431,741	24,274,226	3.08	67.39
								Gas - G	0	0	0	0		
4	Crist 7	475	2,182,752	52.3	96.0	71.7	10,334	Coal	963,541	11,705	22,556,049	64,825,763	2.97	67.28
								Gas - G	0.00	0.00	0.00	0.00		
5	Smith 3	566	3,997,684	80.5	93.1	87.2	6,920	Gas - G	27,121,109	1,020	27,663,531	109,160,533	2.73	4.02
6	Smith A (CT)	36	0	0.0	100.0	0.0	N/A	Oil - G	0	0	0	0	N/A	N/A
7	Scherer 3 (2)	162	798,738	56.1	93.1	87.2	8,667	Coal	406,313	8,519	6,923,005	17,121,552	2.14	42.14
8	Daniel 1 (1)	255	687,591	30.7	90.5	27.9	10,539	Coal	359,700	10,073	7,246,190	24,352,690	3.54	67.70
9	Daniel 2 (1)	255	569,765	25.4	75.7	28.2	10,470	Coal	294,489	10,128	5,965,288	19,814,258	3.48	67.28
10	Perdido		24,719					Landfill Gas				774,446	3.13	N/A
11	Other Generation		81,428					Gas				2,514,497	3.09	N/A
12	Gas,BL							Gas	210,786	1,020	215,000	4,156,086	N/A	19.72
13	Ltr. Oil							Oil	10,947	139,428	64,106	735,886	N/A	67.22
14		2,197	9,352,830	48.5	89.6	64.9	8,812				81,478,663	274,577,416	2.94	

Notes:
(1) Represents Gulf's 50% Ownership
(2) Represents the portion of Gulf's 25% ownership available to native load customers

SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	LIGHT OIL													
1	*PURCHASES :*													
2	UNITS (BBL)	984	984	984	521	813	984	984	984	984	734	980	984	10,920
3	UNIT COST ($/BBL)	68.81	68.81	68.81	69.09	68.84	68.81	68.81	68.81	68.81	68.39	68.76	68.81	68.80
4	AMOUNT ($)	67,713	67,713	67,713	35,996	55,963	67,713	67,713	67,713	67,713	50,201	67,383	67,713	751,247
5	*BURNED :*													
6	UNITS (BBL)	987	987	987	524	816	987	987	987	987	724	987	987	10,947
7	UNIT COST ($/BBL)	65.66	66.15	66.56	67.38	67.00	67.28	67.51	67.70	67.85	67.39	68.09	68.19	67.22
8	AMOUNT ($)	64,803	65,288	65,694	35,305	54,671	66,410	66,630	66,816	66,971	48,787	67,208	67,303	735,886
9	*ENDING INVENTORY :*													
10	UNITS (BBL)	7,277	7,274	7,271	7,268	7,265	7,262	7,259	7,256	7,253	7,263	7,256	7,253	
11	UNIT COST ($/BBL)	66.31	66.67	66.98	67.10	67.31	67.51	67.69	67.84	67.97	68.07	68.16	68.25	
12	AMOUNT ($)	482,551	484,976	486,995	487,686	488,978	490,281	491,364	492,261	493,003	494,417	494,592	495,002	
13	DAYS SUPPLY:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	COAL(EXCLUDING SCHERER)													
14	*PURCHASES :*													
15	UNITS (TONS)	75,180	133,500	83,500	65,700	125,700	220,300	282,900	345,000	261,031	186,328	120,970	77,265	1,977,374
16	UNIT COST ($/TON)	69.56	67.59	69.41	70.28	67.60	64.28	61.93	62.55	63.07	62.11	63.27	65.49	64.31
17	AMOUNT ($)	5,229,852	9,023,728	5,795,729	4,617,174	8,497,013	14,161,103	17,518,766	21,578,879	16,464,520	11,573,135	7,653,843	5,059,939	127,173,681
18	*BURNED :*													
19	UNITS (TONS)	145,356	133,914	132,626	42,345	117,206	234,681	345,754	336,996	255,890	138,915	128,763	68,726	2,081,172
20	UNIT COST ($/TON)	73.96	72.37	71.94	72.28	71.12	68.97	66.48	64.68	64.22	63.40	63.38	63.53	67.32
21	AMOUNT ($)	10,750,942	9,690,763	9,541,168	3,060,746	8,335,673	16,185,338	22,984,148	21,798,091	16,433,435	8,807,493	8,160,733	4,365,886	140,114,416
22	*ENDING INVENTORY :*													
23	UNITS (TONS)	563,617	563,203	514,077	537,432	545,926	531,545	468,691	476,695	481,836	529,249	521,456	529,995	
24	UNIT COST ($/TON)	73.39	72.26	71.87	71.65	70.83	68.94	66.52	64.94	64.31	63.78	63.76	64.04	
25	AMOUNT ($)	41,361,541	40,694,506	36,949,067	38,505,495	38,666,835	36,642,600	31,177,218	30,958,006	30,989,091	33,754,733	33,247,843	33,941,896	
26	DAYS SUPPLY:	35	35	32	34	34	33	29	30	30	33	33	33	

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

SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	COAL at Plant Scherer													
1	*PURCHASES :*													
2	UNITS (TONS)	640,797	669,272	776,099	696,254	654,554	781,292	827,794	466,053	541,475	467,321	466,053	541,475	7,528,439
3	UNIT COST ($/TON)	2.46	2.44	2.44	2.45	2.45	2.44	2.44	2.49	2.48	2.49	2.49	2.48	2.46
4	AMOUNT ($)	1,574,475	1,636,172	1,893,659	1,705,337	1,601,443	1,905,914	2,020,616	1,160,846	1,344,895	1,163,937	1,160,846	1,344,895	18,513,035
5	*BURNED :*													
6	UNITS (TONS)	678,716	643,217	740,235	656,673	612,785	752,530	803,098	792,787	22,880	0	520,778	699,306	6,923,005
7	UNIT COST ($/TON)	2.51	2.49	2.48	2.47	2.47	2.46	2.45	2.46	2.47	0.00	2.47	2.48	2.47
8	AMOUNT ($)	1,702,537	1,603,597	1,834,895	1,622,956	1,510,884	1,850,125	1,970,480	1,950,501	56,417	0	1,288,142	1,731,018	17,121,552
9	*ENDING INVENTORY :*													
10	UNITS (TONS)	1,699,085	1,725,140	1,761,004	1,800,585	1,842,354	1,871,116	1,895,812	1,569,078	2,087,673	2,554,994	2,500,269	2,342,438	
11	UNIT COST ($/TON)	2.52	2.50	2.48	2.47	2.47	2.46	2.45	2.46	2.47	2.47	2.47	2.48	
12	AMOUNT ($)	4,278,780	4,311,355	4,370,119	4,452,500	4,543,059	4,598,848	4,648,984	3,859,329	5,147,807	6,311,744	6,184,448	5,798,325	
13	DAYS SUPPLY:	32	32	33	34	34	35	35	29	39	48	47	44	
	GAS (1)													
14	*BURNED :*													
15	UNITS (MMBtu)	2,075,544	2,403,819	2,640,794	1,848,289	2,384,287	2,330,875	2,510,613	2,482,748	2,383,004	2,433,256	2,401,296	1,769,006	27,663,531
16	UNIT COST ($/MMBtu)	3.80	3.71	3.62	4.33	4.02	4.08	4.04	4.06	4.10	4.10	3.64	3.95	3.95
17	AMOUNT ($)	7,876,862	8,924,895	9,569,853	8,005,024	9,586,943	9,501,874	10,140,246	10,076,221	9,761,362	9,987,137	8,738,067	6,992,049	109,160,533
	OTHER - C.T. OIL													
18	*PURCHASES :*													
19	UNITS (BBL)	0	0	0	0	0	0	0	0	0	0	0	0	0
20	UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	AMOUNT ($)	0	0	0	0	0	0	0	0	0	0	0	0	0
22	*BURNED :*													
23	UNITS (BBL)	0	0	0	0	0	0	0	0	0	0	0	0	0
24	UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	AMOUNT ($)	0	0	0	0	0	0	0	0	0	0	0	0	0
26	*ENDING INVENTORY :*													
27	UNITS (BBL)	16,426	16,426	16,426	16,426	16,426	16,426	16,426	16,426	16,426	16,426	16,426	16,426	
28	UNIT COST ($/BBL)	91.53	91.53	91.53	91.53	91.53	91.53	91.53	91.53	91.53	91.53	91.53	91.53	
29	AMOUNT ($)	1,503,549	1,503,549	1,503,549	1,503,549	1,503,549	1,503,549	1,503,549	1,503,549	1,503,549	1,503,549	1,503,549	1,503,549	
30	HOURS SUPPLY:	186	186	186	186	186	186	186	186	186	186	186	186	

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

SCHEDULE E-6
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POWER SOLD
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

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	322,127,000	0	322,127,000	2.17	2.56	7,000,000	8,258,000
2		Economy Sales	14,261,000	0	14,261,000	2.09	2.57	298,000	366,000
3		Gain on Economy Sales	0	0	0	0.00	0.00	48,000	48,000
4		TOTAL ESTIMATED SALES	336,388,000	0	336,388,000	2.18	2.58	7,346,000	8,672,000
	FEBRUARY								
5		Southern Co. Interchange	424,668,000	0	424,668,000	3.47	3.85	14,719,000	16,345,000
6		Economy Sales	16,476,000	0	16,476,000	2.69	3.19	443,000	525,000
7		Gain on Economy Sales	0	0	0	0.00	0.00	36,000	36,000
8		TOTAL ESTIMATED SALES	441,144,000	0	441,144,000	3.45	3.83	15,198,000	16,906,000
	MARCH								
9		Southern Co. Interchange	517,799,000	0	517,799,000	2.38	2.85	12,337,000	14,762,000
10		Economy Sales	12,216,000	0	12,216,000	2.25	2.78	275,000	339,000
11		Gain on Economy Sales	0	0	0	0.00	0.00	31,000	31,000
12		TOTAL ESTIMATED SALES	530,015,000	0	530,015,000	2.39	2.86	12,643,000	15,132,000
	APRIL								
13		Southern Co. Interchange	31,859,000	0	31,859,000	2.21	2.71	704,000	863,000
14		Economy Sales	11,195,000	0	11,195,000	2.22	2.65	249,000	297,000
15		Gain on Economy Sales	0	0	0	0.00	0.00	25,000	25,000
16		TOTAL ESTIMATED SALES	43,054,000	0	43,054,000	2.27	2.75	978,000	1,185,000
	MAY								
17		Southern Co. Interchange	210,937,000	0	210,937,000	2.27	2.71	4,787,000	5,713,000
18		Economy Sales	12,635,000	0	12,635,000	2.26	2.75	286,000	348,000
19		Gain on Economy Sales	0	0	0	0.00	0.00	41,000	41,000
20		TOTAL ESTIMATED SALES	223,572,000	0	223,572,000	2.29	2.73	5,114,000	6,102,000
	JUNE								
21		Southern Co. Interchange	300,570,000	0	300,570,000	2.46	2.98	7,399,000	8,949,000
22		Economy Sales	7,154,000	0	7,154,000	2.24	2.89	160,000	207,000
23		Gain on Economy Sales	0	0	0	0.00	0.00	62,000	62,000
24		TOTAL ESTIMATED SALES	307,724,000	0	307,724,000	2.48	3.00	7,621,000	9,218,000

POWER SOLD
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

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	551,233,000	0	551,233,000	2.70	3.25	14,895,000	17,914,000
2		Economy Sales	11,070,000	0	11,070,000	2.38	3.02	264,000	334,000
3		Gain on Economy Sales	0	0	0	0.00	0.00	75,000	75,000
4		TOTAL ESTIMATED SALES	562,303,000	0	562,303,000	2.71	3.26	15,234,000	18,323,000
	AUGUST								
5		Southern Co. Interchange	566,034,000	0	566,034,000	2.63	3.31	14,879,000	18,754,000
6		Economy Sales	9,026,000	0	9,026,000	2.28	2.98	206,000	269,000
7		Gain on Economy Sales	0	0	0	0.00	0.00	77,000	77,000
8		TOTAL ESTIMATED SALES	575,060,000	0	575,060,000	2.64	3.32	15,162,000	19,100,000
	SEPTEMBER								
9		Southern Co. Interchange	392,336,000	0	392,336,000	2.50	3.10	9,824,000	12,160,000
10		Economy Sales	7,503,000	0	7,503,000	2.35	3.04	176,000	228,000
11		Gain on Economy Sales	0	0	0	0.00	0.00	53,000	53,000
12		TOTAL ESTIMATED SALES	399,839,000	0	399,839,000	2.51	3.11	10,053,000	12,441,000
	OCTOBER								
13		Southern Co. Interchange	323,344,000	0	323,344,000	2.16	2.60	6,993,000	8,398,000
14		Economy Sales	11,913,000	0	11,913,000	2.10	2.66	250,000	317,000
15		Gain on Economy Sales	0	0	0	0.00	0.00	33,000	33,000
16		TOTAL ESTIMATED SALES	335,257,000	0	335,257,000	2.17	2.61	7,276,000	8,748,000
	NOVEMBER								
17		Southern Co. Interchange	225,415,000	0	225,415,000	2.30	2.73	5,188,000	6,151,000
18		Economy Sales	12,023,000	0	12,023,000	2.20	2.61	264,000	314,000
19		Gain on Economy Sales	0	0	0	0.00	0.00	29,000	29,000
20		TOTAL ESTIMATED SALES	237,438,000	0	237,438,000	2.31	2.74	5,481,000	6,494,000
	DECEMBER								
21		Southern Co. Interchange	152,212,000	0	152,212,000	2.23	2.65	3,389,000	4,036,000
22		Economy Sales	10,995,000	0	10,995,000	2.20	2.66	242,000	293,000
23		Gain on Economy Sales	0	0	0	0.00	0.00	47,000	47,000
24		TOTAL ESTIMATED SALES	163,207,000	0	163,207,000	2.25	2.68	3,678,000	4,376,000
	TOTAL								
25		Southern Co. Interchange	4,018,534,000	0	4,018,534,000	2.54	3.04	102,114,000	122,303,000
26		Economy Sales	136,467,000	0	136,467,000	2.28	2.81	3,113,000	3,837,000
27		Gain on Economy Sales	0	0	0	0.00	0.00	557,000	557,000
28		TOTAL ESTIMATED SALES	4,155,001,000	0	4,155,001,000	2.55	3.05	105,784,000	126,697,000

SCHEDULE E-7

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

PROPOSED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

MONTH	PURCHASED FROM	TYPE & SCHED	TOTAL KWH PURCH.	KWH FOR OTHER UTILITIES	KWH FOR INTERRUPTIBLE	KWH FOR FIRM	¢ / kWh (A) FUEL COST	¢ / kWh (B) TOTAL COST	TOTAL $ FOR FUEL ADJ.
January	NONE								
February	NONE								
March	NONE								
April	NONE								
May	NONE								
June	NONE								
July	NONE								
August	NONE								
September	NONE								
October	NONE								
November	NONE								
December	NONE								
Total	NONE								

SCHEDULE E-8

ENERGY PAYMENT TO QUALIFYING FACILITIES
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

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	19,426,000			None	2.58	2.58	500,000
FEBRUARY		COG-1	19,426,000			None	2.58	2.58	500,000
MARCH		COG-1	19,426,000			None	2.58	2.58	500,000
APRIL		COG-1	11,378,000			None	2.80	2.80	319,000
MAY		COG-1	11,377,000			None	2.80	2.80	319,000
JUNE		COG-1	11,378,000			None	2.80	2.80	319,000
JULY		COG-1	11,477,000			None	2.80	2.80	321,000
AUGUST		COG-1	8,334,000			None	2.80	2.80	233,000
SEPTEMBER		COG-1	8,333,000			None	2.80	2.80	233,000
OCTOBER		COG-1	12,776,000			None	2.80	2.80	358,000
NOVEMBER		COG-1	12,775,000			None	2.58	2.58	329,000
DECEMBER		COG-1	12,776,000			None	2.58	2.58	329,000
TOTAL			158,882,000			0	2.68	2.68	4,260,000

SCHEDULE E-9
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ECONOMY ENERGY PURCHASES
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

LINE	MONTH	TYPE & SCHEDULE	TOTAL KWH PURCHASED	TRANSACTION COST ¢ / kWh	TOTAL $ FOR FUEL ADJ.
	JANUARY				
1		Southern Co. Interchange	6,561,000	2.50	164,000
2		Economy Energy	4,079,000	2.67	109,000
3		Other Purchases	564,813,000	3.11	17,570,000
4		TOTAL ESTIMATED PURCHASES	575,453,000	3.10	17,843,000
	FEBRUARY				
5		Southern Co. Interchange	1,450,000	3.03	44,000
6		Economy Energy	4,069,000	3.12	127,000
7		Other Purchases	520,176,000	3.11	16,199,000
8		TOTAL ESTIMATED PURCHASES	525,695,000	3.11	16,370,000
	MARCH				
9		Southern Co. Interchange	23,734,000	2.65	629,000
10		Economy Energy	3,361,000	2.92	98,000
11		Other Purchases	557,391,000	3.16	17,611,000
12		TOTAL ESTIMATED PURCHASES	584,486,000	3.14	18,338,000
	APRIL				
13		Southern Co. Interchange	247,958,000	2.58	6,394,000
14		Economy Energy	5,046,000	2.70	136,000
15		Other Purchases	163,525,000	4.77	7,807,000
16		TOTAL ESTIMATED PURCHASES	416,529,000	3.44	14,337,000
	MAY				
17		Southern Co. Interchange	28,526,000	2.49	710,000
18		Economy Energy	4,735,000	2.68	127,000
19		Other Purchases	561,218,000	3.13	17,580,000
20		TOTAL ESTIMATED PURCHASES	594,479,000	3.10	18,417,000
	JUNE				
21		Southern Co. Interchange	36,305,000	3.33	1,209,000
22		Economy Energy	2,292,000	3.10	71,000
23		Other Purchases	538,890,000	3.20	17,264,000
24		TOTAL ESTIMATED PURCHASES	577,487,000	3.21	18,544,000

SCHEDULE E-9
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ECONOMY ENERGY PURCHASES
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

LINE	MONTH	TYPE & SCHEDULE	TOTAL KWH PURCHASED	TRANSACTION COST ¢ / kWh	TOTAL $ FOR FUEL ADJ.
	JULY				
1		Southern Co. Interchange	547,000	2.93	16,000
2		Economy Energy	4,133,000	3.34	138,000
3		Other Purchases	637,086,000	3.07	19,566,000
4		TOTAL ESTIMATED PURCHASES	641,766,000	3.07	19,720,000
	AUGUST				
5		Southern Co. Interchange	788,000	2.28	18,000
6		Economy Energy	3,856,000	3.27	126,000
7		Other Purchases	621,737,000	3.10	19,276,000
8		TOTAL ESTIMATED PURCHASES	626,381,000	3.10	19,420,000
	SEPTEMBER				
9		Southern Co. Interchange	7,392,000	2.80	207,000
10		Economy Energy	3,164,000	3.19	101,000
11		Other Purchases	607,397,000	3.11	18,865,000
12		TOTAL ESTIMATED PURCHASES	617,953,000	3.10	19,173,000
	OCTOBER				
13		Southern Co. Interchange	57,872,000	2.69	1,554,000
14		Economy Energy	5,911,000	2.57	152,000
15		Other Purchases	518,268,000	3.21	16,626,000
16		TOTAL ESTIMATED PURCHASES	582,051,000	3.15	18,332,000
	NOVEMBER				
17		Southern Co. Interchange	92,127,000	2.39	2,204,000
18		Economy Energy	5,171,000	2.53	131,000
19		Other Purchases	222,148,000	4.12	9,150,000
20		TOTAL ESTIMATED PURCHASES	319,446,000	3.60	11,485,000
	DECEMBER				
21		Southern Co. Interchange	98,699,000	2.45	2,414,000
22		Economy Energy	4,094,000	2.74	112,000
23		Other Purchases	463,881,000	3.26	15,139,000
24		TOTAL ESTIMATED PURCHASES	566,674,000	3.12	17,665,000
	TOTAL FOR PERIOD				
25		Southern Co. Interchange	601,959,000	2.59	15,563,000
26		Economy Energy	49,911,000	2.86	1,428,000
27		Other Purchases	5,976,530,000	3.22	192,653,000
28		TOTAL ESTIMATED PURCHASES	6,628,400,000	3.16	209,644,000

SCHEDULE E-10

GULF POWER COMPANY
RESIDENTIAL BILL COMPARISON
FOR MONTHLY USAGE OF 1,000 kWh
PROPOSED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

	Current Approved Jan. 16 - Dec. 16 ($/1,000 kWh)	Proposed Jan. 17 - Dec. 17 ($/1,000 kWh)	Difference from Current ($)	Difference from Current (%)
Base Rate	$ 64.45	$ 64.45	$ -	0.0%
Fuel Cost Recovery	36.78	31.63	(5.15)	-14.0%
Capacity Cost Recovery	9.19	8.88	(0.31)	-3.4%
Energy Conservation Cost Recovery	0.68	1.60	0.92	135.3%
Environmental Cost Recovery	21.09	21.58	0.49	2.3%
Subtotal	$ 132.19	$ 128.14	$ (4.05)	-3.1%
Gross Receipts Tax	3.39	3.29	(0.10)	-2.9%
Total	$ 135.58	$ 131.43	$ (4.15)	-3.1%

SCHEDULE E-11

ESTIMATED AS-AVAILABLE AVOIDED ENERGY COST
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

		TOTAL ¢ / kWh
2017	JANUARY	2.576
	FEBRUARY	2.576
	MARCH	2.576
	APRIL	2.801
	MAY	2.801
	JUNE	2.801
	JULY	2.801
	AUGUST	2.801
	SEPTEMBER	2.801
	OCTOBER	2.801
	NOVEMBER	2.576
	DECEMBER	2.576
2018	JANUARY	2.627
	FEBRUARY	2.627
	MARCH	2.627
	APRIL	2.812
	MAY	2.812
	JUNE	2.812
	JULY	2.812
	AUGUST	2.812
	SEPTEMBER	2.812
	OCTOBER	2.812
	NOVEMBER	2.627
	DECEMBER	2.627

SCHEDULE H1

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2017 - DECEMBER 2017

LINE	LINE DESCRIPTION	2014	2015	2016	2017	% Change 2014 to 2015	% Change 2015 to 2016	% Change 2016 to 2017
	FUEL COST OF SYSTEM NET GENERATION ($)							
1	LIGHTER OIL (B.L.)	1,745,999	1,041,770	761,818	735,886	(40.33)	(26.87)	(3.40)
2	COAL	227,098,836	137,565,166	160,639,538	140,114,416	(39.42)	16.77	(12.78)
2a	COAL at Scherer	0	0	0	17,121,552	0.00	0.00	100.00
3	GAS	124,330,289	135,200,134	120,577,791	109,160,533	8.74	(10.82)	(9.47)
4	GAS (B.L.)	1,807,910	2,330,432	3,660,486	4,156,086	28.90	57.07	13.54
5	LANDFILL GAS	680,294	963,353	758,264	774,446	41.61	(21.29)	2.13
6	OTHER - C.T.	8,702	0	0	0	(100.00)	0.00	0.00
7	OTHER GENERATION	3,254,676	2,968,865	2,857,236	2,514,497	(8.78)	(3.76)	(12.00)
8	TOTAL ($)	358,926,706	280,069,720	289,255,133	274,577,416	(21.97)	3.28	(5.07)
	SYSTEM NET GENERATION (MWh)							
9	COAL	4,980,200	3,558,501	4,597,504	4,450,261	(28.55)	29.20	(3.20)
9a	COAL at Scherer	0	0	0	798,738	0.00	0.00	100.00
10	GAS	3,846,888	3,855,439	3,524,535	3,997,684	0.22	(8.58)	13.42
11	LANDFILL GAS	24,720	31,952	24,788	24,719	29.26	(22.42)	(0.28)
12	OTHER - C.T.	32	0	0	0	(100.00)	0.00	0.00
13	OTHER GENERATION	81,428	81,428	81,612	81,428	0.00	0.23	(0.23)
14	TOTAL (MWH)	8,933,268	7,527,320	8,228,439	9,352,830	(15.74)	9.31	13.66
	UNITS OF FUEL BURNED							
15	LIGHTER OIL (BBL)	13,792	8,388	8,491	10,947	(39.18)	1.23	28.92
16	COAL excl. Scherer (TON)	2,389,900	1,752,649	2,156,455	2,081,172	(26.66)	23.04	(3.49)
17	GAS (MCF)	25,903,786	26,416,028	23,960,636	27,121,109	1.98	(9.30)	13.19
18	OTHER - C.T. (BBL)	77	0	0	0	(100.00)	0.00	0.00
	BTUS BURNED (MMBtu)							
19	COAL + GAS B.L. + OIL B.L.	55,686,060	38,051,955	48,979,775	53,815,132	(31.67)	28.72	9.87
20	GAS - Generation	26,250,901	26,416,028	24,224,848	27,663,531	0.63	(8.29)	14.19
21	OTHER - C.T.	450	0	0	0	(100.00)	0.00	0.00
22	TOTAL (MMBtu)	81,937,411	64,467,983	73,204,623	81,478,663	(21.32)	13.55	11.30
	GENERATION MIX (% MWh)							
23	COAL + GAS B.L. + OIL B.L.	55.75	47.27	55.87	56.12	(15.21)	18.19	0.45
24	GAS - Generation	43.06	51.22	42.83	42.74	18.95	(16.38)	(0.21)
25	LANDFILL GAS	0.28	0.42	0.30	0.26	50.00	(28.57)	(13.33)
26	OTHER - C.T.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	OTHER GENERATION	0.91	1.08	0.99	0.87	18.68	(8.33)	(12.12)
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. ($/BBL)	126.60	124.20	89.72	67.22	(1.90)	(27.76)	(25.08)
30	COAL ($/TON)	95.02	78.49	74.49	67.32	(17.40)	(5.10)	(9.63)
31	GAS +B.L. ($/MCF)	4.87	5.21	5.19	4.18	6.98	(0.38)	(19.46)
32	OTHER - C.T.	113.01	0.00	0.00	0.00	(100.00)	0.00	0.00
	FUEL COST ($ / MMBtu)							
33	COAL + GAS B.L. + OIL B.L.	4.14	3.70	3.37	3.01	(10.63)	(8.92)	(10.68)
34	GAS - Generation	4.74	5.12	4.98	3.95	8.02	(2.73)	(20.68)
35	OTHER - C.T.	19.34	0.00	0.00	0.00	(100.00)	0.00	0.00
36	TOTAL ($/MMBtu)	4.33	4.28	3.90	3.33	(1.15)	(8.88)	(14.62)
	BTU BURNED (Btu / kWh)							
37	COAL + GAS B.L. + OIL B.L.	11,181	10,693	10,654	10,252	(4.36)	(0.36)	(3.77)
38	GAS - Generation	6,824	6,852	6,873	6,920	0.41	0.31	0.68
39	OTHER - C.T.	14,063	0	0	0	(100.00)	0.00	0.00
40	TOTAL (Btu/kWh)	9,257	8,658	9,013	8,812	(6.47)	4.10	(2.23)
	FUEL COST (¢ / kWh)							
41	COAL + GAS B.L. + OIL B.L.	4.63	3.96	3.59	2.76	(14.47)	(9.34)	(23.12)
42	GAS - Generation	3.23	3.51	3.42	2.73	8.67	(2.56)	(20.18)
43	LANDFILL GAS	2.75	3.02	3.06	3.13	9.82	1.32	2.29
44	OTHER - C.T.	27.19	0.00	0.00	0.00	(100.00)	0.00	0.00
45	OTHER GENERATION	4.00	3.65	3.50	3.09	(8.75)	(4.11)	(11.71)
46	TOTAL (¢ / kWh)	4.02	3.72	3.52	2.94	(7.46)	(5.38)	(16.48)

Schedule CCE-1

Projected Purchased Power Capacity Payments / (Receipts)
Gulf Power Company
For January 2017 - December 2017

		January	February	March	April	May	June	July	August	September	October	November	December	**Total**
1	Projected IIC Payments / (Receipts) ($)	(8,772)	0	(10,569)	34,654	0	0	0	0	0	8,370	(804)	(8,708)	14,171
2	Other Capacity Payments / (Receipts) ($)	7,170,863	7,170,863	7,170,863	7,170,863	7,170,863	7,170,863	7,170,863	7,170,863	7,170,863	7,170,863	7,170,863	7,170,863	86,050,356
3	Projected Transmission Revenue	(15,000)	(17,000)	(12,000)	(11,000)	(13,000)	(7,000)	(11,000)	(9,000)	(8,000)	(12,000)	(12,000)	(11,000)	(138,000)
4	Total Projected Capacity Payments / (Receipts) (Line 1 + 2 + 3) ($)	7,147,091	7,153,863	7,148,294	7,194,517	7,157,863	7,163,863	7,159,863	7,161,863	7,162,863	7,167,233	7,158,059	7,151,155	85,926,527
5	Jurisdictional %	0.9721125	0.9721125	0.9721125	0.9721125	0.9721125	0.9721125	0.9721125	0.9721125	0.9721125	0.9721125	0.9721125	0.9721125	
6	Projected Jurisdictional Capacity Payments / (Receipts) (Line 4 x Line 5) ($)	6,947,776	6,954,360	6,948,946	6,993,880	6,958,248	6,964,081	6,960,192	6,962,137	6,963,109	6,967,357	6,958,439	6,951,727	83,530,252
7	True-Up ($)													816,536
8	Total Jurisdictional Amount to be Recovered (Line 6 + Line 7) ($)													84,346,788
9	Revenue Tax Multiplier													1.00072
10	Total Recoverable Capacity Payments / (Receipts) (Line 8 x Line 9) ($)													84,407,518

Calculation of Jurisdictional % *

	12 CP KW	%
FPSC	1,886,812.47	97.21125%
FERC	54,127.89	2.78875%
Total	1,940,940.36	100.00000%

* Based on 2015 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 2017 - DECEMBER 2017

1.	Estimated over/(under)-recovery, January 2016 - December 2016 (Schedule CCE-1B, Line 15 + Line 18)	149,231
2.	Final over/(under)-recovery, January 2015 - December 2015 (Exhibit CSB-1, Schedule CCA-1, filed March 2, 2016)	(965,767)
3.	Total over/(under)-recovery (Line 1 + 2) (To be included in January 2017 - December 2017)	($816,536)
4.	Jurisdictional kWh sales, January 2017 - December 2017	11,022,525,000
5.	True-up factor (Line 3 / Line 4) x 100 (¢/kWh)	0.0074

PURCHASED POWER CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ESTIMATED TRUE-UP AMOUNT
GULF POWER COMPANY
FOR THE PERIOD JANUARY 2016 - DECEMBER 2016

		Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	Total
1	IIC Payments/(Receipts) ($)	(31,479)	(13,056)	(38,017)	16,919	(9,402)	(14,270)	0	0	0	0	0	0	(89,305)
2	Other Capacity Payments / (Receipts) ($)	7,386,547	7,386,547	7,386,547	7,385,880	7,435,880	7,402,529	7,198,087	7,198,087	7,198,087	7,198,087	7,198,087	7,185,442	87,559,807
3	Transmission Revenue ($)	(10,822)	(10,717)	(11,030)	(11,835)	(10,032)	(16,929)	(11,000)	(9,000)	(8,000)	(12,000)	(12,000)	(11,000)	(134,365)
4	Total Capacity Payments/(Receipts) ($)	7,344,246	7,362,774	7,337,500	7,390,964	7,416,446	7,371,330	7,187,087	7,189,087	7,190,087	7,186,087	7,186,087	7,174,442	87,336,137
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) ($)	7,129,167	7,147,152	7,122,618	7,174,517	7,199,252	7,155,458	6,976,610	6,978,552	6,979,522	6,975,640	6,975,640	6,964,336	84,778,464
7	Retail kWh Sales							1,179,840,000	1,166,950,000	1,021,925,000	839,139,000	734,554,000	826,023,000	
8	Purchased Power Capacity Cost Recovery Factor (¢/kWh)							0.775	0.775	0.775	0.775	0.775	0.775	
9	Capacity Cost Recovery Revenues (Line 7 x Line 8/100) ($)	7,003,282	5,860,819	5,737,058	5,697,267	7,358,473	8,615,382	9,143,760	9,043,863	7,919,919	6,503,327	5,692,794	6,401,678	84,977,622
10	Revenue Taxes (Line 9 x .00072) ($)	5,042	4,220	4,131	4,102	5,298	6,203	6,584	6,512	5,702	4,682	4,099	4,609	61,184
11	True-Up Provision ($)	1,491	1,488	1,488	1,488	1,488	1,488	1,488	1,488	1,488	1,488	1,488	1,488	17,859
12	Capacity Cost Recovery Revenues Net of Revenue Taxes (Line 9 - Line 10 + Line 11) ($)	6,999,731	5,858,087	5,734,415	5,694,653	7,354,663	8,610,667	9,138,664	9,038,839	7,915,705	6,500,133	5,690,183	6,398,557	84,934,297
13	Over/(Under) Recovery (Line 12 - Line 6) ($)	(129,436)	(1,289,065)	(1,388,203)	(1,479,864)	155,411	1,455,209	2,162,054	2,060,287	936,183	(475,507)	(1,285,457)	(565,779)	155,833
14	Interest Provision ($)	(337)	(590)	(1,097)	(1,463)	(1,509)	(1,344)	(811)	(143)	332	404	125	(169)	(6,602)
15	Total Estimated True-Up for the Period January 2016 - December 2016 (Line 13 + Line 14) ($)													149,231
16	Beginning Balance True-Up & Interest Provision ($)	(947,908)	(1,079,172)	(2,370,315)	(3,761,103)	(5,243,918)	(5,091,504)	(3,639,127)	(1,479,372)	579,284	1,514,311	1,037,720	(249,100)	(947,908)
17	True-Up Collected/(Refunded) ($)	(1,491)	(1,488)	(1,488)	(1,488)	(1,488)	(1,488)	(1,488)	(1,488)	(1,488)	(1,488)	(1,488)	(1,488)	(17,859)
18	Adjustment ($)	0	0	0	0	0	0	0	0	0	0	0	0	0
19	End of Period Total Net True-Up (Lines 13 + 14 + 16 + 17 + 18) ($)	(1,079,172)	(2,370,315)	(3,761,103)	(5,243,918)	(5,091,504)	(3,639,127)	(1,479,372)	579,284	1,514,311	1,037,720	(249,100)	(816,536)	(816,536)

Calculation of Purchased Power Capacity Cost Recovery Factors
Gulf Power Company
For January 2017 - December 2017

	A	B	C	D	E	F	G	H	I
Rate Class	Average 12 CP Load Factor at Meter	2017 Projected KWH Sales at Meter	Projected Avg 12 CP KW at Meter Col B / 8,760 hours x Col A	Demand Loss Expansion Factor	Energy Loss Expansion Factor	2017 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	57.542346%	5,336,892,000	1,058,758	1.00820508	1.00777864	5,378,405,762	1,067,445	48.82364%	56.78016%
GS	63.463164%	292,139,000	52,549	1.00820395	1.00777656	294,410,836	52,980	2.67258%	2.81814%
GSD, GSDT, GSTOU	73.488079%	2,650,042,000	411,653	1.00800263	1.00762887	2,670,258,826	414,948	24.23985%	22.07213%
LP, LPT	82.760718%	887,729,000	122,448	0.97344897	0.98364378	873,209,109	119,197	7.92674%	6.34039%
PX, PXT, RTP, SBS	85.375300%	1,704,488,000	227,907	0.95247952	0.96644352	1,647,291,383	217,077	14.95364%	11.54687%
OS - I / II	416.652542%	104,060,000	2,851	1.00802086	1.00777465	104,869,030	2,874	0.95197%	0.15287%
OS-III	99.799021%	47,175,000	5,396	1.00838359	1.00778595	47,542,302	5,441	0.43158%	0.28944%
TOTAL		11,022,525,000	1,881,563			11,015,987,248	1,879,962	100.00000%	100.00000%

Notes:
Col A - Average 12 CP load factor based on actual 2015 load research data.
Col C - 8,760 is the number of hours in 12 months

Calculation of Purchased Power Capacity Cost Recovery Factors
Gulf Power Company
For January 2017 - December 2017

Rate Class	A 2017 Percentage of KWH Sales at Generation Page 1, Col I	B Percentage of 12 CP KW Demand at Generation Page 1, Col J	C Energy-Related Costs ($)	D Demand-Related Costs ($)	E Total Capacity Costs ($) Col C + Col D	F 2017 Projected KWH Sales at Meter Page 1, Col B	G Capacity Cost Recovery Factors (¢ / KWH) Col E / Col F x 100	H 2017 Projected KW at Meter Page 1, Col C	I Capacity Costs Recovery Factors ($/KW) Col E / Col F x 100
RS, RSVP, RSTOU	48.82364%	56.78016%	3,170,063	44,240,053	47,410,116	5,336,892,000	0.888		
GS	2.67258%	2.81814%	173,528	2,195,743	2,369,271	292,139,000	0.811		
GSD, GSDT, GSTOU	24.23985%	22.07213%	1,573,866	17,197,419	18,771,285	2,650,042,000	0.708		
LP, LPT	7.92674%	6.34039%	514,674	4,940,092	5,454,766	887,729,000	0.000	1,833,899	2.97
PX, PXT, RTP, SBS	14.95364%	11.54687%	970,923	8,996,701	9,967,624	1,704,488,000	0.585		
OS - I / II	0.95197%	0.15287%	61,810	119,108	180,918	104,060,000	0.174		
OS-III	0.43158%	0.28944%	28,022	225,516	253,538	47,175,000	0.537		
TOTAL	100.00000%	100.00000%	$6,492,886	$77,914,632	$84,407,518	11,022,525,000	0.766	1,833,899	2.97

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

Gulf Power Company
2017 Capacity Contracts

	A	B	C	D	E	F	G	H	I	J	K	L	M
		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**									
7 **Souther Caroline Electric & Gas**	**1/1/2017**	**-**		**Other**									

8 **Capacity Costs ($)**		January	February	March	April	May	June	July	August	September	October	November	December	Total
9 Southern Intercompany Interchange		(8,772)	0	(10,569)	34,654	0	0	0	0	0	8,370	(804)	(8,708)	14,171
10 *PPAs*														
11 Shell Energy N.A. (U.S.), LP		[redacted]												
12 *Other*														
13 South Carolina PSA		[redacted]												
14 South Caroline Electric & Gas														
15	Total	7,162,091	7,170,863	7,160,294	7,205,517	7,170,863	7,170,863	7,170,863	7,170,863	7,170,863	7,179,233	7,170,059	7,162,155	86,064,527

16 **Capacity MW**	January	February	March	April	May	June	July	August	September	October	November	December
17 Southern Intercompany Interchange	(10.7)	0 0	(32.4)	212 3	0.0	0.0	0 0	0.0	0.0	51.2	(4 9)	53.3
18 *PPAs*												
19 Shell Energy N.A. (U.S.), LP	[redacted]											
20 *Other*												
21 South Carolina PSA	[redacted]											
22 South Caroline Electric & Gas												

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

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

FUEL AND PURCHASED POWER COST RECOVERY CLAUSE

Docket No. 160001-EI

PREPARED DIRECT TESTIMONY AND EXHIBITS OF

C. L. NICHOLSON

GENERATING PERFORMANCE INCENTIVE FACTOR TARGETS FOR

JANUARY 2017 – DECEMBER 2017

SEPTEMBER 1, 2016

GULF POWER

A SOUTHERN COMPANY

GULF POWER COMPANY

Before the Florida Public Service Commission
Direct Testimony of
C. L. Nicholson
Docket No. 160001-EI
Date of Filing: September 1, 2016

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 the Farley Project department as well as 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, 2017 through December 31, 2017.

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 Unit 7, Daniel Units 1 and 2, Smith Unit 3, and Scherer Unit 3 be included as the Company's GPIF units. The projected net generation from these units is approximately 89% of Gulf's projected net generation for 2017.

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, 2017 through December 31, 2017?

A. I would like to refer you to page 26 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 23 of Schedule 1 contain the weekly historical data used for the statistical development of these equations. Pages 24 and 25 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 26 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 Unit 7, Daniel Units 1 and 2, Smith Unit 3, and Scherer Unit 3 for inclusion under the GPIF for the period of January 1, 2017 through December 31, 2017.
2. The target, maximum attainable, and minimum attainable average net operating heat rates, as proposed by the Company and as shown on page 26 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. 160001-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
Power Generation Specialist Senior

Sworn to and subscribed before me this 31st day of August, 2016.

Notary Public, State of Florida at Large

MELISSA DARNES
MY COMMISSION # FF 912698
EXPIRES: December 17, 2019
Bonded Thru Budget Notary Services

EXHIBIT TO THE TESTIMONY OF

C. L. NICHOLSON

IN FPSC DOCKET 160001-EI

I. DETERMINATION OF HEAT RATE TARGETS

Target Heat Rate Equations

Scherer 3 ANOHR = 10^6 / AKW * [546.07 + 67.96 * FEB - 86.35 * MAR + 101.88 * MAY]
+ 9,691

Crist 7 ANOHR = 10^6 / AKW * [289.45 - 65.63 * JAN - 47.70 * FEB + 85.87 * APR + 114.25 * JUN + 68.08 * JUL + 66.42 * AUG]
+ 9,556

Daniel 1 ANOHR = 10^6 / AKW * [190.55 + 259.92 * APR + 111.26 * MAY + 74.52 * JUN + 183.30 * OCT + 100.15 * NOV]
+ 9,760

Daniel 2 ANOHR = 10^6 / AKW * [575.65 - 103.95 * FEB - 185.22 * MAR + 105.27 * JUN - 106.15 * NOV]
+ 8,491

Smith 3 ANOHR = 10^6 / AKW * [21.08 + 44.81 * FEB + 27.39 * MAR + 36.15 * APR + 45.63 * MAY + 55.90 * JUN - 43.01 * OCT]
+ 6,850

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 SCHERER 3 Target Heat Rate Equation

HtRt	HR	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
10546	168	595.13	414928	0	0	0	0	0	0	1	0	0	0	0	0	2013	JUL
10649	168	608.97	433882	0	0	0	0	0	0	1	0	0	0	0	0	2013	
10497	168	634.40	462806	0	0	0	0	0	0	1	0	0	0	0	0	2013	
10693	168	612.16	438457	0	0	0	0	0	0	1	0	0	0	0	0	2013	
10730	168	612.55	436378	0	0	0	0	0	0	0	1	0	0	0	0	2013	
10726	168	642.44	471353	0	0	0	0	0	0	0	1	0	0	0	0	2013	
10960	168	510.99	306540	0	0	0	0	0	0	0	1	0	0	0	0	2013	
10855	94	585.68	231620	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	
10861	153	456.89	220148	0	0	0	0	0	0	0	0	1	0	0	1	2013	
10638	168	625.21	446800	0	0	0	0	0	0	0	0	1	0	0	0	2013	
10725	168	638.13	459605	0	0	0	0	0	0	0	0	1	0	0	0	2013	
10908	168	578.12	389696	0	0	0	0	0	0	0	0	1	0	0	0	2013	
10202	168	625.38	448138	0	0	0	0	0	0	0	0	0	1	0	0	2013	
10467	168	676.71	506361	0	0	0	0	0	0	0	0	0	1	0	0	2013	
10429	168	676.51	506285	0	0	0	0	0	0	0	0	0	1	0	0	2013	
10474	168	721.79	561077	0	0	0	0	0	0	0	0	0	1	0	0	2013	
10634	168	584.77	402647	0	0	0	0	0	0	0	0	0	1	0	0	2013	
10667	168	582.26	390129	0	0	0	0	0	0	0	0	0	0	1	0	2013	
10276	168	621.44	414743	0	0	0	0	0	0	0	0	0	0	1	0	2013	
10289	168	652.94	460819	0	0	0	0	0	0	0	0	0	0	1	0	2013	
10277	168	667.10	477053	0	0	0	0	0	0	0	0	0	0	1	0	2013	
10395	165	606.58	407742	0	0	0	0	0	0	0	0	0	0	0	0	2013	DEC
10154	168	755.05	599195	0	0	0	0	0	0	0	0	0	0	0	0	2013	
10374	168	677.48	496623	0	0	0	0	0	0	0	0	0	0	0	0	2013	
10609	168	629.47	441761	0	0	0	0	0	0	0	0	0	0	0	0	2013	
10709	168	756.81	601134	1	0	0	0	0	0	0	0	0	0	0	0	2014	JAN
10655	168	613.00	425863	1	0	0	0	0	0	0	0	0	0	0	0	2014	
10478	168	719.18	553424	1	0	0	0	0	0	0	0	0	0	0	0	2014	
10509	168	782.67	635736	1	0	0	0	0	0	0	0	0	0	0	0	2014	
10474	168	783.11	636841	0	1	0	0	0	0	0	0	0	0	0	0	2014	
10503	168	723.32	535005	0	1	0	0	0	0	0	0	0	0	0	0	2014	
10903	113	567.23	265265	0	1	0	0	0	0	0	0	0	0	0	1	2014	
10511	168	773.38	624338	0	1	0	0	0	0	0	0	0	0	0	0	2014	
10248	144	789.23	551389	0	0	1	0	0	0	0	0	0	0	0	0	2014	
10274	167	710.90	542929	0	0	1	0	0	0	0	0	0	0	0	0	2014	
10538	168	593.09	402093	0	0	1	0	0	0	0	0	0	0	0	0	2014	
11013	168	369.88	164858	0	0	1	0	0	0	0	0	0	0	0	0	2014	
11294	168	317.67	104117	0	0	1	0	0	0	0	0	0	0	0	0	2014	
11437	168	308.25	95020	0	0	0	1	0	0	0	0	0	0	0	0	2014	
11034	168	414.70	208491	0	0	0	1	0	0	0	0	0	0	0	0	2014	
10970	77	351.35	73327	0	0	0	1	0	0	0	0	0	0	0	1	2014	
10676	168	570.68	372021	0	0	0	1	0	0	0	0	0	0	0	0	2014	
10506	168	586.00	379821	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10569	168	595.96	396958	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10488	159	598.40	383368	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10677	168	544.52	344465	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10507	168	615.81	426860	0	0	0	0	1	0	0	0	0	0	0	0	2014	
10557	168	662.15	482837	0	0	0	0	0	1	0	0	0	0	0	0	2014	
10687	168	597.61	405898	0	0	0	0	0	1	0	0	0	0	0	0	2014	
10595	168	646.73	470399	0	0	0	0	0	1	0	0	0	0	0	0	2014	
10587	168	623.04	441054	0	0	0	0	0	1	0	0	0	0	0	0	2014	
11140	168	615.27	434428	0	0	0	0	0	0	1	0	0	0	0	0	2014	

Data Base for SCHERER 3 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
10885	165	624.32	442508	0	0	0	0	0	0	1	0	0	0	0	0	2014	JUL
10771	168	481.25	276606	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10448	168	629.71	453293	0	0	0	0	0	0	1	0	0	0	0	0	2014	
10500	168	578.29	394099	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10739	168	538.54	341290	0	0	0	0	0	0	0	1	0	0	0	0	2014	
11042	168	514.49	310081	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10984	168	566.71	378203	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10774	168	556.72	370409	0	0	0	0	0	0	0	1	0	0	0	0	2014	
10638	168	587.61	404528	0	0	0	0	0	0	0	0	1	0	0	0	2014	
10584	168	532.53	332214	0	0	0	0	0	0	0	0	1	0	0	0	2014	
11029	168	482.73	264704	0	0	0	0	0	0	0	0	1	0	0	0	2014	
10848	145	449.57	200778	0	0	0	0	0	0	0	0	1	0	0	0	2014	
10959	165	533.24	322211	0	0	0	0	0	0	0	0	0	1	0	0	2014	
10529	168	603.48	398486	0	0	0	0	0	0	0	0	0	1	0	0	2014	
11178	168	407.32	184539	0	0	0	0	0	0	0	0	0	1	0	0	2014	
11101	168	402.63	179660	0	0	0	0	0	0	0	0	0	1	0	0	2014	
11048	168	396.23	173427	0	0	0	0	0	0	0	0	0	1	0	0	2014	
11284	168	405.97	180430	0	0	0	0	0	0	0	0	0	0	1	0	2014	
10797	168	647.46	469412	0	0	0	0	0	0	0	0	0	0	1	0	2014	
10815	168	617.15	428615	0	0	0	0	0	0	0	0	0	0	1	0	2014	
11116	168	437.03	227924	0	0	0	0	0	0	0	0	0	0	1	0	2014	
10939	70	421.84	90993	0	0	0	0	0	0	0	0	0	0	0	0	2014	DEC
10721	31	716.55	125714	0	0	0	0	0	0	0	0	0	0	0	1	2014	
10657	168	489.26	274234	0	0	0	0	0	0	0	0	0	0	0	0	2014	
11480	168	334.02	118203	0	0	0	0	0	0	0	0	0	0	0	0	2014	
11016	168	378.18	163220	1	0	0	0	0	0	0	0	0	0	0	0	2015	JAN
10995	168	461.85	255166	1	0	0	0	0	0	0	0	0	0	0	0	2015	
10843	168	486.92	292172	1	0	0	0	0	0	0	0	0	0	0	0	2015	
11175	168	431.68	224295	1	0	0	0	0	0	0	0	0	0	0	0	2015	
11067	168	440.23	230647	0	1	0	0	0	0	0	0	0	0	0	0	2015	
11287	168	401.79	192336	0	1	0	0	0	0	0	0	0	0	0	0	2015	
10870	168	536.42	344942	0	1	0	0	0	0	0	0	0	0	0	0	2015	
10457	168	797.71	657144	0	1	0	0	0	0	0	0	0	0	0	0	2015	
10416	144	753.37	516953	0	0	1	0	0	0	0	0	0	0	0	0	2015	
10180	71	710.41	236391	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	
*18180	9	186.33	5855	0	0	0	0	1	0	0	0	0	0	0	1	2015	
11313	168	625.54	441802	0	0	0	0	1	0	0	0	0	0	0	0	2015	
11625	168	499.21	294687	0	0	0	0	1	0	0	0	0	0	0	0	2015	
11124	168	521.91	330569	0	0	0	0	1	0	0	0	0	0	0	0	2015	
10748	168	564.07	376848	0	0	0	0	0	1	0	0	0	0	0	0	2015	
10647	168	589.92	412245	0	0	0	0	0	1	0	0	0	0	0	0	2015	
10530	168	643.70	475057	0	0	0	0	0	1	0	0	0	0	0	0	2015	
10837	168	563.89	379004	0	0	0	0	0	1	0	0	0	0	0	0	2015	
*12341	168	491.64	291905	0	0	0	0	0	0	1	0	0	0	0	0	2015	JUL
10205	168	643.59	474928	0	0	0	0	0	0	1	0	0	0	0	0	2015	

Data Base for SCHERER 3 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
10225	168	619.36	447746	0	0	0	0	0	0	1	0	0	0	0	0	2015	
9935	168	622.98	451472	0	0	0	0	0	0	1	0	0	0	0	0	2015	
10377	168	612.35	437624	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10393	168	627.54	454636	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10574	168	584.23	400959	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10790	168	569.36	386842	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10753	168	491.89	293031	0	0	0	0	0	0	0	1	0	0	0	0	2015	
*14164	168	567.29	376786	0	0	0	0	0	0	0	0	1	0	0	0	2015	
* 9831	168	454.12	247242	0	0	0	0	0	0	0	0	1	0	0	0	2015	
* 9460	168	493.68	281671	0	0	0	0	0	0	0	0	1	0	0	0	2015	
* 9561	168	508.58	303489	0	0	0	0	0	0	0	0	1	0	0	0	2015	
10523	168	490.82	287487	0	0	0	0	0	0	0	0	0	1	0	0	2015	
10810	168	480.65	269091	0	0	0	0	0	0	0	0	0	1	0	0	2015	
11558	168	317.83	102882	0	0	0	0	0	0	0	0	0	1	0	0	2015	
11352	168	327.78	109800	0	0	0	0	0	0	0	0	0	1	0	0	2015	
11032	168	343.42	124242	0	0	0	0	0	0	0	0	0	1	0	0	2015	
10505	168	351.90	134131	0	0	0	0	0	0	0	0	0	0	1	0	2015	
11719	168	359.02	141144	0	0	0	0	0	0	0	0	0	0	1	0	2015	
10430	50	425.34	73757	0	0	0	0	0	0	0	0	0	0	1	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2015	DEC
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2015	
10856	124	390.94	134389	1	0	0	0	0	0	0	0	0	0	0	1	2016	JAN
10632	168	441.46	227514	1	0	0	0	0	0	0	0	0	0	0	0	2016	
10750	168	465.69	265121	1	0	0	0	0	0	0	0	0	0	0	0	2016	
10679	168	481.56	289377	1	0	0	0	0	0	0	0	0	0	0	0	2016	
11534	168	322.86	108959	0	1	0	0	0	0	0	0	0	0	0	0	2016	
11052	168	430.00	229469	0	1	0	0	0	0	0	0	0	0	0	0	2016	
11421	168	351.31	136441	0	1	0	0	0	0	0	0	0	0	0	0	2016	
11570	167	326.07	113501	0	1	0	0	0	0	0	0	0	0	0	0	2016	
11180	168	361.80	143758	0	0	1	0	0	0	0	0	0	0	0	0	2016	
10767	168	420.57	211190	0	0	1	0	0	0	0	0	0	0	0	0	2016	
10309	167	543.48	345347	0	0	1	0	0	0	0	0	0	0	0	0	2016	
10582	168	469.82	251158	0	0	1	0	0	0	0	0	0	0	0	0	2016	
11325	168	318.38	103285	0	0	1	0	0	0	0	0	0	0	0	0	2016	
11487	168	334.78	116735	0	0	0	1	0	0	0	0	0	0	0	0	2016	
11235	18	434.56	31452	0	0	0	1	0	0	0	0	0	0	0	0	2016	
11312	77	342.06	66773	0	0	0	1	0	0	0	0	0	0	0	1	2016	
10766	168	505.95	307986	0	0	0	1	0	0	0	0	0	0	0	0	2016	
11198	168	435.45	226593	0	0	0	0	1	0	0	0	0	0	0	0	2016	
11111	168	474.64	259397	0	0	0	0	1	0	0	0	0	0	0	0	2016	
11122	168	424.15	207820	0	0	0	0	1	0	0	0	0	0	0	0	2016	
11211	168	386.43	170904	0	0	0	0	1	0	0	0	0	0	0	0	2016	
11125	168	454.01	244602	0	0	0	0	1	0	0	0	0	0	0	0	2016	
10937	168	471.55	268839	0	0	0	0	0	1	0	0	0	0	0	0	2016	
10536	168	598.57	418263	0	0	0	0	0	1	0	0	0	0	0	0	2016	
10779	168	521.56	332243	0	0	0	0	0	1	0	0	0	0	0	0	2016	
10660	168	599.39	423335	0	0	0	0	0	1	0	0	0	0	0	0	2016	

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	
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	
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

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	
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	
*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	
11116	168	278.23	81731	0	0	0	0	0	0	1	0	0	0	0	0	2015	JUL
10822	168	345.26	128535	0	0	0	0	0	0	1	0	0	0	0	0	2015	

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	
10779	168	341.33	126788	0	0	0	0	0	0	1	0	0	0	0	0	2015	
10633	168	345.46	129800	0	0	0	0	0	0	1	0	0	0	0	0	2015	
10699	168	333.22	120976	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10743	168	330.73	119044	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10752	168	290.93	90426	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10850	165	306.02	100184	0	0	0	0	0	0	0	1	0	0	0	0	2015	
* 9608	88	277.31	46148	0	0	0	0	0	0	0	1	0	0	0	1	2015	
10661	168	272.33	76499	0	0	0	0	0	0	0	0	1	0	0	0	2015	
10285	168	273.32	79342	0	0	0	0	0	0	0	0	1	0	0	0	2015	
10841	168	262.12	71026	0	0	0	0	0	0	0	0	1	0	0	0	2015	
10608	168	256.48	67205	0	0	0	0	0	0	0	0	1	0	0	0	2015	
10719	168	251.94	63867	0	0	0	0	0	0	0	0	0	1	0	0	2015	
11293	168	250.49	62992	0	0	0	0	0	0	0	0	0	1	0	0	2015	
10575	76	241.80	28184	0	0	0	0	0	0	0	0	0	1	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2015	
10761	129	240.70	52333	0	0	0	0	0	0	0	0	0	0	1	1	2015	
11263	40	233.65	16029	0	0	0	0	0	0	0	0	0	0	1	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	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	2016	JAN
11155	103	254.30	43182	1	0	0	0	0	0	0	0	0	0	0	1	2016	
10858	143	271.46	66947	1	0	0	0	0	0	0	0	0	0	0	0	2016	
10646	164	308.09	104531	1	0	0	0	0	0	0	0	0	0	0	1	2016	
10923	168	245.01	60076	0	1	0	0	0	0	0	0	0	0	0	0	2016	
10722	165	261.27	70881	0	1	0	0	0	0	0	0	0	0	0	0	2016	
10671	106	243.09	41988	0	1	0	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2016	
* 0	2	1.00	0	0	0	1	0	0	0	0	0	0	0	0	1	2016	
*13283	25	194.60	6618	0	0	1	0	0	0	0	0	0	0	0	1	2016	
10727	168	250.29	62816	0	0	0	1	0	0	0	0	0	0	0	0	2016	
11297	131	269.24	71569	0	0	0	1	0	0	0	0	0	0	0	1	2016	
*12037	66	218.53	22829	0	0	0	1	0	0	0	0	0	0	0	1	2016	
11125	168	255.12	67545	0	0	0	1	0	0	0	0	0	0	0	0	2016	
11039	168	270.23	76955	0	0	0	0	1	0	0	0	0	0	0	0	2016	
11137	164	258.70	71911	0	0	0	0	1	0	0	0	0	0	0	0	2016	
11481	144	213.61	40027	0	0	0	0	1	0	0	0	0	0	0	0	2016	
11156	110	238.62	43431	0	0	0	0	1	0	0	0	0	0	0	1	2016	
11261	145	258.72	65241	0	0	0	0	1	0	0	0	0	0	0	1	2016	
11057	168	276.80	86987	0	0	0	0	0	1	0	0	0	0	0	0	2016	
10978	168	309.55	108372	0	0	0	0	0	1	0	0	0	0	0	0	2016	
10618	168	291.18	97068	0	0	0	0	0	1	0	0	0	0	0	0	2016	
10862	168	302.46	104990	0	0	0	0	0	1	0	0	0	0	0	0	2016	

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	
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
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	

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	
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	
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
9793	168	261.24	80467	0	0	0	0	0	0	1	0	0	0	0	0	2015	JUL
10352	168	317.83	119548	0	0	0	0	0	0	1	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	
10112	168	339.26	133439	0	0	0	0	0	0	1	0	0	0	0	0	2015	
10141	168	338.11	131612	0	0	0	0	0	0	1	0	0	0	0	0	2015	
10432	168	324.33	123023	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10103	168	330.63	125684	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10899	59	283.07	43513	0	0	0	0	0	0	0	1	0	0	0	1	2015	
10762	168	277.88	92924	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10433	168	277.54	97730	0	0	0	0	0	0	0	1	0	0	0	0	2015	
9827	168	269.63	90941	0	0	0	0	0	0	0	0	1	0	0	0	2015	
9992	46	238.07	19783	0	0	0	0	0	0	0	0	1	0	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2015	
11497	163	179.39	39062	0	0	0	0	0	0	0	0	0	0	1	1	2015	
11665	155	193.32	44822	0	0	0	0	0	0	0	0	0	0	1	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2015	
*12668	43	160.28	8064	1	0	0	0	0	0	0	0	0	0	0	1	2016	JAN
11509	98	213.39	30163	1	0	0	0	0	0	0	0	0	0	0	1	2016	
11463	168	187.15	35979	1	0	0	0	0	0	0	0	0	0	0	0	2016	
11677	168	192.01	37868	1	0	0	0	0	0	0	0	0	0	0	0	2016	
11350	168	163.89	27218	0	1	0	0	0	0	0	0	0	0	0	0	2016	
11146	168	153.20	25037	0	1	0	0	0	0	0	0	0	0	0	0	2016	
10652	88	167.84	19332	0	1	0	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2016	
*14303	78	171.78	17401	0	0	0	1	0	0	0	0	0	0	0	1	2016	
11998	98	144.91	15066	0	0	0	0	1	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	0	0	0	1	0	0	0	0	0	0	2016	
10951	157	212.63	51963	0	0	0	0	0	1	0	0	0	0	0	1	2016	
*12393	168	214.51	59016	0	0	0	0	0	1	0	0	0	0	0	0	2016	
*12475	168	239.18	71855	0	0	0	0	0	1	0	0	0	0	0	0	2016	

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	
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	
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	

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	
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	JUL
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	
*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	
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	
11741	28	231.39	13153	0	0	0	1	0	0	0	0	0	0	0	1	2015	
10146	166	269.87	82719	0	0	0	1	0	0	0	0	0	0	0	0	2015	
10989	168	224.85	53849	0	0	0	1	0	0	0	0	0	0	0	0	2015	
10612	24	254.38	10650	0	0	0	1	0	0	0	0	0	0	0	0	2015	
11470	21	305.10	15435	0	0	0	0	1	0	0	0	0	0	0	1	2015	
*12317	168	310.23	110771	0	0	0	0	1	0	0	0	0	0	0	0	2015	
10833	167	325.46	120017	0	0	0	0	1	0	0	0	0	0	0	0	2015	
*12486	168	235.88	61746	0	0	0	0	1	0	0	0	0	0	0	0	2015	
11398	168	231.23	59103	0	0	0	0	1	0	0	0	0	0	0	0	2015	
11434	168	274.93	85278	0	0	0	0	0	1	0	0	0	0	0	0	2015	
11152	168	293.64	100222	0	0	0	0	0	1	0	0	0	0	0	0	2015	
*11867	167	319.70	118064	0	0	0	0	0	1	0	0	0	0	0	0	2015	
*12580	133	267.75	86481	0	0	0	0	0	1	0	0	0	0	0	0	2015	END OF JUN
10668	168	255.46	77756	0	0	0	0	0	0	1	0	0	0	0	0	2015	JUL
10603	165	317.47	120332	0	0	0	0	0	0	1	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	
10246	168	344.95	137685	0	0	0	0	0	0	1	0	0	0	0	0	2015	
10077	165	386.71	159903	0	0	0	0	0	0	1	0	0	0	0	0	2015	
10191	168	401.17	167864	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10089	168	414.90	175080	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10129	168	395.92	158537	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10264	168	389.34	154394	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10068	168	370.46	140364	0	0	0	0	0	0	0	1	0	0	0	0	2015	
10164	167	382.12	147637	0	0	0	0	0	0	0	0	1	0	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2015	
10514	87	299.00	58670	0	0	0	0	0	0	0	0	1	0	0	1	2015	
10591	168	280.43	96938	0	0	0	0	0	0	0	0	1	0	0	0	2015	
11061	168	210.22	49006	0	0	0	0	0	0	0	0	0	1	0	0	2015	
* 8154	71	223.04	23409	0	0	0	0	0	0	0	0	0	1	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2015	
11130	114	161.77	21470	0	0	0	0	0	0	0	0	0	0	1	1	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2015	
*13207	49	322.78	38512	0	0	0	0	0	0	0	0	0	0	0	1	2015	
11232	85	251.26	46386	0	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2015	
0	0	0.00	0	0	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	2016	JAN
12641	105	155.97	19321	1	0	0	0	0	0	0	0	0	0	0	1	2016	
12259	168	154.75	25692	1	0	0	0	0	0	0	0	0	0	0	0	2016	
11407	168	256.81	76125	1	0	0	0	0	0	0	0	0	0	0	0	2016	
11072	168	216.86	57172	0	1	0	0	0	0	0	0	0	0	0	0	2016	
10472	168	245.95	70420	0	1	0	0	0	0	0	0	0	0	0	0	2016	
* 9846	135	196.21	38742	0	1	0	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2016	
13054	65	177.20	16488	0	0	0	1	0	0	0	0	0	0	0	1	2016	
12157	168	147.01	22941	0	0	0	0	1	0	0	0	0	0	0	0	2016	
*13720	168	146.17	22195	0	0	0	0	1	0	0	0	0	0	0	0	2016	
13151	94	142.07	11722	0	0	0	0	1	0	0	0	0	0	0	0	2016	
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2016	
12709	64	156.13	12719	0	0	0	0	1	0	0	0	0	0	0	1	2016	
12953	168	161.96	29770	0	0	0	0	0	1	0	0	0	0	0	0	2016	
11726	168	209.00	51646	0	0	0	0	0	1	0	0	0	0	0	0	2016	
11949	167	208.34	54897	0	0	0	0	0	1	0	0	0	0	0	0	2016	
11688	166	232.04	66655	0	0	0	0	0	1	0	0	0	0	0	0	2016	

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	
	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	
	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

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	
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	
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	JAN
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	
6959	168	431.82	201517	0	0	0	0	0	0	1	0	0	0	0	0	2015	JUL
6986	168	485.68	241335	0	0	0	0	0	0	1	0	0	0	0	0	2015	

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	
6967	168	418.64	191199	0	0	0	0	0	0	1	0	0	0	0	0	2015	
6886	168	458.16	218834	0	0	0	0	0	0	1	0	0	0	0	0	2015	
6906	160	472.86	230617	0	0	0	0	0	0	0	1	0	0	0	0	2015	
6988	168	480.10	235762	0	0	0	0	0	0	0	1	0	0	0	0	2015	
6952	168	474.35	231401	0	0	0	0	0	0	0	1	0	0	0	0	2015	
6947	168	470.18	227103	0	0	0	0	0	0	0	1	0	0	0	0	2015	
6775	168	422.46	195125	0	0	0	0	0	0	0	1	0	0	0	0	2015	
6985	161	469.52	232050	0	0	0	0	0	0	0	0	1	0	0	0	2015	
7060	148	438.91	211420	0	0	0	0	0	0	0	0	1	0	0	0	2015	
6908	162	451.41	217884	0	0	0	0	0	0	0	0	1	0	0	0	2015	
6795	156	487.11	245275	0	0	0	0	0	0	0	0	1	0	0	0	2015	
6822	168	460.46	224494	0	0	0	0	0	0	0	0	0	1	0	0	2015	
6847	168	500.87	255269	0	0	0	0	0	0	0	0	0	1	0	0	2015	
6853	168	494.39	249931	0	0	0	0	0	0	0	0	0	1	0	0	2015	
6681	168	521.24	273351	0	0	0	0	0	0	0	0	0	1	0	0	2015	
6720	168	522.97	275549	0	0	0	0	0	0	0	0	0	1	0	0	2015	
6889	71	512.65	113773	0	0	0	0	0	0	0	0	0	0	1	0	2015	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2015	
6909	141	453.48	185505	0	0	0	0	0	0	0	0	0	0	0	1	2015	
6979	94	433.07	113680	0	0	0	0	0	0	0	0	0	0	1	1	2015	
6868	163	486.61	245635	0	0	0	0	0	0	0	0	0	0	0	0	2015	DEC
6988	148	448.75	209220	0	0	0	0	0	0	0	0	0	0	0	0	2015	
6870	163	484.80	243967	0	0	0	0	0	0	0	0	0	0	0	0	2015	
6957	126	435.36	174088	0	0	0	0	0	0	0	0	0	0	0	1	2015	
6891	168	496.32	254350	1	0	0	0	0	0	0	0	0	0	0	0	2016	JAN
6859	153	519.68	277779	1	0	0	0	0	0	0	0	0	0	0	0	2016	
6894	130	515.44	229112	1	0	0	0	0	0	0	0	0	0	0	1	2016	
6991	168	485.60	246903	1	0	0	0	0	0	0	0	0	0	0	0	2016	
7228	110	403.59	155457	0	1	0	0	0	0	0	0	0	0	0	1	2016	
7054	168	500.17	257028	0	1	0	0	0	0	0	0	0	0	0	0	2016	
7072	165	473.68	231559	0	1	0	0	0	0	0	0	0	0	0	0	2016	
7054	161	417.71	192705	0	1	0	0	0	0	0	0	0	0	0	0	2016	
7105	168	498.90	257037	0	0	1	0	0	0	0	0	0	0	0	0	2016	
7041	168	535.48	288616	0	0	1	0	0	0	0	0	0	0	0	0	2016	
7045	167	529.81	282229	0	0	1	0	0	0	0	0	0	0	0	0	2016	
6972	168	548.54	302169	0	0	1	0	0	0	0	0	0	0	0	0	2016	
6874	168	503.14	258650	0	0	1	0	0	0	0	0	0	0	0	0	2016	
7059	168	500.83	258691	0	0	0	1	0	0	0	0	0	0	0	0	2016	
7111	168	509.75	262778	0	0	0	1	0	0	0	0	0	0	0	0	2016	
7077	168	526.90	279997	0	0	0	1	0	0	0	0	0	0	0	0	2016	
6925	168	498.74	252475	0	0	0	1	0	0	0	0	0	0	0	0	2016	
6978	24	506.42	37133	0	0	0	0	1	0	0	0	0	0	0	0	2016	
7263	92	467.24	132714	0	0	0	0	1	0	0	0	0	0	0	1	2016	
7145	131	458.56	189336	0	0	0	0	1	0	0	0	0	0	0	0	2016	
7291	146	469.58	236852	0	0	0	0	1	0	0	0	0	0	0	1	2016	
7106	168	496.28	249225	0	0	0	0	1	0	0	0	0	0	0	0	2016	
7200	168	490.28	243735	0	0	0	0	0	1	0	0	0	0	0	0	2016	
7159	168	498.89	251531	0	0	0	0	0	1	0	0	0	0	0	0	2016	
7083	168	470.33	227543	0	0	0	0	0	1	0	0	0	0	0	0	2016	
7102	168	472.74	229004	0	0	0	0	0	1	0	0	0	0	0	0	2016	

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 2017 - December 2017

		(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
SCHERER 3	Jan '17	423.3	199,557	10,981	310,312	
	Feb '17	444.7	218,167	11,071	291,690	
	Mar '17	482.9	253,300	10,643	349,154	
	Apr '17	456.8	229,030	10,886	302,853	
	May '17	469.4	240,604	11,071	277,865	
	Jun '17	493.5	263,483	10,797	349,923	
	Jul '17	511.3	281,009	10,759	374,756	
	Aug '17	510.9	280,609	10,759	369,910	
	Sep '17	459.0	231,032	10,880	10,558	
	Oct '17	0.0	0	-	0	
	Nov '17	402.5	182,206	11,047	236,658	
	Dec '17	441.3	215,159	10,928	321,276	10,878
CRIST 7	Jan '17	292.3	88,765	10,322	139,411	
	Feb '17	308.2	101,804	10,341	133,435	
	Mar '17	318.7	110,880	10,465	141,837	
	Apr '17	317.5	109,824	10,738	67,942	
	May '17	325.1	116,592	10,447	199,258	
	Jun '17	362.7	152,922	10,669	228,878	
	Jul '17	382.0	173,408	10,492	281,534	
	Aug '17	376.0	166,906	10,503	271,117	
	Sep '17	365.4	155,713	10,348	246,645	
	Oct '17	316.9	109,298	10,470	213,932	
	Nov '17	312.0	105,046	10,484	169,729	
	Dec '17	347.8	137,959	10,389	89,033	10,470

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 2017 - December 2017

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
DANIEL 1	Jan '17	222.0	50,016	10,619	79,712	
	Feb '17	250.5	63,700	10,521	84,421	
	Mar '17	233.2	55,198	10,577	113,545	
	Apr '17	263.2	70,325	11,472	13,947	
	May '17	259.8	68,520	10,922	81,846	
	Jun '17	286.2	83,152	10,686	167,137	
	Jul '17	336.3	114,785	10,327	241,808	
	Aug '17	329.1	109,928	10,339	241,861	
	Sep '17	300.9	91,909	10,394	211,213	
	Oct '17	251.8	64,363	11,245	38,778	
	Nov '17	239.0	57,981	10,977	66,437	
	Dec '17	299.8	91,239	10,396	34,477	10,539
DANIEL 2	Jan '17	228.3	52,939	11,012	85,381	
	Feb '17	257.3	67,022	10,324	69,732	
	Mar '17	231.6	54,459	10,176	28,481	
	Apr '17	0.0	0	-	0	
	May '17	247.6	62,129	10,815	10,399	
	Jun '17	287.3	83,318	10,861	155,726	
	Jul '17	334.6	112,580	10,211	244,952	
	Aug '17	327.7	108,039	10,247	239,840	
	Sep '17	292.1	86,088	10,461	157,708	
	Oct '17	265.9	71,514	10,655	70,185	
	Nov '17	228.4	52,985	10,546	66,464	
	Dec '17	226.8	52,255	11,029	10,660	10,468
SMITH 3	Jan '17	504.4	248,708	6,892	301,153	
	Feb '17	514.9	257,484	6,978	344,485	
	Mar '17	514.6	257,231	6,944	380,299	
	Apr '17	529.2	269,666	6,958	265,635	
	May '17	476.4	226,010	6,990	341,100	
	Jun '17	472.1	222,615	7,013	332,365	
	Jul '17	492.2	238,693	6,893	364,226	
	Aug '17	486.7	234,241	6,893	360,184	
	Sep '17	482.8	231,108	6,894	345,664	
	Oct '17	483.2	231,429	6,805	357,569	
	Nov '17	485.9	233,597	6,893	348,367	
	Dec '17	488.8	235,936	6,893	256,638	6,920

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 2017 - December 2017

Unit	Target Heat Rate BTU/KWH (0 Points)	Minimum Attainable Heat Rate (+ 10 Points)	Maximum Attainable Heat Rate (- 10 Points)
SCHERER 3	10,878	10,552	11,204
CRIST 7	10,470	10,156	10,784
DANIEL 1	10,539	10,223	10,855
DANIEL 2	10,468	10,154	10,782
SMITH 3	6,920	6,712	7,128

II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
Target Equivalent Availabilities
for January 2017 - December 2017

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR *	Planned Outage Hours for Jan '17 - Dec '17	Reserve Shutdown Hours for Jan '17 - Dec '17	Target Equivalent Availability **
Scherer 3	0.0394	1,560	61	79.0
Crist 7	0.0521	0	2,002	96.0
Daniel 1	0.1009	336	3,094	90.5
Daniel 2	0.0752	1,824	2,673	75.7
Smith 3	0.0201	432	54	93.1

* For Period July 2011 through June 2016.

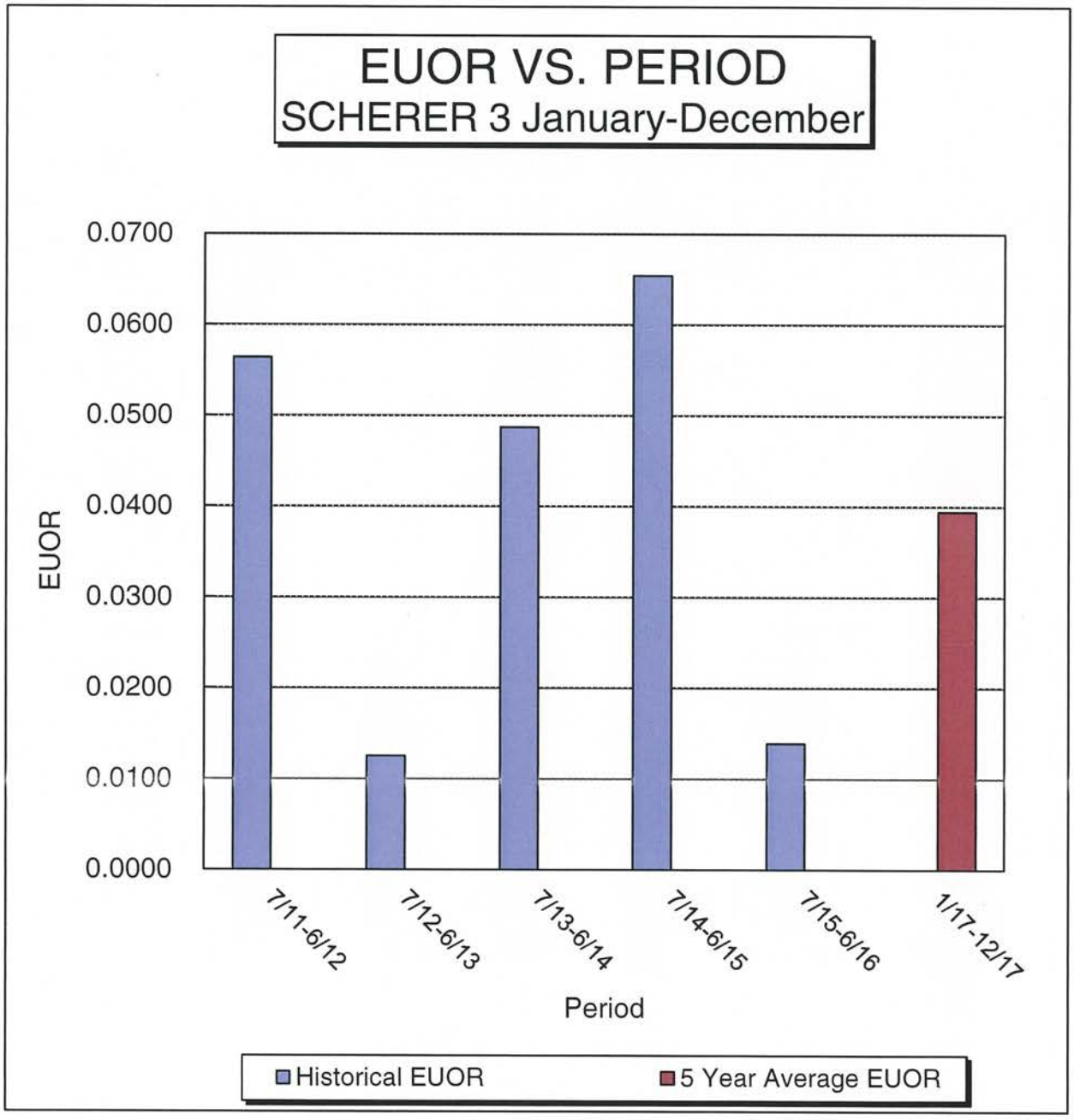
** EA = [1 - (POH + EUOR * (PH - POH - RSH)) / PH] * 100

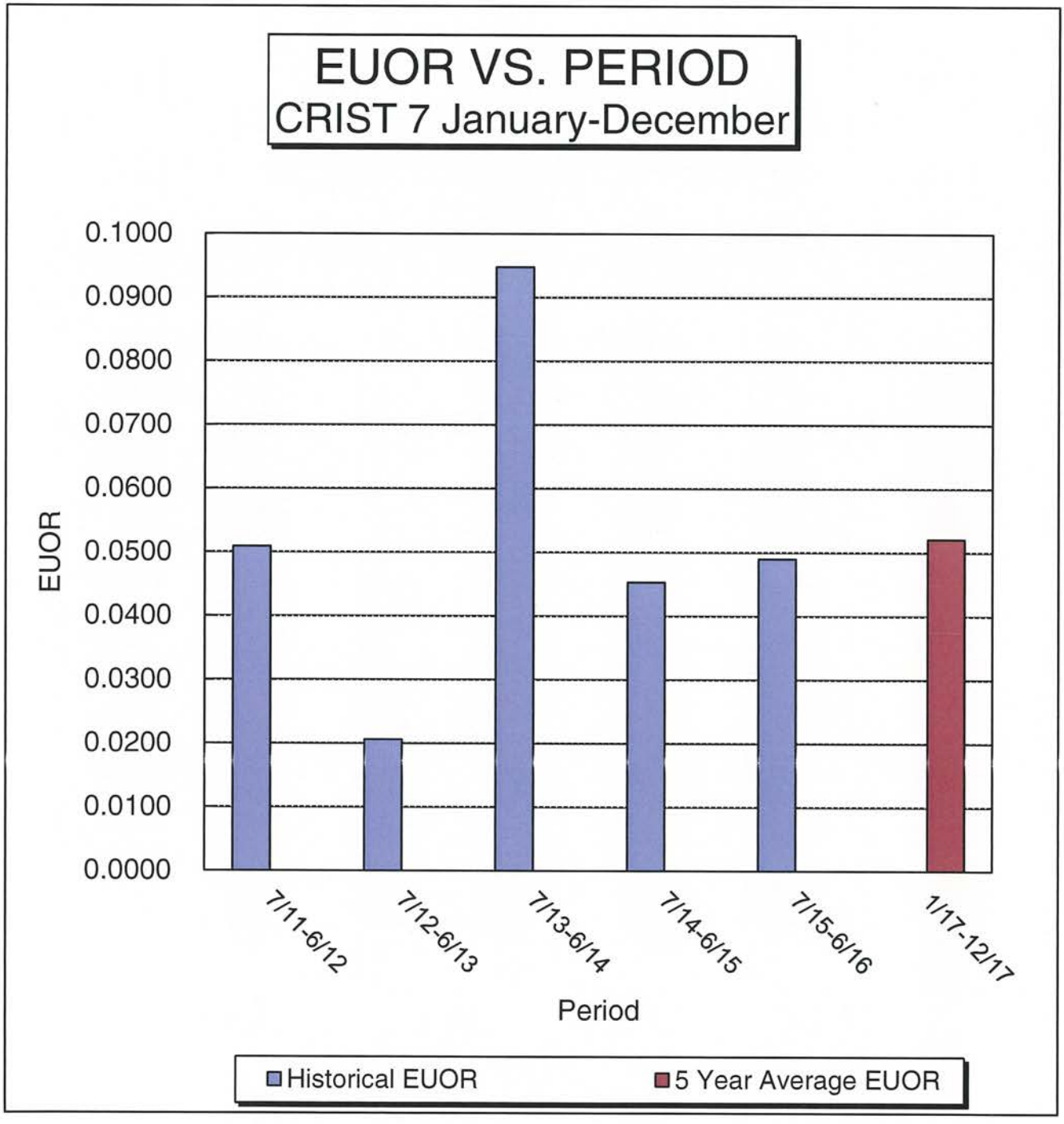
Calculation of Maximum and Minimum
Attainable Equivalent Availabilities
for January 2017 - December 2017

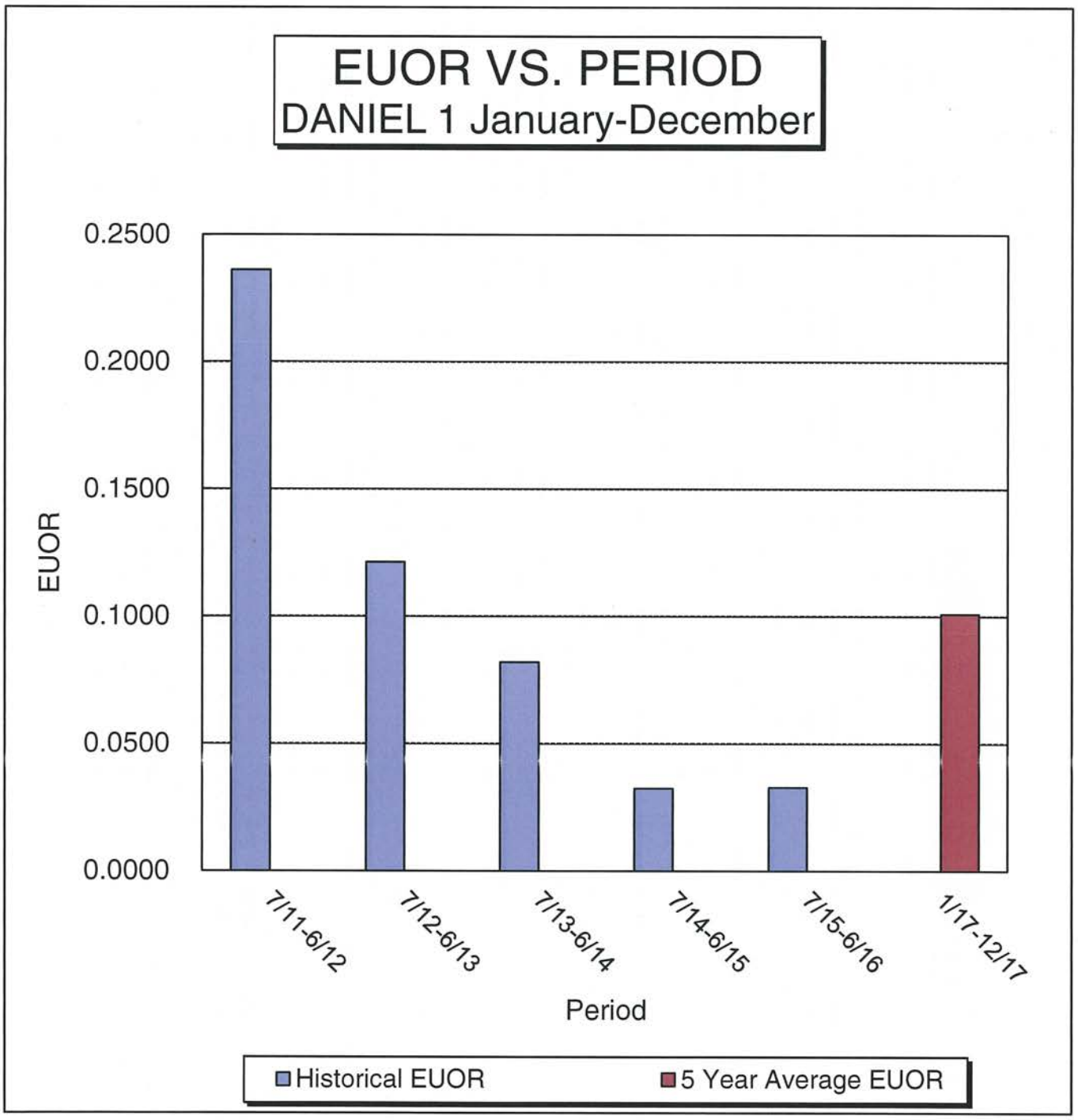
Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR (TARGET EUOR)	Minimum Attainable EUOR 70% of Target EUOR	Maximum Attainable Equivalent Availability	Maximum Attainable EUOR 145% of Target EUOR	Minimum Attainable Equivalent Availability
Scherer 3	0.0394	0.0276	79.9	0.0571	77.5
Crist 7	0.0521	0.0365	97.2	0.0755	94.2
Daniel 1	0.1009	0.0706	91.9	0.1463	87.3
Daniel 2	0.0752	0.0526	76.6	0.1090	73.9
Smith 3	0.0201	0.0141	93.7	0.0291	92.3

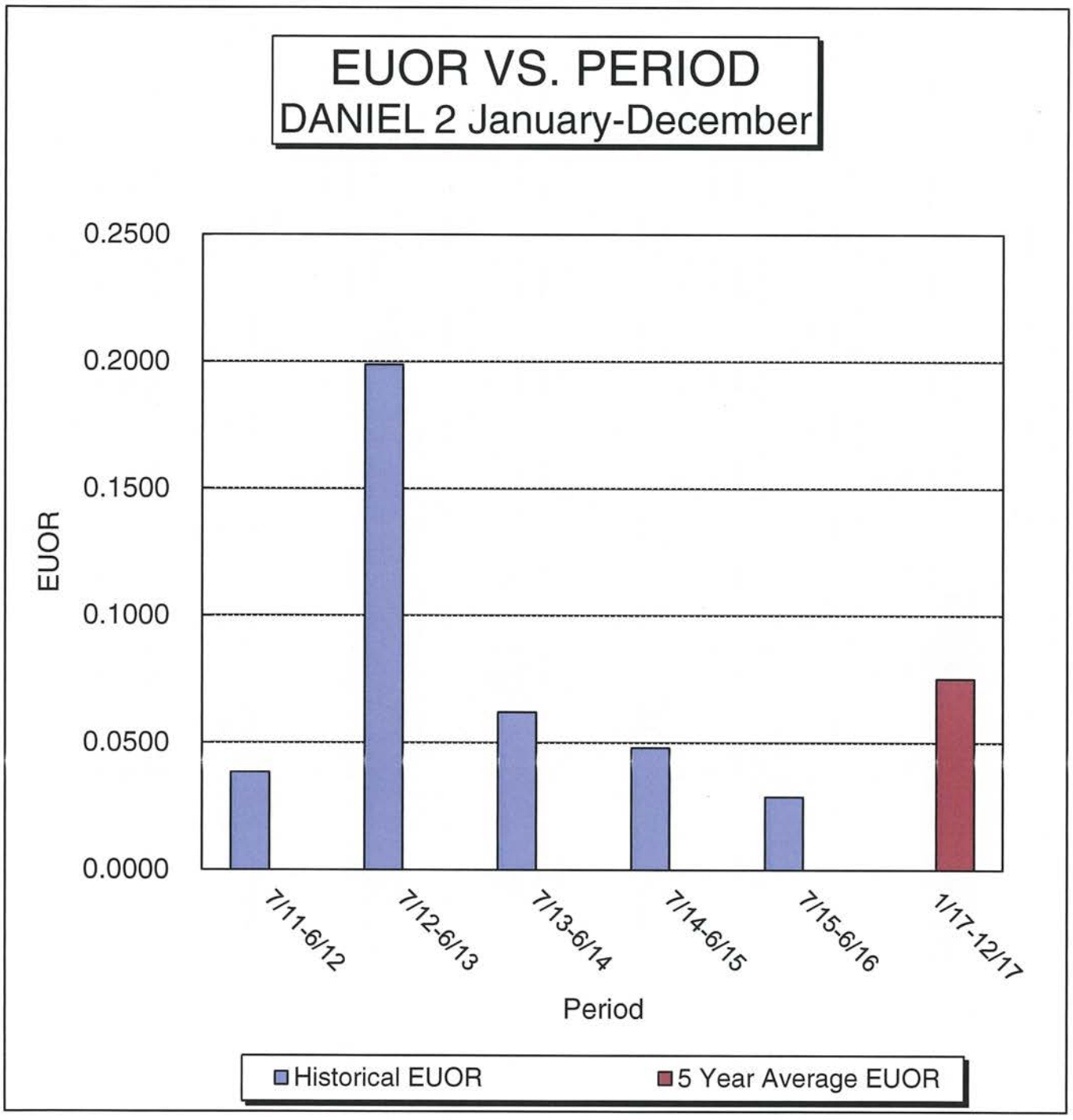
Summary of Target, Maximum, and Minimum
Equivalent Availabilities
for January 2017 - December 2017

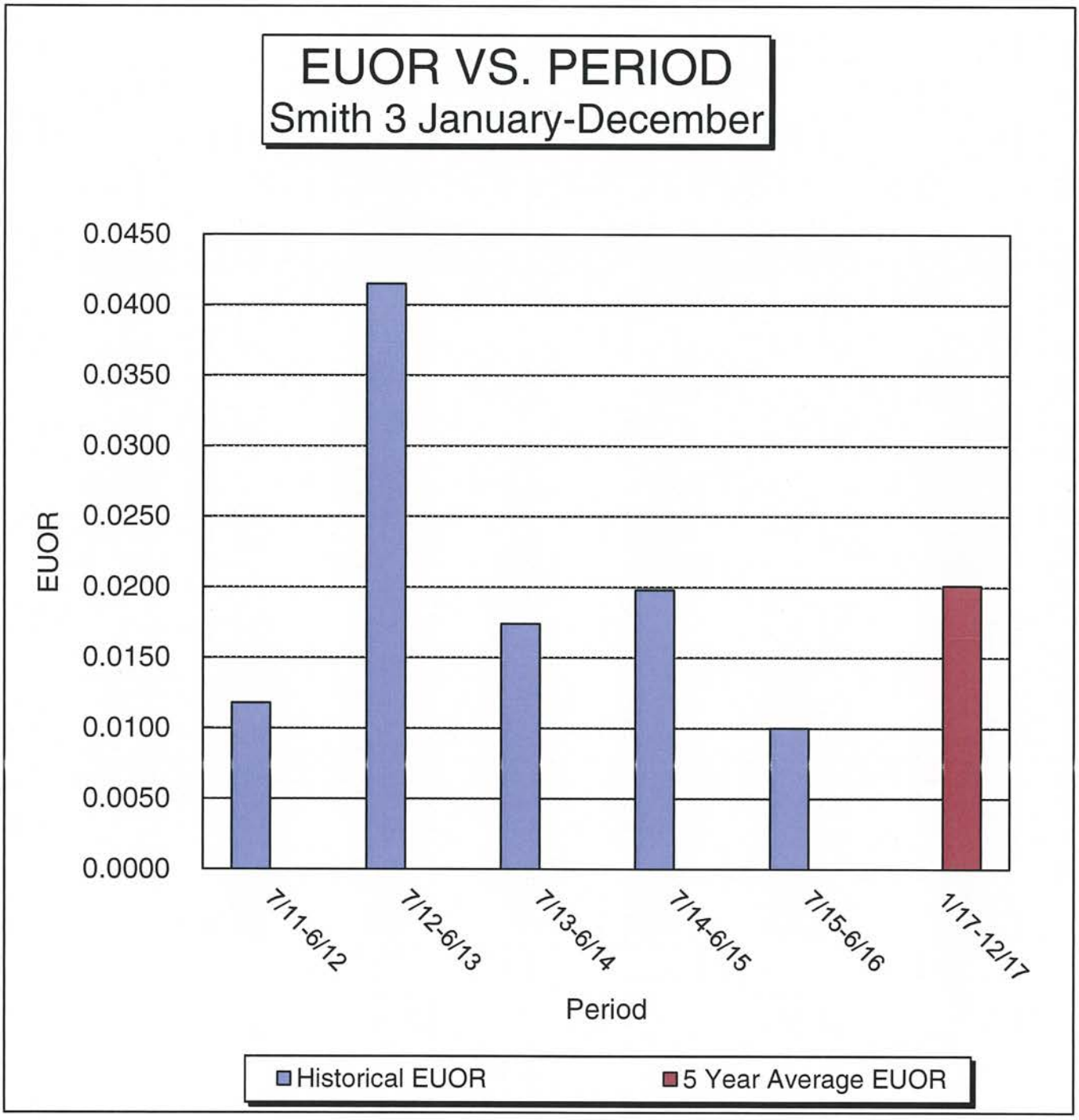
Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Scherer 3	79.0	79.9	77.5
Crist 7	96.0	97.2	94.2
Daniel 1	90.5	91.9	87.3
Daniel 2	75.7	76.6	73.9
Smith 3	93.1	93.7	92.3


EUOR VS. PERIOD
SCHERER 3 January-December
0.0700
0.0600
0.0500
0.0400
0.0300
0.0200
0.0100
0.0000
EUOR
7/11-6/12
7/12-6/13
7/13-6/14
7/14-6/15
7/15-6/16
1/17-12/17
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
CRIST 7 January-December
0.1000
0.0900
0.0800
0.0700
0.0600
0.0500
0.0400
0.0300
0.0200
0.0100
0.0000
EUOR
7/11-6/12
7/12-6/13
7/13-6/14
7/14-6/15
7/15-6/16
1/17-12/17
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
7/11-6/12
7/12-6/13
7/13-6/14
7/14-6/15
7/15-6/16
1/17-12/17
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
7/11-6/12
7/12-6/13
7/13-6/14
7/14-6/15
7/15-6/16
1/17-12/17
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
7/11-6/12
7/12-6/13
7/13-6/14
7/14-6/15
7/15-6/16
1/17-12/17
Period
Historical EUOR
5 Year Average EUOR

III. GPIF MINIMUM FILING REQUIREMENTS FOR THE PERIOD JANUARY 2017 - DECEMBER 2017

CONTENTS

Generating Performance Incentive Factor

Estimated Reward/Penalty Table

Gulf Power Company

Period of: January 2017 - December 2017

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	6672	3336
+ 9	6005	3002
+ 8	5338	2669
+ 7	4670	2335
+ 6	4003	2002
+ 5	3336	1668
+ 4	2669	1334
+ 3	2002	1001
+ 2	1334	667
+ 1	667	334
0	0	0
- 1	-649	-334
- 2	-1299	-667
- 3	-1948	-1001
- 4	-2598	-1334
- 5	-3247	-1668
- 6	-3896	-2002
- 7	-4546	-2335
- 8	-5195	-2669
- 9	-5845	-3002
- 10	-6494	-3336
	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 2017 - December 2017

Line 1	Beginning of Period Balance of Common Equity	$1,365,482,686
	End of Month Balance of Common Equity:	
Line 2	Month of Jan '16	$1,353,038,140
Line 3	Month of Feb '16	$1,358,713,221
Line 4	Month of Mar '16	$1,362,458,671
Line 5	Month of Apr '16	$1,332,750,825
Line 6	Month of May '16	$1,342,362,829
Line 7	Month of Jun '16	$1,358,614,370
Line 8	Month of Jul '16	$1,344,973,877
Line 9	Month of Aug '16	$1,361,358,121
Line 10	Month of Sep '16	$1,376,270,438
Line 11	Month of Oct '16	$1,351,665,074
Line 12	Month of Nov '16	$1,353,268,957
Line 13	Month of Dec '16	$1,375,018,655
Line 14	Average Common Equity for the Period (sum of line 1 through line 13 divided by 13)	$1,356,613,528
Line 15	25 Basis Points	0.0025
Line 16	Revenue Expansion Factor	61.1928%
Line 17	Maximum Allowed Incentive Dollars (line 14 multiplied by line 15 divided by line 16 multiplied by 1.0)	$5,542,374
Line 18	Jurisdictional Sales (KWH)	11,022,524,913
Line 19	Total Territorial Sales (KWH)	11,362,016,616
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)	97.0120%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 multiplied by line 20)	$5,376,770
Line 22	Incentive Cap (50% of Projected Fuel Savings at 10 GPIF point level from sheet 6.389.4)	$3,336,000
Line 23	Maximum Allowed GPIF Reward (at 10 GPIF Pt. leve (The lesser of Line 21 and Line 22)	$3,336,000

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GPIF Unit Performance Summary

Gulf Power Company

Period of: January 2017 - December 2017

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range Max %	EAF Range Min %	Max Fuel Savings ($000)	Max Fuel Loss ($000)
Scherer 3	0.3%	79.0	79.9	77.5	$22	$20
Crist 7	0.1%	96.0	97.2	94.2	$10	$5
Daniel 1	0.0%	90.5	91.9	87.3	$1	$6
Daniel 2	0.1%	75.7	76.6	73.9	$5	$4
Smith 3	0.7%	93.1	93.7	92.3	$50	$55

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)
Scherer 3	26.2%	10,878	54.4	10,552	11,204	$1,750	($1,750)
Crist 7	24.8%	10,470	71.6	10,156	10,784	$1,655	($1,655)
Daniel 1	7.0%	10,539	55.7	10,223	10,855	$467	($467)
Daniel 2	5.8%	10,468	56.5	10,154	10,782	$386	($386)
Smith 3	34.9%	6,920	87.2	6,712	7,128	$2,326	($2,326)

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2017 - December 2017

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target			Actual Performance 1st Prior Period Jul '015 - Jun '016			Actual Performance 2nd Prior Period Jul '014 - Jun '015		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Scherer 3	0.3%	25.0%	0.1781	0.0318	0.0394	0.0000	0.0120	0.0139	0.1589	0.0550	0.0654
Crist 7	0.1%	11.4%	0.0000	0.0404	0.0521	0.1133	0.0322	0.0490	0.1938	0.0363	0.0453
Daniel 1	0.0%	1.1%	0.0384	0.0562	0.1009	0.0124	0.0135	0.0328	0.2231	0.0185	0.0324
Daniel 2	0.1%	5.7%	0.2082	0.0350	0.0752	0.0102	0.0153	0.0287	0.0495	0.0335	0.0480
Smith 3	0.7%	56.8%	0.0493	0.0193	0.0201	0.0583	0.0090	0.0100	0.0614	0.0182	0.0198
Weighted GPIF System Average:			0.0848	0.0261	0.0326	0.0467	0.0128	0.0167	0.1020	0.0303	0.0358

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2017 - December 2017

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Jul '013 - Jun '014			Actual Performance 4th Prior Period Jul '012 - Jun '013			Actual Performance 5th Prior Period Jul '011 - Jun '012		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Scherer 3	0.3%	25.0%	0.0000	0.0484	0.0487	0.1541	0.0102	0.0125	0.0000	0.0541	0.0564
Crist 7	0.1%	11.4%	0.0000	0.0927	0.0948	0.2632	0.0133	0.0206	0.0000	0.0470	0.0509
Daniel 1	0.0%	1.1%	0.0482	0.0519	0.0820	0.0000	0.0553	0.1213	0.1378	0.0872	0.2362
Daniel 2	0.1%	5.7%	0.2175	0.0338	0.0620	0.1514	0.0681	0.1988	0.2123	0.0201	0.0384
Smith 3	0.7%	56.8%	0.0447	0.0165	0.0174	0.0654	0.0386	0.0415	0.0390	0.0113	0.0118
Weighted GPIF System Average:			0.0383	0.0345	0.0373	0.1142	0.0305	0.0417	0.0358	0.0274	0.0315

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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 2017 - December 2017

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Heat Rate Target	1st Prior Period Heat Rate Jul '015 - Jun '016	2nd Prior Period Heat Rate Jul '014 - Jun '015	3rd Prior Period Heat Rate Jul '013 - Jun '014
Scherer 3	26.2%	26.6%	10,878	10,833	10,970	10,872
Crist 7	24.8%	25.1%	10,470	10,663	10,471	10,403
Daniel 1	7.0%	7.1%	10,539	10,549	10,624	10,504
Daniel 2	5.8%	5.9%	10,468	10,467	10,654	10,253
Smith 3	34.9%	35.3%	6,920	6,979	6,893	6,877
Weighted GPIF System Average:			9,329	9,387	9,361	9,280

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Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 7 Jul '014 - Jun '015

	Jul Jan	Aug Feb	Sep Mar	Oct Apr	Nov May	Dec Jun
1. Target Heat Rate*	10492.0 10322.0	10503.0 10341.0	10348.0 10465.0	10470.0 10738.0	10484.0 10447.0	10389.0 10669.0
2. Target Heat Rate at Actual Conditions**	10942.0 10428.0	10971.0 10465.0	10666.0 10706.0	0.0 11140.0	10742.0 10547.0	10658.0 10882.0
3. Adjustments to Actual Heat Rate (1-2)	-450.0 -106.0	-468.0 -124.0	-318.0 -241.0	10470.0 -402.0	-258.0 -100.0	-269.0 -213.0
4. Actual Heat Rate for Prior Period	10746.0 10328.0	10770.0 10512.0	11308.0 10866.0	0.0 11050.0	10727.0 10444.0	10619.0 10753.0
5. Adjusted actual Heat Rate (4+3)	10296.0 10222.0	10302.0 10388.0	10990.0 10625.0	10470.0 10648.0	10469.0 10344.0	10350.0 10540.0
6. Forecast Net MWH Generation*	281533.8 139410.5	271117.4 133435.1	246645.1 141836.9	213931.7 67941.7	169728.5 199258.0	89032.9 228878.4

7. Adjusted Actual Heat Rate for Jul '014 - Jun '015 = (Σ ((5) * (6))) / (Σ (6)) 10,471

* For the January 2017 - December 2017 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 2017 - December 2017

Plant & Unit	Unit Performance Indicator	Production Cost Simulation Fuel Cost ($000) At Target (1)	At Maximum Improvement (2)	Savings (3)	Weighting Factor (% of Savings)
Scherer 3	EA-3	$354,337	$354,315	$22	0.3%
Scherer 3	ANOHR-3	$354,337	$352,587	$1,750	26.2%
Crist 7	EA-4	$354,337	$354,327	$10	0.1%
Crist 7	ANOHR-4	$354,337	$352,682	$1,655	24.8%
Daniel 1	EA-5	$354,337	$354,336	$1	0.0%
Daniel 1	ANOHR-5	$354,337	$353,870	$467	7.0%
Daniel 2	EA-6	$354,337	$354,332	$5	0.1%
Daniel 2	ANOHR-6	$354,337	$353,951	$386	5.8%
Smith 3	EA-7	$354,337	$354,287	$50	0.7%
Smith 3	ANOHR-7	$354,337	$352,011	$2,326	34.9%

(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 2017 - December 2017

Scherer 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	22	79.90	+ 10	1,750	10,552
+ 9	20	79.81	+ 9	1,575	10,577
+ 8	18	79.72	+ 8	1,400	10,602
+ 7	15	79.63	+ 7	1,225	10,627
+ 6	13	79.54	+ 6	1,050	10,652
+ 5	11	79.45	+ 5	875	10,678
+ 4	9	79.36	+ 4	700	10,703
+ 3	7	79.27	+ 3	525	10,728
+ 2	4	79.18	+ 2	350	10,753
+ 1	2	79.09	+ 1	175	10,778
				0	10,803
0	0	79.00	0	0	10,878
				0	10,953
- 1	2	78.85	- 1	(175)	10,978
- 2	4	78.70	- 2	(350)	11,003
- 3	6	78.55	- 3	(525)	11,028
- 4	8	78.40	- 4	(700)	11,053
- 5	10	78.25	- 5	(875)	11,079
- 6	12	78.10	- 6	(1,050)	11,104
- 7	14	77.95	- 7	(1,225)	11,129
- 8	16	77.80	- 8	(1,400)	11,154
- 9	18	77.65	- 9	(1,575)	11,179
- 10	20	77.50	- 10	(1,750)	11,204
Weighting Factor:		0.003	Weighting Factor:		0.262

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2017 - December 2017

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	10	97.20	+ 10	1,655	10,156
+ 9	9	97.08	+ 9	1,490	10,180
+ 8	8	96.96	+ 8	1,324	10,204
+ 7	7	96.84	+ 7	1,159	10,228
+ 6	6	96.72	+ 6	993	10,252
+ 5	5	96.60	+ 5	828	10,276
+ 4	4	96.48	+ 4	662	10,299
+ 3	3	96.36	+ 3	497	10,323
+ 2	2	96.24	+ 2	331	10,347
+ 1	1	96.12	+ 1	166	10,371
				0	10,395
0	0	96.00	0	0	10,470
				0	10,545
- 1	1	95.82	- 1	(166)	10,569
- 2	1	95.64	- 2	(331)	10,593
- 3	2	95.46	- 3	(497)	10,617
- 4	2	95.28	- 4	(662)	10,641
- 5	3	95.10	- 5	(828)	10,665
- 6	3	94.92	- 6	(993)	10,688
- 7	4	94.74	- 7	(1,159)	10,712
- 8	4	94.56	- 8	(1,324)	10,736
- 9	5	94.38	- 9	(1,490)	10,760
- 10	5	94.20	- 10	(1,655)	10,784
Weighting Factor:		0.001	Weighting Factor:		0.248

Issued by: S. W. Connally, Jr.

Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2017 - December 2017

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	1	91.90	+ 10	467	10,223
+ 9	1	91.71	+ 9	420	10,247
+ 8	1	91.52	+ 8	374	10,271
+ 7	1	91.33	+ 7	327	10,295
+ 6	1	91.14	+ 6	280	10,319
+ 5	1	90.95	+ 5	234	10,344
+ 4	0	90.76	+ 4	187	10,368
+ 3	0	90.57	+ 3	140	10,392
+ 2	0	90.38	+ 2	93	10,416
+ 1	0	90.19	+ 1	47	10,440
				0	10,464
0	0	90.00	0	0	10,539
				0	10,614
- 1	1	89.73	- 1	(47)	10,638
- 2	1	89.46	- 2	(93)	10,662
- 3	2	89.19	- 3	(140)	10,686
- 4	2	88.92	- 4	(187)	10,710
- 5	3	88.65	- 5	(234)	10,735
- 6	4	88.38	- 6	(280)	10,759
- 7	4	88.11	- 7	(327)	10,783
- 8	5	87.84	- 8	(374)	10,807
- 9	5	87.57	- 9	(420)	10,831
- 10	6	87.30	- 10	(467)	10,855
Weighting Factor:		0.000	Weighting Factor:		0.070

Issued by: S. W. Connally, Jr.

Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2017 - December 2017

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	5	76.60	+ 10	386	10,154
+ 9	5	76.49	+ 9	347	10,178
+ 8	4	76.38	+ 8	309	10,202
+ 7	4	76.27	+ 7	270	10,226
+ 6	3	76.16	+ 6	232	10,250
+ 5	3	76.05	+ 5	193	10,274
+ 4	2	75.94	+ 4	154	10,297
+ 3	2	75.83	+ 3	116	10,321
+ 2	1	75.72	+ 2	77	10,345
+ 1	1	75.61	+ 1	39	10,369
				0	10,393
0	0	75.50	0	0	10,468
				0	10,543
- 1	0	75.34	- 1	(39)	10,567
- 2	1	75.18	- 2	(77)	10,591
- 3	1	75.02	- 3	(116)	10,615
- 4	2	74.86	- 4	(154)	10,639
- 5	2	74.70	- 5	(193)	10,663
- 6	2	74.54	- 6	(232)	10,686
- 7	3	74.38	- 7	(270)	10,710
- 8	3	74.22	- 8	(309)	10,734
- 9	4	74.06	- 9	(347)	10,758
- 10	4	73.90	- 10	(386)	10,782
Weighting Factor:		0.001	Weighting Factor:		0.058

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2017 - December 2017

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	50	93.70	+ 10	2,326	6,712
+ 9	45	93.65	+ 9	2,093	6,725
+ 8	40	93.60	+ 8	1,861	6,739
+ 7	35	93.55	+ 7	1,628	6,752
+ 6	30	93.50	+ 6	1,396	6,765
+ 5	25	93.45	+ 5	1,163	6,779
+ 4	20	93.40	+ 4	930	6,792
+ 3	15	93.35	+ 3	698	6,805
+ 2	10	93.30	+ 2	465	6,818
+ 1	5	93.25	+ 1	233	6,832
				0	6,845
0	0	93.20	0	0	6,920
				0	6,995
- 1	6	93.11	- 1	(233)	7,008
- 2	11	93.02	- 2	(465)	7,022
- 3	17	92.93	- 3	(698)	7,035
- 4	22	92.84	- 4	(930)	7,048
- 5	28	92.75	- 5	(1,163)	7,062
- 6	33	92.66	- 6	(1,396)	7,075
- 7	39	92.57	- 7	(1,628)	7,088
- 8	44	92.48	- 8	(1,861)	7,101
- 9	50	92.39	- 9	(2,093)	7,115
- 10	55	92.30	- 10	(2,326)	7,128
Weighting Factor:		0.007	Weighting Factor:		0.349

Issued by: S. W. Connally, Jr.

ESTIMATED UNIT PERFORMANCE DATA

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2017 - December 2017

	SCHERER 3	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	
1.	EAF (%)	98.5	98.5	98.5	92.2	83.1	97.9	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	1.5	1.5	1.5	7.8	16.9	2.1	
4.	EUOR (%)	1.5	1.5	1.5	7.8	17.5	2.1	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	733.0	656.0	723.0	663.0	592.0	709.0	
7.	RSH	0.0	6.0	9.0	1.0	26.0	0.0	
8.	UH	11.0	10.0	11.0	56.0	126.0	11.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	11.0	10.0	11.0	10.0	9.0	15.0	
11.	MOH & EMOH	0.0	0.0	0.0	46.0	117.0	0.0	
12.	Oper MBtu	3407532	3229304	3716042	3296860	3076241	3778116	
13.	Net Gen (MWH)	310311.6	291690.4	349153.6	302853.2	277864.8	349922.8	
14.	ANOHR (Btu/KWH)	10981.0	11071.0	10643.0	10886.0	11071.0	10797.0	
15.	NOF %	49.6	52.1	56.5	53.5	55.0	57.8	
16.	NPC (MW)	854.0	854.0	854.0	854.0	854.0	854.0	

19.	ANOHR Equation	10^6 / AKW * [546.07 + 67.96 * FEB - 86.35 * MAR + 101.88 * MAY] + 9,691

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2017 - December 2017

	SCHERER 3	Jul '17	Aug '17	Sep '17	Oct '17	Nov '17	Dec '17	Total
1.	EAF (%)	98.0	98.0	3.3	0.0	82.1	98.5	79.0
2.	POF (%)	0.0	0.0	96.7	100.0	16.6	0.0	17.8
3.	EUOF (%)	2.0	2.0	0.0	0.0	1.3	1.5	3.2
4.	EUOR (%)	2.0	2.0	0.0	0.0	1.5	1.5	3.9
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	733.0	724.0	23.0	0.0	588.0	728.0	6872.0
7.	RSH	0.0	9.0	1.0	0.0	4.0	5.0	61.0
8.	UH	11.0	11.0	696.0	744.0	129.0	11.0	1827.0
9.	POH	0.0	0.0	696.0	744.0	120.0	0.0	1560.0
10.	FOH & EFOH	15.0	15.0	0.0	0.0	9.0	11.0	116.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	163.0
12.	Oper MBtu	4031996	3979862	114867	0	2614357	3510904	34756081
13.	Net Gen (MWH)	374755.6	369910.0	10557.6	0.0	236657.6	321276.0	3194953.2
14.	ANOHR (Btu/KWH)	10759.0	10759.0	10880.0	-	11047.0	10928.0	10878.0
15.	NOF %	59.9	59.8	53.8	0.0	47.1	51.7	54.4
16.	NPC (MW)	854.0	854.0	854.0	854.0	854.0	854.0	854.0

19.	ANOHR Equation	10^6 / AKW * [546.07 + 67.96 * FEB - 86.35 * MAR + 101.88 * MAY] + 9,691

Issued by: S. W. Connally, Jr.

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2017 - December 2017

	CRIST 7	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	
1.	EAF (%)	99.5	99.4	86.5	72.8	98.4	98.8	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	0.5	0.6	13.5	27.2	1.6	1.2	
4.	EUOR (%)	0.8	0.9	18.3	48.0	1.9	1.4	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	477.0	433.0	445.0	214.0	613.0	631.0	
7.	RSH	263.0	235.0	198.0	312.0	125.0	83.0	
8.	UH	4.0	4.0	100.0	194.0	6.0	6.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	4.0	4.0	4.0	4.0	12.0	9.0	
11.	MOH & EMOH	0.0	0.0	96.0	192.0	0.0	0.0	
12.	Oper MBtu	1438995	1379852	1484323	729558	2081648	2441904	
13.	Net Gen (MWH)	139410.5	133435.1	141836.9	67941.7	199258.0	228878.4	
14.	ANOHR (Btu/KWH)	10322.0	10341.0	10465.0	10738.0	10447.0	10669.0	
15.	NOF %	61.5	64.9	67.1	66.8	68.4	76.4	
16.	NPC (MW)	475.0	475.0	475.0	475.0	475.0	475.0	

19.	ANOHR Equation	10^6 / AKW * [289.45 - 65.63 * JAN - 47.70 * FEB + 85.87 * APR + 114.25 * JUN + 68.08 * JUL + 66.42 * AUG] + 9,556

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2017 - December 2017

	CRIST 7	Jul '17	Aug '17	Sep '17	Oct '17	Nov '17	Dec '17	Total
1.	EAF (%)	98.9	99.1	98.5	99.9	100.0	99.7	96.0
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	1.1	0.9	1.5	0.1	0.0	0.3	4.0
4.	EUOR (%)	1.1	1.0	1.6	0.1	0.0	0.8	5.2
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	737.0	721.0	675.0	675.0	544.0	256.0	6421.0
7.	RSH	0.0	16.0	39.0	68.0	177.0	486.0	2002.0
8.	UH	7.0	7.0	6.0	1.0	0.0	2.0	337.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	8.0	7.0	11.0	1.0	0.0	2.0	66.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	288.0
12.	Oper MBtu	2953853	2847546	2552283	2239865	1779434	924963	22854224
13.	Net Gen (MWH)	281533.8	271117.4	246645.1	213931.7	169728.5	89032.9	2182750.0
14.	ANOHR (Btu/KWH)	10492.0	10503.0	10348.0	10470.0	10484.0	10389.0	10470.0
15.	NOF %	80.4	79.2	76.9	66.7	65.7	73.2	71.6
16.	NPC (MW)	475.0	475.0	475.0	475.0	475.0	475.0	475.0

19.	ANOHR Equation	10^6 / AKW * [289.45 - 65.63 * JAN - 47.70 * FEB + 85.87 * APR + 114.25 * JUN + 68.08 * JUL + 66.42 * AUG] + 9,556

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2017 - December 2017

	DANIEL 1	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	
1.	EAF (%)	99.3	99.4	99.2	99.9	54.3	99.0	
2.	POF (%)	0.0	0.0	0.0	0.0	45.2	0.0	
3.	EUOF (%)	0.7	0.6	0.8	0.1	0.5	1.0	
4.	EUOR (%)	1.4	1.2	1.2	1.9	1.3	1.2	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	359.0	337.0	487.0	53.0	315.0	584.0	
7.	RSH	380.0	331.0	250.0	666.0	89.0	129.0	
8.	UH	5.0	4.0	6.0	1.0	340.0	7.0	
9.	POH	0.0	0.0	0.0	0.0	336.0	0.0	
10.	FOH & EFOH	5.0	4.0	6.0	1.0	4.0	7.0	
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	846457	888193	1200961	160000	893924	1786022	
13.	Net Gen (MWH)	79711.6	84421.0	113544.6	13947.0	81846.2	167136.6	
14.	ANOHR (Btu/KWH)	10619.0	10521.0	10577.0	11472.0	10922.0	10686.0	
15.	NOF %	43.5	49.1	45.7	51.6	50.9	56.1	
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	

19.	ANOHR Equation	10^6 / AKW * [190.55 + 259.92 * APR + 111.26 * MAY + 74.52 * JUN + 183.30 * OCT + 100.15 * NOV] + 9,760

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2017 - December 2017

	DANIEL 1	Jul '17	Aug '17	Sep '17	Oct '17	Nov '17	Dec '17	Total
1.	EAF (%)	98.8	98.8	98.8	73.9	79.6	87.0	90.5
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	3.8
3.	EUOF (%)	1.2	1.2	1.2	26.1	20.4	13.0	5.7
4.	EUOR (%)	1.2	1.2	1.3	55.7	34.6	45.8	9.2
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	719.0	735.0	702.0	154.0	278.0	115.0	4838.0
7.	RSH	16.0	0.0	9.0	396.0	296.0	532.0	3094.0
8.	UH	9.0	9.0	9.0	194.0	147.0	97.0	828.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	336.0
10.	FOH & EFOH	9.0	9.0	9.0	2.0	3.0	1.0	60.0
11.	MOH & EMOH	0.0	0.0	0.0	192.0	144.0	96.0	432.0
12.	Oper MBtu	2497151	2500603	2195346	436054	729281	358421	14492413
13.	Net Gen (MWH)	241808.0	241861.2	211212.8	38777.6	66437.2	34476.8	1375180.6
14.	ANOHR (Btu/KWH)	10327.0	10339.0	10394.0	11245.0	10977.0	10396.0	10539.0
15.	NOF %	65.9	64.5	59.0	49.4	46.9	58.8	55.7
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	510.0

19.	ANOHR Equation	10^6 / AKW * [190.55 + 259.92 * APR + 111.26 * MAY + 74.52 * JUN + 183.30 * OCT + 100.15 * NOV] + 9,760

Issued by: S. W. Connally, Jr.

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2017 - December 2017

	DANIEL 2	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	
1.	EAF (%)	92.7	70.8	41.6	0.0	9.5	98.5	
2.	POF (%)	0.0	0.0	58.1	100.0	90.3	0.0	
3.	EUOF (%)	7.3	29.2	0.3	0.0	0.2	1.5	
4.	EUOR (%)	12.6	42.0	1.6	0.0	2.3	2.0	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	374.0	271.0	123.0	0.0	42.0	542.0	
7.	RSH	316.0	205.0	186.0	0.0	29.0	169.0	
8.	UH	54.0	196.0	434.0	720.0	673.0	9.0	
9.	POH	0.0	0.0	432.0	720.0	672.0	0.0	
10.	FOH & EFOH	6.0	4.0	2.0	0.0	1.0	11.0	
11.	MOH & EMOH	48.0	192.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	940218	719915	289825	0	112463	1691342	
13.	Net Gen (MWH)	85381.2	69732.2	28481.2	0.0	10398.8	155726.2	
14.	ANOHR (Btu/KWH)	11012.0	10324.0	10176.0	-	10815.0	10861.0	
15.	NOF %	44.8	50.5	45.4	0.0	48.5	56.3	
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	

19.	ANOHR Equation	10^6 / AKW * [575.65 - 103.95 * FEB - 185.22 * MAR + 105.27 * JUN - 106.15 * NOV] + 8,491

Issued by: S. W. Connally, Jr.

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2017 - December 2017

	DANIEL 2	Jul '17	Aug '17	Sep '17	Oct '17	Nov '17	Dec '17	Total
1.	EAF (%)	98.4	98.4	98.8	99.5	99.3	99.9	75.7
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	20.8
3.	EUOF (%)	1.6	1.6	1.2	0.5	0.7	0.1	3.5
4.	EUOR (%)	1.6	1.6	1.6	1.5	1.7	2.1	7.2
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	732.0	732.0	540.0	264.0	291.0	47.0	3958.0
7.	RSH	0.0	0.0	171.0	476.0	425.0	696.0	2673.0
8.	UH	12.0	12.0	9.0	4.0	5.0	1.0	2129.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	1824.0
10.	FOH & EFOH	12.0	12.0	9.0	4.0	5.0	1.0	67.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	240.0
12.	Oper MBtu	2501203	2457640	1649783	747821	700927	117571	11928708
13.	Net Gen (MWH)	244951.8	239840.0	157708.0	70185.0	66463.8	10660.2	1139528.4
14.	ANOHR (Btu/KWH)	10211.0	10247.0	10461.0	10655.0	10546.0	11029.0	10468.0
15.	NOF %	65.6	64.2	57.3	52.1	44.8	44.5	56.5
16.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	510.0

19.	ANOHR Equation	10^6 / AKW * [575.65 - 103.95 * FEB - 185.22 * MAR + 105.27 * JUN - 106.15 * NOV] + 8,491

Issued by: S. W. Connally, Jr.

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2017 - December 2017

	SMITH 3	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	
1.	EAF (%)	83.5	99.6	99.5	69.7	98.5	99.6	
2.	POF (%)	0.0	0.0	0.0	30.0	0.0	0.0	
3.	EUOF (%)	16.5	0.4	0.5	0.3	1.5	0.4	
4.	EUOR (%)	17.1	0.4	0.5	0.4	1.5	0.4	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	597.0	669.0	739.0	502.0	716.0	704.0	
7.	RSH	24.0	0.0	0.0	0.0	17.0	13.0	
8.	UH	123.0	3.0	4.0	218.0	11.0	3.0	
9.	POH	0.0	0.0	0.0	216.0	0.0	0.0	
10.	FOH & EFOH	3.0	3.0	4.0	2.0	11.0	3.0	
11.	MOH & EMOH	120.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	2075544	2403819	2640794	1848289	2384287	2330875	
13.	Net Gen (MWH)	301152.6	344485.4	380298.7	265635.1	341099.7	332364.9	
14.	ANOHR (Btu/KWH)	6892.0	6978.0	6944.0	6958.0	6990.0	7013.0	
15.	NOF %	86.4	88.2	92.3	94.9	81.9	84.9	
16.	NPC (MW)	584.0	584.0	557.4	557.4	581.4	556.0	

19.	ANOHR Equation	10^6 / AKW * [21.08 + 44.81 * FEB + 27.39 * MAR + 36.15 * APR + 45.63 * MAY + 55.90 * JUN - 43.01 * OCT] + 6,850

Issued by: S. W. Connally, Jr.

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2017 - December 2017

	SMITH 3	Jul '17	Aug '17	Sep '17	Oct '17	Nov '17	Dec '17	Total
1.	EAF (%)	99.5	99.5	99.4	99.5	99.4	70.6	93.1
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	29.0	4.9
3.	EUOF (%)	0.5	0.5	0.6	0.5	0.6	0.4	1.9
4.	EUOR (%)	0.5	0.5	0.6	0.5	0.6	0.6	2.0
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	740.0	740.0	716.0	740.0	717.0	525.0	8105.0
7.	RSH	0.0	0.0	0.0	0.0	0.0	0.0	54.0
8.	UH	4.0	4.0	4.0	4.0	4.0	219.0	601.0
9.	POH	0.0	0.0	0.0	0.0	0.0	216.0	432.0
10.	FOH & EFOH	4.0	4.0	4.0	4.0	4.0	3.0	49.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	120.0
12.	Oper MBtu	2510613	2482748	2383004	2433256	2401296	1769006	27663531
13.	Net Gen (MWH)	364226.4	360184.0	345663.5	357568.9	348367.3	256638.0	3997684.5
14.	ANOHR (Btu/KWH)	6893.0	6893.0	6894.0	6805.0	6893.0	6893.0	6920.0
15.	NOF %	88.5	87.5	86.8	86.7	87.2	83.7	87.2
16.	NPC (MW)	556.0	556.0	556.0	557.4	557.4	584.0	565.6

19.	ANOHR Equation	10^6 / AKW * [21.08 + 44.81 * FEB + 27.39 * MAR + 36.15 * APR + 45.63 * MAY + 55.90 * JUN - 43.01 * OCT] + 6,850

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Planned Outage Schedules (Estimated)

Gulf Power Company

Period of: January 2017 - December 2017

Plant & Unit	Planned Outage Dates			Reason for Outage
Scherer 3	09/02/17	-	11/05/17	Condenser retube
Smith 3	04/22/17	-	04/30/17	Borescope inspection
Smith 3	12/02/17	-	12/10/17	Borescope inspection
Daniel 1	05/01/17	-	05/14/17	Common scrubber outage
Daniel 2	03/14/17	-	05/28/17	Generator rotor rewind

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Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: January 2017 - December 2017

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 2017 - December 2017, 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.: **160001-EI**

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the foregoing was furnished by electronic mail this 1st day of September, 2016 to the following:

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