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August 24, 2017

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

RE: Docket No. 20170001-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 C. Shane Boyett.
3. Prepared direct testimony and exhibit of C. L. Nicholson.

Pursuant to the Order Establishing Procedure in this docket, electronic copies of exhibit CSB-6, CSB-7, CSB-8 and CLN-2 will be provided to the parties under separate cover.

Sincerely,

A handwritten signature in blue ink that reads "Rhonda J. Alexander".

Rhonda J. Alexander
Regulatory, Forecasting and Pricing Manager

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Attachments

cc: Florida Public Service Commission
Danijela Janjic, Sr. Attorney, Office of the General Counsel (5 copies)
Gulf Power Company
Jeffrey A. Stone, Esq., General Counsel
Beggs & Lane
Russell Badders, Esq.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: Fuel and Purchased Power Cost)
Recovery Clauses and Generating) Docket No.: 20170001-EI
Performance Incentive Factor.) Filed: August 24, 2017
_____)

**PETITION OF GULF POWER COMPANY FOR APPROVAL OF
FINAL FUEL COST TRUE-UP AMOUNTS
FOR JANUARY 2016 THROUGH DECEMBER 2016;
FINAL GPIF ADJUSTMENT
FOR JANUARY 2016 THROUGH DECEMBER 2016;
ESTIMATED FUEL COST TRUE-UP AMOUNTS
FOR JANUARY 2017 THROUGH DECEMBER 2017;
PROJECTED FUEL COST RECOVERY AMOUNTS
FOR JANUARY 2018 THROUGH DECEMBER 2018;
FINAL PURCHASED POWER CAPACITY COST TRUE-UP AMOUNTS
FOR JANUARY 2016 THROUGH DECEMBER 2016;
ESTIMATED PURCHASED POWER CAPACITY COST TRUE-UP AMOUNTS
FOR JANUARY 2017 THROUGH DECEMBER 2017;
PROJECTED PURCHASED POWER CAPACITY COST RECOVERY AMOUNTS
FOR JANUARY 2018 THROUGH DECEMBER 2018;
ESTIMATED AS-AVAILABLE AVOIDED ENERGY COSTS;
GPIF TARGETS AND RANGES FOR JANUARY 2018 THROUGH DECEMBER 2018;
FINANCIAL HEDGING ACTIVITIES AND SETTLEMENTS
FOR AUGUST 2016 THROUGH JULY 2017;
FUEL COST RECOVERY FACTORS TO BE APPLIED BEGINNING WITH THE
PERIOD JANUARY 2018 THROUGH DECEMBER 2018; AND
CAPACITY COST RECOVERY FACTORS TO BE APPLIED BEGINNING WITH THE
PERIOD JANUARY 2018 THROUGH DECEMBER 2018**

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

<p>Jeffrey A. stone, Esq. General Counsel Gulf Power Company One Energy Place Pensacola FL 32520-0100 (850) 444-6550 jastone@southernco.com</p> <p>Russell A. Badders rab@beggslane.com Steven R. Griffin srg@beggslane.com Beggs & Lane P. O. Box 12950 Pensacola, FL 32591-2950 (850) 432-2451 (850) 469-3331 (facsimile)</p>	<p>Rhonda J. Alexander. Regulatory, Forecasting & and Pricing Manager Gulf Power Company One Energy Place Pensacola, FL 32520-0780 (850) 444-6743 (850) 444-6026 (facsimile) rjalexad@southernco.com</p>
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GULF POWER COMPANY (“Gulf Power”, “Gulf”, or “the Company”), by and through its undersigned counsel, hereby petitions this Commission for approval of the Company’s (a) final fuel adjustment true-up amounts for the period January 2016 through December 2016; (b) final GPIF adjustment for the period January 2016 through December 2016; (c) estimated fuel cost true-up amounts for the period January 2017 through December 2017; (d) projected fuel cost recovery amounts for the period January 2018 through December 2018; (e) final purchased power capacity cost true-up amounts for the period January 2016 through December 2016; (f) estimated purchased power capacity cost true-up amounts for the period January 2017 through December 2017; (g) projected purchased power capacity cost recovery amounts for the period January 2018 through December 2018; (h) estimated as-available avoided energy costs for qualifying facilities (QF’s); (i) GPIF targets and ranges for January 2018 through December 2018; (j) financial hedging activities and settlements for August 2016 through July 2017; (k) fuel cost recovery factors to be applied beginning with the period January 2018 through December

2018; and (l) capacity cost recovery factors to be applied beginning with the period January 2018 through December 2018.

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 2016 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, 2016, the actual fuel true-up amount for the subject twelve months should be an over recovery of \$16,586,321 instead of the estimated over recovery of \$27,383,731 as approved previously by this Commission. The difference between these two amounts of \$10,797,411, is submitted for approval by the Commission to be applied 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 it 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 15, 2017, Gulf filed the testimony and exhibit of C. L. Nicholson containing the Company's actual operating results for the period January 2016 through December 2016. Based on the actual operating results for the period January 2016 through December 2016, Gulf should receive a penalty in the amount of \$2,043,225. 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 2017 through December 2017. 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 2017 through December 2017) is an under recovery of \$21,853,354. 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 2016 to reach the total fuel cost true-up to be addressed in the factors for the next fuel cost recovery period. The proposed fuel cost recovery factors reflect the collection of this total true-up amount, \$32,650,765, during the period of January 2018 through December 2018.

PROJECTED FUEL COST RECOVERY AMOUNTS

(4) Gulf has calculated its projected fuel cost recovery amounts for the months January 2018 through December 2018 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 2016 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 2016, the final purchased power capacity cost true-up amount for the subject twelve months should be an actual over recovery of \$695,190, instead of the estimated over recovery of \$149,231 as approved previously by this Commission. The difference between these two amounts of \$545,959 is submitted for approval by the Commission to be applied 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 2017 through December 2017. Based on six months actual and six months projected data, the Company's estimated capacity cost true-up amount for the current period is an under recovery of \$3,698,545. 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 2016 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 of \$3,152,586 during the period of January 2018 through December 2018.

PROJECTED PURCHASED POWER CAPACITY COST RECOVERY AMOUNTS

(7) Gulf has calculated its projected purchased power capacity cost recovery amounts for the months January 2018 through December 2018 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 \$78,947,920 projected for the period January 2018 through December 2018.

The computations and supporting data for the Company's purchased power capacity cost recovery factors are set forth in the testimony and 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. 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 2018 through December 2018. 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 2018 through December 2018. 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 2018 through December 2018 are:

Unit	EAF	Heat Rate
Crist 7	82.1	10,503
Daniel 1	82.2	12,205
Daniel 2	90.7	12,429
Scherer 3	97.2	10,495
Smith 3	93.2	6,932
EAF = Equivalent Availability Factor (%)		

HEDGING ACTIVITIES AND SETTLEMENTS

(10) As demonstrated in Schedule 4 filed as part of Exhibit CSB-3 to the testimony of C. Shane Boyett on February 27, 2017, the Hedging Information Report filed on April 3, 2017, and the Hedging Information Report filed on August 18, 2017, Gulf experienced a net loss of \$29,478,936 associated with its natural gas hedging transactions effected between August 1, 2016 and July 31, 2017 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, 2016 through July 31, 2017 are prudent.

FUEL COST RECOVERY FACTORS

(11) The proposed levelized fuel and purchased energy cost recovery factor, including GPIF and True-Up, herein requested is 3.789 ¢/KWH. The proposed factors by rate schedule are:

Group	Standard Rate Schedules*	Line Loss Multipliers	Fuel Cost Factors ¢/kWh
A	RS, RSVP, RSTOU, GS, GSD, GSTOU, SBS, OSIII	1.00555	3.810
B	LP, LPT, SBS	0.99188	3.758
C	PX, PXT, RTP, SBS	0.97668	3.701
D	OSI/II	1.00560	3.776

Group	Time-of-Use Rate Schedules*	Line Loss Multipliers	Fuel Cost Factors	
			On-Peak ¢/kWh	Off-Peak ¢/kWh
A	GSDT	1.00555	4.391	3.570
B	LPT	0.99188	4.332	3.521
C	PXT	0.97668	4.265	3.467

*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

(12) 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	0.835
GS	0.762
GSD, GSDT, GSTOU	0.666
LP, LPT	2.76 (\$/kW)
PX, PXT, RTP, SBS	0.560
OS-I/II	0.164
OSIII	0.505

WHEREFORE, Gulf Power Company respectfully requests the Commission to approve the final fuel adjustment true-up for the period January 2016 through December 2016; the GPIF adjustment for the period January 2016 through December 2016; the estimated fuel cost true-up for the period January 2017 through December 2017; the projected fuel cost recovery amount for the period January 2018 through December 2018; the final purchased power capacity cost true-up amount for the period January 2016 through December 2016; the estimated purchased power capacity cost recovery true-up amount for the period January 2017 through December 2017; the projected purchased power capacity cost recovery amount for the period January 2018 through December 2018; the estimated as-available avoided energy costs for QF's; the GPIF targets and ranges for the period January 2018 through December 2018; the financial hedging activities and settlements for the period August 2016 through July 2017; the fuel cost recovery factors to be applied beginning with the period January 2018 through December 2018; and the capacity cost recovery factors to be applied beginning with the period January 2018 through December 2018.

Dated the 24th day of August, 2017.



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**BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION**

Docket No. 20170001-EI

**Prepared Direct Testimony
And Exhibits of
C. Shane Boyett**

**Projection Filing for the Period
January 2018 – December 2018**

Date of Filing: August 24, 2017



Gulf Power

1 GULF POWER COMPANY

2 Before the Florida Public Service Commission
3 Prepared Direct Testimony and Exhibits of

4 C. Shane Boyett

5 Docket No. 20170001-EI

6 Date of Filing: August 24, 2017

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

8 A. My name is Shane Boyett. My business address is One Energy Place,
9 Pensacola, Florida 32520. I am the Regulatory and Cost Recovery Manager for
10 Gulf Power Company.

11 Q. Have you previously filed testimony before this Commission in Docket 20170001-
12 EI?

13 A. Yes, I provided direct testimony on March 1, 2017 and July 27, 2017.

14
15 Q. Has your education, background or professional experience changed since that
16 time?

17 A. No.

18
19 Q. What is the purpose of your testimony?

20 A. The purpose of my testimony is to discuss the projection of fuel expenses, net
21 power transaction expense, and purchased power capacity costs for the period
22 January 1, 2018 through December 31, 2018, along with the resulting calculation
23 of Gulf Power's fuel cost recovery and purchased power capacity factors for the
24 period January 2018 through December 2018.

25

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

3 A. Yes. I have five separate exhibits I am sponsoring as part of this
4 testimony as shown below.

5	<u>Exhibit Number</u>	<u>Summary</u>
6	CSB-6	15 schedules related to Fuel and
7		Purchased Power Capacity Calculations
8		
9	CSB-7	2018 Scherer/Flint Credit Calculation
10		
11	CSB-8	A schedule filed as an attachment to my pre-filed
12		testimony that compares actual and projected fuel
13		cost of net generation for the past ten years. The
14		purpose of this exhibit is to demonstrate the accuracy
15		of Gulf's short-term fuel expense projections.
16		
17	CSB-9	Gulf Power Company's Hedging Information Report
18		filed with the Commission Clerk on April 3, 2017, and
19		assigned Document Number DN 03980-2017
20		(redacted) and 03982-2017 (confidential
21		information). This exhibit details Gulf Power's natural
22		gas hedging transactions for August 2016 through
23		December 2016 in compliance with Order No. PSC-
24		08-0316-PAA-EI.

25

1 CSB-10 Gulf Power Company's Hedging Information Report
2 filed with the Commission Clerk on August 18, 2017,
3 and assigned Document Number DN 07141-2017
4 (redacted) and DN 07144-2017 (confidential
5 information). This exhibit details Gulf Power's natural
6 gas hedging transactions for January 2017 through
7 July 2017 in compliance with Order No. PSC-08-
8 0316-PAA-EI.

9
10 Counsel: We ask that Mr. Boyett's exhibits as
11 described be marked for identification
12 as Exhibit Nos. ____ (CSB-6), ____ (CSB-7),
13 ____ (CSB-8), ____ (CSB-9), and ____ (CSB-10)

14
15 Q. Have you verified that to the best of your knowledge and belief, the
16 information contained in these documents is correct?

17 A. Yes, I have.

18
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1
2
3 **I. FUEL**

4 Q. Mr. Boyett, are there any changes to your 2017 estimated/actual
5 testimony or exhibits that were filed in this docket on July 27, 2017?

6 A. Yes. An inadvertent calculation error was found on Schedule E-1B which
7 also impacted Schedule E-1A of my Exhibit CSB-4. The two affected
8 schedules are included in my Exhibit CSB-6 and have been marked as
9 "Revised 8/24/27." The revision corrects the application of interest for an
10 accounting adjustment and results in a \$1,525 reduction to the estimated
11 true-up under-recovery amount for 2017. The revised estimated true-up
12 amount of \$21,853,354 is presented on Schedule E-1A of my Exhibit
13 CSB-6.

14 Q. Please explain the calculation of the fuel and purchased power expense
15 true-up amount included in the levelized fuel factor for the period January
16 2018 through December 2018.

17 A. As shown on Revised Schedule E-1A of Exhibit CSB-6, the total true-up
18 amount of \$32,650,765 includes an estimated under-recovery for the
19 January 2017 through December 2017 period of \$21,853,354, in addition
20 to a final under-recovery for the period January through December 2016 of
21 \$10,797,411. The estimated under-recovery for the January 2017 through
22 December 2017 period includes six months of actual data and six months
23 of estimated data as reflected on Revised Schedule E-1B.

1 Q. What has been included in this filing to reflect the GPIF reward/penalty for
2 the period of January 2016 through December 2016?

3 A. The GPIF result shown on Line 27 of Schedule E-1 is a decrease of
4 0.0187¢/kWh to the levelized fuel factor, thereby penalizing Gulf
5 \$2,043,225.

6

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

9 A. A revenue tax factor of 1.00072 has been applied to all jurisdictional fuel
10 costs, as shown on Line 25 of Schedule E-1.

11

12 Q. What is the levelized projected fuel factor for the period January 2018
13 through December 2018 and how does it compare with the levelized fuel
14 factor for the current period?

15 A. Gulf has proposed a levelized fuel factor of 3.789¢/kWh. This factor is
16 based on projected fuel and purchased power energy expenses for
17 January 2018 through December 2018 and projected kWh sales for the
18 same period, and includes the true-up and GPIF amounts. The projected
19 levelized fuel factor for 2018 is 0.650¢/kWh more or 20.71 percent higher
20 than the levelized fuel factor in place January 2017 through December
21 2017.

22

23

24

25

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

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

6
7 Q. Mr. Boyett, what fuel factor does Gulf propose for its largest group of
8 customers (Group A), those on Rate Schedules RS, GS, GSD, and OSIII?

9 A. Gulf proposes a standard fuel factor, adjusted for line losses, of
10 3.810¢/kWh for Group A. Fuel factors for Groups A, B, C, and D are
11 shown on Schedule E-1E. These factors have all been adjusted for line
12 losses.

13

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

15 A. The time-of-use fuel factors were calculated based on projected loads and
16 system lambdas for the period January 2018 through December 2018.
17 These factors included the GPIF and true-up and were adjusted for line
18 losses. These time-of-use fuel factors are also shown on Schedule E-1E.

19

20 Q. How does the proposed fuel factor for Rate Schedule RS compare with
21 the factor applicable to December 2017, and how would the change affect
22 the cost of 1,000 kWh on Gulf's residential rate RS?

23 A. The current fuel factor for Rate Schedule RS applicable through
24 December 2017 is 3.163¢/kWh compared with the proposed factor of
25 3.810¢/kWh. For a residential customer who is billed for 1,000 kWh in

1 January 2017, the fuel portion of the bill would increase from \$31.63 to
2 \$38.10.

3

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

8 A. Yes. A tabulation of these costs is set forth in Schedule E-11 of my
9 exhibit. These costs represent the estimated averages for the period from
10 January 2018 through December 2019. In addition, pursuant to
11 Commission Order No PSC-16-0119-TRF-EG in Docket No. 150248-EG,
12 Gulf has calculated the bill credit for participants of the Community Solar
13 Pilot Program to be \$1.93 per month based on the 2018 projected solar-
14 weighted average annual avoided energy cost of 3.1 cents per kWh.

15

16 Q. What amount have you calculated to be the appropriate benchmark level
17 for calendar year 2018 gains on non-separated wholesale energy sales
18 eligible for a shareholder incentive?

19 A. In accordance with Order No. PSC-00-1744-AAA-EI, an estimated three-
20 year average benchmark level has been calculated as follows:

21	2015 actual gains	596,791
22	2016 actual gains	700,065
23	2017 estimated gains	<u>1,730,961</u>
24	Three-Year Average	<u>\$ 1,009,272</u>

25

1 This amount represents the minimum projected threshold for 2018 that
2 must be achieved before shareholders may receive any incentive. As
3 demonstrated on Schedule E-6, page 2 of 2, Gulf's projection reflects a
4 credit to customers of 100 percent of the gains on non-separated sales
5 for 2018.

6

7 Total Fuel and Net Power Transactions

8 Q. What is Gulf's projected recoverable total fuel and net power transactions
9 cost for the January 2018 through December 2018 recovery period?

10 A. Gulf's projected total fuel and net power transactions cost for the period is
11 \$393,450,117 as shown on Schedule E-1 line 16 of Exhibit CSB-6.

12

13 Q. How does the total projected fuel and net power transactions cost for the
14 2018 period compare to the updated projection of fuel cost for the same
15 period in 2017?

16 A. The total updated cost of fuel and net power transactions for 2017,
17 reflected on Schedule E-1B-1 line 14 of Exhibit CSB-4 filed in this docket
18 on July 27, 2017, is projected to be \$394,751,289. The projected total
19 cost of fuel and net power transactions for the 2018 period reflects a
20 decrease of \$1,301,172 or 0.33% less than the same period in 2017. On
21 a fuel cost per kWh basis, the 2017 projected cost is 3.3931 cents per
22 kWh, and the 2018 projected fuel cost is 3.3240 cents per kWh, a
23 decrease of 0.0691 cents per kWh or 2.04%.

24

25

1 Total Cost of Generated Power

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

4 A. The projected total cost of fuel to meet system generated power needs in
5 2018 as shown in exhibit CSB-6, Schedule E-1, line 5 is \$275,601,297.

6

7 Q. How does the projected total fuel cost of generated power for the 2018
8 period compare to the updated projection of fuel cost for the same period
9 in 2017?

10 A. The total updated cost of fuel to meet 2017 system generated power
11 needs, reflected on Schedule E-1B-1, line 4 of CSB-4 filed in this docket
12 on July 27, 2017, is projected to be \$318,539,632. The projected total
13 cost of fuel to meet system net generation needs for the 2018 period
14 reflects a decrease of \$42,938,335 or 13.48% less than the same period
15 in 2017. Total system net generation in 2018 is projected to be 8,752,133
16 MWh, which is 1,095,229 MWh or 11.12% less than is currently projected
17 for 2017. The lower projected total fuel expense is the result of a lower
18 projected quantity of total MWh produced combined with lower estimated
19 hedging settlement costs for the period. On a fuel cost per kWh basis, the
20 2017 projected cost is 3.2348 cents per kWh, and the 2018 projected fuel
21 cost is 3.1490 cents per kWh, a decrease of 0.0858 cents per kWh or
22 2.65%. The lower average per unit fuel cost in cents per kWh is the result
23 of slightly higher coal generation costs offset by lower gas-fired generation
24 cost for the 2017 period.

25

1 Weighted average coal burned price including boiler lighter fuel for 2017
2 as reflected on Schedule E-3, line 32 of my testimony filed in this docket
3 on July 27, 2017, is projected to be \$2.79 per MMBtu. Weighted average
4 coal burned price including boiler lighter fuel for 2018, as reflected on
5 Schedule E-3, line 32 is projected to be \$2.83 per MMBtu. These figures
6 reflect a cost increase of \$0.04 per MMBtu or 1.43%. The cost increase is
7 due to coal supply contracts that will expire by the end of 2017 being
8 replaced with market price coal supply agreements that are projected to
9 be slightly higher in 2018.

10
11 Weighted average natural gas price for 2017, as reflected on Schedule E-
12 3, line 33 of the exhibit to my testimony filed in this docket on July 27,
13 2017, is projected to be \$4.14 per MMBtu. Weighted average natural gas
14 price for 2018, as reflected on Schedule E-3, line 33 is projected to be
15 \$4.05 per MMBtu. This is a decrease in price of \$0.09 per MMBtu or
16 2.17%.

17
18 As reflected on Schedule E-3, lines 40 and 41, the projected fuel cost of
19 Gulf's coal-fired generation is 3.15 cents per kWh, and the projected fuel
20 cost of Gulf's gas-fired generation is 2.83 cents per kWh for the 2018
21 period.

22
23 Fuel Cost and Gains on Power Sales

24 Q. What are Gulf's projected recoverable fuel cost and gains on power sales
25 for the 2018 period?

1 A. Gulf's projected recoverable fuel cost and gains on power sales is
2 \$92,403,521 as shown on Schedule E-1, line 14.

3

4 Q. How does the total projected recoverable fuel cost and gains on power
5 sales for the 2018 period compare to the projected recoverable fuel cost
6 and gains on power sales for the same period in 2017?

7 A. The total updated recoverable fuel cost and gains on power sales in 2017,
8 reflected on Schedule E-1B-1, line 12 of my exhibit filed in this docket on
9 July 27, 2017, is projected to be \$123,599,940. The projected recoverable
10 fuel cost and gains on power sales in 2018 represents a decrease of
11 \$31,196,419 or 25.24%. Total quantity of power sales in 2018 is projected
12 to be 3,621,814 MWh, which is 1,754,752 MWh or 32.64% lower than
13 currently projected for 2017. On a fuel cost per kWh basis, the 2017
14 projected cost is 2.2989 cents per kWh, and the 2018 projected fuel cost
15 is 2.5513 cents per kWh, which is an increase of 0.2524 cents per kWh or
16 10.98%. The lower total credit to fuel expense from power sales is
17 attributed to a lower projected quantity of power sales from units operating
18 to meet incremental system loads.

19

20 Total Cost of Purchased Power

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

22 A. Gulf's projected recoverable cost for energy purchases is \$210,252,341 as
23 shown on Schedule E-1, line 9.

24

25

1 Q. How does the total projected purchased power cost for the 2018 period
2 compare to the projected purchased power cost for the same period in
3 2017?

4 A. The total updated cost of purchased power to meet 2017 system needs,
5 reflected on Schedule E-1B-1, line 7 of my testimony filed in this docket on
6 July 27, 2017, is projected to be \$199,811,597. The projected cost of
7 purchased power to meet system needs in 2018 is \$10,440,744 or 5.23%
8 higher than is currently projected for 2017. The total quantity of
9 purchased power in 2018 is projected to be 6,706,285 MWh, which is
10 457,025 MWh or 6.38% lower than is currently projected for 2017. On a
11 fuel cost per kWh basis, the 2017 projected cost is 2.7894 cents per kWh,
12 and the 2018 projected fuel cost is 3.1352 cents per kWh, which
13 represents an increase of 0.3458 cents per kWh or 12.40%.

14
15

16 II. FUEL PROCUREMENT

17

18 Q. Does the 2018 projection of fuel cost of net generation reflect any major
19 changes in Gulf's fuel procurement program for this period?

20 A. No. As in the past, Gulf's coal requirements are purchased in the market
21 through the Request for Proposal (RFP) process that has been used for
22 many years by Southern Company Services - Fuel Services as agent for
23 Gulf. Coal will be delivered under both existing and new negotiated coal
24 transportation contracts. Natural gas requirements will be purchased from
25 various suppliers using firm quantity agreements with market pricing for

1 base needs and on the daily spot market when necessary. Natural gas
2 transportation will be secured using a combination of firm and spot
3 transportation agreements.

4

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

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

13

14

15

III. HEDGING

16

17 Q. Has anything changed with regard to the status of Gulf's hedging program
18 since filing testimony on July 27, 2017 in this docket?

19 A. There has been no change in the status of Gulf's hedging program.
20 However, actual hedging settlement data has become available for the
21 month of July 2017 and is included in my Exhibit CSB-10 as previously
22 filed with this Commission on August 18, 2017.

23

24

25

1 Q. What are the results of Gulf's natural gas price hedging program for the
2 period August 2016 through July 2017?

3 A. Gulf had financial hedges in place during the period to hedge the price of
4 natural gas. These financial hedges have been effective in fixing the
5 price of a percentage of Gulf's gas burn during the period. Between
6 August 2016 and July 2017, Gulf recorded hedging settlement costs of
7 \$29,478,936. Pursuant to Order No. PSC-08-0316-PAA-EI, Gulf filed
8 Hedging Information Reports with the Commission on April 3, 2017, and
9 August 18, 2017, detailing its natural gas hedging transactions for August
10 2016 through July 2017. I am sponsoring these reports as Exhibits CSB-
11 9 and CSB-10 to my testimony in this docket.

12

13

14

IV. PURCHASED POWER CAPACITY

15

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

19 A. Schedule CCE-1, including CCE-1A and CCE-1B, Schedule CCE-2, and
20 Schedule CCE-4 of my Exhibit CSB-6 and Exhibit CSB-7 relate to the
21 calculation of the PPCC recovery factors for the period January 2018
22 through December 2018.

23

24

25

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

2 A. Schedule CCE-1 shows the calculation of jurisdictional capacity costs to
3 be recovered through the PPCC Recovery Clause. Lines 1 through 3
4 show Gulf's projected net capacity expense, which includes a credit for
5 transmission revenue. Line 4 reflects the inclusion of the Scherer/Flint
6 Credit, which is calculated and presented in my Exhibit CSB-7. The total
7 net projected capacity costs are applied to a jurisdictional factor and
8 added to the total true-up which is then adjusted for revenue taxes to
9 determine the amount to be recovered in the period through PPCC
10 recovery factors.

11

12 Q. What is the appropriate revenue tax factor to be applied in calculating the
13 total recoverable capacity payments?

14 A. A revenue tax factor of 1.00072 has been applied to all jurisdictional
15 purchased power capacity costs, as shown on Line 10 of Schedule
16 CCE-1.

17

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

20 A. As required by Commission Order No. 25773 in Docket No. 910794-EQ,
21 the revenue requirements have been allocated using the cost of service
22 methodology approved by the Commission in Order No. PSC 17-0178-S-
23 EI in the consolidated Docket Nos. 20160186-EI and 20160170-EI . This
24 allocation is consistent with the treatment accorded to production plant in
25 the cost of service study approved by the Commission in Gulf's most

1 recent base rate proceeding. For purposes of the PPCC Recovery
2 Clause, Gulf has allocated the net purchased power capacity costs by rate
3 class within the retail jurisdiction based on the 12-MCP and 1/13th energy
4 allocator.

5

6 Q. How were the rate class allocation factors used in the PPCC Recovery
7 Clause calculated?

8 A. The demand allocation factors used in the PPCC Recovery Clause have
9 been calculated using the 2015 Cost of Service Load Research Study
10 results filed with the Commission in accordance with Rule 25-6.0437, F.A.C.
11 and adjusted for losses. The energy allocation factors were calculated
12 based on projected kWh sales for the period and adjusted for losses. The
13 calculations of the allocation factors are shown in columns A through I on
14 page 1 of Schedule CCE-2.

15

16 Q. Please describe the calculation of the PPCC recovery factors by rate class
17 used to recover purchased power capacity costs.

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

22

23 Gulf has calculated the PPCC factor for the LP/LPT rate classes based on
24 kilowatt (kW) rather than kilowatt hour (kWh) in accordance with Order No.
25 PSC-13-0670-S-EI issued December 9, 2013, in Docket No. 130140-EI.

1 The total revenue requirement assigned to rate class LP/LPT shown in
2 column E is then divided by the sum of the projected billing demands (kW)
3 for the twelve-month period to calculate the PPCC recovery factor. This
4 factor would be applied to each LP/LPT customer's billing demand (kW) to
5 calculate the amount to be billed each month.

6

7 For all other rate classes, the total revenue requirement assigned to each
8 rate class shown in Column E is then divided by that class's projected kWh
9 sales for the twelve-month period to calculate the PPCC recovery factor.
10 This factor would be applied to each customer's total kWh to calculate the
11 amount to be billed each month.

12

13 Q. What is the amount related to purchased power capacity costs recovered
14 through this factor that will be included on a residential customer's bill for
15 1,000 kWh?

16 A. The purchased power capacity costs recovered through the clause for a
17 residential customer who is billed for 1,000 kWh will be \$8.35.

18

19 Q. What is Gulf's projected recoverable capacity payments for the 2018 cost
20 recovery period?

21 A. The total recoverable capacity payments for the period are \$78,947,920.
22 This amount is captured in the Schedule CCE-1, line 11. Schedule CCE-4
23 shows the projected cost associated with Southern Intercompany
24 Interchange and lists the long-term purchased power contracts that are
25 included for capacity cost recovery, their associated capacity amounts in

1 megawatts, and the resulting cost. Also included in Gulf's 2018 projection
2 of capacity cost is revenue produced by a market-based agreement
3 between the Southern electric system operating companies and South
4 Carolina PSA. The total capacity cost of \$86,277,012 is shown on
5 Schedule CCE-4, line 14. The total capacity cost included on Schedule
6 CCE-4 line 14 is the sum of lines 1 and 2 of Schedule CCE-1.
7

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

10 A. No.

11

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

14 A. Gulf has included an estimate of transmission revenues in the amount of
15 \$84,000 in its capacity cost recovery projection. This amount is captured
16 on Schedule CCE-1, line 3 of my Exhibit CSB-6. Also, pursuant to the
17 Stipulation and Settlement Agreement approved by Order No. PSC 17-
18 0178-S-EI in the consolidated Docket Nos. 20160186-EI and 20160170-
19 EI, Gulf has estimated a Scherer/Flint Credit in the amount of \$8,258,898
20 for the period 2018. The Scherer/Flint Credit calculation is presented in
21 my Exhibit CSB-7 and also appears on Schedule CCE-1, line 4 of my
22 Exhibit CSB-6 as an offset to capacity payments.
23

24

25

1 Q. How do the total projected net jurisdictional capacity payments for the
2 2018 period compare to the current estimated net jurisdictional capacity
3 payments for the same period in 2017?

4 A. Gulf's 2018 Projected Jurisdictional Capacity Payments, found on
5 Schedule CCE-1, line 7, are \$75,738,532. This amount is \$4,408,035 or
6 5.50% less than the current estimate of \$80,146,567 (Schedule CCE-1B,
7 line 6) for 2017 that was filed in my actual/estimated true-up testimony in
8 this docket on July 27, 2017. The projected capacity payment decrease in
9 2018 is the result of incorporating a full year of the Scherer/Flint credit
10 compared to only six months of the Scherer/Flint credit for the twelve-
11 month period ending December 2017.

12

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

15 A. The fuel and capacity recovery factors will be effective beginning with
16 Cycle 1 billings in January 2018 and continuing through the last billing
17 cycle of December 2018.

18

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

20 A. Yes.

21

22

23

24

25

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 20170001-EI

Before me, the undersigned authority, personally appeared C. Shane Boyett, who being first duly sworn, deposes and says that he is the Regulatory and Cost Recovery of Manager 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
Regulatory and Cost Recovery Manager

Sworn to and subscribed before me this 23rd day of August, 2017.

Melissa Darnes
Notary Public, State of Florida at Large



SCHEDULE E-1

**FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
GULF POWER COMPANY
PROPOSED FOR THE PERIOD: JANUARY 2018 - DECEMBER 2018**

Line			\$	kWh	¢ / kWh
1	Fuel Cost of System Net Generation	E-3	267,973,955	8,995,621,000	2.9789
2	Scherer/Flint Credit	E-3	(8,297,183)	(324,848,000)	
3	Other Generation	E-3	2,902,925	81,360,000	3.5680
4	Hedging Settlement	E-2	13,021,600	0	N/A
5	Total Cost of Generated Power		<u>275,601,297</u>	<u>8,752,133,000</u>	<u>3.1490</u>
6	Fuel Cost of Purchased Power (Exclusive of Economy)	E-7	0	0	
7	Energy Cost of Other Econ. Purch. (Nonbroker)	E-9	210,252,341	6,706,285,000	3.1352
8	Energy Payments to Qualifying Facilities	E-8	0	0	
9	Total Cost of Purchased Power		<u>210,252,341</u>	<u>6,706,285,000</u>	<u>3.1352</u>
10	Total Available kWh (Lines 5 + 9)			<u><u>15,458,418,000</u></u>	
11	Fuel Cost of Economy Sales	E-6	(2,346,641)	(91,314,000)	2.5699
12	Gain on Economy Sales	E-6	(264,000)	0	N/A
13	Fuel Cost of Other Power Sales	E-6	(89,792,880)	(3,530,500,000)	2.5433
14	Total Fuel Cost & Gains on Power Sales		<u>(92,403,521)</u>	<u>(3,621,814,000)</u>	<u>2.5513</u>
15	Net Inadvertant Interchange				
16	Total Fuel & Net Power Trans. (Lines 5+9+14)		<u><u>393,450,117</u></u>	<u><u>11,836,604,000</u></u>	<u><u>3.3240</u></u>
17	Company Use *		529,779	15,938,000	3.3240
18	T & D Losses *		19,410,864	583,961,000	3.3240
19	System kWh Sales		<u>393,450,117</u>	<u>11,236,705,000</u>	<u>3.5015</u>
20	Wholesale kWh Sales		<u>11,537,898</u>	<u>329,513,000</u>	<u>3.5015</u>
21	Jurisdictional kWh Sales		<u>381,912,219</u>	<u>10,907,192,000</u>	<u>3.5015</u>
21a	Jurisdictional Line Loss Multiplier		1.0012		1.0012
22	Jurisdictional kWh Sales Adjusted for Line Losses		<u>382,370,514</u>	<u>10,907,192,000</u>	<u>3.5057</u>
23	True-Up **		<u>32,650,765</u>	<u>10,907,192,000</u>	<u>0.2994</u>
24	Total Jurisdictional Fuel Cost		<u><u>415,021,279</u></u>	<u><u>10,907,192,000</u></u>	<u><u>3.8051</u></u>
25	Revenue Tax Factor				1.00072
26	Fuel Factor Adjusted For Revenue Taxes		<u>415,320,095</u>	<u>10,907,192,000</u>	<u>3.8078</u>
27	GPIF Reward/(Penalty) **		<u>(2,043,225)</u>	<u>10,907,192,000</u>	<u>(0.0187)</u>
28	Fuel Factor Adjusted for GPIF		<u>413,276,870</u>	<u>10,907,192,000</u>	<u>3.7890</u>
29	Fuel Factor Rounded to Nearest .001(¢ / kWh)				3.789

*For informational purposes only

** Calculation Based on Jurisdictional kWh Sales

SCHEDULE E-1A
Revised 8/24/17

**FUEL COST RECOVERY CLAUSE
CALCULATION OF TRUE-UP
GULF POWER COMPANY
TO BE INCLUDED IN THE PERIOD: JANUARY 2018 - DECEMBER 2018**

1.	Estimated over/(under)-recovery, January 2017 - December 2017 (Schedule E-1B, page 2, line C9)	(\$21,853,354)
2.	Final over/(under)-recovery, January 2016 - December 2016 (Exhibit CSB-1, Schedule 1, Line 3)	(\$10,797,411)
3.	Total over/(under)-recovery (Lines 1 + 2) To be included in January 2018 - December 2018 (Schedule E1, Line 23)	<u>(32,650,765)</u>
4.	Jurisdictional kWh sales For the period: January 2018 - December 2018	<u>10,907,192,000</u>
5.	True-up Factor (Line 3 / Line 4) x 100 (¢ / kWh)	<u><u>0.2994</u></u>

**CALCULATION OF ESTIMATED TRUE-UP
GULF POWER COMPANY
ACTUAL FOR THE PERIOD JANUARY 2017 - JUNE 2017 / ESTIMATED FOR JULY 2017 - DECEMBER 2017**

	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	25,913,507	18,414,372	22,863,813	16,479,793	16,256,113	26,429,242	126,356,841
1a Fuel Cost of Hedging Settlement	1,444,482	1,289,630	2,960,350	1,742,440	1,839,070	1,617,230	10,893,202
1b Scherer/Flint Credit	0	0	0	0	0	0	0
2 Fuel Cost of Power Sold	(11,192,307)	(9,520,189)	(17,340,221)	(1,042,609)	(1,498,195)	(6,728,919)	(47,322,440)
3 Fuel Cost of Purchased Power	14,121,092	12,816,236	18,094,869	12,443,728	16,347,714	15,359,779	89,183,419
3a Demand & Non-Fuel Cost of Purchased Power	0	0	0	0	0	0	0
3b Energy Payments to Qualified Facilities	678,674	556,016	703,526	587,580	689,230	518,053	3,733,079
4 Energy Cost of Economy Purchases	0	0	0	0	0	0	0
5 Other Generation	192,398	197,017	153,088	151,664	175,463	201,616	1,071,245
6 Adjustments to Fuel Cost	1,403	908	1,163	(943)	1,447	1,354	5,331
7 TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Thru A6)	31,159,250	23,753,990	27,436,589	30,361,653	33,810,842	37,398,354	183,920,678
B							
1 Jurisdictional KWH Sales	798,807,190	657,430,637	777,071,495	802,957,734	948,569,201	1,018,998,709	5,003,834,966
2 Non-Jurisdictional KWH Sales	24,091,015	19,740,011	22,665,783	22,720,850	26,021,072	27,335,859	142,574,590
3 TOTAL SALES (Lines B1 + B2)	822,898,205	677,170,648	799,737,278	825,678,584	974,590,273	1,046,334,568	5,146,409,556
4 Jurisdictional % of Total Sales (Line B1/B3)	<u>97.0724%</u>	<u>97.0849%</u>	<u>97.1658%</u>	<u>97.2482%</u>	<u>97.3301%</u>	<u>97.3875%</u>	
C							
1 Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	(1) 24,891,665	20,284,500	24,362,570	25,169,665	29,530,463	33,026,140	157,265,003
2 True-Up Provision	2,171,636	2,171,639	2,171,639	2,171,639	2,171,639	2,171,639	13,029,831
2a Incentive Provision	3,809	3,809	3,803	3,806	3,806	3,806	22,839
3 FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Thru C2a)	27,067,110	22,459,948	26,538,012	27,345,110	31,705,908	35,201,585	170,317,673
4 Fuel & Net Power Transactions (Line A7)	31,159,250	23,753,990	27,436,589	30,361,653	33,810,842	37,398,354	183,920,678
5 Jurisdictional Fuel Cost Adj. for Line Losses (Line A7 x Line B4 x 1.0015)	30,292,402	23,096,129	26,698,970	29,570,450	32,957,489	36,475,954	179,091,394
6 Over/(Under) Recovery (Line C3-C5)	(3,225,292)	(636,181)	(160,958)	(2,225,340)	(1,251,581)	(1,274,369)	(8,773,721)
7 Interest Provision	7,639	4,870	3,885	1,907	(1,029)	(4,680)	12,591
8 Adjustments	(2) 0	0	0	0	(730,594)	0	(730,594)
9 TOTAL ESTIMATED TRUE-UP FOR THE PERIOD JANUARY 2017 - JUNE 2017							<u>(9,491,724)</u>

3.1367 ¢/kWh

* (Gain)/Loss on sales of natural gas
Notes 1: Projected Revenues based on the current approved 2017 Fuel Factor excluding revenue taxes of:
2: Fuel Revenue Calculation Adjustment

CALCULATION OF ESTIMATED TRUE-UP
GULF POWER COMPANY

ACTUAL FOR THE PERIOD JANUARY 2017 - JUNE 2017 / ESTIMATED FOR JULY 2017 - DECEMBER 2017

	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	33,924,176	34,106,164	26,626,973	29,433,281	22,908,202	25,786,915	299,142,552
1a Fuel Cost of Hedging Settlement	2,021,170	1,931,110	1,949,990	1,890,990	1,665,050	1,357,820	21,709,332
1b Scherer/Flint Credit	(807,961)	(808,991)	(748,566)	(756,329)	(740,470)	(686,451)	(4,548,768)
2 Fuel Cost of Power Sold	(15,388,200)	(18,510,100)	(12,649,400)	(9,405,400)	(13,548,800)	(6,775,600)	(123,599,940)
3 Fuel Cost of Purchased Power	21,307,400	21,993,800	20,707,000	11,999,600	19,464,500	11,422,800	196,078,519
3a Demand & Non-Fuel Cost Of Purchased Power	0	0	0	0	0	0	0
3b Energy Payments to Qualified Facilities	0	0	0	0	0	0	3,733,079
4 Energy Cost of Economy Purchases	0	0	0	0	0	0	0
5 Other Generation	234,506	234,506	226,952	156,337	151,301	156,337	2,231,184
6 Adjustments to Fuel Cost *	0	0	0	0	0	0	5,331
7 TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Thru A6)	41,291,091	38,946,489	36,112,949	33,318,479	29,899,783	31,261,821	394,751,289
B							
1 Jurisdictional KWH Sales	1,172,314,000	1,159,478,000	1,009,470,000	832,041,000	734,927,000	819,293,000	10,731,357,966
2 Non-Jurisdictional KWH Sales	32,945,000	33,189,000	28,939,000	24,681,000	23,230,000	27,278,000	312,836,590
3 TOTAL SALES (Lines B1 + B2)	1,205,259,000	1,192,667,000	1,038,409,000	856,722,000	758,157,000	846,571,000	11,044,194,556
4 Jurisdictional % Of Total Sales (Line B1/B3)	<u>97.2666%</u>	<u>97.2172%</u>	<u>97.2131%</u>	<u>97.1191%</u>	<u>96.9360%</u>	<u>96.7778%</u>	
C							
1 Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	36,772,460	36,369,828	31,664,465	26,098,976	23,052,761	25,699,104	336,922,597
2 True-Up Provision	2,171,639	2,171,639	2,171,639	2,171,639	2,171,639	2,171,639	\$26,059,665
2a Incentive Provision	3,806	3,806	3,806	3,806	3,806	3,806	\$45,675
3 FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Thru C2a)	38,947,905	38,545,273	33,839,910	28,274,421	25,228,206	27,874,549	363,027,937
4 Fuel & Net Power Transactions (Line A7)	41,291,091	38,946,489	36,112,949	33,318,479	29,899,783	31,261,821	394,751,289
5 Jurisdictional Fuel Cost Adj. for Line Losses (Line A7 x Line B4 x 1.0012)	40,210,635	37,908,122	35,148,645	32,397,437	29,018,434	30,290,808	384,065,475
6 Over/(Under) Recovery (Line C3-C5)	(1,262,730)	637,152	(1,308,735)	(4,123,017)	(3,790,228)	(2,416,259)	(21,037,538)
7 Interest Provision	(8,079)	(10,322)	(12,588)	(16,998)	(22,529)	(27,297)	(85,222)
8 Adjustments (3)	0	0	0	0	0	0	(730,594)
9 TOTAL ESTIMATED TRUE-UP FOR THE PERIOD JANUARY 2017 - DECEMBER 2017							<u><u>(21,853,354)</u></u>

* (Gain)/Loss on sales of natural gas

Notes 1: Projected Revenues based on the current approved 2017 Fuel Factor excluding revenue taxes of:

3.1367 ¢/kWh

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 2017 - JUNE 2017 / ESTIMATED FOR JULY 2017 - DECEMBER 2017

	DOLLARS				kWh				¢/kWh			
	ESTIMATED/ACTUAL	ESTIMATED/ACTUAL	DIFFERENCE/AMT.	%	ESTIMATED/ACTUAL	ESTIMATED/ACTUAL	DIFFERENCE/AMT.	%	ESTIMATED/ACTUAL	ESTIMATED/ACTUAL	DIFFERENCE/AMT.	%
1 Fuel Cost of System Net Generation (1)	289,142,552	272,062,919	27,079,633	9.95	9,935,276,000	9,271,402,000	663,874,000	7.16	3.0109	2.9344	0.0765	2.61
1a Fuel Cost of Hedging, Settlement	21,709,332	0	21,709,332	100.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
1b Scherer/Flint Credit	(4,548,788)	0	(4,548,788)	(100.00)	(169,369,000)	0	(169,369,000)	(100.00)	0.0000	0.0000	0.0000	0.00
2 Other Generation	2,231,184	2,514,497	(283,313)	(11.27)	81,455,042	81,428,000	27,042	0.03	2.7392	3.0880	(0.3488)	(11.30)
3 Adjustments to Fuel Cost ***	5,331	0	5,331	100.00	0	0	0	0.00	0.0000	0.0000	0.0000	0.00
4 TOTAL COST OF GENERATED POWER	318,539,632	274,577,416	43,962,216	16.01	9,847,362,042	9,352,830,000	494,532,042	5.29	3.2348	2.9358	0.2990	10.18
5 Energy Cost of Other Economy Purchases (Nombroker)	196,078,519	209,644,000	(13,565,481)	(6.47)	7,029,737,997	6,628,400,000	401,337,997	6.05	2.7893	3.1628	(0.3735)	(11.81)
6 Energy Payments to Qualifying Facilities	3,733,079	4,260,000	(526,921)	(12.37)	133,571,569	158,882,000	(25,310,431)	(15.93)	2.7948	2.6812	0.1136	4.24
7 TOTAL COST OF PURCHASED POWER	199,811,597	213,904,000	(14,092,403)	(6.59)	7,163,309,566	6,787,282,000	376,027,566	5.54	2.7894	3.1515	(0.3621)	(11.49)
8 Total Available kWh (Line 4 + Line 7)	518,351,229	488,481,416	29,869,813	6.11	17,010,671,608	16,140,112,000	870,559,608	5.39	3.0472	3.0265	0.0207	0.68
9 Fuel Cost of Economy Sales	(5,839,613)	(3,113,000)	(2,726,613)	87.59	(246,446,853)	(136,467,000)	(109,979,853)	80.59	2.3695	2.2811	0.0884	3.88
10 Gain on Economy Sales	(1,730,961)	(557,000)	(1,173,961)	210.76	0	0	0	0.00	2.2617	2.5411	(0.2794)	(11.00)
11 Fuel Cost of Other Power Sales	(116,029,366)	(102,114,000)	(13,915,366)	13.63	(5,130,118,725)	(4,018,534,000)	(1,111,584,725)	27.66	2.2989	2.5459	(0.2470)	(9.70)
12 TOTAL FUEL COST AND GAINS ON POWER SALES	(123,599,940)	(105,784,000)	(17,815,940)	16.84	(5,376,565,578)	(4,155,001,000)	(1,221,564,578)	29.40	3.3931	3.1931	0.2000	6.26
13 (LINES 9+10+11)	394,751,289	382,697,416	12,053,873	3.15	11,634,106,030	11,985,111,000	(351,004,970)	(2.93)	3.3931	3.1931	0.2000	6.26
14 TOTAL FUEL & NET POWER TRANSACTIONS (LINES 8+12)	507,962	660,908	(152,946)	(23.14)	14,970,426	20,698,000	(5,727,574)	(27.67)	3.3931	3.1931	0.2000	6.26
15 Company Use *	19,508,325	19,235,107	273,218	1.42	574,941,048	602,396,000	(27,454,952)	(4.56)	3.3931	3.1931	0.2000	6.26
16 T & D Losses *	394,751,289	382,697,416	12,053,873	3.15	11,044,194,556	11,362,017,000	(317,822,444)	(2.80)	3.5743	3.3682	0.2061	6.12
17 TERRITORIAL (SYSTEM) SALES	11,181,680	11,434,770	(253,090)	(2.21)	312,836,590	339,492,000	(26,655,410)	(7.85)	3.5743	3.3682	0.2061	6.12
18 Wholesale Sales	383,569,609	371,262,646	12,306,963	3.31	10,731,357,966	11,022,525,000	(291,167,034)	(2.64)	3.5743	3.3682	0.2061	6.12
19 Jurisdictional Sales	1,0015 / 1,0012	1,0015	0	0.00	10,731,357,966	11,022,525,000	(291,167,034)	(2.64)	3.5789	3.3733	0.2056	6.09
20 Jurisdictional Loss Multiplier	384,065,475	371,819,540	12,245,935	3.29	10,731,357,966	11,022,525,000	(291,167,034)	(2.64)	(0.2428)	(0.2364)	0.0064	2.71
21 Jurisdictional Sales Adj. for Line Losses (Line 19 x 1.0015)	(26,059,665)	(26,059,665)	0	0.00	10,731,357,966	11,022,525,000	(291,167,034)	(2.64)	3.3361	3.1369	0.1992	6.35
22 TRUE-UP **	358,005,810	345,759,875	12,245,935	3.54	10,731,357,966	11,022,525,000	(291,167,034)	(2.64)	1.00072	1.00072	0.0000	0.00
23 TOTAL JURISDICTIONAL FUEL COST	(45,708)	(45,708)	0	0.00	10,731,357,966	11,022,525,000	(291,167,034)	(2.64)	3.3385	3.1392	0.1993	6.35
24 Revenue Tax Factor									(0.0004)	(0.0004)	0.0000	0.00
25 Fuel Factor Adjusted for Revenue Taxes									3.3381	3.1388	0.1993	6.35
26 GPIF Reward / (Penalty) **									3.338	3.1388	0.1990	6.34
27 Fuel Factor Adjusted for GPIF Reward / (Penalty)												
28 FUEL FACTOR ROUNDED TO NEAREST .001(¢/kWh)												

* 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 2018 - DECEMBER 2018**

1.	TOTAL AMOUNT OF ADJUSTMENTS:		
	A.	Generating Performance Incentive Reward/(Penalty)	\$ (2,043,225)
	B.	True-up (Over)/Under Recovered	\$ 32,650,765
2.	Jurisdictional kWh sales		
	For the period: January 2018 - December 2018		10,907,192,000
3.	ADJUSTMENT FACTORS:		
	A.	Generating Performance Incentive Factor	(0.0187)
	B.	True-up Factor	0.2994

SCHEDULE E-1D

**DETERMINATION OF FUEL RECOVERY FACTOR
 TIME OF USE RATE SCHEDULES
 GULF POWER COMPANY
 PROPOSED FOR THE PERIOD: JANUARY 2018 - DECEMBER 2018**

		<u>NET ENERGY FOR LOAD</u>	
		%	
	On-Peak	29.29	
	Off-Peak	<u>70.71</u>	
		100.00	
	<u>AVERAGE</u>	<u>ON-PEAK</u>	<u>OFF-PEAK</u>
Cost per kWh Sold	3.5015	4.0780	3.2624
Jurisdictional Loss Factor	1.0012	1.0012	1.0012
Jurisdictional Fuel Factor	3.5057	4.0829	3.2663
GPIF	(0.0187)	(0.0187)	(0.0187)
True-Up	<u>0.2994</u>	<u>0.2994</u>	<u>0.2994</u>
TOTAL	3.7864	4.3636	3.547
Revenue Tax Factor	<u>1.00072</u>	<u>1.00072</u>	<u>1.00072</u>
Recovery Factor	3.7891	4.3667	3.5496
Recovery Factor Rounded to the Nearest .001 ¢/kWh	3.789	4.367	3.550
	HOURS:		
	ON-PEAK	25.00%	
	OFF-PEAK	<u>75.00%</u>	
		100.00%	

SCHEDULE E-1E

**FUEL RECOVERY FACTORS - BY RATE GROUP
 (ADJUSTED FOR LINE/TRANSFORMATION LOSSES)
 GULF POWER COMPANY
 PROPOSED FOR THE PERIOD: JANUARY 2018 - DECEMBER 2018**

<u>Group</u>	<u>Rate Schedules</u>	<u>Average Factor</u>	<u>Fuel Recovery Loss Multipliers</u>	<u>Standard Fuel Recovery Factor</u>
A	RS, RSVP, RSTOU, GS, GSD, GSDT, GSTOU, OSIII, SBS (1)	3.789	1.00555	3.810
B	LP, LPT, SBS (2)	3.789	0.99188	3.758
C	PX,PXT, RTP, SBS (3)	3.789	0.97668	3.701
D	OS-I/II	3.789	1.00560	3.776 *

		<u>TOU</u>
A	On-Peak	4.391
	Off-Peak	3.570
B	On-Peak	4.332
	Off-Peak	3.521
C	On-Peak	4.265
	Off-Peak	3.467
D	On-Peak	N/A
	Off-Peak	N/A

Group D Calculation

* D	On-Peak	4.367	¢ / kWh	x	0.2500	=	1.092	¢ / kWh
	Off-Peak	3.550	¢ / kWh	x	0.7500	=	2.663	¢ / kWh
							3.755	¢ / kWh
				Line Loss Multiplier		x	1.00560	
							<u>3.776</u>	¢ / kWh

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

**FUEL AND PURCHASED POWER COST RECOVERY CLAUSE CALCULATION
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2018 - DECEMBER 2018**

LINE	LINE DESCRIPTION	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1	Fuel Cost of System Generation	21,616,874	19,015,677	16,196,414	16,989,830	20,952,363	25,819,526	29,557,666	30,577,428	22,311,817	20,264,193	21,112,898	23,559,269	267,973,955
1a	Other Generation	203,804	184,109	203,804	197,239	305,706	295,859	305,706	305,706	295,859	203,804	197,239	204,090	2,902,925
1b	Scherer/Flint Credit	(785,240)	(659,684)	(714,045)	(634,410)	(687,890)	(719,162)	(775,549)	(777,934)	(712,017)	(402,682)	(691,909)	(736,661)	(8,297,183)
2	Fuel Cost of Power Sold	(4,757,683)	(3,231,419)	(3,282,929)	(3,736,314)	(6,915,006)	(8,679,863)	(11,328,663)	(12,619,042)	(8,191,928)	(5,194,726)	(12,196,040)	(12,269,908)	(92,403,521)
3	Fuel Cost of Purchased Power	15,330,488	11,150,438	14,101,799	14,526,228	20,081,099	20,213,629	21,098,554	20,484,924	19,819,335	16,153,473	18,544,119	18,748,255	210,252,341
3a	Demand & Non-Fuel Cost of Pur Power	0	0	0	0	0	0	0	0	0	0	0	0	0
3b	Qualifying Facilities	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Energy Cost of Economy Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Hedging Settlement	625,580	653,980	750,540	1,332,740	1,389,540	1,352,620	1,315,700	1,307,180	1,341,280	1,191,500	958,560	802,400	13,021,600
6	Total Fuel & Net Power Trans.	32,233,823	27,113,101	27,255,583	28,675,313	35,125,812	38,282,609	40,173,414	39,278,262	34,864,326	32,215,562	27,924,867	30,307,445	393,450,117
(Sum of Lines 1 - 5)														
7	System kWh Sold	895,662,000	756,982,000	768,588,000	779,108,000	970,322,000	1,126,598,000	1,215,379,000	1,202,721,000	1,048,328,000	862,513,000	761,466,000	849,038,000	11,236,705,000
7a	Jurisdictional % of Total Sales	96.8244	96.8625	96.9864	97.0835	97.1494	97.2605	97.2523	97.2030	97.1980	97.0876	96.8922	96.7354	97.0675
8	Cost per kWh Sold (¢/kWh)	3.5989	3.5817	3.5462	3.6805	3.6200	3.3981	3.3054	3.2658	3.3257	3.7351	3.6673	3.5696	3.5015
8a	Jurisdictional Loss Multiplier	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012
8b	Jurisdictional Cost (¢/kWh)	3.6032	3.5860	3.5505	3.6849	3.6243	3.4022	3.3094	3.2697	3.3297	3.7396	3.6717	3.5739	3.5057
9	GPJF (¢/kWh) *	(0.0196)	(0.0232)	(0.0228)	(0.0225)	(0.0181)	(0.0155)	(0.0144)	(0.0146)	(0.0167)	(0.0203)	(0.0231)	(0.0207)	(0.0187)
10	True-Up (¢/kWh) *	0.3137	0.3711	0.3650	0.3597	0.2886	0.2483	0.2302	0.2327	0.2670	0.3249	0.3688	0.3313	0.2994
11	TOTAL	3.8973	3.9339	3.8927	4.0221	3.8948	3.6350	3.5252	3.4878	3.5800	4.0442	4.0174	3.8845	3.7864
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	3.9001	3.9367	3.8955	4.0250	3.8976	3.6376	3.5277	3.4903	3.5826	4.0471	4.0203	3.8873	3.7891
14	Recovery Factor Rounded to the Nearest .001 ¢/kWh	3.900	3.937	3.896	4.025	3.898	3.638	3.528	3.490	3.583	4.047	4.020	3.887	3.789

* Calculations Based on Jurisdictional kWh Sales

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2018 - DECEMBER 2018

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FUEL COST - NET GEN. (\$)													
1 LIGHTER OIL (B.L.)	83,534	83,709	44,490	44,523	83,981	84,086	73,938	84,235	46,557	84,324	84,372	84,413	882,162
2 COAL	7,825,488	6,417,919	3,435,930	3,677,301	10,023,684	12,357,778	15,209,062	16,291,492	9,062,734	10,047,310	9,944,932	9,654,307	113,947,937
2a Coal at Scherer	3,271,834	2,748,682	2,975,187	2,643,377	2,866,209	2,996,510	3,231,454	3,241,391	2,966,736	1,677,840	2,882,954	3,069,419	34,571,593
2b Scherer/Flint Credit	(785,240)	(659,684)	(714,045)	(634,410)	(687,890)	(719,162)	(775,549)	(777,934)	(712,017)	(402,682)	(691,909)	(736,661)	(8,297,183)
3 GAS - Generation	10,194,458	9,521,729	9,532,869	10,427,329	7,845,417	10,250,216	10,904,510	10,782,352	10,114,049	8,218,745	7,977,032	10,519,940	116,288,646
4 GAS (B.L.)	374,402	345,362	332,550	317,580	359,586	350,644	343,759	360,734	334,028	360,586	352,118	364,318	4,195,667
5 LANDFILL GAS	70,962	64,161	70,962	68,729	70,962	68,729	70,962	70,962	68,729	70,962	68,729	70,962	835,811
6 OIL - C.T.	0	18,224	8,230	8,230	8,230	7,422	29,687	51,968	14,843	8,230	0	0	155,064
7 TOTAL (\$)	21,035,438	18,540,102	15,686,173	16,552,659	20,570,179	25,396,223	29,087,823	30,105,200	21,895,659	20,065,315	20,618,228	23,026,698	262,579,697

SYSTEM NET GEN. (MWh)

8 LIGHTER OIL (B.L.)	0	0	0	0	0	0	0	0	0	0	0	0	0
9 COAL	249,314	202,538	98,432	103,113	316,281	390,944	491,047	526,873	289,955	312,073	312,437	291,896	3,584,903
9a Coal at Scherer	127,989	107,701	117,964	103,206	109,487	117,474	127,155	127,654	116,492	65,709	112,567	120,130	1,353,538
9b Scherer/Flint Credit	(30,720)	(25,848)	(28,311)	(24,769)	(26,277)	(28,194)	(30,517)	(30,637)	(27,958)	(15,770)	(27,016)	(28,831)	(324,848)
10 GAS	344,620	325,600	337,163	372,154	240,903	366,048	390,397	383,747	358,835	265,962	314,519	413,221	4,113,169
11 LANDFILL GAS	2,097	1,896	2,097	2,031	2,097	2,031	2,097	2,097	2,031	2,097	2,031	2,097	24,699
12 OIL - C.T.	0	80	36	36	36	32	128	224	64	36	0	0	672
13 TOTAL (MWh)	693,310	611,967	527,381	555,771	642,527	848,335	980,307	1,009,958	739,419	630,107	714,538	798,513	8,752,133

UNITS OF FUEL BURNED

14 LIGHTER OIL (BBL)	1,190	1,190	630	630	1,190	1,190	1,047	1,190	654	1,190	1,190	1,190	12,482
15 COAL (TON)	134,556	108,166	57,940	61,907	159,929	196,148	243,310	262,230	143,597	164,227	160,701	156,922	1,849,633
16 GAS-all (MCF) (1)	2,323,852	2,198,283	2,215,578	2,503,220	1,664,634	2,456,911	2,613,762	2,574,500	2,401,831	1,789,820	2,120,750	2,787,418	27,650,559
17 OIL - C.T. (BBL)	0	189	85	85	85	77	307	538	154	85	0	0	1,605
BTUS BURNED (MMBtu)													
18 COAL + GAS B.L. + OIL B.L.	3,928,987	3,212,247	2,164,519	2,131,451	4,456,686	5,314,769	6,387,055	6,780,686	4,127,751	4,059,911	4,393,835	4,344,169	51,302,066
19 GAS-Generation (1)	2,350,329	2,222,249	2,249,889	2,543,284	1,677,927	2,486,049	2,651,037	2,605,990	2,434,868	1,805,616	2,143,165	2,823,166	27,993,569
20 OIL - C.T.	0	1,105	499	499	499	450	1,800	3,151	900	499	0	0	9,402
21 TOTAL (MMBtu) (1)	6,279,316	5,435,601	4,414,907	4,675,234	6,135,112	7,801,268	9,039,892	9,389,827	6,563,519	5,866,026	6,537,000	7,167,335	79,305,037

(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 2018 - DECEMBER 2018

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
GENERATION MIX (% MWh)													
22	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	49.99	46.47	35.66	32.66	62.17	56.61	59.96	61.77	51.19	57.45	55.70	47.99	52.71
24	49.71	53.21	63.93	66.96	37.49	43.15	39.82	38.00	48.53	42.21	44.02	51.75	47.00
25	0.30	0.31	0.40	0.37	0.33	0.24	0.21	0.21	0.24	0.27	0.28	0.26	0.28
26	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.02	0.01	0.01	0.00	0.00	0.01
27	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	70.19	70.33	70.66	70.72	70.56	70.65	70.63	70.78	71.17	70.85	70.89	70.93	70.68
29	58.16	59.33	59.30	59.40	62.68	63.00	62.51	62.13	63.11	61.18	61.88	61.52	61.61
30	4.46	4.40	4.36	4.21	4.75	4.19	4.19	4.21	4.23	4.68	3.83	3.83	4.25
31	0.00	96.42	96.82	96.82	96.82	96.39	96.70	96.59	96.38	96.82	0.00	0.00	96.61
FUEL COST (\$ / MMBtu)													
32	2.74	2.78	2.81	2.84	2.84	2.84	2.83	2.83	2.83	2.90	2.86	2.86	2.83
33	4.25	4.20	4.15	4.02	4.49	4.00	4.00	4.02	4.03	4.44	3.63	3.65	4.05
34	0.00	16.49	16.49	16.49	16.49	16.49	16.49	16.49	16.49	16.49	0.00	0.00	16.49
35	3.31	3.37	3.49	3.48	3.29	3.21	3.18	3.17	3.28	3.37	3.11	3.17	3.26
BTU BURNED (Btu / kWh)													
36	11,336	11,295	11,508	11,740	11,156	11,067	10,868	10,868	10,906	11,215	11,040	11,337	11,120
37	6,935	6,935	6,788	6,937	7,222	6,949	6,943	6,946	6,946	6,938	6,936	6,928	6,943
38	0	1,105	499	499	499	450	1,800	3,151	900	499	0	0	13,991
39	9,160	8,986	8,497	8,528	9,710	9,309	9,323	9,396	9,002	9,426	9,246	9,065	9,172
FUEL COST (Cents / kWh)													
40	3.11	3.14	3.23	3.33	3.17	3.14	3.08	3.08	3.09	3.25	3.16	3.25	3.15
41	2.96	2.92	2.83	2.80	3.26	2.80	2.79	2.81	2.82	3.09	2.54	2.55	2.83
42	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38
43	0.00	22.78	22.86	22.86	22.86	23.19	23.19	23.20	23.19	22.86	0.00	0.00	23.08
44	3.03	3.03	2.97	2.98	3.20	2.99	2.97	2.98	2.96	3.18	2.89	2.88	3.00

(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 2018

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)	Fuel Heat Value (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost (\$)	Fuel Cost/kWh (\$/kWh)	Fuel Cost/Unit (\$/Unit)
1	Crist 4	75	23,772	42.6	96.1	56.0	12,102	Coal	12,471	11,534	287,689	751,133	3.16	60.23
2	Crist 5	75	22,302	40.0	96.1	56.0	12,330	Gas - G	11,920	11,534	274,984	717,961	3.22	60.23
3	Crist 6	299	36,093	16.2	88.2	56.7	11,034	Gas - G	17,264	11,534	398,250	1,039,799	2.88	60.23
4	Crist 7	475	92,956	26.3	86.3	71.4	10,351	Gas - G	41,710	11,534	962,191	2,512,204	2.70	60.23
5	Smith 3	628	338,908	72.6	99.5	88.7	6,935	Gas	2,304,244	1,020	2,350,329	9,990,654	2.95	4.34
6	Smith A (CT)	40	0	0.0	97.7	0.0	N/A	Oil	0	139,400	0	0	N/A	N/A
7	Scherer 3 (2)	216	127,999	79.6	98.5	20.2	10,455	Coal	8,438	8,438	1,338,232	3,271,834	2.56	N/A
8	Scherer/Flint Credit	(52)	(30,720)	N/A	N/A	N/A	N/A	Coal	N/A	N/A	(321,176)	(785,240)	N/A	N/A
9	Daniel 1 (1)	251	37,923	20.3	99.1	14.5	12,835	Coal	25,905	9,395	486,736	1,419,139	3.74	54.78
10	Daniel 2 (1)	251	36,268	19.4	97.0	15.1	13,100	Coal	25,286	9,395	475,113	1,385,252	3.82	54.78
11	Perdido		2,097					Landfill Gas				70,962	3.38	N/A
12	Other Generation		5,712					Gas				203,804	3.57	N/A
13	Gas.BL							Gas	19,608	1,020	20,000	374,402	N/A	19.09
14	Ltr. Oil							Oil	1,190	139,400	6,968	83,534	N/A	70.19
15		2,258	693,310	41.3	96.8	56.1	9,160				6,279,316	21,035,438	3.03	

Notes:

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: FEBRUARY 2018

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 (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs. ccf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost (\$)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75	22,470	43.0	96.1	56.0	12,102	Coal	11,774	11,548	271,932	730,236	3.25	62.02
2	Crist 5	75	7,350	14.1	96.1	56.0	12,330	Gas - G	3,924	11,548	90,626	243,364	3.31	62.02
3	Crist 6	299	95,990	46.1	97.6	56.3	11,040	Coal	45,885	11,548	1,059,725	2,845,746	2.96	62.02
4	Crist 7	475	16,303	4.9	70.7	52.8	10,659	Coal	7,524	11,548	173,776	466,652	2.86	62.02
5	Smith 3	628	320,440	73.4	99.4	88.6	6,935	Gas	2,178,675	1,020	2,222,249	9,337,620	2.91	4.29
6	Smith A (CT)	40	80	0.3	97.8	0.1	13,813	Oil	189	139,400	1,105	18,224	22.78	96.42
7	Scherer 3 (2)	216	107,701	71.6	98.5	20.1	10,459	Coal	8,437	8,437	1,126,448	2,748,682	2.55	N/A
8	Scherer/Flint Credit	(52)	(25,848)	N/A	N/A	N/A	N/A	Coal	N/A	N/A	(270,348)	(659,684)	N/A	N/A
9	Daniel 1 (1)	251	25,823	14.8	99.0	14.1	12,297	Coal	16,918	9,385	317,545	923,425	3.58	54.58
10	Daniel 2 (1)	251	34,602	19.8	97.0	14.2	12,010	Coal	22,141	9,385	415,575	1,208,496	3.49	54.58
11	Perdido		1,896					Landfill Gas				64,161	3.38	N/A
12	Other Generation		5,160					Gas				184,109	3.57	N/A
13	Gas, BL							Gas	19,608	1,020	20,000	345,362	N/A	17.61
14	Ltr. Oil							Oil	1,190	139,400	6,968	83,709	N/A	70.34
15		2,258	611,967	38.9	94.8	52.0	8,986				5,435,601	18,540,102	3.03	

Notes:

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: MARCH 2018

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 (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs.ccf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost (\$)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75	29,526	52.9	94.5	56.0	12,102	Coal	15,464	11,553	357,324	981,171	3.32	63.45
2	Crist 5	75	29,526	52.9	94.5	56.0	12,330	Gas - G	15,756	11,553	364,056	999,656	3.39	63.45
3	Crist 6	299	0	0.0	6.3	0.0	N/A	Coal	0	0	0	0	N/A	N/A
4	Crist 7	475	0	0.0	6.5	0.0	N/A	Gas - G	0	0	0	0	N/A	N/A
5	Smith 3	601	331,451	74.2	99.5	89.7	6,788	Gas	2,205,774	1,020	2,249,889	9,329,065	2.81	4.23
6	Smith A (CT)	36	36	0.1	97.8	0.1	13,861	Oil	85	139,400	499	8,230	22.86	96.82
7	Scherer 3 (2)	216	117,964	73.4	98.5	19.6	10,354	Coal	8,437	8,437	1,221,396	2,975,187	2.52	N/A
8	Scherer/Flint Credit	(52)	(28,311)	N/A	N/A	N/A	N/A	Coal	0	N/A	(293,135)	(714,045)	N/A	N/A
9	Daniel 1 (1)	251	0	0.0	0.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
10	Daniel 2 (1)	251	39,380	21.1	72.0	14.6	12,727	Coal	26,720	9,379	501,192	1,455,103	3.70	54.46
11	Perdido		2,097					Landfill Gas				70,962	3.38	N/A
12	Other Generation		5,712					Gas				203,804	3.57	N/A
13	Gas, BL							Gas	9,804	1,020	10,000	332,550	N/A	33.92
14	Ltr. Oil							Oil	630	139,400	3,686	44,490	N/A	70.62
15			<u>2,227</u>	<u>527,381</u>	<u>31.8</u>	<u>54.7</u>	<u>8,497</u>				<u>4,414,907</u>	<u>15,686,173</u>	<u>2.97</u>	

Notes:

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: APRIL 2018

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	28,560	52.9	94.4	56.0	12,102	Coal	14,952	11,558	345,633	967,882	3.39	64.73
2	Crist 5	75	28,560	52.9	94.4	56.0	12,330	Gas - G	15,234	11,558	352,145	986,118	3.45	64.73
3	Crist 6	299	0	0.0	26.0	0.0	N/A	Coal	0	0	0	0	N/A	N/A
4	Crist 7	475	0	0.0	26.4	0.0	N/A	Coal	0	0	0	0	N/A	N/A
5	Smith 3	601	366,626	84.8	99.4	91.9	6,937	Gas	2,493,416	1,020	2,543,284	10,230,090	2.79	4.10
6	Smith A (CT)	36	36	0.1	98.3	0.0	13,861	Oil	85	139,400	499	8,230	22.86	96.82
7	Scherer 3 (2)	216	103,206	66.3	98.5	18.5	10,523	Coal	8,438	8,438	1,086,042	2,643,377	2.56	N/A
8	Scherer/Flint Credit	(52)	(24,769)	N/A	N/A	N/A	N/A	Coal	N/A	N/A	(260,650)	(634,410)	N/A	N/A
9	Daniel 1 (1)	251	0	0.0	36.3	0.0	N/A	Coal	0	0	0	0	N/A	N/A
10	Daniel 2 (1)	251	45,993	25.4	93.8	14.0	12,928	Coal	31,721	9,372	594,595	1,723,301	3.75	54.33
11	Perdido		2,031					Landfill Gas				68,729	3.38	N/A
12	Other Generation		5,528					Gas				197,239	3.57	N/A
13	Gas,BL							Gas	9,804	1,020	10,000	317,580	N/A	32.39
14	Ltr. Oil							Oil	630	139,400	3,686	44,523	N/A	70.67
15		2,227	555,771	34.7	68.1	31.9	8,528				4,675,234	16,552,659	2.98	

Notes:

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: MAY 2018

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 (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs.cfd/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost (\$)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75	22,554	40.4	94.5	56.0	11,664	Coal	11,368	11,571	263,070	742,404	3.29	65.31
2	Crist 5	75	5,838	10.5	94.5	56.0	12,330	Gas - G	3,110	11,571	71,983	203,142	3.48	65.32
3	Crist 6	299	31,250	14.0	97.6	56.2	10,911	Coal	14,734	11,571	340,963	962,224	3.08	65.31
4	Crist 7	475	202,915	57.4	99.1	68.2	10,589	Coal	92,847	11,571	2,148,669	6,063,708	2.99	65.31
5	Smith 3	604	232,335	51.7	70.6	89.9	7,222	Gas	1,645,026	1,020	1,677,927	7,539,711	3.25	4.58
6	Smith A (CT)	36	36	0.1	97.7	0.1	13,861	Oil	85	139,400	499	8,230	22.86	96.82
7	Scherer 3 (2)	216	109,487	68.1	98.5	18.5	10,764	Coal	8,436	8,436	1,178,522	2,866,209	2.62	N/A
8	Scherer/Flint Credit	(52)	(26,277)	N/A	N/A	N/A	N/A	Coal	N/A	N/A	(282,845)	(687,890)	N/A	N/A
9	Daniel 1 (1)	251	3,359	1.8	60.8	13.9	12,944	Coal	2,321	9,366	43,479	125,786	3.74	54.19
10	Daniel 2 (1)	251	50,365	27.0	97.0	14.3	13,221	Coal	35,549	9,366	665,877	1,926,420	3.82	54.19
11	Perdido		2,097					Landfill Gas				70,962	3.38	N/A
12	Other Generation		8,568					Gas				305,706	3.57	N/A
13	Gas, BL							Gas	19,608	1,020	20,000	359,586	N/A	18.34
14	Ltr. Oil							Oil	1,190	139,400	6,968	83,981	N/A	70.57
15		2,230	642,527	38.7	88.6	55.2	9,710				6,135,112	20,570,179	3.20	

Notes:

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: JUNE 2018

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 (Tons/MCF/Bbl) (Units)	Fuel Heat Value (Btu/Unit) (lbs.ccf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost (\$)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75	5,208	9.6	96.1	56.0	12,102	Coal	2,721	11,581	63,027	178,335	3.42	65.54
2	Crist 5	75	17,976	33.3	96.1	56.0	12,922	Gas - G	10,028	11,581	232,286	657,254	3.66	65.54
3	Crist 6	299	112,539	52.3	97.6	57.0	11,029	Coal	53,585	11,581	1,241,190	3,511,949	3.12	65.54
4	Crist 7	475	191,362	56.0	99.0	75.7	10,466	Coal	86,465	11,581	2,002,794	5,666,909	2.96	65.54
5	Smith 3	577	357,756	86.1	99.4	91.4	6,949	Gas	2,437,303	1,020	2,486,049	9,954,357	2.78	4.08
6	Smith A (CT)	32	32	0.1	97.8	0.1	14,063	Oil	77	139,400	450	7,422	23.19	96.39
7	Scherer 3 (2)	216	117,474	75.5	98.5	19.2	10,496	Coal	8,436	8,436	1,233,005	2,996,510	2.55	N/A
8	Scherer/Flint Credit (52)	(52)	(28,194)	N/A	98.5	N/A	N/A	Coal	N/A	N/A	(295,921)	(719,162)	N/A	N/A
9	Daniel 1 (1)	251	14,455	8.0	99.0	14.3	12,243	Coal	9,454	9,359	176,968	511,073	3.54	54.06
10	Daniel 2 (1)	251	49,404	27.3	97.1	15.3	12,842	Coal	33,895	9,359	634,452	1,832,258	3.71	54.06
11	Perdido		2,031					Landfill Gas				68,729	3.38	N/A
12	Other Generation		8,292					Gas				295,859	3.57	N/A
13	Gas, BL							Gas	19,608	1,020	20,000	350,644	N/A	17.88
14	Ltr. Oil							Oil	1,190	139,400	6,968	84,086	N/A	70.66
15		2,199	848,335	53.6	98.4	57.2	9,309				7,801,268	25,396,223	2.99	

Notes:

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: JULY 2018

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	20,076	36.0	96.1	56.0	12,102	Coal	10,482	11,589	242,960	687,138	3.42	65.55
2	Crist 5	75	0	0.0	96.1	0.0	N/A	Gas - G	0	0	0	0	N/A	N/A
3	Crist 6	299	98,225	44.2	97.6	59.5	10,756	Coal	45,583	11,589	1,056,510	2,988,016	3.04	65.55
4	Crist 7	475	275,245	77.9	99.1	79.1	10,418	Coal	123,718	11,589	2,867,502	8,109,854	2.95	65.55
5	Smith 3	577	381,829	88.9	99.5	93.5	6,943	Gas	2,599,056	1,020	2,651,037	10,598,804	2.78	4.08
6	Smith A (CT)	32	128	0.5	98.4	0.1	14,063	Oil	307	139,400	1,800	29,687	23.19	96.70
7	Scherer 3 (2)	216	127,155	79.1	98.5	20.1	10,460	Coal	8,435	8,435	1,330,043	3,231,454	2.54	N/A
8	Scherer/Flint Credit	(52)	(30,517)	N/A	98.5	N/A	N/A	Coal	N/A	N/A	(319,210)	(775,549)	N/A	N/A
9	Daniel 1 (1)	251	38,865	20.8	99.1	14.8	12,140	Coal	25,228	9,351	471,824	1,359,753	3.50	53.90
10	Daniel 2 (1)	251	58,636	31.4	97.0	16.7	12,216	Coal	38,299	9,351	716,297	2,064,301	3.52	53.90
11	Perdido		2,097					Landfill Gas				70,962	3.38	N/A
12	Other Generation		8,568					Gas				305,706	3.57	N/A
13	Gas.BL							Gas	14,706	1,020	15,000	343,759	N/A	23.38
14	Ltr. Oil							Oil	1,047	139,400	6,129	73,938	N/A	70.62
15		2,199	980,307	59.9	98.5	57.2	9,323				9,039,892	29,087,823	2.97	

Notes:

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: AUGUST 2018

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)	Heat Value (Btu/Unit) (lbs./cft/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost (\$)	Fuel Cost/kWh (¢/kWh)	Fuel Cost/Unit (\$/Unit)
1	Crist 4	75	26,463	47.4	96.1	56.0	12,102	Coal	13,812	11,593	320,255	905,051	3.42	65.53
2	Crist 5	75	1,806	3.2	96.1	56.0	12,330	Gas - G	960	11,593	22,268	62,930	3.48	65.55
3	Crist 6	299	103,921	46.7	97.6	69.0	10,875	Coal	48,741	11,593	1,130,143	3,193,819	3.07	65.53
4	Crist 7	475	273,534	77.4	99.1	78.6	10,425	Coal	122,983	11,593	2,851,589	8,058,679	2.95	65.53
5	Smith 3	577	375,179	87.4	99.5	92.4	6,946	Gas	2,554,892	1,020	2,605,990	10,476,646	2.79	4.10
6	Smith A (CT)	32	224	0.9	98.4	0.1	14,067	Oil	538	139,400	3,151	51,968	23.20	96.59
7	Scherer 3 (2)	216	127,654	79.4	98.5	20.2	10,453	Coal	8,433	8,433	1,334,364	3,241,391	2.54	N/A
8	Scherer/Flint Credit	(52)	(30,637)	N/A	98.5	N/A	N/A	Coal	N/A	N/A	(320,247)	(777,934)	N/A	N/A
9	Daniel 1 (1)	251	62,643	33.5	99.1	17.2	11,714	Coal	39,265	9,344	733,805	2,110,671	3.37	53.75
10	Daniel 2 (1)	251	58,506	31.3	97.0	19.8	11,649	Coal	36,469	9,344	681,541	1,960,342	3.35	53.75
11	Perdido		2,097					Landfill Gas				70,962	3.38	N/A
12	Other Generation		8,568					Gas				305,706	3.57	N/A
13	Gas, BL							Gas	19,608	1,020	20,000	360,734	N/A	18.40
14	Ltr. Oil							Oil	1,190	139,400	6,968	84,235	N/A	70.79
15		2,199	1,009,958	61.7	98.5	60.6	9,396				9,389,827	30,105,200	2.98	

Notes:

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: SEPTEMBER 2018

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)	Fuel Burned (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	11,592	21.5	96.1	56.0	11,175	Coal	5,586	11,595	129,541	368,279	3.18	65.93	
2	Crist 5	75	24,822	46.0	96.1	56.0	12,330	Gas - G	13,197	11,595	306,055	870,101	3.51	65.93	
3	Crist 6	299	0	0.0	97.6	0.0	N/A	Coal	0	0	0	0	N/A	N/A	
4	Crist 7	475	202,916	59.3	99.0	74.6	10,484	Coal	91,734	11,595	2,127,367	6,048,010	2.98	65.93	
5	Smith 3	577	350,543	84.4	99.4	92.3	6,946	Gas	2,387,125	1,020	2,434,868	9,818,190	2.80	4.11	
6	Smith A (CT)	32	64	0.3	98.5	0.1	14,063	Oil	154	139,400	900	14,843	23.19	96.38	
7	Scherer 3 (2)	216	116,492	74.9	98.5	19.5	10,481	Coal	8,434	8,434	1,220,951	2,966,736	2.55	N/A	
8	Scherer/Flint Credit	(52)	(27,958)	N/A	N/A	N/A	N/A	Coal	N/A	N/A	(293,028)	(712,017)	N/A	N/A	
9	Daniel 1 (1)	251	50,625	28.0	99.0	14.5	12,208	Coal	33,080	9,341	618,035	1,776,344	3.51	53.70	
10	Daniel 2 (1)	251	0	0.0	51.8	0.0	N/A	Coal	0	0	0	0	N/A	N/A	
11	Perdido		2,031					Landfill Gas				68,729	3.38	N/A	
12	Other Generation		8,292					Gas				295,859	3.57	N/A	
13	Gas, BL							Gas	14,706	1,020	15,000	334,028	N/A	22.71	
14	Ltr. Oil							Oil	654	139,400	3,830	46,557	N/A	71.19	
15			<u>2,199</u>	<u>739,419</u>	<u>46.7</u>	<u>47.7</u>	<u>9,002</u>				<u>6,563,519</u>	<u>21,895,659</u>	<u>2.96</u>		

Notes:

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: OCTOBER 2018

Line	Plant/Unit	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Type	Fuel Burned (Units) (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost (\$)	Fuel Cost/kWh (\$/kWh)	Fuel Cost/Unit (\$/Unit)
1	Crist 4	75	7,266	13.0	94.5	56.0	10,470	Coal	3,280	11,597	76,075	217,509	2.99	66.31
2	Crist 5	75	29,232	52.4	94.5	56.0	11,448	Gas - G	14,429	11,597	334,648	956,803	3.27	66.31
3	Crist 6	299	15,793	7.1	97.6	56.2	11,042	Coal	7,519	11,597	174,384	498,587	3.16	66.31
4	Crist 7	475	157,704	44.6	99.9	0.0	10,684	Coal	72,647	11,597	1,684,909	4,817,378	3.05	66.31
5	Smith 3	601	260,250	58.2	70.6	91.6	6,938	Gas	1,770,212	1,020	1,805,616	8,014,941	3.08	4.53
6	Smith A (CT)	36	36	0.1	98.4	0.1	13,861	Oil	85	139,400	499	8,230	22.86	96.82
7	Scherer 3 (2)	216	65,709	40.9	82.7	19.3	10,490	Coal	8,439	8,439	689,291	1,677,840	2.55	N/A
8	Scherer/Flint Credit	(52)	(15,770)	N/A	N/A	N/A	N/A	Coal	N/A	N/A	(165,430)	(402,682)	N/A	N/A
9	Daniel 1 (1)	251	51,561	27.6	99.1	14.6	12,182	Coal	33,636	9,337	628,116	1,803,156	3.50	53.61
10	Daniel 2 (1)	251	50,517	27.1	94.0	15.0	12,094	Coal	32,716	9,337	610,950	1,753,877	3.47	53.61
11	Perdido		2,097					Landfill Gas				70,962	3.38	N/A
12	Other Generation		5,712					Gas				203,804	3.57	N/A
13	Gas, BL							Gas	19,608	1,020	20,000	360,586	N/A	18.39
14	Ltr. Oil							Oil	1,190	139,400	6,968	84,324	N/A	70.86
15		2,227	630,107	38.0	91.2	41.2	9,426				5,866,026	20,065,315	3.18	

Notes:

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: NOVEMBER 2018

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	21,714	40.2	94.4	56.0	12,102	Coal	11,329	11,598	262,783	753,949	3.47	66.55
2	Crist 5	75	8,904	16.5	94.4	56.0	11,013	Gas - G	4,228	11,598	98,060	281,343	3.16	66.54
3	Crist 6	299	34,133	15.9	97.6	56.2	11,042	Coal	16,249	11,598	376,893	1,081,341	3.17	66.55
4	Crist 7	475	156,518	45.8	100.0	64.9	10,560	Coal	71,258	11,598	1,652,831	4,742,125	3.03	66.55
5	Smith 3	601	308,991	71.4	82.9	92.2	6,936	Gas	2,101,142	1,020	2,143,165	7,779,793	2.52	3.70
6	Smith A (CT)	36	0	0.0	98.3	0.0	N/A	Oil	0	139,400	0	0	N/A	N/A
7	Scherer 3 (2)	216	112,567	72.3	98.5	18.5	10,524	Coal	8,438	8,438	1,184,652	2,882,954	2.56	N/A
8	Scherer/Flint Credit	(52)	(27,016)	N/A	N/A	N/A	N/A	Coal	N/A	N/A	(284,316)	(691,909)	N/A	N/A
9	Daniel 1 (1)	251	39,693	22.0	99.0	14.3	12,243	Coal	26,032	9,334	485,956	1,393,862	3.51	53.54
10	Daniel 2 (1)	251	51,475	28.5	97.1	14.7	11,462	Coal	31,605	9,334	590,008	1,692,312	3.29	53.55
11	Perdido		2,031					Landfill Gas				68,729	3.38	N/A
12	Other Generation		5,528					Gas				197,239	3.57	N/A
13	Gas, BL							Gas	19,608	1,020	20,000	352,118	N/A	17.96
14	Ltr. Oil							Oil	1,190	139,400	6,968	84,372	N/A	70.87
15		2,227	714,538	44.6	96.4	55.1	9,246				6,537,000	20,618,228	2.89	

Notes:

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

SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE MONTH OF: DECEMBER 2018

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 (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit) (lbs.ccf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost (\$)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75	19,152	34.3	94.5	56.0	12,102	Coal	9,992	11,598	231,778	667,417	3.48	66.80
2	Crist 5	75	13,104	23.5	94.5	56.0	12,330	Gas - G	6,965	11,598	161,572	465,255	3.55	66.80
3	Crist 6	299	72,788	32.7	97.6	56.4	11,040	Coal	34,643	11,598	803,580	2,313,952	3.18	66.79
4	Crist 7	475	94,663	26.8	99.1	69.2	10,572	Coal	43,144	11,598	1,000,779	2,881,797	3.04	66.79
5	Smith 3	628	407,501	87.3	99.5	90.8	6,928	Gas	2,767,810	1,020	2,823,166	10,315,850	2.53	3.73
6	Smith A (CT)	40	0	0.0	98.4	0.0	N/A	Oil	0	139,400	0	0	N/A	N/A
7	Scherer 3 (2)	216	120,130	74.7	98.5	18.9	10,505	Coal	8,437	8,437	1,261,965	3,069,419	2.56	N/A
8	Scherer/Flint Credit	(52)	(28,831)	N/A	98.5	N/A	N/A	Coal	N/A	N/A	(302,872)	(736,661)	N/A	N/A
9	Daniel 1 (1)	251	40,816	21.9	99.1	14.1	12,288	Coal	26,874	9,331	501,544	1,437,503	3.52	53.49
10	Daniel 2 (1)	251	51,373	27.5	97.0	14.3	12,825	Coal	35,304	9,331	658,855	1,888,383	3.68	53.49
11	Perdido		2,097					Landfill Gas				70,962	3.38	N/A
12	Other Generation		5,720					Gas				204,090	3.57	N/A
13	Gas, BL							Gas	19,608	1,020	20,000	364,318	N/A	18.58
14	Ltr. Oil							Oil	1,190	139,400	6,968	84,413	N/A	70.94
15		2,258	798,513	47.5	98.4	56.0	9,065				7,167,335	23,026,698	2.88	

Notes:

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

**SYSTEM NET GENERATION AND FUEL COST
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2018 - DECEMBER 2018**

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)	Fuel Burned (Tons/MCF/Bbl)	Fuel Heat Value (Btu/Unit)	Fuel Burned (MMBtu)	Fuel Burned Cost (\$)	Fuel Cost/ kWh (¢/kWh)	Fuel Cost/ Unit (\$/Unit)
1	Crist 4	75	238,353	36.2	95.3	56.0	11,966	Coal	123,231	11,572	11,572	2,852,067	7,950,504	3.34	64.52
								Gas - G	0	0	0	0	0		
2	Crist 5	75	189,420	28.8	95.3	56.0	12,188	Coal	99,751	11,572	11,572	2,308,683	6,443,927	3.40	64.60
								Gas - G	0	0	0	0	0		
3	Crist 6	299	600,732	22.9	83.2	58.8	10,956	Coal	284,203	11,579	11,579	6,581,638	18,435,433	3.07	64.87
								Gas - G	0	0	0	0	0		
4	Crist 7	475	1,664,116	39.9	82.1	72.1	10,500	Coal	754,030	11,586	11,586	17,472,407	49,367,316	2.97	65.47
								Gas - G	0.00	0.00	0.00	0.00	0.00		
5	Smith 3	600	4,031,809	76.5	93.2	91.0	6,943	Gas - G	27,444,675	1,020	1,020	27,993,569	113,385,721	2.81	4.13
6	Smith A (CT)	36	672	0.2	98.1	0.1	13,991	Oil - G	1,605	139,475	139,475	9,402	155,064	23.08	96.61
7	Scherer 3 (2)	216	1,353,538	71.3	97.2	19.4	10,495	Coal	0	N/A	N/A	14,204,911	34,571,593	2.55	N/A
8	Scherer/Flint Credit	(52)	(324,848)	N/A	N/A	N/A	N/A	Coal	0	N/A	N/A	(3,409,178)	(8,297,183)	N/A	N/A
9	Daniel 1 (1)	251	365,763	16.6	82.2	14.8	12,205	Coal	238,713	9,350	9,350	4,464,008	12,860,712	3.52	53.88
10	Daniel 2 (1)	251	526,519	23.9	90.7	15.3	12,430	Coal	349,705	9,357	9,357	6,544,455	18,890,045	3.59	54.02
11	Perdido		24,699					Landfill Gas					835,811	3.38	N/A
12	Other Generation		81,360					Gas					2,902,925	3.57	N/A
13	Gas,BL							Gas	205,884	1,020	1,020	210,000	4,195,667	N/A	20.38
14	Ltr. Oil							Oil	12,482	139,395	139,395	73,075	882,162	N/A	70.68
15		2,226	8,752,133	44.8	90.8	56.9	9,172					79,305,037	262,579,697	3.00	

Notes:

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

**SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2018 - DECEMBER 2018**

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
LIGHT OIL													
1													
2	1,193	1,193	633	633	1,193	1,193	1,050	1,193	657	1,187	1,193	1,193	12,513
3	71.12	71.12	71.29	71.29	71.12	71.12	71.03	71.12	71.44	71.10	71.12	71.12	71.14
4	84,867	84,867	45,111	45,111	84,867	84,867	74,581	84,867	46,959	84,399	84,867	84,867	890,230
5													
6	1,190	1,190	630	630	1,190	1,190	1,047	1,190	654	1,190	1,190	1,190	12,482
7	70.19	70.33	70.66	70.72	70.56	70.65	70.63	70.78	71.17	70.85	70.89	70.93	70.68
8	83,534	83,709	44,490	44,523	83,981	84,086	73,938	84,235	46,557	84,324	84,372	84,413	882,162
9													
10	7,368	7,371	7,374	7,377	7,380	7,384	7,387	7,390	7,393	7,390	7,393	7,393	7,396
11	70.67	70.80	70.85	70.90	70.99	71.07	71.12	71.18	71.20	71.24	71.28	71.31	71.31
12	520,695	521,853	522,474	523,062	523,948	524,729	525,372	526,004	526,406	526,481	526,976	527,430	527,430
13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COAL(EXCLUDING SCHERER)													
14													
15	171,377	108,165	57,939	61,916	159,939	196,145	243,306	262,227	143,596	164,225	160,700	156,922	1,886,457
16	62.64	63.32	65.40	64.45	63.43	63.14	62.36	61.96	63.77	61.67	62.18	61.86	62.71
17	10,734,953	6,849,287	3,789,354	3,990,607	10,144,804	12,385,422	15,171,357	16,247,295	9,157,095	10,127,333	9,992,299	9,706,546	118,296,352
18													
19	134,556	108,166	57,940	61,907	159,929	196,148	243,310	262,230	143,597	164,227	160,701	156,922	1,849,633
20	58.16	59.33	59.30	59.40	62.68	63.00	62.51	62.13	63.11	61.18	61.88	61.52	61.61
21	7,825,488	6,417,919	3,435,930	3,677,301	10,023,684	12,357,778	15,209,062	16,291,492	9,062,734	10,047,310	9,944,932	9,654,307	113,947,937
22													
23	527,999	527,998	527,997	528,006	528,016	528,013	528,009	528,006	528,005	528,003	528,002	528,002	528,002
24	57.57	58.39	59.06	59.65	59.88	59.93	59.86	59.77	59.95	60.10	60.19	60.29	60.29
25	30,396,162	30,827,530	31,180,954	31,494,260	31,615,380	31,643,024	31,605,319	31,561,122	31,655,483	31,735,506	31,782,873	31,835,112	31,835,112
26	32	32	32	32	32	32	32	32	32	32	32	32	32

(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 2018 - DECEMBER 2018**

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
COAL at Plant Scherer													
PURCHASES:													
1 UNITS (MMBTU)	1,283,156	1,082,647	1,186,071	1,060,433	1,137,094	1,192,875	1,287,484	1,295,942	1,137,953	656,092	1,097,481	1,209,575	13,626,803
2 UNIT COST (\$/MMBTU)	2.42	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.45	2.43	2.43	2.43
4 AMOUNT (\$)	3,111,568	2,629,159	2,877,883	2,575,910	2,760,364	2,894,235	3,126,295	3,146,942	2,766,898	1,608,433	2,669,314	2,938,455	33,105,456
BURNED:													
6 UNITS (MMBTU)	1,338,232	1,126,448	1,221,396	1,086,042	1,178,522	1,233,005	1,330,043	1,334,364	1,220,951	689,291	1,184,652	1,261,965	14,204,911
7 UNIT COST (\$/MMBTU)	2.44	2.44	2.44	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
8 AMOUNT (\$)	3,271,834	2,748,682	2,975,187	2,643,377	2,866,209	2,996,510	3,231,454	3,241,391	2,966,736	1,677,840	2,882,954	3,069,419	34,571,593
ENDING INVENTORY:													
10 UNITS (MMBTU)	3,177,585	3,133,784	3,098,459	3,072,850	3,031,422	2,991,292	2,948,733	2,910,311	2,827,313	2,794,114	2,706,943	2,654,553	
11 UNIT COST (\$/MMBTU)	2.44	2.44	2.44	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	
12 AMOUNT (\$)	7,762,420	7,642,897	7,545,593	7,478,126	7,372,281	7,270,006	7,164,847	7,070,398	6,870,560	6,801,153	6,587,513	6,456,549	
13 DAYS SUPPLY:	60	59	59	58	57	57	56	55	54	53	51	50	
GAS (1)													
BURNED:													
15 UNITS (MMBTU)	2,350,329	2,222,249	2,249,889	2,543,284	1,677,927	2,486,049	2,651,037	2,605,990	2,434,868	1,805,616	2,143,165	2,823,166	27,993,569
16 UNIT COST (\$/MMBTU)	4.25	4.20	4.15	4.02	4.49	4.00	4.00	4.02	4.03	4.44	3.63	3.65	4.05
17 AMOUNT (\$)	9,990,654	9,337,620	9,329,065	10,230,090	7,539,711	9,954,357	10,598,804	10,476,646	9,818,190	8,014,941	7,779,793	10,315,850	113,385,721
OTHER - C.T. OIL													
PURCHASES:													
18 UNITS (BBL)	0	189	85	85	85	77	307	538	154	85	0	0	1,606
20 UNIT COST (\$/BBL)	0.00	96.56	96.55	96.55	96.55	96.57	96.57	96.56	96.56	96.55	0.00	0.00	96.55
21 AMOUNT (\$)	0	18,224	8,230	8,230	8,230	7,422	29,687	51,968	14,843	8,230	0	0	155,064
BURNED:													
23 UNITS (BBL)	0.00	189.00	85.00	85.00	85.00	77.00	307.00	538.00	154.00	85.00	0.00	0.00	1,605
24 UNIT COST (\$/BBL)	0.00	96.42	96.82	96.82	96.82	96.39	96.70	96.59	96.38	96.82	0.00	0.00	96.61
25 AMOUNT (\$)	0	18,224	8,230	8,230	8,230	7,422	29,687	51,968	14,843	8,230	0	0	155,064
ENDING INVENTORY:													
26 UNITS (BBL)	16,212	16,212	16,212	16,213	16,213	16,213	16,213	16,213	16,213	16,213	16,213	16,213	16,213
28 UNIT COST (\$/BBL)	88.38	88.38	88.38	88.38	88.38	88.38	88.37	88.37	88.37	88.37	88.37	88.37	88.37
29 AMOUNT (\$)	1,432,818	1,432,818	1,432,818	1,432,818	1,432,818	1,432,818	1,432,818	1,432,818	1,432,818	1,432,818	1,432,818	1,432,818	1,432,818
30 HOURS SUPPLY:	183	183	183	183	183	183	183	183	183	183	183	183	183

(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 2018 - DECEMBER 2018

LINE	MONTH	TYPE & SCHEDULE	KWH		¢ / kWh		TOTAL \$		
			TOTAL KWH SOLD	WHEELED FROM OTHER SYSTEMS	KWH FROM OWN GENERATION	FUEL COST	TOTAL COST	FOR FUEL ADJUSTMENT	TOTAL COST \$
JANUARY									
1		Southern Co. Interchange	173,478,000	0	173,478,000	2.58	3.12	4,470,461	5,412,454
2		Economy Sales	10,619,000	0	10,619,000	2.48	2.92	263,222	310,240
3		Gain on Economy Sales	0	0	0	0.00	0.00	24,000	24,000
4		TOTAL ESTIMATED SALES	184,097,000	0	184,097,000	2.58	3.12	4,757,683	5,746,694
FEBRUARY									
5		Southern Co. Interchange	118,214,000	0	118,214,000	2.45	2.89	2,897,057	3,417,285
6		Economy Sales	12,669,000	0	12,669,000	2.48	2.84	314,362	359,531
7		Gain on Economy Sales	0	0	0	0.00	0.00	20,000	20,000
8		TOTAL ESTIMATED SALES	130,883,000	0	130,883,000	2.47	2.90	3,231,419	3,796,816
MARCH									
9		Southern Co. Interchange	126,352,000	0	126,352,000	2.39	2.88	3,025,890	3,640,313
10		Economy Sales	10,094,000	0	10,094,000	2.41	2.82	243,039	284,856
11		Gain on Economy Sales	0	0	0	0.00	0.00	14,000	14,000
12		TOTAL ESTIMATED SALES	136,446,000	0	136,446,000	2.41	2.89	3,282,929	3,939,169
APRIL									
13		Southern Co. Interchange	156,844,000	0	156,844,000	2.28	2.69	3,582,986	4,219,392
14		Economy Sales	6,259,000	0	6,259,000	2.29	2.67	143,328	166,922
15		Gain on Economy Sales	0	0	0	0.00	0.00	10,000	10,000
16		TOTAL ESTIMATED SALES	163,103,000	0	163,103,000	2.29	2.70	3,736,314	4,396,314
MAY									
17		Southern Co. Interchange	286,238,000	0	286,238,000	2.37	2.84	6,788,518	8,125,295
18		Economy Sales	4,295,000	0	4,295,000	2.50	2.92	107,488	125,564
19		Gain on Economy Sales	0	0	0	0.00	0.00	19,000	19,000
20		TOTAL ESTIMATED SALES	290,533,000	0	290,533,000	2.38	2.85	6,915,006	8,269,859
JUNE									
21		Southern Co. Interchange	323,349,000	0	323,349,000	2.63	2.99	8,499,116	9,659,574
22		Economy Sales	5,206,000	0	5,206,000	2.91	3.27	151,747	170,179
23		Gain on Economy Sales	0	0	0	0.00	0.00	29,000	29,000
24		TOTAL ESTIMATED SALES	328,555,000	0	328,555,000	2.64	3.00	8,679,863	9,858,753

SCHEDULE E-6
Page 2 of 2

POWER SOLD
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2018 - DECEMBER 2018

LINE	MONTH	TYPE & SCHEDULE	KWH		KWH FROM OWN GENERATION	¢ / kWh		TOTAL \$ FOR FUEL ADJUSTMENT	TOTAL COST \$
			TOTAL KWH SOLD	WHEELED FROM OTHER SYSTEMS		FUEL COST	TOTAL COST		
JULY									
1		Southern Co. Interchange	395,341,000	0	395,341,000	2.79	3.20	11,040,033	12,643,592
2		Economy Sales	8,569,000	0	8,569,000	2.94	3.34	251,630	286,314
3		Gain on Economy Sales	0	0	0	0.00	0.00	37,000	37,000
4		TOTAL ESTIMATED SALES	403,910,000	0	403,910,000	2.80	3.21	11,328,663	12,966,906
AUGUST									
5		Southern Co. Interchange	422,276,000	0	422,276,000	2.93	3.35	12,379,944	14,167,250
6		Economy Sales	6,978,000	0	6,978,000	2.90	3.30	202,098	230,004
7		Gain on Economy Sales	0	0	0	0.00	0.00	37,000	37,000
8		TOTAL ESTIMATED SALES	429,254,000	0	429,254,000	2.94	3.36	12,619,042	14,434,254
SEPTEMBER									
9		Southern Co. Interchange	295,876,000	0	295,876,000	2.69	3.08	7,959,121	9,108,874
10		Economy Sales	7,259,000	0	7,259,000	2.86	3.20	207,807	232,504
11		Gain on Economy Sales	0	0	0	0.00	0.00	25,000	25,000
12		TOTAL ESTIMATED SALES	303,135,000	0	303,135,000	2.70	3.09	8,191,928	9,366,378
OCTOBER									
13		Southern Co. Interchange	216,711,000	0	216,711,000	2.32	2.71	5,020,743	5,881,243
14		Economy Sales	6,765,000	0	6,765,000	2.36	2.77	159,983	187,177
15		Gain on Economy Sales	0	0	0	0.00	0.00	14,000	14,000
16		TOTAL ESTIMATED SALES	223,476,000	0	223,476,000	2.32	2.72	5,194,726	6,082,420
NOVEMBER									
17		Southern Co. Interchange	512,601,000	0	512,601,000	2.35	2.87	12,071,151	14,692,768
18		Economy Sales	4,503,000	0	4,503,000	2.44	2.86	109,889	128,611
19		Gain on Economy Sales	0	0	0	0.00	0.00	15,000	15,000
20		TOTAL ESTIMATED SALES	517,104,000	0	517,104,000	2.36	2.87	12,196,040	14,836,379
DECEMBER									
21		Southern Co. Interchange	503,220,000	0	503,220,000	2.40	2.83	12,057,860	14,238,563
22		Economy Sales	8,098,000	0	8,098,000	2.37	2.74	192,048	221,968
23		Gain on Economy Sales	0	0	0	0.00	0.00	20,000	20,000
24		TOTAL ESTIMATED SALES	511,318,000	0	511,318,000	2.40	2.83	12,269,908	14,480,531
TOTAL									
25		Southern Co. Interchange	3,530,500,000	0	3,530,500,000	2.54	2.98	89,792,880	105,206,603
26		Economy Sales	91,314,000	0	91,314,000	2.57	2.96	2,346,641	2,703,870
27		Gain on Economy Sales	0	0	0	0.00	0.00	264,000	264,000
28		TOTAL ESTIMATED SALES	3,621,814,000	0	3,621,814,000	2.55	2.99	92,403,521	108,174,473

SCHEDULE E-7

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

PROPOSED FOR THE PERIOD OF: JANUARY 2018 - DECEMBER 2018

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

SCHEDULE E-8

ENERGY PAYMENT TO QUALIFYING FACILITIES
 GULF POWER COMPANY
 PROPOSED FOR THE PERIOD OF: JANUARY 2018 - DECEMBER 2018

MONTH	PURCHASED FROM:	TYPE AND SCHEDULE	TOTAL KWH PURCHASED	KWH FOR OTHER UTILITIES	KWH FOR INTERRUPTIBLE	KWH FOR FIRM	¢/kWh		TOTAL \$ FOR FUEL ADJ.
							(A) FUEL COST	(B) TOTAL COST	
JANUARY		COG-1	0			None	0	0.00	0
FEBRUARY		COG-1	0			None	0	0.00	0
MARCH		COG-1	0			None	0	0.00	0
APRIL		COG-1	0			None	0	0.00	0
MAY		COG-1	0			None	0	0.00	0
JUNE		COG-1	0			None	0	0.00	0
JULY		COG-1	0			None	0	0.00	0
AUGUST		COG-1	0			None	0	0.00	0
SEPTEMBER		COG-1	0			None	0	0.00	0
OCTOBER		COG-1	0			None	0	0.00	0
NOVEMBER		COG-1	0			None	0	0.00	0
DECEMBER		COG-1	0			None	0	0.00	0
TOTAL			<u>0</u>			<u>0</u>	0.00	0.00	<u>0</u>

SCHEDULE E-9
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ECONOMY ENERGY PURCHASES
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2018 - DECEMBER 2018

LINE	MONTH	TYPE & SCHEDULE	TOTAL KWH PURCHASED	TRANSACTION COST ¢ / kWh	TOTAL \$ FOR FUEL ADJ.
JANUARY					
1		Southern Co. Interchange	78,435,000	2.64	2,070,615
2		Economy Energy	7,389,000	2.89	213,873
3		Other Purchases	<u>348,670,000</u>	3.74	<u>13,046,000</u>
4		TOTAL ESTIMATED PURCHASES	<u><u>434,494,000</u></u>	3.53	<u><u>15,330,488</u></u>
FEBRUARY					
5		Southern Co. Interchange	66,572,000	2.66	1,769,211
6		Economy Energy	9,084,000	2.86	260,227
7		Other Purchases	<u>241,066,000</u>	3.78	<u>9,121,000</u>
8		TOTAL ESTIMATED PURCHASES	<u><u>316,722,000</u></u>	3.52	<u><u>11,150,438</u></u>
MARCH					
9		Southern Co. Interchange	112,276,000	2.70	3,034,773
10		Economy Energy	7,695,000	2.82	217,026
11		Other Purchases	<u>298,954,000</u>	3.63	<u>10,850,000</u>
12		TOTAL ESTIMATED PURCHASES	<u><u>418,925,000</u></u>	3.37	<u><u>14,101,799</u></u>
APRIL					
13		Southern Co. Interchange	56,694,000	2.58	1,462,231
14		Economy Energy	4,827,000	2.73	131,997
15		Other Purchases	<u>366,745,000</u>	3.53	<u>12,932,000</u>
16		TOTAL ESTIMATED PURCHASES	<u><u>428,266,000</u></u>	3.39	<u><u>14,526,228</u></u>
MAY					
17		Southern Co. Interchange	10,615,000	2.56	272,128
18		Economy Energy	2,791,000	2.94	81,971
19		Other Purchases	<u>656,536,000</u>	3.00	<u>19,727,000</u>
20		TOTAL ESTIMATED PURCHASES	<u><u>669,942,000</u></u>	3.00	<u><u>20,081,099</u></u>
JUNE					
21		Southern Co. Interchange	11,075,000	3.55	393,006
22		Economy Energy	2,916,000	3.28	95,623
23		Other Purchases	<u>652,680,000</u>	3.02	<u>19,725,000</u>
24		TOTAL ESTIMATED PURCHASES	<u><u>666,671,000</u></u>	3.03	<u><u>20,213,629</u></u>

SCHEDULE E-9
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ECONOMY ENERGY PURCHASES
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2018 - DECEMBER 2018

LINE	MONTH	TYPE & SCHEDULE	TOTAL KWH PURCHASED	TRANSACTION COST ¢ / kWh	TOTAL \$ FOR FUEL ADJ.
JULY					
1		Southern Co. Interchange	9,963,000	3.78	376,297
2		Economy Energy	4,680,000	3.55	166,257
3		Other Purchases	<u>688,826,000</u>	2.98	<u>20,556,000</u>
4		TOTAL ESTIMATED PURCHASES	<u><u>703,469,000</u></u>	3.00	<u><u>21,098,554</u></u>
AUGUST					
5		Southern Co. Interchange	1,015,000	3.38	34,315
6		Economy Energy	3,805,000	3.51	133,609
7		Other Purchases	<u>681,093,000</u>	2.98	<u>20,317,000</u>
8		TOTAL ESTIMATED PURCHASES	<u><u>685,913,000</u></u>	2.99	<u><u>20,484,924</u></u>
SEPTEMBER					
9		Southern Co. Interchange	21,461,000	2.83	606,306
10		Economy Energy	3,735,000	3.19	119,029
11		Other Purchases	<u>642,648,000</u>	2.97	<u>19,094,000</u>
12		TOTAL ESTIMATED PURCHASES	<u><u>667,844,000</u></u>	2.97	<u><u>19,819,335</u></u>
OCTOBER					
13		Southern Co. Interchange	85,071,000	2.85	2,427,604
14		Economy Energy	3,807,000	2.73	103,869
15		Other Purchases	<u>413,070,000</u>	3.30	<u>13,622,000</u>
16		TOTAL ESTIMATED PURCHASES	<u><u>501,948,000</u></u>	3.22	<u><u>16,153,473</u></u>
NOVEMBER					
17		Southern Co. Interchange	9,202,000	2.25	207,412
18		Economy Energy	2,283,000	2.83	64,707
19		Other Purchases	<u>593,342,000</u>	3.08	<u>18,272,000</u>
20		TOTAL ESTIMATED PURCHASES	<u><u>604,827,000</u></u>	3.07	<u><u>18,544,119</u></u>
DECEMBER					
21		Southern Co. Interchange	8,385,000	2.39	200,092
22		Economy Energy	4,575,000	2.71	124,163
23		Other Purchases	<u>594,304,000</u>	3.10	<u>18,424,000</u>
24		TOTAL ESTIMATED PURCHASES	<u><u>607,264,000</u></u>	3.09	<u><u>18,748,255</u></u>
TOTAL FOR PERIOD					
25		Southern Co. Interchange	470,764,000	2.73	12,853,990
26		Economy Energy	57,587,000	2.97	1,712,351
27		Other Purchases	<u>6,177,934,000</u>	3.17	<u>195,686,000</u>
28		TOTAL ESTIMATED PURCHASES	<u><u>6,706,285,000</u></u>	3.14	<u><u>210,252,341</u></u>

SCHEDULE E-10

**GULF POWER COMPANY
RESIDENTIAL BILL COMPARISON
FOR MONTHLY USAGE OF 1,000 kWh
PROPOSED FOR THE PERIOD OF: JANUARY 2018 - DECEMBER 2018**

	Current Approved Jul. 17 - Dec. 17 (\$/1,000 kWh)	Proposed Jan. 18 - Dec. 18 (\$/1,000 kWh)	Difference from Current (\$)	Difference from Current (%)
Base Rate	\$ 71.31	\$ 71.31	\$ -	0.0%
Fuel Cost Recovery	31.63	38.10	6.47	20.5%
Capacity Cost Recovery	8.07	8.35	0.28	3.5%
Energy Conservation Cost Recovery	1.60	1.40	(0.20)	-12.5%
Environmental Cost Recovery	21.58	21.21 *	(0.37)	-1.7%
Subtotal	\$ 134.19	\$ 140.37	\$ 6.18	4.6%
Gross Receipts Tax	3.44	3.60	0.16	4.7%
Total	\$ 137.63	\$ 143.97	\$ 6.34	4.6%

* Estimate-Environmental Projection will be filed on September 1, 2017

SCHEDULE E-11

**ESTIMATED AS-AVAILABLE AVOIDED ENERGY COST
GULF POWER COMPANY
PROPOSED FOR THE PERIOD OF: JANUARY 2018 - DECEMBER 2018**

	<u>TOTAL</u> <u>¢ / kWh</u>
2018 JANUARY	2.836
FEBRUARY	2.836
MARCH	2.836
APRIL	2.958
MAY	2.958
JUNE	2.958
JULY	2.958
AUGUST	2.958
SEPTEMBER	2.958
OCTOBER	2.958
NOVEMBER	2.836
DECEMBER	2.836
2019 JANUARY	2.753
FEBRUARY	2.753
MARCH	2.753
APRIL	2.933
MAY	2.933
JUNE	2.933
JULY	2.933
AUGUST	2.933
SEPTEMBER	2.933
OCTOBER	2.933
NOVEMBER	2.753
DECEMBER	2.753

SCHEDULE H1

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
 GULF POWER COMPANY
 PROPOSED FOR THE PERIOD OF: JANUARY 2018 - DECEMBER 2018

LINE	LINE DESCRIPTION	2015	2016	2017	2018	% Change		
						2015 to 2016	2016 to 2017	2017 to 2018
FUEL COST OF SYSTEM NET GENERATION (\$)								
1	LIGHTER OIL (B.L.)	1,041,770	761,818	735,886	882,162	(26.87)	(3.40)	19.88
2	COAL	137,565,166	160,639,538	140,114,416	113,947,937	16.77	(12.78)	(18.68)
2a	COAL at Scherer	0	0	17,121,552	34,571,593	0.00	100.00	101.92
2b	Flint Credit	0	0	0	(8,297,183)	0.00	0.00	(100.00)
3	GAS	135,200,134	120,577,791	109,160,533	113,385,721	(10.82)	(9.47)	3.87
4	GAS (B.L.)	2,330,432	3,660,486	4,156,086	4,195,667	57.07	13.54	0.95
5	LANDFILL GAS	963,353	758,264	774,446	835,811	(21.29)	2.13	7.92
6	OTHER - C.T.	0	0	0	155,064	0.00	0.00	100.00
7	OTHER GENERATION	2,968,865	2,857,236	2,514,497	2,902,925	(3.76)	(12.00)	15.45
8	TOTAL (\$)	<u>280,069,720</u>	<u>289,255,133</u>	<u>274,577,416</u>	<u>262,579,697</u>	3.28	(5.07)	(4.37)
SYSTEM NET GENERATION (MWh)								
9	COAL	3,558,501	4,597,504	4,450,261	3,584,903	29.20	(3.20)	(19.45)
9a	COAL at Scherer	0	0	798,738	1,353,538	0.00	100.00	69.46
9b	Flint Credit	0	0	0	(324,848)	0.00	0.00	(100.00)
10	GAS	3,855,439	3,524,535	3,997,684	4,031,809	(8.58)	13.42	0.85
11	LANDFILL GAS	31,952	24,788	24,719	24,699	(22.42)	(0.28)	(0.08)
12	OTHER - C.T.	0	0	0	672	0.00	0.00	100.00
13	OTHER GENERATION	81,428	81,612	81,428	81,360	0.23	(0.23)	(0.08)
14	TOTAL (MWH)	<u>7,527,320</u>	<u>8,228,439</u>	<u>9,352,830</u>	<u>8,752,133</u>	9.31	13.66	(6.42)
UNITS OF FUEL BURNED								
15	LIGHTER OIL (BBL)	8,388	8,491	10,947	12,482	1.23	28.92	14.02
16	COAL excl. Scherer (TON)	1,752,649	2,156,455	2,081,172	1,849,633	23.04	(3.49)	(11.13)
17	GAS (MCF)	26,416,028	23,960,636	27,121,109	27,650,559	(9.30)	13.19	1.95
18	OTHER - C.T. (BBL)	0	0	0	1,605	0.00	0.00	100.00
BTUS BURNED (MMBtu)								
19	COAL + GAS B.L. + OIL B.L.	38,051,955	48,979,775	53,815,132	51,302,066	28.72	9.87	(4.67)
20	GAS - Generation	26,416,028	24,224,848	27,663,531	27,993,569	(8.29)	14.19	1.19
21	OTHER - C.T.	0	0	0	9,402	0.00	0.00	100.00
22	TOTAL (MMBtu)	<u>64,467,983</u>	<u>73,204,623</u>	<u>81,478,663</u>	<u>79,305,037</u>	13.55	11.30	(2.67)
GENERATION MIX (% MWh)								
23	COAL + GAS B.L. + OIL B.L.	47.27	55.87	56.12	52.71	18.19	0.45	(6.08)
24	GAS - Generation	51.22	42.83	42.74	46.07	(16.38)	(0.21)	7.79
25	LANDFILL GAS	0.42	0.30	0.26	0.28	(28.57)	(13.33)	7.69
26	OTHER - C.T.	0.00	0.00	0.00	0.01	0.00	0.00	100.00
27	OTHER GENERATION	1.08	0.99	0.87	0.93	(8.33)	(12.12)	6.90
28	TOTAL (% MWH)	<u>100.00</u>	<u>100.00</u>	<u>100.00</u>	<u>100.00</u>	0.00	0.00	0.00
FUEL COST PER UNIT								
29	LIGHTER OIL B.L. (\$/BBL)	124.20	89.72	67.22	70.68	(27.76)	(25.08)	5.15
30	COAL (\$/TON)	78.49	74.49	67.32	61.61	(5.10)	(9.63)	(8.48)
31	GAS +B.L. (\$/MCF)	5.21	5.19	4.18	4.25	(0.38)	(19.46)	1.67
32	OTHER - C.T.	0.00	0.00	0.00	96.61	0.00	0.00	100.00
FUEL COST (\$ / MMBtu)								
33	COAL + GAS B.L. + OIL B.L.	3.70	3.37	3.01	2.83	(8.92)	(10.68)	(5.98)
34	GAS - Generation	5.12	4.98	3.95	4.05	(2.73)	(20.68)	2.53
35	OTHER - C.T.	0.00	0.00	0.00	16.49	0.00	0.00	100.00
36	TOTAL (\$/MMBtu)	<u>4.28</u>	<u>3.90</u>	<u>3.33</u>	<u>3.26</u>	<u>(8.88)</u>	<u>(14.62)</u>	<u>(2.10)</u>
BTU BURNED (Btu / kWh)								
37	COAL + GAS B.L. + OIL B.L.	10,693	10,654	10,252	11,120	(0.36)	(3.77)	8.47
38	GAS - Generation	6,852	6,873	6,920	6,943	0.31	0.68	0.33
39	OTHER - C.T.	0	0	0	13,991	0.00	0.00	100.00
40	TOTAL (Btu/kWh)	<u>8,658</u>	<u>9,013</u>	<u>8,812</u>	<u>9,172</u>	<u>4.10</u>	<u>(2.23)</u>	<u>4.09</u>
FUEL COST (¢ / kWh)								
41	COAL + GAS B.L. + OIL B.L.	3.96	3.59	3.09	3.15	(9.34)	(13.93)	1.94
42	GAS - Generation	3.51	3.42	2.73	2.81	(2.56)	(20.18)	2.93
43	LANDFILL GAS	3.02	3.06	3.13	3.38	1.32	2.29	7.99
44	OTHER - C.T.	0.00	0.00	0.00	23.08	0.00	0.00	100.00
45	OTHER GENERATION	3.65	3.50	3.09	3.57	(4.11)	(11.71)	15.53
46	TOTAL (¢ / kWh)	<u>3.72</u>	<u>3.52</u>	<u>2.94</u>	<u>3.00</u>	<u>(5.38)</u>	<u>(16.48)</u>	<u>2.04</u>

**Projected Purchased Power Capacity Payments / (Receipts)
Gulf Power Company
For January 2018 - December 2018**

	January	February	March	April	May	June	July	August	September	October	November	December	Total
1 Projected IIC Payments / (Receipts) (\$)	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Other Capacity Payments / (Receipts) (\$)	7,197,693	7,197,693	7,197,693	7,197,693	7,197,693	7,197,693	7,181,809	7,181,809	7,181,809	7,181,809	7,181,809	7,181,809	86,277,012
3 Projected Transmission Revenue	(10,000)	(12,000)	(9,000)	(6,000)	(4,000)	(5,000)	(8,000)	(6,000)	(7,000)	(6,000)	(4,000)	(7,000)	(84,000)
4 Scherer/Flint Credit	(725,699)	(702,292)	(720,649)	(664,312)	(669,247)	(695,593)	(702,757)	(702,825)	(686,754)	(622,405)	(675,274)	(691,091)	(8,258,898)
5 Total Projected Capacity Payments / (Receipts) (Line 1 + 2 + 3+4) (\$)	6,461,994	6,483,401	6,468,044	6,527,381	6,524,446	6,497,100	6,471,052	6,472,984	6,488,055	6,553,404	6,502,535	6,483,718	77,934,114
6 Jurisdictional %	0.9718277	0.9718277	0.9718277	0.9718277	0.9718277	0.9718277	0.9718277	0.9718277	0.9718277	0.9718277	0.9718277	0.9718277	0.9718277
7 Projected Jurisdictional Capacity Payments / (Receipts) (Line 5 x Line 6) (\$)	6,279,945	6,300,749	6,285,824	6,343,490	6,340,637	6,314,062	6,288,748	6,290,625	6,305,272	6,368,780	6,319,344	6,301,056	75,738,532
8 True-Up (\$)													3,152,586
9 Total Jurisdictional Amount to be Recovered (Line 7 + Line 8) (\$)													78,891,118
10 Revenue Tax Multiplier													1.000072
11 Total Recoverable Capacity Payments / (Receipts) (Line 9 x Line 10) (\$)													78,947,920

Calculation of Jurisdictional % *	
12 CP KW	%
FPSC	97.18277%
FERC	2.81723%
Total	100.00000%

Schedule CCE-1A

**PURCHASED POWER CAPACITY COST RECOVERY CLAUSE
CALCULATION OF TRUE-UP
GULF POWER COMPANY
TO BE INCLUDED IN THE PERIOD JANUARY 2018 - DECEMBER 2018**

1. Estimated over/(under)-recovery, January 2017 - December 2017 (Schedule CCE-1B, Line 16 + Line 19)	(3,698,545)
2. Final over/(under)-recovery, January 2016 - December 2016 (Exhibit CSB-1, Schedule CCA-1)	<u>545,959</u>
3. Total over/(under)-recovery (Line 1 + 2) (To be included in January 2018 - December 2018)	<u>(\$3,152,586)</u>
4. Jurisdictional kWh sales, January 2018 - December 2018	<u>10,907,192,000</u>
5. True-up factor (Line 3 / Line 4) x 100 (¢/kWh)	<u><u>0.0289</u></u>

**PURCHASED POWER CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ESTIMATED TRUE-UP AMOUNT
GULF POWER COMPANY
FOR THE PERIOD JANUARY 2017 - DECEMBER 2017**

	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Estimated July	Estimated August	Estimated September	Estimated October	Estimated November	Estimated December	Total
1 IIC Payments/(Receipts) (\$)	(2,274)	(3,069)	(3,069)	(3,069)	(3,069)	(3,069)	0	0	0	0	0	0	(17,619)
2 Other Capacity Payments / (Receipts) (\$)	7,217,678	7,217,678	7,217,678	7,217,678	7,247,274	7,188,082	7,197,693	7,197,693	7,197,693	7,197,693	7,197,693	7,197,693	86,492,227
3 Transmission Revenue (\$)	(16,278)	(11,779)	(17,356)	(17,196)	(17,128)	(22,815)	(8,000)	(6,000)	(7,000)	(6,000)	(4,000)	(7,000)	(140,552)
4 Flint Credit	0	0	0	0	0	0	(683,070)	(688,615)	(699,926)	(562,424)	(616,568)	(626,171)	
5 Total Capacity Payments/(Receipts) (\$)	7,199,126	7,202,830	7,197,253	7,197,413	7,227,077	7,162,198	6,506,623	6,503,078	6,490,767	6,629,269	6,577,125	6,564,522	82,457,282
6 Jurisdictional %	0.9721125	0.9721125	0.9721125	0.9721125	0.9721125	0.9721125	0.9718277	0.9718277	0.9718277	0.9718277	0.9718277	0.9718277	
7 Jurisdictional Capacity Payments/(Receipts) (Line 5 x Line 6) (\$)	6,998,360	7,001,961	6,996,540	6,996,695	7,025,532	6,962,462	6,323,316	6,319,871	6,307,907	6,442,507	6,391,832	6,379,584	80,146,567
8 Retail kWh Sales							1,172,314,000	1,159,478,000	1,009,470,000	832,041,000	734,927,000	819,293,000	
9 Purchased Power Capacity Cost Recovery Factor (¢/kWh)							0.696	0.696	0.696	0.696	0.696	0.696	
10 Capacity Cost Recovery Revenues (Line 8 x Line 9/100) (\$)	6,048,727	4,936,502	5,841,104	6,122,874	7,093,092	7,441,785	8,159,305	8,069,967	7,025,911	5,791,005	5,115,092	5,702,279	77,347,643
11 Revenue Taxes (Line 10 x .00072) (\$)	4,355	3,554	4,206	4,408	5,107	5,358	5,875	5,810	5,059	4,170	3,683	4,106	55,691
12 True-Up Provision (\$)	(68,041)	(68,045)	(68,045)	(68,045)	(68,045)	(68,045)	(68,045)	(68,045)	(68,045)	(68,045)	(68,045)	(68,045)	(816,536)
Capacity Cost Recovery Revenues Net of Revenue Taxes (Line 10 - Line 11 + Line 12) (\$)	5,976,331	4,864,903	5,768,853	6,050,421	7,019,940	7,368,382	8,085,385	7,996,112	6,952,807	5,718,790	5,043,364	5,630,128	76,475,416
14 Over/(Under) Recovery (Line 13 - Line 7) (\$)	(1,022,029)	(2,137,058)	(1,227,687)	(946,274)	(5,592)	405,920	1,762,069	1,676,241	644,900	(723,717)	(1,348,468)	(749,456)	(3,671,151)
15 Interest Provision (\$)	(455)	(1,299)	(2,550)	(3,672)	(4,002)	(4,267)	(3,507)	(1,901)	(797)	(772)	(1,644)	(2,528)	(27,394)
16 Total Estimated True-Up for the Period January 2017 - December 2017 (Line 14 + Line 15) (\$)													(3,698,545)
17 Beginning Balance True-Up & Interest Provision (\$)	(270,577)	(1,225,020)	(3,295,332)	(4,457,524)	(5,339,425)	(5,280,974)	(4,811,276)	(2,984,669)	(1,242,284)	(530,136)	(1,186,580)	(2,468,647)	(270,577)
18 True-Up Collected/(Refunded) (\$)	68,041	68,045	68,045	68,045	68,045	68,045	68,045	68,045	68,045	68,045	68,045	68,045	816,536
19 Adjustment (\$)	0	0	0	0	0	0	0	0	0	0	0	0	0
20 End of Period Total Net True-Up (Lines 14 + 16 + 17 + 18 + 19) (\$)	(1,225,020)	(3,295,332)	(4,457,524)	(5,339,425)	(5,280,974)	(4,811,276)	(2,984,669)	(1,242,284)	(530,136)	(1,186,580)	(2,468,647)	(3,152,586)	(3,152,586)

**Calculation of Purchased Power Capacity Cost Recovery Factors
Gulf Power Company
For January 2018 - December 2018**

Rate Class	A	B	C	D	E	F	G	H	I
	Average 12 CP Load Factor at Meter	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	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%	5,405,053,000	1,072,280	1.00609343	1.00559591	5,435,299,190	1,078,814	49.83290%	57.74834%
GS	63.463164%	309,196,000	55,617	1.00608241	1.00559477	310,925,881	55,955	2.85069%	2.99526%
GSD, GSDT, GSTOU	73.488079%	2,462,912,000	382,585	1.00590017	1.00544671	2,476,326,767	384,842	22.70391%	20.60040%
LP, LPT	82.760718%	894,459,000	123,376	0.98747379	0.99210885	887,400,690	121,831	8.13603%	6.52155%
PX, PXT, RTP, SBS	85.375300%	1,684,946,000	225,294	0.96884429	0.97666479	1,645,627,431	218,275	15.08774%	11.68414%
OS - I / II	416.652542%	101,954,000	2,793	1.00619545	1.00560119	102,525,064	2,811	0.93999%	0.15045%
OS-III	99.799021%	48,672,000	5,567	1.00617773	1.00558881	48,944,019	5,602	0.44874%	0.29986%
TOTAL		<u>10,907,192,000</u>	<u>1,867,513</u>			<u>10,907,049,042</u>	<u>1,868,130</u>	<u>100.000000%</u>	<u>100.000000%</u>

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 2018 - December 2018**

Rate Class	A	B	C	D	E	F	G	H	I
	Percentage of KWH Sales at Generation Page 1, Col I	Percentage of 12 CP KW Demand at Generation Page 1, Col J	Energy- Related Costs (\$)	Demand- Related Costs (\$)	Total Capacity Costs (\$) Col C + Col D	Projected KWH Sales at Meter Page 1, Col B	Capacity Cost Recovery Factors (\$ / KWH) Col E / Col F x 100	Projected KW at Meter Page 1, Col C	Capacity Costs Recovery Factors (\$/KW) Col E / Col F x 100
RS, RSVP, RSTOU	49.83290%	57.74834%	3,026,310	42,084,105	45,110,415	5,405,053,000	0.835		
GS	2.85069%	2.99526%	173,120	2,182,796	2,355,916	309,196,000	0.762		
GSD, GSDT, GSTOU	22.70391%	20.60040%	1,378,790	15,012,542	16,391,332	2,462,912,000	0.666		
LP, LPT	8.13603%	6.52155%	494,094	4,752,580	5,246,674	894,459,000	0.000	1,904,341	2.76
PX, PXT, RTP, SBS	15.08774%	11.68414%	916,266	8,514,817	9,431,083	1,684,946,000	0.560		
OS-I/II	0.93999%	0.15045%	57,085	109,640	166,725	101,954,000	0.164		
OS-III	0.44874%	0.29986%	27,252	218,523	245,775	48,672,000	0.505		
TOTAL	<u>100.00000%</u>	<u>100.00000%</u>	<u>\$6,072,917</u>	<u>\$72,875,003</u>	<u>\$78,947,920</u>	<u>10,907,192,000</u>	<u>0.724</u>	<u>1,904,341</u>	<u>2.76</u>

Notes:

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

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

**Gulf Power Company
2018 Capacity Contracts**

	A	B	C	D	E	F	G	H	I	J	K	L	M			
														Start	Term	End ⁽¹⁾
1 Contract/Counterparty																
2 Southern Intercompany Interchange	5/1/2007	5 Yr Notice		SES Opco												
3 PPA's																
4 Shell Energy N.A. (U.S.), LP	11/2/2009	5/31/2023		Firm												
5 Other																
6 South Carolina PSA	9/1/2003	-		Other												
7 Capacity Costs (\$)																
8 Southern Intercompany Interchange																
9 PPA's																
10 Shell Energy N.A. (U.S.), LP																
11 Other																
12 South Carolina PSA																
14 Total	7,197,693	7,197,693	7,197,693	7,197,693	7,197,693	7,197,693	7,197,693	7,197,693	7,197,693	7,181,809	7,181,809	7,181,809	7,181,809			
15 Capacity MW																
16 Southern Intercompany Interchange																
17 PPA's																
18 Shell Energy N.A. (U.S.), LP																
19 Other																
20 South Carolina PSA																
21 Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

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.

**GULF POWER COMPANY
 PURCHASED POWER CAPACITY COST RECOVERY CLAUSE
 FLINT CREDIT CALCULATION
 FOR THE PERIOD JANUARY 2018 - DECEMBER 2018**

	Projected January	Projected February	Projected March	Projected April	Projected May	Projected June	Projected July	Projected August	Projected September	Projected October	Projected November	Projected December	Total
1. Projected Flint Revenue	1,910,473	1,762,103	1,836,245	1,701,323	1,766,220	1,829,705	1,891,071	1,894,325	1,813,254	1,436,657	1,782,970	1,841,908	21,466,254
2. less: Environmental Flint Expenses													
Flint Costs Allocated to Energy	62,883	62,427	63,087	63,383	67,239	70,573	67,688	67,755	67,833	63,975	67,223	64,213	788,279
Flint Costs Allocated to Demand	336,651	337,699	338,465	339,218	341,844	344,377	345,078	345,810	346,651	347,594	348,564	349,943	4,121,894
Total Environmental Flint Costs	399,534	400,126	401,551	402,601	409,083	414,950	412,765	413,565	414,483	411,570	415,787	414,156	4,910,172
4. less: Flint Fuel Costs	785,240	659,684	714,045	634,410	687,890	719,162	775,549	777,934	712,017	402,682	691,909	736,661	8,297,183
5 Total Flint Revenue Available for Capacity Credit	725,699	702,292	720,649	664,312	669,247	695,593	702,757	702,825	686,754	622,405	675,274	691,091	8,258,898

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

Cents / kWh Fuel Cost

<u>Period Ending</u>	<u>Projected</u>	<u>Actual⁽¹⁾</u>	<u>% Difference</u>
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	3.2352	0.13
December 2017	3.0109 ⁽²⁾		4.12
December 2018	2.9772 ⁽³⁾		

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

(2) Line No. 1 from FPSC Schedule E-1B-1, 2017 Actual / Estimated True-Up

(3) Line No. 1 from FPSC Schedule E-1, 2018 Projection Filing

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

**FUEL AND PURCHASED POWER COST
RECOVERY CLAUSE**

Docket No. 20170001-EI

**PREPARED DIRECT TESTIMONY
AND EXHIBIT OF**

C. L. NICHOLSON

**GENERATING PERFORMANCE INCENTIVE
FACTOR TARGETS FOR**

JANUARY 2018 – DECEMBER 2018

AUGUST 24, 2017



Gulf Power

1 GULF POWER COMPANY

2 Before the Florida Public Service Commission
3 Direct Testimony and Exhibit of
4 C. L. Nicholson
5 Docket No. 20170001-EI
6 Date of Filing: August 24, 2017

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

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

11 Q. Please describe your educational and business background.

12 A. I received my Bachelor of Science degree in Mechanical Engineering from
13 Auburn University in 1998. I joined Southern Company with Alabama
14 Power in 1996 as a summer intern. Upon graduation in 1998, I joined
15 Southern Company Services (SCS), a subsidiary of Southern Company.
16 During my time at SCS, I worked in the Farley Project department as well
17 as Generating Plant Performance (GPP), where I progressed through
18 various engineering positions with increasing responsibilities. My primary
19 responsibility in the Farley Project was to coordinate design changes to
20 Plant Farley. My primary responsibility in GPP was to conduct heat rate
21 tests and performance tests on plant equipment. I joined Southern
22 Nuclear Operating Company (SNC) in 2011. At SNC, my primary
23 responsibility was to coordinate responses to requests from the U. S.
24 Nuclear Regulatory Commission for various projects. I joined SCS in
25 2014 as a Performance and Reliability Engineer, where my primary

1 responsibility was to report key performance indicators on a monthly
2 basis. I joined Gulf Power in 2015 in my current job position as Power
3 Generation Specialist, Senior as previously mentioned in my testimony. In
4 this position, I am responsible for preparing all Generating Performance
5 Incentive Factor (GPIF) filings as well as other generating plant reliability
6 and heat rate performance reporting for Gulf Power Company.
7

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

9 A. The purpose of my testimony is to present GPIF targets for Gulf Power Company
10 for the period of January 1, 2018 through December 31, 2018.
11

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

14 A. Yes. I have prepared one exhibit entitled CLN-2 consisting of three
15 schedules.
16

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

18 A. Yes, it was.

19 Counsel: We ask that Mr. Nicholson's exhibit consisting
20 of three schedules be marked for identification
21 as Exhibit____(CLN-2).
22
23
24
25

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

3 A. We propose that Crist Unit 7, Daniel Units 1 and 2, Smith Unit 3, and
4 Scherer Unit 3 be included as the Company's GPIF units. The projected
5 net generation from these units is approximately 88% of Gulf's projected
6 net generation for 2018.

7

8 Q. For these units, what are the target heat rates Gulf proposes to use in the
9 GPIF for these units for the performance period January 1, 2018 through
10 December 31, 2018?

11 A. I would like to refer you to page 26 of Schedule 1 of my exhibit where these
12 targets are listed.

13

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

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

17

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

19 A. Page 2 of Schedule 1 of my exhibit shows the target average net
20 operating heat rate equations for the proposed GPIF units and pages 4
21 through 23 of Schedule 1 contain the weekly historical data used for the
22 statistical development of these equations. Pages 24 and 25 of Schedule
23 1 present the calculations that provide the unit target heat rates from the
24 target equations.

25

1 Q. Were the maximum and minimum attainable heat rates for each proposed
2 GPIF unit indicated on page 26 of Schedule 1 of your exhibit calculated
3 according to the appropriate GPIF Implementation Manual procedures?

4 A. Yes.

5

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

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

10

11 Q. How were the target equivalent availabilities determined?

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

15

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

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

22

23

24

25

1 Q. Mr. Nicholson, has Gulf completed the GPIF minimum filing requirements
2 data package?

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

5
6 Q. Mr. Nicholson, would you please summarize your testimony?

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

- 8 1. Crist Unit 7, Daniel Units 1 and 2, Smith Unit 3, and Scherer Unit 3 for
9 inclusion under the GPIF for the period of January 1, 2018 through
10 December 31, 2018.
- 11 2. The target, maximum attainable, and minimum attainable average net
12 operating heat rates, as proposed by the Company and as shown on
13 page 26 of Schedule 1 and also on page 5 of Schedule 3 of my exhibit.
- 14 3. The target, maximum attainable, and minimum attainable equivalent
15 availabilities, as proposed by the Company and as shown on page 4 of
16 Schedule 2 and also on page 5 of Schedule 3 of my exhibit.
- 17 4. The weekly average net operating heat rate least squares regression
18 equations, shown on page 2 of Schedule 1 and also on pages 17
19 through 26 of Schedule 3 of my exhibit, for use in adjusting the annual
20 actual unit heat rates to target conditions.

21

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

23 A. Yes.

24

25

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 20170001-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 23rd day of August, 2017.



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 20170001-EI

I. DETERMINATION OF HEAT RATE TARGETS

Target Heat Rate Equations

Scherer 3 ANOHR $10^6 / AKW * [532.42 - 83.71 * MAR + 152.71 * MAY]$
 $+ 9,692$

Crist 7 ANOHR $= 10^6 / AKW * [330.88 - 62.20 * JAN - 68.36 * FEB - 48.28 * MAR - 28.26 * NOV]$
 $+ 9,711 - 0.00043 * LSRF / AKW$

Daniel 1 ANOHR $: 10^6 / AKW * [481.17 + 92.71 * JAN + 85.98 * MAY]$
 $+ 8,753 + 0.00100 * LSRF / AKW$

Daniel 2 ANOHR $: 10^6 / AKW * [606.70 + 74.51 * JAN - 120.51 * FEB + 58.65 * MAY + 44.01 * JUN - 44.62 * SEP - 81.23 * OCT - 185.41 * NOV]$
 $+ 8,600$

Smith 3 ANOHR $= 10^6 / AKW * [144.47 + 12.50 * APR - 81.62 * OCT]$
 $+ 6,675$

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
11140	168	615.27	434428	0	0	0	0	0	0	1	0	0	0	0	0	2014 JUL
10885	165	624.32	442508	0	0	0	0	0	0	1	0	0	0	0	0	2014
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	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

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
10205	168	643.59	474928	0	0	0	0	0	0	1	0	0	0	0	0	2015
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	0	1	0	2015
11352	168	327.78	109800	0	0	0	0	0	0	0	0	0	0	1	0	2015
11032	168	343.42	124242	0	0	0	0	0	0	0	0	0	0	1	0	2015
10505	168	351.90	134131	0	0	0	0	0	0	0	0	0	0	0	1	2015
11719	168	359.02	141144	0	0	0	0	0	0	0	0	0	0	0	1	2015
10430	50	425.34	73757	0	0	0	0	0	0	0	0	0	0	0	1	2015
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	1	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	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
10464	168	622.70	452004	0	0	0	0	0	0	1	0	0	0	0	0	2016 JUL
10463	168	649.67	481799	0	0	0	0	0	0	1	0	0	0	0	0	2016

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
10510	168	688.96	527888	0	0	0	0	0	0	1	0	0	0	0	0	2016
10569	168	645.39	477569	0	0	0	0	0	0	1	0	0	0	0	0	2016
10467	168	594.55	418359	0	0	0	0	0	0	0	1	0	0	0	0	2016
10397	168	630.88	455151	0	0	0	0	0	0	0	1	0	0	0	0	2016
10943	168	611.38	434091	0	0	0	0	0	0	0	1	0	0	0	0	2016
10404	168	589.31	410942	0	0	0	0	0	0	0	1	0	0	0	0	2016
10481	168	596.20	420400	0	0	0	0	0	0	0	1	0	0	0	0	2016
10858	168	499.38	299985	0	0	0	0	0	0	0	0	1	0	0	0	2016
10903	168	564.77	373119	0	0	0	0	0	0	0	0	1	0	0	0	2016
10668	168	605.58	425357	0	0	0	0	0	0	0	0	1	0	0	0	2016
10724	168	553.11	361242	0	0	0	0	0	0	0	0	1	0	0	0	2016
10607	168	481.00	275758	0	0	0	0	0	0	0	0	0	1	0	0	2016
10986	168	439.63	225362	0	0	0	0	0	0	0	0	0	1	0	0	2016
10473	168	550.80	353989	0	0	0	0	0	0	0	0	0	1	0	0	2016
10891	168	432.07	215026	0	0	0	0	0	0	0	0	0	0	1	0	2016
10630	168	520.23	311013	0	0	0	0	0	0	0	0	0	1	0	0	2016
11091	168	374.44	163179	0	0	0	0	0	0	0	0	0	0	1	0	2016
11178	24	372.50	20952	0	0	0	0	0	0	0	0	0	0	1	0	2016
	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2016
10869	99	385.20	104700	0	0	0	0	0	0	0	0	0	0	1	1	2016
10293	168	498.59	289485	0	0	0	0	0	0	0	0	0	0	0	0	2016
10024	168	668.42	496633	0	0	0	0	0	0	0	0	0	0	0	0	2016
10208	168	557.81	353398	0	0	0	0	0	0	0	0	0	0	0	0	2016
11030	168	324.56	108963	0	0	0	0	0	0	0	0	0	0	0	0	2016
10810	168	502.96	294419	1	0	0	0	0	0	0	0	0	0	0	0	2017 JAN
10692	61	633.20	183594	1	0	0	0	0	0	0	0	0	0	0	0	2017
	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2017
12011	61	310.93	47121	1	0	0	0	0	0	0	0	0	0	0	1	2017
11005	168	327.92	112314	0	1	0	0	0	0	0	0	0	0	0	0	2017
10640	168	367.57	148123	0	1	0	0	0	0	0	0	0	0	0	0	2017
10399	135	438.64	200293	0	1	0	0	0	0	0	0	0	0	0	0	2017
	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2017
	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2017
11207	88	369.89	85109	0	0	1	0	0	0	0	0	0	0	0	1	2017
10422	167	575.50	382039	0	0	1	0	0	0	0	0	0	0	0	0	2017
10518	143	500.85	243957	0	0	1	0	0	0	0	0	0	0	0	0	2017
	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2017
	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2017
	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2017
	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2017
	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2017
	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2017
10752	54	598.91	181046	0	0	0	0	1	0	0	0	0	0	0	2	2017
11086	168	458.18	260051	0	0	0	0	1	0	0	0	0	0	0	0	2017
10725	168	546.34	356999	0	0	0	0	1	0	0	0	0	0	0	0	2017
10835	158	473.81	267075	0	0	0	0	0	1	0	0	0	0	0	0	2017
10461	168	591.22	414059	0	0	0	0	0	1	0	0	0	0	0	0	2017
10722	168	497.67	303975	0	0	0	0	0	1	0	0	0	0	0	0	2017
10825	144	483.65	291900	0	0	0	0	0	1	0	0	0	0	0	0	2017

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 MW².

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
10561	168	256.70	66808	0	0	0	0	0	0	1	0	0	0	0	0	2014 JUL
10636	165	275.62	82271	0	0	0	0	0	0	1	0	0	0	0	0	2014
10854	168	248.65	61851	0	0	0	0	0	0	1	0	0	0	0	0	2014
10961	168	255.07	65867	0	0	0	0	0	0	1	0	0	0	0	0	2014
10878	168	249.34	62253	0	0	0	0	0	0	0	1	0	0	0	0	2014
10915	166	253.90	65981	0	0	0	0	0	0	0	1	0	0	0	0	2014
10362	168	249.24	62190	0	0	0	0	0	0	0	1	0	0	0	0	2014
11026	166	247.96	62469	0	0	0	0	0	0	0	1	0	0	0	0	2014
10703	168	255.89	66014	0	0	0	0	0	0	0	1	0	0	0	0	2014
11420	97	256.58	39197	0	0	0	0	0	0	0	0	1	0	0	0	2014
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2014
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2014
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2014
0	0	0.00	0	0	0	0	0	0	0	0	0	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	1	0	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 JUN
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

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
10822	168	345.26	128535	0	0	0	0	0	0	1	0	0	0	0	0	2015
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
10471	168	347.30	135997	0	0	0	0	0	0	1	0	0	0	0	0	2016 JUL
10579	168	323.51	118984	0	0	0	0	0	0	1	0	0	0	0	0	2016

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
10512	168	324.61	119648	0	0	0	0	0	0	1	0	0	0	0	0	2016
10765	168	333.40	126683	0	0	0	0	0	0	1	0	0	0	0	0	2016
10703	168	329.18	122299	0	0	0	0	0	0	0	1	0	0	0	0	2016
10961	168	325.70	119952	0	0	0	0	0	0	0	1	0	0	0	0	2016
11380	117	295.50	71273	0	0	0	0	0	0	0	1	0	0	0	0	2016
* 8216	147	320.86	103532	0	0	0	0	0	0	0	1	0	0	0	1	2016
10015	168	328.77	121809	0	0	0	0	0	0	0	1	0	0	0	0	2016
10269	168	271.63	82270	0	0	0	0	0	0	0	0	1	0	0	0	2016
10981	168	315.61	111387	0	0	0	0	0	0	0	0	1	0	0	0	2016
10890	168	319.58	114900	0	0	0	0	0	0	0	0	1	0	0	0	2016
10818	168	333.62	125227	0	0	0	0	0	0	0	0	1	0	0	0	2016
10585	168	292.44	95407	0	0	0	0	0	0	0	0	0	1	0	0	2016
10927	96	292.41	52056	0	0	0	0	0	0	0	0	0	1	0	0	2016
10715	152	329.32	124293	0	0	0	0	0	0	0	0	0	1	0	1	2016
10993	168	276.01	83774	0	0	0	0	0	0	0	0	0	1	0	0	2016
10640	26	298.27	17035	0	0	0	0	0	0	0	0	0	1	0	0	2016
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2016
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2016
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2016
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2016
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2016
*21012	9	72.44	1001	0	0	0	0	0	0	0	0	0	0	0	1	2016
11101	117	247.28	49809	0	0	0	0	0	0	0	0	0	0	0	2	2016
11161	168	263.46	70885	0	0	0	0	0	0	0	0	0	0	0	0	2016
10593	168	348.84	130020	1	0	0	0	0	0	0	0	0	0	0	0	2017 JAN
10381	168	320.61	114972	1	0	0	0	0	0	0	0	0	0	0	0	2017
10543	168	287.96	91765	1	0	0	0	0	0	0	0	0	0	0	0	2017
10798	131	241.39	53791	1	0	0	0	0	0	0	0	0	0	0	1	2017
10741	168	251.79	66146	0	1	0	0	0	0	0	0	0	0	0	0	2017
10770	168	251.11	66653	0	1	0	0	0	0	0	0	0	0	0	0	2017
10869	168	236.88	59526	0	1	0	0	0	0	0	0	0	0	0	0	2017
10713	71	251.96	29434	0	1	0	0	0	0	0	0	0	0	0	0	2017
11050	127	240.87	49970	0	0	1	0	0	0	0	0	0	0	0	1	2017
10493	168	277.47	84728	0	0	1	0	0	0	0	0	0	0	0	0	2017
10076	167	350.53	134495	0	0	1	0	0	0	0	0	0	0	0	0	2017
10304	168	311.79	107130	0	0	1	0	0	0	0	0	0	0	0	0	2017
10271	168	308.10	106746	0	0	1	0	0	0	0	0	0	0	0	0	2017
10257	168	284.86	90636	0	0	0	1	0	0	0	0	0	0	0	0	2017
10265	168	333.67	123795	0	0	0	1	0	0	0	0	0	0	0	0	2017
9746	168	429.11	186150	0	0	0	1	0	0	0	0	0	0	0	0	2017
10406	59	334.17	45730	0	0	0	1	0	0	0	0	0	0	0	0	2017
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2017
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2017
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2017
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2017
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2017
11507	29	232.83	11701	0	0	0	0	0	1	0	0	0	0	0	1	2017
10605	168	323.51	113774	0	0	0	0	0	1	0	0	0	0	0	0	2017
10706	49	323.06	37514	0	0	0	0	0	1	0	0	0	0	0	0	2017
10374	92	290.28	75113	0	0	0	0	0	1	0	0	0	0	0	2	2017

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 MW².

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		
10563	168	318.29	116122	0	0	0	0	0	0	1	0	0	0	0	0	2014		
10700	136	323.44	103470	0	0	0	0	0	0	1	0	0	0	0	1	2014		
10961	168	246.95	70000	0	0	0	0	0	0	1	0	0	0	0	0	2014		
10714	168	306.08	105461	0	0	0	0	0	0	1	0	0	0	0	0	2014		
10443	168	275.49	84998	0	0	0	0	0	0	0	1	0	0	0	0	2014		
10573	168	292.71	96302	0	0	0	0	0	0	0	1	0	0	0	0	2014		
10520	168	264.27	77270	0	0	0	0	0	0	0	1	0	0	0	0	2014		
10581	168	280.46	86451	0	0	0	0	0	0	0	1	0	0	0	0	2014		
10769	168	267.57	78704	0	0	0	0	0	0	0	1	0	0	0	0	2014		
10668	168	318.95	113814	0	0	0	0	0	0	0	0	1	0	0	0	2014		
10309	168	338.33	131388	0	0	0	0	0	0	0	0	1	0	0	0	2014		
10398	168	291.12	93572	0	0	0	0	0	0	0	0	1	0	0	0	2014		
10657	168	259.99	74327	0	0	0	0	0	0	0	0	1	0	0	0	2014		
11477	168	285.53	88874	0	0	0	0	0	0	0	0	0	1	0	0	2014		
10843	98	251.01	41025	0	0	0	0	0	0	0	0	0	1	0	0	2014		
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2014		
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2014		
* 9853	116	206.66	35758	0	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	0	2014	
10712	168	255.86	70339	0	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	0	1	0	2014	
0	0	0.00	0	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	0	2014	
0	0	0.00	0	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	0	2014	
0	0	0.00	0	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	0	2015	
0	0	0.00	0	1	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	0	2015	
0	0	0.00	0	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	0	2015	
0	0	0.00	0	0	1	0	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	0	2015	
0	0	0.00	0	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	0	2015	
0	0	0.00	0	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	0	2015	
* 3896	21	228.05	14239	0	0	0	1	0	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	0	2015	
*12665	123	230.80	45761	0	0	0	1	0	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	0	1	2015	
11859	168	291.73	94797	0	0	0	0	1	0	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	0	2015	
10416	168	332.51	120951	0	0	0	0	1	0	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	0	2015	
11434	168	227.94	56847	0	0	0	0	1	0	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	0	2015	
10084	164	287.55	94195	0	0	0	0	0	1	0	0	0	0	0	0	0	2015	
* 9371	116	309.97	80047	0	0	0	0	0	1	0	0	0	0	0	0	1	2015	
*12577	144	274.44	86810	0	0	0	0	0	1	0	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	0	2015	JUL

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
11868	168	235.20	74390	0	0	0	0	0	0	1	0	0	0	0	0	2016
11828	168	252.13	81555	0	0	0	0	0	0	1	0	0	0	0	0	2016
11988	168	193.86	46292	0	0	0	0	0	0	0	1	0	0	0	0	2016
11725	168	197.71	49002	0	0	0	0	0	0	0	1	0	0	0	0	2016
12544	168	184.10	39730	0	0	0	0	0	0	0	1	0	0	0	0	2016
11862	168	187.92	42721	0	0	0	0	0	0	0	1	0	0	0	0	2016
11050	168	221.76	63070	0	0	0	0	0	0	0	1	0	0	0	0	2016
12552	167	140.69	20218	0	0	0	0	0	0	0	0	1	0	0	0	2016
11535	139	170.55	28662	0	0	0	0	0	0	0	0	1	0	0	0	2016
11100	87	303.95	68414	0	0	0	0	0	0	0	0	1	0	0	1	2016
11740	168	203.36	54407	0	0	0	0	0	0	0	0	1	0	0	0	2016
11009	168	199.39	52731	0	0	0	0	0	0	0	0	0	1	0	0	2016
10979	47	202.53	14558	0	0	0	0	0	0	0	0	0	1	0	0	2016
* 9539	87	206.17	28581	0	0	0	0	0	0	0	0	0	1	0	1	2016
*10338	22	164.95	4234	0	0	0	0	0	0	0	0	0	1	0	0	2016
10635	96	257.39	49683	0	0	0	0	0	0	0	0	0	1	0	1	2016
11451	168	194.70	51799	0	0	0	0	0	0	0	0	0	0	1	0	2016
12148	168	145.23	22445	0	0	0	0	0	0	0	0	0	0	1	0	2016
11752	168	149.13	24946	0	0	0	0	0	0	0	0	0	0	1	0	2016
11537	168	160.46	30721	0	0	0	0	0	0	0	0	0	0	1	0	2016
12354	168	143.68	21303	0	0	0	0	0	0	0	0	0	0	0	0	2016
11937	92	170.41	18056	0	0	0	0	0	0	0	0	0	0	0	1	2016
12661	168	154.15	26947	0	0	0	0	0	0	0	0	0	0	0	0	2016
12360	168	141.19	20107	0	0	0	0	0	0	0	0	0	0	0	0	2016
11160	168	367.01	154806	1	0	0	0	0	0	0	0	0	0	0	0	2017 JAN
11062	168	367.61	146031	1	0	0	0	0	0	0	0	0	0	0	0	2017
10468	168	397.02	160489	1	0	0	0	0	0	0	0	0	0	0	0	2017
11538	168	263.78	73013	1	0	0	0	0	0	0	0	0	0	0	0	2017
10899	48	298.48	27018	0	1	0	0	0	0	0	0	0	0	0	0	2017
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2017
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2017
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2017
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2017
*13506	77	164.48	15861	0	0	1	0	0	0	0	0	0	0	0	0	2017
12837	162	152.48	24431	0	0	1	0	0	0	0	0	0	0	0	0	2017
12832	168	136.79	18729	0	0	1	0	0	0	0	0	0	0	0	0	2017
12334	168	150.46	24577	0	0	1	0	0	0	0	0	0	0	0	0	2017
12150	168	154.29	26763	0	0	0	1	0	0	0	0	0	0	0	0	2017
11964	168	158.79	28947	0	0	0	1	0	0	0	0	0	0	0	0	2017
*13052	168	172.48	36308	0	0	0	1	0	0	0	0	0	0	0	0	2017
*10067	168	205.71	55701	0	0	0	1	0	0	0	0	0	0	0	0	2017
12252	24	136.17	2657	0	0	0	0	1	0	0	0	0	0	0	0	2017
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2017
10653	154	284.44	92805	0	0	0	0	1	0	0	0	0	0	0	1	2017
11081	168	323.01	129162	0	0	0	0	1	0	0	0	0	0	0	0	2017
12748	168	143.83	21859	0	0	0	0	1	0	0	0	0	0	0	0	2017
12034	168	157.98	30523	0	0	0	0	0	1	0	0	0	0	0	0	2017
11778	164	138.94	19839	0	0	0	0	0	1	0	0	0	0	0	0	2017
12779	168	152.42	26296	0	0	0	0	0	1	0	0	0	0	0	0	2017
12068	144	152.44	28764	0	0	0	0	0	1	0	0	0	0	0	0	2017

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 MW².

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
10603	165	317.47	120332	0	0	0	0	0	0	1	0	0	0	0	0	2015
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	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
*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
11403	168	242.36	77372	0	0	0	0	0	0	1	0	0	0	0	0	2016 JUL
11409	163	271.05	97614	0	0	0	0	0	0	1	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 MW².

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	
6960	168	420.15	194871	0	0	0	0	0	0	1	0	0	0	0	0	2014	JUL
6958	168	465.01	227581	0	0	0	0	0	0	1	0	0	0	0	0	2014	
6944	168	409.55	180885	0	0	0	0	0	0	1	0	0	0	0	0	2014	
6896	168	482.99	238117	0	0	0	0	0	0	1	0	0	0	0	0	2014	
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

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
6986	168	485.68	241335	0	0	0	0	0	0	1	0	0	0	0	0	2015
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	1	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
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
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
7281	168	477.57	233355	0	0	0	0	0	0	1	0	0	0	0	0	2016
7337	168	482.67	238080	0	0	0	0	0	0	1	0	0	0	0	0	2016

DEC

JAN

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
7243	168	480.15	235872	0	0	0	0	0	0	1	0	0	0	0	0	2016
7104	168	491.04	245364	0	0	0	0	0	0	1	0	0	0	0	0	2016
7126	168	482.27	236875	0	0	0	0	0	0	0	1	0	0	0	0	2016
7224	168	493.19	246969	0	0	0	0	0	0	0	1	0	0	0	0	2016
7173	168	486.73	239691	0	0	0	0	0	0	0	1	0	0	0	0	2016
7143	168	477.67	232997	0	0	0	0	0	0	0	1	0	0	0	0	2016
7157	168	402.43	178526	0	0	0	0	0	0	0	1	0	0	0	0	2016
7337	162	456.25	218248	0	0	0	0	0	0	0	0	1	0	0	0	2016
7351	143	478.22	200584	0	0	0	0	0	0	0	0	1	0	0	0	2016
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2016
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2016
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2016
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2016
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2016
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2016
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2016
7263	117	413.13	163041	0	0	0	0	0	0	0	0	0	0	1	1	2016
6923	168	570.43	328652	0	0	0	0	0	0	0	0	0	0	1	0	2016
6918	168	538.77	296105	0	0	0	0	0	0	0	0	0	0	1	0	2016
7353	112	446.53	164893	0	0	0	0	0	0	0	0	0	0	1	1	2016
6916	168	516.12	272191	0	0	0	0	0	0	0	0	0	0	0	0	2016
6934	168	494.47	256605	0	0	0	0	0	0	0	0	0	0	0	0	2016
7054	168	518.71	280205	0	0	0	0	0	0	0	0	0	0	0	0	2016
6983	168	425.23	185778	0	0	0	0	0	0	0	0	0	0	0	0	2016
6977	168	507.30	265571	1	0	0	0	0	0	0	0	0	0	0	0	2017
6976	168	510.79	270023	1	0	0	0	0	0	0	0	0	0	0	0	2017
7097	168	463.55	222166	1	0	0	0	0	0	0	0	0	0	0	0	2017
7139	168	433.92	195223	1	0	0	0	0	0	0	0	0	0	0	0	2017
6795	168	481.38	239890	0	1	0	0	0	0	0	0	0	0	0	0	2017
6936	168	522.33	277466	0	1	0	0	0	0	0	0	0	0	0	0	2017
7022	168	488.73	245354	0	1	0	0	0	0	0	0	0	0	0	0	2017
6849	168	484.58	240357	0	1	0	0	0	0	0	0	0	0	0	0	2017
6959	168	539.85	294577	0	0	1	0	0	0	0	0	0	0	0	0	2017
6997	142	518.54	234823	0	0	1	0	0	0	0	0	0	0	0	0	2017
7003	147	550.03	276337	0	0	1	0	0	0	0	0	0	0	0	1	2017
6885	168	512.31	268050	0	0	1	0	0	0	0	0	0	0	0	0	2017
6852	168	492.54	250287	0	0	1	0	0	0	0	0	0	0	0	0	2017
7001	168	494.70	251649	0	0	0	1	0	0	0	0	0	0	0	0	2017
7065	168	470.69	235044	0	0	0	1	0	0	0	0	0	0	0	0	2017
7201	73	444.75	95800	0	0	0	1	0	0	0	0	0	0	0	0	2017
*34460	9	33.11	193	0	0	0	1	0	0	0	0	0	0	0	1	2017
7037	168	451.72	218624	0	0	0	0	1	0	0	0	0	0	0	0	2017
7004	168	530.70	287312	0	0	0	0	1	0	0	0	0	0	0	0	2017
7021	168	517.13	272276	0	0	0	0	1	0	0	0	0	0	0	0	2017
6924	168	440.05	205067	0	0	0	0	1	0	0	0	0	0	0	0	2017
6798	168	490.24	246730	0	0	0	0	1	0	0	0	0	0	0	0	2017
6890	168	482.38	243505	0	0	0	0	0	1	0	0	0	0	0	0	2017
6914	168	493.60	254407	0	0	0	0	0	1	0	0	0	0	0	0	2017
6802	168	503.36	258691	0	0	0	0	0	1	0	0	0	0	0	0	2017
6752	144	486.81	243441	0	0	0	0	0	1	0	0	0	0	0	0	2017

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 MW².

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 2018 - December 2018

Unit	Month	(1)	(2)	(3)	(4)	(5)
		Forecast AKW * 10 ³	Forecast LSRF * 10 ⁶	Forecast Monthly ANOHR	Forecast AKWH * 10 ³ Generation	Weighted ANOHR Target
SCHERER 3	Jan '18	698.5	504,560	10,455	511,997	
	Feb '18	694.8	499,679	10,459	430,805	
	Mar '18	678.9	478,969	10,353	471,855	
	Apr '18	641.0	431,324	10,523	412,826	
	May '18	639.3	429,244	10,764	437,949	
	Jun '18	662.8	458,433	10,496	469,895	
	Jul '18	693.9	498,496	10,460	508,620	
	Aug '18	699.5	505,883	10,454	510,615	
	Sep '18	675.3	474,339	10,481	465,967	
	Oct '18	667.1	463,875	10,491	262,837	
	Nov '18	639.6	429,611	10,525	450,267	
	Dec '18	655.6	449,391	10,505	480,520	10,495
CRIST 7	Jan '18	339.3	121,517	10,351	92,956	
	Feb '18	250.8	58,444	10,659	16,303	
	Mar '18	0.0	0	-	0	
	Apr '18	0.0	0	-	0	
	May '18	324.1	109,114	10,589	202,915	
	Jun '18	359.7	139,187	10,466	191,362	
	Jul '18	375.5	153,679	10,418	275,245	
	Aug '18	373.2	151,526	10,425	273,534	
	Sep '18	354.1	134,220	10,484	202,916	
	Oct '18	297.0	88,616	10,698	157,704	
	Nov '18	303.3	93,196	10,578	156,518	
	Dec '18	328.7	112,799	10,572	94,663	10,503

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

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

Calculation of
 Target Average Net Operating Heat Rates
 for January 2018 - December 2018

Unit	Month	(1)	(2)	(3)	(4)	(5)
		Forecast AKW * 10 ³	Forecast LSRF * 10 ⁶	Forecast Monthly ANOHR	Forecast AKWH * 10 ³ Generation	Weighted ANOHR Target
DANIEL 1	Jan '18	145.9	21,394	12,833	75,845	
	Feb '18	141.5	20,042	12,295	51,646	
	Mar '18	0.0	0	-	0	
	Apr '18	0.0	0	-	0	
	May '18	140.0	19,591	12,944	6,718	
	Jun '18	143.8	20,743	12,243	28,909	
	Jul '18	148.6	22,245	12,140	77,730	
	Aug '18	172.8	30,618	11,714	125,287	
	Sep '18	145.5	21,269	12,206	101,251	
	Oct '18	146.7	21,644	12,180	103,122	
	Nov '18	143.6	20,682	12,248	79,385	
	Dec '18	141.7	20,102	12,290	81,631	12,205
DANIEL 2	Jan '18	151.4	23,260	13,100	72,536	
	Feb '18	142.7	20,657	12,007	69,205	
	Mar '18	147.2	21,984	12,722	78,760	
	Apr '18	140.2	19,938	12,928	91,986	
	May '18	143.9	21,007	13,224	100,730	
	Jun '18	153.4	23,880	12,842	98,809	
	Jul '18	167.8	28,586	12,216	117,272	
	Aug '18	199.0	40,234	11,649	117,013	
	Sep '18	0.0	0	-	0	
	Oct '18	150.3	22,922	12,096	101,034	
	Nov '18	147.1	21,954	11,464	102,950	
	Dec '18	143.7	20,949	12,822	102,745	12,429
SMITH 3	Jan '18	556.5	303,302	6,935	338,908	
	Feb '18	556.3	303,094	6,935	320,440	
	Mar '18	539.8	286,224	6,943	331,451	
	Apr '18	552.1	298,754	6,959	366,626	
	May '18	542.8	289,255	6,941	232,335	
	Jun '18	527.7	274,158	6,949	357,756	
	Jul '18	539.3	285,720	6,943	381,829	
	Aug '18	532.9	279,312	6,946	375,179	
	Sep '18	532.7	279,112	6,946	350,543	
	Oct '18	550.2	296,801	6,789	260,250	
	Nov '18	552.8	299,475	6,936	308,991	
	Dec '18	569.9	317,362	6,928	407,501	6,932

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

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

Summary of Target, Maximum, and Minimum
Average Net Operating Heat Rates
for January 2018 - December 2018

Unit	Target Heat Rate BTU/KWH (0 Points)	Minimum Attainable Heat Rate (+ 10 Points)	Maximum Attainable Heat Rate (- 10 Points)
SCHERER 3	10,495	10,180	10,810
CRIST 7	10,503	10,188	10,818
DANIEL 1	12,205	11,839	12,571
DANIEL 2	12,429	12,056	12,802
SMITH 3	6,932	6,724	7,140

II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
 Target Equivalent Availabilities
 for January 2018 - December 2018

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR *	Planned Outage Hours for Jan '18 - Dec '18	Reserve Shutdown Hours for Jan '18 - Dec '18	Target Equivalent Availability **
Scherer 3	0.0288	0	441	97.2
Crist 7	0.0627	1,223	2,322	82.1
Daniel 1	0.0614	1,127	2,293	82.2
Daniel 2	0.0774	216	1,070	90.7
Smith 3	0.0219	432	777	93.2

* For Period July 2012 through June 2017.

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

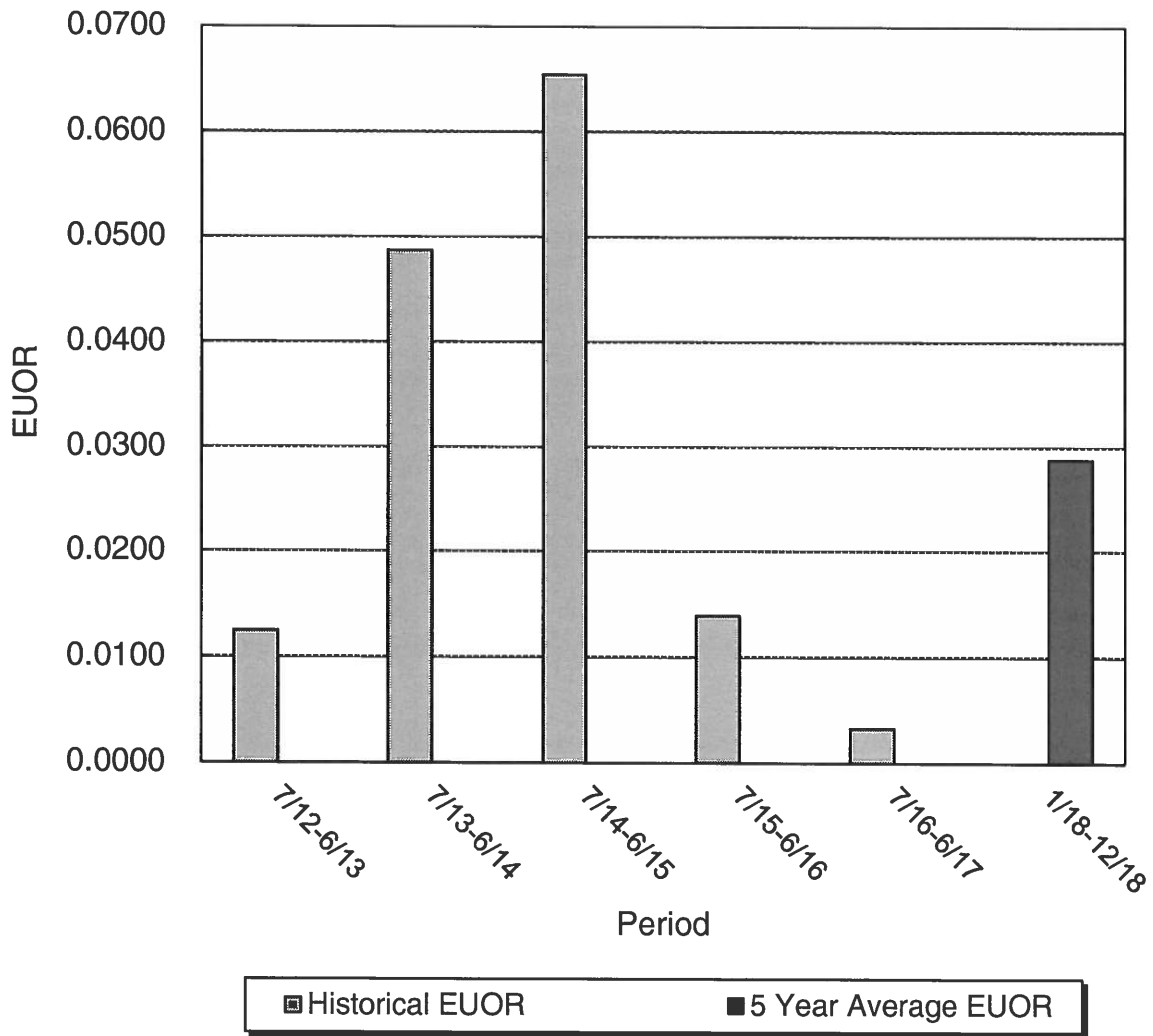
Calculation of Maximum and Minimum
 Attainable Equivalent Availabilities
 for January 2018 - December 2018

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	0.0288	0.0202	98.1	0.0418	96.0
Crist 7	0.0627	0.0439	83.4	0.0909	80.6
Daniel 1	0.0614	0.0430	84.5	0.0890	81.7
Daniel 2	0.0774	0.0542	92.9	0.1122	88.0
Smith 3	0.0219	0.0153	93.7	0.0318	92.3

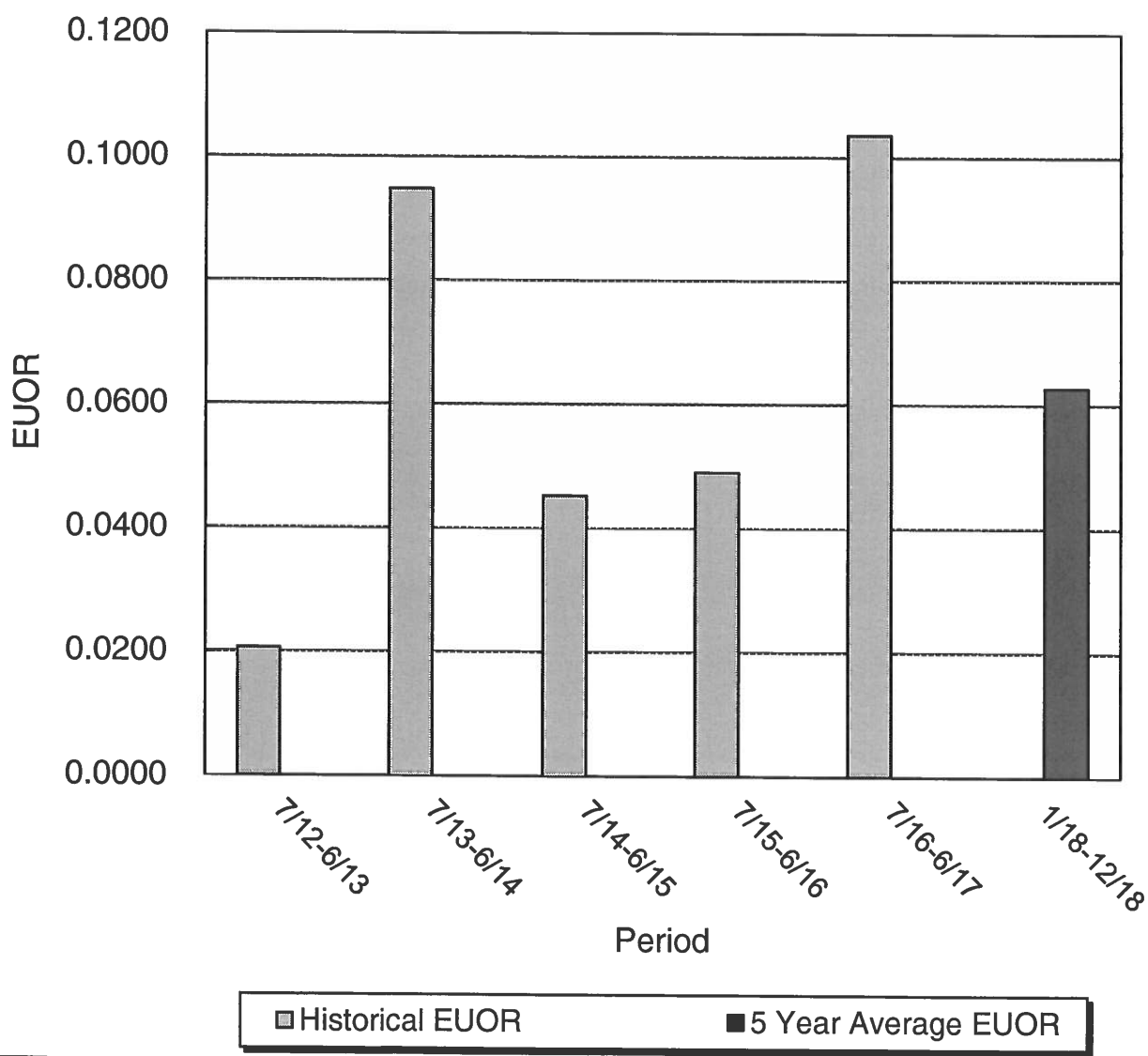
Summary of Target, Maximum, and Minimum
Equivalent Availabilities
for January 2018 - December 2018

Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Scherer 3	97.2	98.1	96.0
Crist 7	82.1	83.4	80.6
Daniel 1	82.2	84.5	81.7
Daniel 2	90.7	92.9	88.0
Smith 3	93.2	93.7	92.3

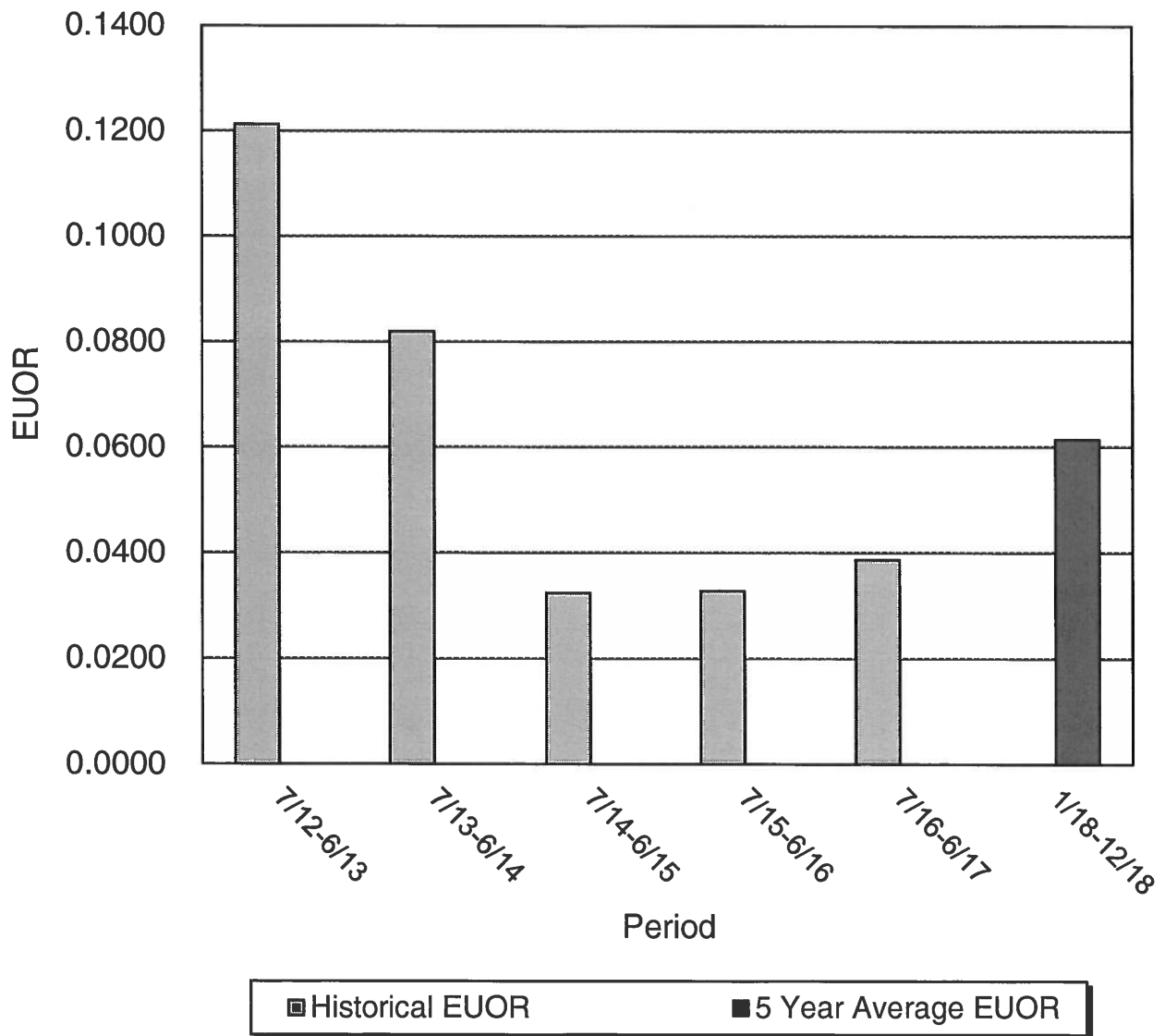
EUOR VS. PERIOD SCHERER 3 January-December



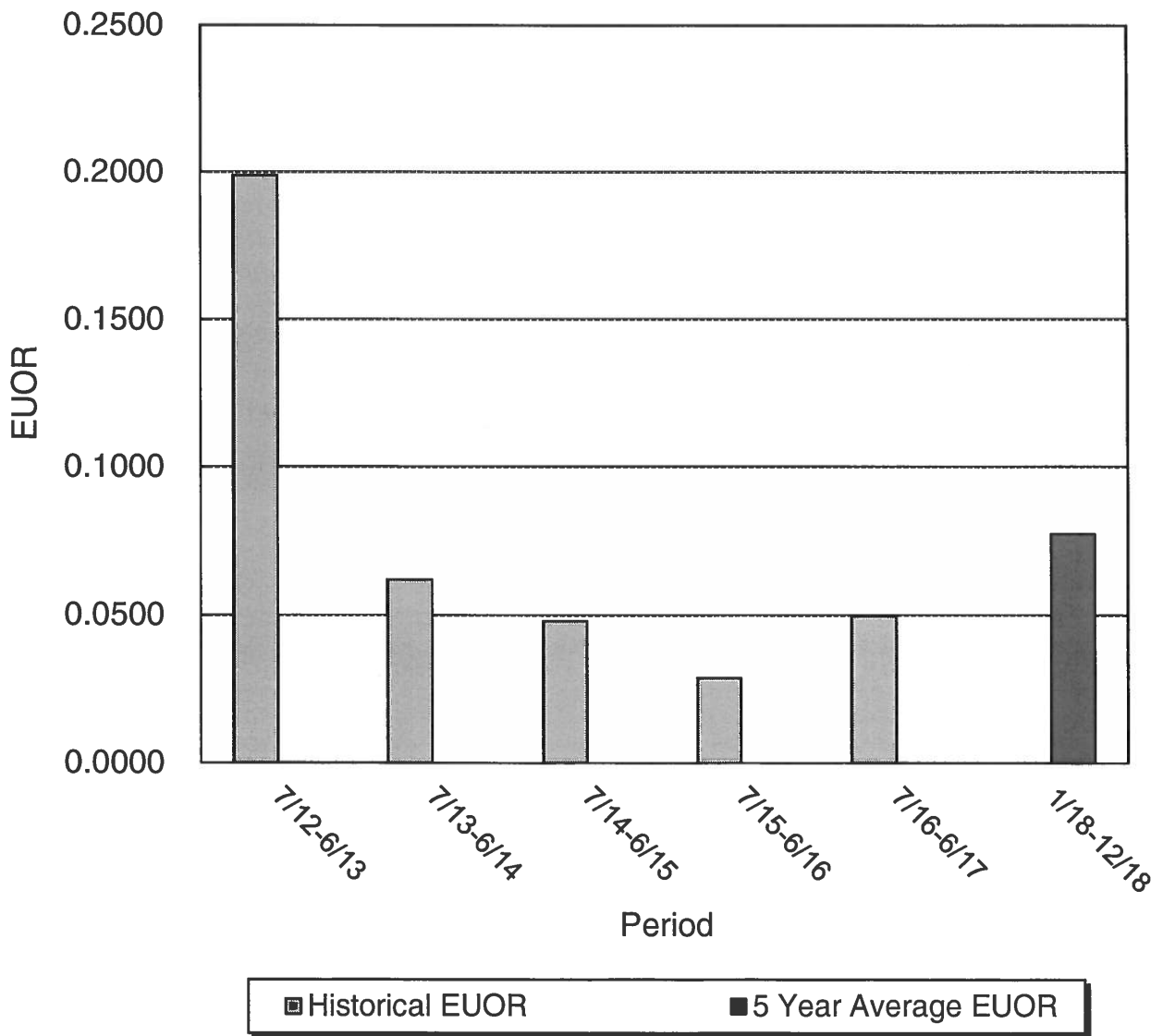
EUOR VS. PERIOD CRIST 7 January-December



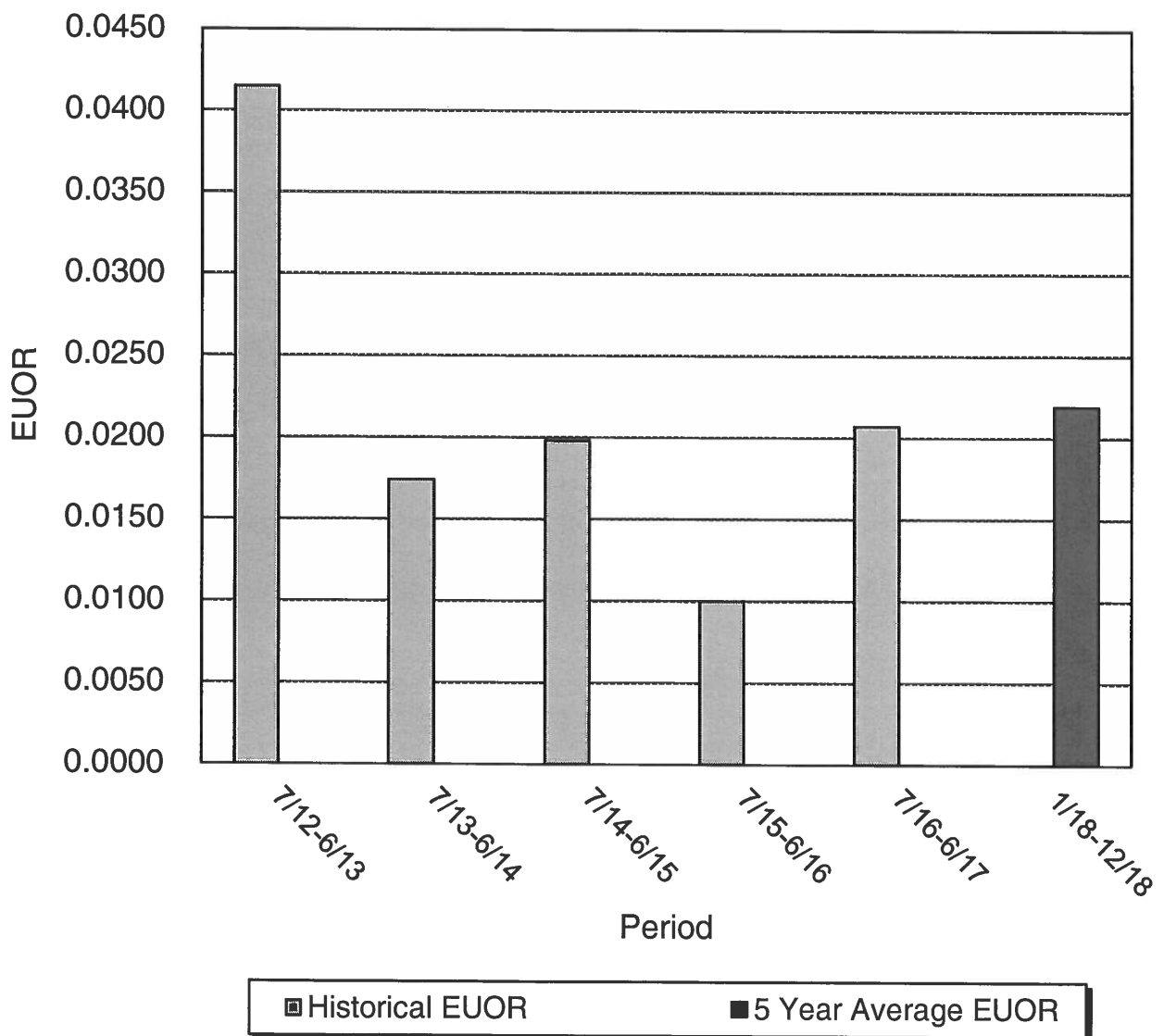
EUOR VS. PERIOD DANIEL 1 January-December



EUOR VS. PERIOD DANIEL 2 January-December



EUOR VS. PERIOD Smith 3 January-December



III. GPIF MINIMUM FILING REQUIREMENTS FOR THE
PERIOD JANUARY 2018 - DECEMBER 2018

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GPIF Calculation of Maximum Allowed Incentive Dollars	4
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Generating Performance Incentive Factor

Estimated Reward/Penalty Table

Gulf Power Company

Period of: January 2018 - December 2018

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	5995	2998
+ 9	5396	2698
+ 8	4796	2398
+ 7	4197	2098
+ 6	3597	1799
+ 5	2998	1499
+ 4	2398	1199
+ 3	1799	899
+ 2	1199	600
+ 1	600	300
0	0	0
- 1	-593	-300
- 2	-1187	-600
- 3	-1780	-899
- 4	-2373	-1199
- 5	-2967	-1499
- 6	-3560	-1799
- 7	-4153	-2098
- 8	-4746	-2398
- 9	-5340	-2698
- 10	-5933	-2998
	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 2018 - December 2018

Line 1	Beginning of Period Balance of Common Equity	\$1,569,708,352
	End of Month Balance of Common Equity:	
Line 2	Month of Jan '18	\$1,549,439,751
Line 3	Month of Feb '18	\$1,559,514,026
Line 4	Month of Mar '18	\$1,568,342,919
Line 5	Month of Apr '18	\$1,540,624,076
Line 6	Month of May '18	\$1,555,878,718
Line 7	Month of Jun '18	\$1,578,832,100
Line 8	Month of Jul '18	\$1,566,384,962
Line 9	Month of Aug '18	\$1,588,125,325
Line 10	Month of Sep '18	\$1,609,426,895
Line 11	Month of Oct '18	\$1,585,886,907
Line 12	Month of Nov '18	\$1,593,617,557
Line 13	Month of Dec '18	\$1,584,980,875
Line 14	Average Common Equity for the Period (sum of line 1 through line 13 divided by 13)	\$1,573,135,574
Line 15	25 Basis Points	0.0025
Line 16	Revenue Expansion Factor	61.2273%
Line 17	Maximum Allowed Incentive Dollars (line 14 multiplied by line 15 divided by line 16 multiplied by 1.0)	\$6,423,342
Line 18	Jurisdictional Sales (KWH)	10,907,192,429
Line 19	Total Territorial Sales (KWH)	11,236,705,660
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)	97.0675%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 multiplied by line 20)	\$6,234,979
Line 22	Incentive Cap (50% of Projected Fuel Savings at 10 GPIF point level from sheet 6.391.7)	\$2,997,500
Line 23	Maximum Allowed GPIF Reward (at 10 GPIF Pt. level (The lesser of Line 21 and Line 22)	\$2,997,500

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GPIF Unit Performance Summary

Gulf Power Company

Period of: January 2018 - December 2018

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range		Max Fuel Savings (\$000)	Max Fuel Loss (\$000)
			Max %	Min %		
Scherer 3	0.2%	97.2	98.1	96.0	\$12	(\$10)
Crist 7	0.1%	82.1	83.4	80.6	\$3	(\$15)
Daniel 1	0.0%	82.2	84.5	81.7	\$0	\$0
Daniel 2	0.0%	90.7	92.9	88.0	\$1	(\$1)
Smith 3	1.4%	93.2	93.7	92.3	\$83	(\$11)

Plant & Unit	Weighting Factor %	ANOHR Target BTU/KWH	Target NOF	ANOHR Range		Max Fuel Savings (\$000)	Max Fuel Loss (\$000)
				Min BTU/KWH	Max BTU/KWH		
Scherer 3	34.8%	10,495	77.6	10,180	10,810	\$2,089	(\$2,089)
Crist 7	8.3%	10,503	71.9	10,188	10,818	\$500	(\$500)
Daniel 1	1.1%	12,205	29.7	11,839	12,571	\$65	(\$65)
Daniel 2	2.5%	12,429	30.5	12,056	12,802	\$147	(\$147)
Smith 3	51.6%	6,932	91.0	6,724	7,140	\$3,095	(\$3,095)

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2018 - December 2018

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target			Actual Performance 1st Prior Period Jul '016 - Jun '017			Actual Performance 2nd Prior Period Jul '015 - Jun '016		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Scherer 3	0.2%	12.1%	0.0000	0.0284	0.0288	0.0000	0.0120	0.0139	0.1589	0.0550	0.0654
Crist 7	0.1%	3.0%	0.1396	0.0393	0.0627	0.1133	0.0322	0.0490	0.1938	0.0363	0.0453
Daniel 1	0.0%	0.0%	0.1287	0.0491	0.0614	0.0124	0.0135	0.0328	0.2231	0.0185	0.0324
Daniel 2	0.0%	1.0%	0.0247	0.0686	0.0774	0.0102	0.0153	0.0287	0.0495	0.0335	0.0480
Smith 3	1.4%	83.8%	0.0493	0.0188	0.0219	0.0583	0.0090	0.0100	0.0614	0.0182	0.0198
Weighted GPIF System Average:			0.0458	0.0211	0.0245	0.0524	0.0101	0.0118	0.0771	0.0234	0.0264

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2018 - December 2018

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Jul '014 - Jun '015			Actual Performance 4th Prior Period Jul '013 - Jun '014			Actual Performance 5th Prior Period Jul '012 - Jun '013		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Scherer 3	0.2%	12.1%	0.0000	0.0484	0.0487	0.1541	0.0102	0.0125	0.0000	0.0541	0.0564
Crist 7	0.1%	3.0%	0.0000	0.0927	0.0948	0.2632	0.0133	0.0206	0.0000	0.0470	0.0509
Daniel 1	0.0%	0.0%	0.0482	0.0519	0.0820	0.0000	0.0553	0.1213	0.1378	0.0872	0.2362
Daniel 2	0.0%	1.0%	0.2175	0.0338	0.0620	0.1514	0.0681	0.1988	0.2123	0.0201	0.0384
Smith 3	1.4%	83.8%	0.0447	0.0165	0.0174	0.0654	0.0386	0.0415	0.0390	0.0113	0.0118
Weighted GPIF System Average:			0.0397	0.0229	0.0240	0.0830	0.0347	0.0389	0.0348	0.0177	0.0187

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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 2018 - December 2018

Plant & Unit	Target	Normalized	Heat Rate Target	1st Prior Period	2nd Prior Period	3rd Prior Period
	Weighting Factor	Weighting Factor		Heat Rate	Heat Rate	Heat Rate
				Jul '016 - Jun '017	Jul '015 - Jun '016	Jul '014 - Jun '015
Scherer 3	34.8%	35.4%	10,495	10,409	10,482	10,609
Crist 7	8.3%	8.5%	10,503	10,483	10,590	10,445
Daniel 1	1.1%	1.1%	12,205	12,246	11,831	12,006
Daniel 2	2.5%	2.5%	12,429	12,621	12,423	12,430
Smith 3	51.6%	52.5%	6,932	7,006	6,943	6,853
Weighted GPIF System Average:			8,692	8,704	8,697	8,684

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Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 7 Jul '015 - Jun '016

	Jul Jan	Aug Feb	Sep Mar	Oct Apr	Nov May	Dec Jun
1. Target Heat Rate*	10418.0 10351.0	10425.0 10659.0	10484.0 -	10698.0 -	10578.0 10589.0	10572.0 10466.0
2. Target Heat Rate at Actual Conditions**	10563.0 10559.0	10653.0 10645.0	10825.0 11743.0	10937.0 10898.0	10875.0 10944.0	0.0 10696.0
3. Adjustments to Actual Heat Rate (1-2)	-145.0 -208.0	-228.0 14.0	-341.0 0.0	-239.0 0.0	-297.0 -355.0	10572.0 -230.0
4. Actual Heat Rate for Prior Period	10797.0 10863.0	10656.0 10733.0	10598.0 12814.0	10936.0 11130.0	10877.0 11246.0	0.0 10876.0
5. Adjusted actual Heat Rate (4+3)	10652.0 10655.0	10428.0 10747.0	10257.0 12814.0	10697.0 11130.0	10580.0 10891.0	10572.0 10646.0
6. Forecast Net MWH Generation*	275245.0 92956.3	273533.8 16303.2	202915.6 0.0	157704.0 0.0	156518.1 202915.2	94663.1 191361.9
7. Adjusted Actual Heat Rate for Jul '015 - Jun '016 = (Σ ((5)*(6))) / (Σ (6))						

10,590

* For the January 2018 - December 2018 time period.

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

Derivation of Weighting Factors

Gulf Power Company

Period of: January 2018 - December 2018

Plant & Unit	Unit Performance Indicator	Production Cost Simulation Fuel Cost (\$000)			Weighting Factor (% of Savings)
		At Target (1)	At Maximum Improvement (2)	Savings (3)	
Scherer 3	EA-3	\$335,895	\$335,883	\$12	0.2%
Scherer 3	ANOHR-3	\$335,895	\$333,806	\$2,089	34.8%
Crist 7	EA-4	\$335,895	\$335,892	\$3	0.1%
Crist 7	ANOHR-4	\$335,895	\$335,395	\$500	8.3%
Daniel 1	EA-5	\$335,895	\$335,895	\$0	0.0%
Daniel 1	ANOHR-5	\$335,895	\$335,830	\$65	1.1%
Daniel 2	EA-6	\$335,895	\$335,894	\$1	0.0%
Daniel 2	ANOHR-6	\$335,895	\$335,748	\$147	2.5%
Smith 3	EA-7	\$335,895	\$335,812	\$83	1.4%
Smith 3	ANOHR-7	\$335,895	\$332,800	\$3,095	51.6%

- (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.

Issued by: S. W. Connally, Jr.

Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2018 - December 2018

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	12	98.10	+ 10	2,089	10,180
+ 9	11	98.02	+ 9	1,880	10,204
+ 8	10	97.94	+ 8	1,671	10,228
+ 7	8	97.86	+ 7	1,462	10,252
+ 6	7	97.78	+ 6	1,253	10,276
+ 5	6	97.70	+ 5	1,045	10,300
+ 4	5	97.62	+ 4	836	10,324
+ 3	4	97.54	+ 3	627	10,348
+ 2	2	97.46	+ 2	418	10,372
+ 1	1	97.38	+ 1	209	10,396
0	0	97.30	0	0	10,420
- 1	(1)	97.17	- 1	(209)	10,495
- 2	(2)	97.04	- 2	(418)	10,570
- 3	(3)	96.91	- 3	(627)	10,594
- 4	(4)	96.78	- 4	(836)	10,618
- 5	(5)	96.65	- 5	(1,045)	10,642
- 6	(6)	96.52	- 6	(1,253)	10,666
- 7	(7)	96.39	- 7	(1,462)	10,690
- 8	(8)	96.26	- 8	(1,671)	10,714
- 9	(9)	96.13	- 9	(1,880)	10,738
- 10	(10)	96.00	- 10	(2,089)	10,762
					10,786
					10,810
Weighting Factor:		0.002	Weighting Factor:		0.348

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2018 - December 2018

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	3	83.40	+ 10	500	10,188
+ 9	3	83.29	+ 9	450	10,212
+ 8	2	83.18	+ 8	400	10,236
+ 7	2	83.07	+ 7	350	10,260
+ 6	2	82.96	+ 6	300	10,284
+ 5	2	82.85	+ 5	250	10,308
+ 4	1	82.74	+ 4	200	10,332
+ 3	1	82.63	+ 3	150	10,356
+ 2	1	82.52	+ 2	100	10,380
+ 1	0	82.41	+ 1	50	10,404
				0	10,428
0	0	82.30	0	0	10,503
				0	10,578
- 1	(2)	82.13	- 1	(50)	10,602
- 2	(3)	81.96	- 2	(100)	10,626
- 3	(5)	81.79	- 3	(150)	10,650
- 4	(6)	81.62	- 4	(200)	10,674
- 5	(8)	81.45	- 5	(250)	10,698
- 6	(9)	81.28	- 6	(300)	10,722
- 7	(11)	81.11	- 7	(350)	10,746
- 8	(12)	80.94	- 8	(400)	10,770
- 9	(14)	80.77	- 9	(450)	10,794
- 10	(15)	80.60	- 10	(500)	10,818
Weighting Factor:		0.001	Weighting Factor:		0.083

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2018 - December 2018

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	0	84.50	+ 10	65	11,839
+ 9	0	84.39	+ 9	59	11,868
+ 8	0	84.28	+ 8	52	11,897
+ 7	0	84.17	+ 7	46	11,926
+ 6	0	84.06	+ 6	39	11,955
+ 5	0	83.95	+ 5	33	11,985
+ 4	0	83.84	+ 4	26	12,014
+ 3	0	83.73	+ 3	20	12,043
+ 2	0	83.62	+ 2	13	12,072
+ 1	0	83.51	+ 1	7	12,101
				0	12,130
0	0	83.40	0	0	12,205
				0	12,280
- 1	0	83.23	- 1	(7)	12,309
- 2	0	83.06	- 2	(13)	12,338
- 3	0	82.89	- 3	(20)	12,367
- 4	0	82.72	- 4	(26)	12,396
- 5	0	82.55	- 5	(33)	12,426
- 6	0	82.38	- 6	(39)	12,455
- 7	0	82.21	- 7	(46)	12,484
- 8	0	82.04	- 8	(52)	12,513
- 9	0	81.87	- 9	(59)	12,542
- 10	0	81.70	- 10	(65)	12,571
Weighting Factor:		0.000	Weighting Factor:		0.011

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2018 - December 2018

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	1	92.90	+ 10	147	12,056
+ 9	1	92.70	+ 9	132	12,086
+ 8	1	92.50	+ 8	118	12,116
+ 7	1	92.30	+ 7	103	12,145
+ 6	1	92.10	+ 6	88	12,175
+ 5	1	91.90	+ 5	74	12,205
+ 4	0	91.70	+ 4	59	12,235
+ 3	0	91.50	+ 3	44	12,265
+ 2	0	91.30	+ 2	29	12,294
+ 1	0	91.10	+ 1	15	12,324
0	0	90.90	0	0	12,354
- 1	(0)	90.61	- 1	0	12,429
- 2	(0)	90.32	- 2	0	12,504
- 3	(0)	90.03	- 3	(15)	12,534
- 4	(0)	89.74	- 4	(29)	12,564
- 5	(1)	89.45	- 5	(44)	12,593
- 6	(1)	89.16	- 6	(59)	12,623
- 7	(1)	88.87	- 7	(74)	12,653
- 8	(1)	88.58	- 8	(88)	12,683
- 9	(1)	88.29	- 9	(103)	12,713
- 10	(1)	88.00	- 10	(118)	12,742
				(132)	12,772
				(147)	12,802
Weighting Factor:		0.000	Weighting Factor:		0.025

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2018 - December 2018

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	83	93.70	+ 10	3,095	6,724
+ 9	75	93.65	+ 9	2,786	6,737
+ 8	66	93.60	+ 8	2,476	6,751
+ 7	58	93.55	+ 7	2,167	6,764
+ 6	50	93.50	+ 6	1,857	6,777
+ 5	42	93.45	+ 5	1,548	6,791
+ 4	33	93.40	+ 4	1,238	6,804
+ 3	25	93.35	+ 3	929	6,817
+ 2	17	93.30	+ 2	619	6,830
+ 1	8	93.25	+ 1	310	6,844
0	0	93.20	0	0	6,857
- 1	(1)	93.11	- 1	(310)	6,932
- 2	(2)	93.02	- 2	(619)	7,007
- 3	(3)	92.93	- 3	(929)	7,020
- 4	(4)	92.84	- 4	(1,238)	7,034
- 5	(6)	92.75	- 5	(1,548)	7,047
- 6	(7)	92.66	- 6	(1,857)	7,060
- 7	(8)	92.57	- 7	(2,167)	7,074
- 8	(9)	92.48	- 8	(2,476)	7,087
- 9	(10)	92.39	- 9	(2,786)	7,100
- 10	(11)	92.30	- 10	(3,095)	7,113
					7,127
					7,140
Weighting Factor:		0.014	Weighting Factor:		0.516

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ESTIMATED UNIT PERFORMANCE DATA

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2018 - December 2018

SCHERER 3	Jan '18	Feb '18	Mar '18	Apr '18	May '18	Jun '18	
1. EAF (%)	98.5	98.5	98.5	98.5	98.5	98.5	
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3. EUOF (%)	1.5	1.5	1.5	1.5	1.5	1.5	
4. EUOR (%)	1.5	1.6	1.6	1.7	1.6	1.5	
5. PH	744.0	672.0	743.0	720.0	744.0	720.0	
6. SH	733.0	620.0	695.0	644.0	685.0	709.0	
7. RSH	0.0	42.0	37.0	65.0	48.0	0.0	
8. UH	11.0	10.0	11.0	11.0	11.0	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	11.0	11.0	11.0	
11. MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12. Oper MBtu	5352927	4505792	4885111	4344166	4714086	4932020	
13. Net Gen (MWH)	511996.8	430805.3	471854.6	412825.8	437949.3	469895.2	
14. ANOHR (Btu/KWH)	10455.0	10459.0	10353.0	10523.0	10764.0	10496.0	
15. NOF %	80.8	80.3	78.5	74.1	73.9	76.6	
16. NPC (MW)	865.0	865.0	865.0	865.0	865.0	865.0	
19. ANOHR Equation	$10^6 / AKW * [532.42 - 83.71 * MAR + 152.71 * MAY]$ + 9,692						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2018 - December 2018

SCHERER 3	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Total
1. EAF (%)	98.5	98.5	98.5	82.7	98.5	98.5	97.2
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	1.5	1.5	1.5	17.3	1.5	1.5	2.8
4. EUOR (%)	1.5	1.5	1.6	24.7	1.5	1.5	3.0
5. PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6. SH	733.0	730.0	690.0	394.0	704.0	733.0	8070.0
7. RSH	0.0	3.0	19.0	221.0	6.0	0.0	441.0
8. UH	11.0	11.0	11.0	129.0	11.0	11.0	249.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. FOH & EFOH	11.0	11.0	11.0	9.0	11.0	11.0	129.0
11. MOH & EMOH	0.0	0.0	0.0	120.0	0.0	0.0	120.0
12. Oper MBtu	5320170	5337965	4883803	2757426	4739056	5047858	56820380
13. Net Gen (MWH)	508620.4	510614.6	465967.3	262837.3	450266.6	480519.5	5414152.8
14. ANOHR (Btu/KWH)	10460.0	10454.0	10481.0	10491.0	10525.0	10505.0	10495.0
15. NOF %	80.2	80.9	78.1	77.1	73.9	75.8	77.6
16. NPC (MW)	865.0	865.0	865.0	865.0	865.0	865.0	865.0
19. ANOHR Equation	$10^6 / AKW * [532.42 - 83.71 * MAR + 152.71 * MAY]$ + 9,692						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2018 - December 2018

CRIST 7	Jan '18	Feb '18	Mar '18	Apr '18	May '18	Jun '18	
1. EAF (%)	86.3	70.7	6.5	26.4	99.1	99.0	
2. POF (%)	0.0	0.0	93.5	73.3	0.0	0.0	
3. EUOF (%)	13.7	29.3	0.0	0.3	0.9	1.0	
4. EUOR (%)	27.1	75.2	0.0	100.0	1.1	1.3	
5. PH	744.0	672.0	743.0	720.0	744.0	720.0	
6. SH	274.0	65.0	0.0	0.0	626.0	532.0	
7. RSH	368.0	410.0	48.0	190.0	111.0	181.0	
8. UH	102.0	197.0	695.0	530.0	7.0	7.0	
9. POH	0.0	0.0	695.0	528.0	0.0	0.0	
10. FOH & EFOH	6.0	5.0	0.0	2.0	7.0	7.0	
11. MOH & EMOH	96.0	192.0	0.0	0.0	0.0	0.0	
12. Oper MBtu	962191	173776	0	0	2148669	2002794	
13. Net Gen (MWH)	92956.3	16303.2	0.0	0.0	202915.2	191361.9	
14. ANOHR (Btu/KWH)	10351.0	10659.0	-	-	10589.0	10466.0	
15. NOF %	71.4	52.8	0.0	0.0	68.2	75.7	
16. NPC (MW)	475.0	475.0	475.0	475.0	475.0	475.0	
19. ANOHR Equation	$10^6 / AKW * [330.88 - 62.20 * JAN - 68.36 * FEB - 48.28 * MAR - 28.26 * NOV]$ $+ 9,711 - 0.00043 * LSRF / AKW$						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2018 - December 2018

CRIST 7	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Total
1. EAF (%)	99.1	99.1	99.0	99.9	100.0	99.1	82.1
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	14.0
3. EUOF (%)	0.9	0.9	1.0	0.1	0.0	0.9	3.9
4. EUOR (%)	0.9	0.9	1.2	0.2	0.0	2.4	6.6
5. PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6. SH	733.0	733.0	573.0	531.0	516.0	288.0	4871.0
7. RSH	4.0	4.0	140.0	212.0	205.0	449.0	2322.0
8. UH	7.0	7.0	7.0	1.0	0.0	7.0	1567.0
9. POH	0.0	0.0	0.0	0.0	0.0	0.0	1223.0
10. FOH & EFOH	7.0	7.0	7.0	1.0	0.0	7.0	56.0
11. MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	288.0
12. Oper MBtu	2867502	2851589	2127367	1687117	1655649	1000779	17477433
13. Net Gen (MWH)	275245.0	273533.8	202915.6	157704.0	156518.1	94663.1	1664116.1
14. ANOHR (Btu/KWH)	10418.0	10425.0	10484.0	10698.0	10578.0	10572.0	10503.0
15. NOF %	79.1	78.6	74.6	62.5	63.9	69.2	71.9
16. NPC (MW)	475.0	475.0	475.0	475.0	475.0	475.0	475.0
19. ANOHR Equation	$10^6 / AKW * [330.88 - 62.20 * JAN - 68.36 * FEB - 48.28 * MAR - 28.26 * NOV]$ $+ 9,711 - 0.00043 * LSRF / AKW$						

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2018 - December 2018

DANIEL 1	Jan '18	Feb '18	Mar '18	Apr '18	May '18	Jun '18	
1. EAF (%)	99.1	99.0	0.0	36.3	60.8	99.0	
2. POF (%)	0.0	0.0	100.0	53.3	0.0	0.0	
3. EUOF (%)	0.9	1.0	0.0	10.4	39.2	1.0	
4. EUOR (%)	1.3	1.9	0.0	100.0	85.9	3.4	
5. PH	744.0	672.0	743.0	720.0	744.0	720.0	
6. SH	520.0	365.0	0.0	0.0	48.0	201.0	
7. RSH	217.0	300.0	0.0	261.0	404.0	512.0	
8. UH	7.0	7.0	743.0	459.0	292.0	7.0	
9. POH	0.0	0.0	743.0	384.0	0.0	0.0	
10. FOH & EFOH	7.0	7.0	0.0	3.0	4.0	7.0	
11. MOH & EMOH	0.0	0.0	0.0	72.0	288.0	0.0	
12. Oper MBtu	973319	634987	0	0	86957	353936	
13. Net Gen (MWH)	75845.0	51646.0	0.0	0.0	6718.0	28909.3	
14. ANOHR (Btu/KWH)	12833.0	12295.0	-	-	12944.0	12243.0	
15. NOF %	29.1	28.2	0.0	0.0	27.9	28.7	
16. NPC (MW)	502.0	502.0	502.0	502.0	502.0	502.0	
19. ANOHR Equation	$10\% / AKW * [481.17 + 92.71 * JAN + 85.98 * MAY]$ $+ 8,753 + 0.00100 * LSRF / AKW$						

Issued by: S. W. Connally, Jr.

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2018 - December 2018

DANIEL 1		Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Total
1.	EAF (%)	99.1	99.1	99.0	99.1	99.0	99.1	82.2
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	12.9
3.	EUOF (%)	0.9	0.9	1.0	0.9	1.0	0.9	4.9
4.	EUOR (%)	1.3	1.0	1.0	1.0	1.3	1.2	8.1
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	523.0	725.0	696.0	703.0	553.0	576.0	4910.0
7.	RSH	214.0	12.0	17.0	34.0	161.0	161.0	2293.0
8.	UH	7.0	7.0	7.0	7.0	7.0	7.0	1557.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	1127.0
10.	FOH & EFOH	7.0	7.0	7.0	7.0	7.0	7.0	70.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	360.0
12.	Oper MBtu	943648	1467609	1235866	1256026	972309	1003251	8927908
13.	Net Gen (MWH)	77730.4	125286.7	101250.7	103122.0	79385.1	81631.5	731524.7
14.	ANOHR (Btu/KWH)	12140.0	11714.0	12206.0	12180.0	12248.0	12290.0	12205.0
15.	NOF %	29.6	34.4	29.0	29.2	28.6	28.2	29.7
16.	NPC (MW)	502.0	502.0	502.0	502.0	502.0	502.0	502.0
19.	ANOHR Equation	$10^6 / AKW * [481.17 + 92.71 * JAN + 85.98 * MAY]$ $+ 8,753 + 0.00100 * LSRF / AKW$						

Issued by: S. W. Connally, Jr.

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2018 - December 2018

	DANIEL 2	Jan '18	Feb '18	Mar '18	Apr '18	May '18	Jun '18	
1.	EAF (%)	97.0	97.0	72.0	93.8	97.0	97.1	
2.	POF (%)	0.0	0.0	25.8	3.3	0.0	0.0	
3.	EUOF (%)	3.0	3.0	2.2	2.9	3.0	2.9	
4.	EUOR (%)	4.4	4.0	2.9	3.1	3.0	3.2	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	479.0	485.0	535.0	656.0	700.0	644.0	
7.	RSH	243.0	167.0	0.0	19.0	22.0	55.0	
8.	UH	22.0	20.0	208.0	45.0	22.0	21.0	
9.	POH	0.0	0.0	192.0	24.0	0.0	0.0	
10.	FOH & EFOH	22.0	20.0	16.0	21.0	22.0	21.0	
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	950226	830941	1001990	1189190	1332056	1268904	
13.	Net Gen (MWH)	72536.3	69204.7	78760.4	91985.6	100730.2	98808.9	
14.	ANOHR (Btu/KWH)	13100.0	12007.0	12722.0	12928.0	13224.0	12842.0	
15.	NOF %	30.2	28.4	29.3	27.9	28.7	30.6	
16.	NPC (MW)	502.0	502.0	502.0	502.0	502.0	502.0	
19.	ANOHR Equation	$10^6 / AKW * [606.70 + 74.51 * JAN - 120.51 * FEB + 58.65 * MAY + 44.01 * JUN - 44.62 * SEP - 81.23 * OCT - 185.41 * NOV] + 8,600$						

Issued by: S. W. Connally, Jr.

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2018 - December 2018

DANIEL 2		Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Total
1.	EAF (%)	97.0	97.0	51.8	94.0	97.1	97.0	90.7
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	2.5
3.	EUOF (%)	3.0	3.0	48.2	6.0	2.9	3.0	6.9
4.	EUOR (%)	3.1	3.6	100.0	6.3	2.9	3.0	8.0
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	699.0	588.0	0.0	672.0	700.0	715.0	6873.0
7.	RSH	23.0	134.0	373.0	27.0	0.0	7.0	1070.0
8.	UH	22.0	22.0	347.0	45.0	21.0	22.0	817.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	216.0
10.	FOH & EFOH	22.0	22.0	11.0	21.0	21.0	22.0	241.0
11.	MOH & EMOH	0.0	0.0	336.0	24.0	0.0	0.0	360.0
12.	Oper MBtu	1432594	1363081	0	1222102	1180221	1317401	13088706
13.	Net Gen (MWH)	117271.9	117012.7	0.0	101033.6	102950.2	102745.4	1053039.9
14.	ANOHR (Btu/KWH)	12216.0	11649.0	-	12096.0	11464.0	12822.0	12429.0
15.	NOF %	33.4	39.6	0.0	29.9	29.3	28.6	30.5
16.	NPC (MW)	502.0	502.0	502.0	502.0	502.0	502.0	502.0
19.	ANOHR Equation	$10^6 / AKW * [606.70 + 74.51 * JAN - 120.51 * FEB + 58.65 * MAY +$ $44.01 * JUN - 44.62 * SEP - 81.23 * OCT - 185.41 * NOV] + 8,600$						

Issued by: S. W. Connally, Jr.

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2018 - December 2018

SMITH 3	Jan '18	Feb '18	Mar '18	Apr '18	May '18	Jun '18	
1. EAF (%)	99.5	99.4	99.5	99.4	70.6	99.4	
2. POF (%)	0.0	0.0	0.0	0.0	29.0	0.0	
3. EUOF (%)	0.5	0.6	0.5	0.6	0.4	0.6	
4. EUOR (%)	0.7	0.7	0.6	0.6	0.7	0.6	
5. PH	744.0	672.0	743.0	720.0	744.0	720.0	
6. SH	609.0	576.0	614.0	664.0	428.0	678.0	
7. RSH	131.0	92.0	125.0	52.0	97.0	38.0	
8. UH	4.0	4.0	4.0	4.0	219.0	4.0	
9. POH	0.0	0.0	0.0	0.0	216.0	0.0	
10. FOH & EFOH	4.0	4.0	4.0	4.0	3.0	4.0	
11. MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12. Oper MBtu	2350329	2222249	2301263	2551350	1612641	2486049	
13. Net Gen (MWH)	338908.3	320439.6	331450.9	366625.9	232335.5	357756.4	
14. ANOHR (Btu/KWH)	6935.0	6935.0	6943.0	6959.0	6941.0	6949.0	
15. NOF %	88.7	88.6	89.9	91.9	89.9	91.4	
16. NPC (MW)	627.7	627.7	600.8	600.8	603.9	577.0	
19. ANOHR Equation	$10^6 / AKW * [144.47 + 12.50 * APR - 81.62 * OCT]$ + 6,675						

Issued by: S. W. Connally, Jr.

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2018 - December 2018

	SMITH 3	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Total
1.	EAF (%)	99.5	99.5	99.4	70.6	82.9	99.5	93.2
2.	POF (%)	0.0	0.0	0.0	29.0	0.0	0.0	4.9
3.	EUOF (%)	0.5	0.5	0.6	0.4	17.1	0.5	1.9
4.	EUOR (%)	0.6	0.6	0.6	0.6	18.0	0.6	2.2
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	708.0	704.0	658.0	473.0	559.0	715.0	7386.0
7.	RSH	32.0	36.0	58.0	52.0	39.0	25.0	777.0
8.	UH	4.0	4.0	4.0	219.0	123.0	4.0	597.0
9.	POH	0.0	0.0	0.0	216.0	0.0	0.0	432.0
10.	FOH & EFOH	4.0	4.0	4.0	3.0	3.0	4.0	45.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	120.0	0.0	120.0
12.	Oper MBtu	2651037	2605990	2434868	1766839	2143165	2823166	27948946
13.	Net Gen (MWH)	381828.7	375178.5	350542.5	260250.3	308991.5	407500.9	4031808.9
14.	ANOHR (Btu/KWH)	6943.0	6946.0	6946.0	6789.0	6936.0	6928.0	6932.0
15.	NOF %	93.5	92.4	92.3	91.6	92.0	90.8	91.0
16.	NPC (MW)	577.0	577.0	577.0	600.8	600.8	627.7	599.8
19.	ANOHR Equation	$10^6 / AKW * [144.47 + 12.50 * APR - 81.62 * OCT]$ + 6,675						

Issued by: S. W. Connally, Jr.

Planned Outage Schedules (Estimated)

Gulf Power Company

Period of: January 2018 - December 2018

Plant & Unit	Planned Outage Dates		Reason for Outage
Crist 7	03/03/18	-	04/22/18 Boiler outage
Smith 3	05/05/18	-	05/13/18 Borescope inspection
Smith 3	10/13/18	-	10/21/18 Borescope inspection
Daniel 1	03/01/18	-	04/16/18 Boiler outage
Daniel 2	03/24/18	-	04/01/18 Boiler outage

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Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: January 2018 - December 2018

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 2018 - December 2018, the outages shown below are currently planned and could be rescheduled for the target period.

Plant & Unit	Planned Outage Dates	Reason for Outage
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None

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

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

Docket No.: **20170001-EI**

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the foregoing was furnished by electronic mail this 24th day of August, 2017 to the following:

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