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March 15, 2017

VIA: ELECTRONIC FILING

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

Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor; FPSC Docket No. 170001-EI

Dear Ms. Stauffer:

Attached for filing in the above docket on behalf of Tampa Electric Company are the following:

- 1. Petition for Approval of Generating Performance Incentive Factor Results for the Twelve Month Period Ending December 2016.
- Prepare Direct Testimony and Exhibit (BSB-1) of Brian S. Buckley regarding Generating Performance Incentive Factor True-Up for the period January 2016 through December 2016.

Thank you for your assistance in connection with this matter.

Sincerely,

James D. Beasley

JDB/pp Attachments

cc: All parties of record (w/attachments)

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Petition and Testimony, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 15th day of March 2017 to the following:

Ms. Suzanne Brownless
Ms. Danijela Janjic
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Assistant General Counsel – Regulatory
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Mr. Mike Cassel Regulatory and Governmental Affairs Florida Public Utilities Company Florida Division of Chesapeake Utilities Corp. 1750 SW 14th Street, Suite 200 Fernandina Beach, FL 32034 mcassel@fpuc.com

Mr. Robert L. McGee, Jr. Regulatory and Pricing Manager Gulf Power Company One Energy Place Pensacola, FL 32520-0780 rlmcgee@southernco.com Mr. Jeffrey A. Stone Mr. Russell A. Badders Mr. Steven R. Griffin Beggs & Lane Post Office Box 12950 Pensacola, FL 32591-2950 jas@beggslane.com rab@beggslane.com srg@beggslane.com Mr. James W. Brew
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Jan 03 cy ATTORNEY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and Purchased Power)	
Cost Recovery Clause and Generating)	DOCKET NO. 170001-EI
Performance Incentive Factor.)	FILED: March 15, 2017
)	

TAMPA ELECTRIC COMPANY'S PETITION FOR APPROVAL OF GENERATING PERFORMANCE INCENTIVE FACTOR RESULTS FOR THE TWELVE MONTH PERIOD ENDING DECEMBER 2016

Tampa Electric Company ("Tampa Electric" or "the company") hereby petitions this Commission for approval of the company's results for the twelve-month period ending December 2016. In support of this Petition, Tampa Electric states as follows:

- 1. By Order No. PSC-15-0586-FOF-EI, dated December 23, 2015, the Commission approved Tampa Electric's GPIF targets for the period January 2016 through December 2016. The application of the GPIF formula to the performance of the company's GPIF units during that period produces a reward of \$47,392. The calculation of the company's GPIF reward is discussed and supported in the prepared direct testimony and exhibit of Tampa Electric witness Brian S. Buckley, which are being filed together with this petition and incorporated herein by reference.
- 2. Tampa Electric is not aware of any disputed issues of material fact relative to the relief requested herein.

WHEREFORE, Tampa Electric respectfully requests the Commission to approve \$47,392 as its GPIF reward for the period ending December 2016 and authorize the inclusion of this amount in the calculation of Tampa Electric's fuel factors for the period beginning January 2018.

DATED this 15th day of March 2017.

Respectfully submitted,

JAMES D. BEASLEY

J. JEFFRY WAHLEN

Ausley McMullen

Post Office Box 391

Tallahassee, Florida 32302

(850) 224-9115

ATTORNEYS FOR TAMPA ELECTRIC COMPANY

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the foregoing Petition, filed on behalf of Tampa Electric Company, has been served by Electronic Mail on this 15th day of March 2017 to the following:

Ms. Suzanne Brownless
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ATTORNEY ATTORNEY



BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 170001-EI
IN RE: FUEL & PURCHASED POWER COST RECOVERY
AND
CAPACITY COST RECOVERY

GENERATING PERFORMANCE INCENTIVE FACTOR

TRUE-UP

JANUARY 2016 THROUGH DECEMBER 2016

TESTIMONY AND EXHIBIT

OF

BRIAN S. BUCKLEY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION 1 PREPARED DIRECT TESTIMONY 2 3 OF BRIAN S. BUCKLEY 4 5 Please state your name, business address, occupation and 6 0. 7 employer. 8 My name is Brian S. Buckley. My business address is 702 North Α. 9 Franklin Street, Tampa, Florida 33602. I am employed by Tampa 10 Electric Company ("Tampa Electric" or "company") in the 11 position of Manager, Unit Commitment. 12 13 14 Q. Please provide a brief outline of your educational background and business experience. 15 16 Α. I received a Bachelor of Science degree in Mechanical 17 Engineering in 1997 from the Georgia Institute of Technology 18 and a Master of Business Administration from the University 19 20 of South Florida in 2003. I am a registered Professional Engineer in the state of Florida, and I have accumulated 18 21 years of electric utility work experience. I began my career 22 23 with Tampa Electric in 1999 as an Engineer in Plant Technical Services and have held various engineering positions at Tampa 24

Electric's power generating stations and in the Operations

25

Planning Department where I was responsible for unit performance analysis and reporting. In 2008, I was promoted to Manager, Operations Planning, and in 2011, NERC Compliance was added to my responsibilities. In January 2017, I was promoted to Manager, Unit Commitment, where I am responsible for commitment of Tampa Electric's generation assets.

2.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to present Tampa Electric's actual performance results from unit equivalent availability and heat rate used to determine the Generating Performance Incentive Factor ("GPIF") for the period January 2016 through December 2016. I will also compare these results to the targets established for the period.

Q. Have you prepared an exhibit to support your testimony?

A. Yes, I prepared Exhibit No. BSB-1, consisting of two documents. Document No. 1, entitled "GPIF Schedules" is consistent with the GPIF Implementation Manual approved by the Commission. Document No. 2 provides the company's Actual Unit Performance Data for the 2016 period.

Q. Which generating units on Tampa Electric's system are included

1		in the determination of the GPIF?
2		
3	A.	Four of the company's coal-fired units, one integrated
4		gasification combined cycle unit and two natural gas combined
5		cycle units are included. These are Big Bend Units 1 through
6		4, Polk Unit 1 and Bayside Units 1 and 2, respectively.
7		
8	Q.	Have you calculated the results of Tampa Electric's
9		performance under the GPIF during the January 2016 through
10		December 2016 period?
11		
12	A.	Yes, I have. This is shown on Document No. 1, page 4 of 32.
13		Based upon 0.050 Generating Performance Incentive Points
14		("GPIP"), the result is a reward amount of \$47,392 for the
15		period.
16		
17	Q.	Please proceed with your review of the actual results for the
18		January 2016 through December 2016 period.
19		
20	A.	On Document No. 1, page 3 of 32, the actual average common
21		equity for the period is shown on line 14 as \$2,346,795,227.
22		This produces the maximum penalty or reward amount of
23		\$9,571,866 as shown on line 23.
24		
25	0	Will you please explain how you arrived at the actual

equivalent availability results for the seven units included within the GPIF?

A. Yes. Operating data for each of the units is filed monthly with the Commission on the Actual Unit Performance Data form.

Additionally, outage information is reported to the Commission on a monthly basis. A summary of this data for the 12 months provides the basis for the GPIF.

Q. Are the actual equivalent availability results shown on Document No. 1, page 6 of 32, column 2, directly applicable to the GPIF table?

A. No. Adjustments to actual equivalent availability may be required as noted in Section 4.3.3 of the GPIF Manual. The actual equivalent availability including the required adjustment is shown on Document No. 1, page 6 of 32, column 4. The necessary adjustments as prescribed in the GPIF Manual are further defined by a letter dated October 23, 1981, from Mr. J. H. Hoffsis of the Commission's Staff. The adjustments for each unit are as follows:

Big Bend Unit No. 1

On this unit, 576.0 planned outage hours were originally scheduled for 2016. Actual outage activities required 518.9

planned outage hours. Consequently, the actual equivalent availability of 79.6 percent is adjusted to 79.0 percent as shown on Document No. 1, page 7 of 32.

Big Bend Unit No. 2

On this unit, 1,584.0 planned outage hours were originally scheduled for 2016. Actual outage activities required 1,974.9 planned outage hours. Consequently, the actual equivalent availability of 54.8 percent is adjusted to 58.0 percent as shown on Document No. 1, page 8 of 32.

Big Bend Unit No. 3

On this unit, 1,080.0 planned outage hours were originally scheduled for 2016. Actual outage activities required 1,102.4 planned outage hours. Consequently, the actual equivalent availability of 53.9 percent is adjusted to 54.0 percent as shown on Document No. 1, page 9 of 32.

Big Bend Unit No. 4

On this unit, 576.0 planned outage hours were originally scheduled for 2016. Actual outage activities required 585.2 planned outage hours. Consequently, the actual equivalent availability of 73.2 percent is adjusted to 73.2 percent as shown on Document No. 1, page 10 of 32.

Polk Unit No. 1

On this unit, 912.0 planned outage hours were originally scheduled for 2016. Actual outage activities required 1,170.0 planned outage hours. Consequently, the actual equivalent availability of 82.4 percent is adjusted to 85.2 percent, as shown on Document No. 1, page 11 of 32.

Bayside Unit No. 1

On this unit, 1,561.0 planned outage hours were originally scheduled for 2016. Actual outage activities required 1,757.4 planned outage hours. Consequently, the actual equivalent availability of 78.1 percent is adjusted to 80.2 percent, as shown on Document No. 1, page 12 of 32.

Bayside Unit No. 2

On this unit, 935.0 planned outage hours were originally scheduled for 2016. Actual outage activities required 625.6 planned outage hours. Consequently, the actual equivalent availability of 87.4 percent is adjusted to 84.2 percent, as shown on Document No. 1, page 13 of 32.

Q. How did you arrive at the applicable equivalent availability points for each unit?

A. The final adjusted equivalent availabilities for each unit

are shown on Document No. 1, page 6 of 32, column 4. This number is entered into the respective GPIP table for each particular unit, shown on pages 24 of 32 through 30 of 32. Page 4 of 32 summarizes the weighted equivalent availability points to be awarded or penalized.

Q. Will you please explain the heat rate results relative to the GPIF?

A. The actual heat rate and adjusted actual heat rate for Tampa Electric's seven GPIF units are shown on Document No. 1, page 6 of 32. The adjustment was developed based on the guidelines of Section 4.3.16 of the GPIF Manual. This procedure is further defined by a letter dated October 23, 1981, from Mr. J. H. Hoffsis of the FPSC Staff. The final adjusted actual heat rates are also shown on page 5 of 32, column 9. The heat rate value is entered into the respective GPIP table for the particular unit, shown on pages 24 through 30 of 32. Page 4 of 32 summarizes the weighted heat rate points to be awarded or penalized.

Q. What is the overall GPIP for Tampa Electric for the January 2016 through December 2016 period?

A. This is shown on Document No. 1, page 2 of 32. Essentially,

the weighting factors shown on page 4 of 32, column 3, plus the equivalent availability points and the heat rate points shown on page 4 of 32, column 4, are substituted within the equation found on page 32 of 32. The resulting value, 0.050, is then located in the GPIF table on page 2 of 32, and the reward amount of \$47,392 is calculated using linear interpolation.

Q. Are there any other constraints set forth by the Commission regarding the magnitude of incentive dollars?

A. Yes. Incentive dollars are not to exceed 50 percent of fuel savings. Tampa Electric met this constraint, limiting the total potential reward and penalty incentive dollars to \$9,571,866, as shown in Document No. 1, pages 2 and 3.

Q. Does this conclude your testimony?

A. Yes, it does.

EXHIBIT NO. ___ (BSB-1) TAMPA ELECTRIC COMPANY DOCKET NO. 170001-EI GPIF 2016 FINAL TRUE-UP

GENERATING PERFORMANCE INCENTIVE FACTOR

INDEX

DOCUMENT NO.	TITLE	BATES STAMPED PAGE NO.
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2	Actual Unit Performance Data	43

EXHIBIT NO. ___ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 170001-EI
GPIF 2016 FINAL TRUE-UP
DOCUMENT NO. 1

EXHIBIT TO THE TESTIMONY OF BRIAN S. BUCKLEY

DOCKET NO. 170001-EI

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2016 - DECEMBER 2016

TRUE-UP

DOCUMENT NO. 1
GPIF SCHEDULES

EXHIBIT NO._____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 170001-EI
DOCUMENT NO. 1
PAGE 1 OF 32

TAMPA ELECTRIC COMPANY GENERATING PERFORMANCE INCENTIVE FACTOR JANUARY 2016 - DECEMBER 2016 TRUE-UP TABLE OF CONTENTS

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EXHIBIT NO._____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 170001-EI
DOCUMENT NO. 1
PAGE 2 OF 32

TAMPA ELECTRIC COMPANY GENERATING PERFORMANCE INCENTIVE FACTOR REWARD / PENALTY TABLE - ACTUAL JANUARY 2016 - DECEMBER 2016

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+10	20,270.0	9,571.9
+9	18,243.0	8,614.7
+8	16,216.0	7,657.5
+7	14,189.0	6,700.3
+6	12,162.0	5,743.1
+5	10,135.0	4,785.9
+4	8,108.0	3,828.7
+3	6,081.0	2,871.6
+2	4,054.0	1,914.4
+1 0	GPI 2,027.0 REWARD DOLLARS 0.050 0.0 \$47,392	957.2
-1	(2,042.1)	(957.2)
-2	(4,084.3)	(1,914.4)
-3	(6,126.4)	(2,871.6)
-4	(8,168.5)	(3,828.7)
-5	(10,210.6)	(4,785.9)
-6	(12,252.8)	(5,743.1)
-7	(14,294.9)	(6,700.3)
-8	(16,337.0)	(7,657.5)
-9	(18,379.2)	(8,614.7)
-10	(20,421.3)	(9,571.9)

EXHIBIT NO._____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 170001-EI
DOCUMENT NO. 1
PAGE 3 OF 32

TAMPA ELECTRIC COMPANY GENERATING PERFORMANCE INCENTIVE FACTOR CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS - ACTUAL JANUARY 2016 - DECEMBER 2016

Line 1	Beginning of period balance of End of month common equity		\$ 2,270,518,569
Line 2	Month of January	2016	\$ 2,288,055,119
Line 3	Month of February	2016	\$ 2,272,865,450
Line 4	Month of March	2016	\$ 2,288,988,166
Line 5	Month of April	2016	\$ 2,302,264,369
Line 6	Month of May	2016	\$ 2,322,604,089
Line 7	Month of June	2016	\$ 2,324,852,708
Line 8	Month of July	2016	\$ 2,357,916,465
Line 9	Month of August	2016	\$ 2,393,969,874
Line 10	Month of September	2016	\$ 2,418,889,456
Line 11	Month of October	2016	\$ 2,440,312,316
Line 12	Month of November	2016	\$ 2,410,366,200
Line 13	Month of December	2016	\$ 2,416,735,164
Line 14	(Summation of line 1 through	line 13 divided by 13)	\$ 2,346,795,227
Line 15	25 Basis points		0.0025
Line 16	Revenue Expansion Factor		61.27%
Line 17	Maximum Allowed Incentive (line 14 times line 15 divided		\$ 9,576,098
Line 18	Jurisdictional Sales		19,234,183 MWH
Line 19	Total Sales		19,242,687 MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)		99.96%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)		\$ 9,571,866
Line 22	Incentive Cap (50% of project 10 GPIF-Point level from She	•	\$ 10,134,986
Line 23	Maximum Allowed GPIF R Level; the lesser of line 21 at	*	\$ 9,571,866

EXHIBIT NO._____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 170001-EI
DOCUMENT NO. 1
PAGE 4 OF 32

TAMPA ELECTRIC COMPANY CALCULATION OF SYSTEM GPIF POINTS - ACTUAL JANUARY 2016 - DECEMBER 2016

PLANT / UNIT	12 MO ADJ. AO PERFOR	CTUAL	WEIGHTING FACTOR %	UNIT POINTS	WEIGHTED UNIT POINTS
BIG BEND 1	79.0%	EAF	1.89%	0.895	0.017
BIG BEND 2	58.0%	EAF	4.41%	-10.000	-0.441
BIG BEND 3	54.0%	EAF	3.20%	-10.000	-0.320
BIG BEND 4	73.2%	EAF	3.32%	-5.171	-0.172
POLK 1	85.2%	EAF	0.76%	10.000	0.076
BAYSIDE 1	80.2%	EAF	4.12%	10.000	0.412
BAYSIDE 2	84.2%	EAF	8.44%	6.298	0.532
BIG BEND 1	10,627	ANOHR	6.90%	0.000	0.000
BIG BEND 2	10,318	ANOHR	12.47%	1.863	0.232
BIG BEND 3	10,258	ANOHR	6.59%	10.000	0.659
BIG BEND 4	10,241	ANOHR	13.12%	4.609	0.605
POLK 1	9,855	ANOHR	6.51%	9.342	0.608
BAYSIDE 1	7,412	ANOHR	14.36%	-5.553	-0.798
BAYSIDE 2	7,698	ANOHR	13.89%	-9.803	-1.362
			100.00%		0.050

GPIF REWARD \$ 47,392

EXHIBIT NO._____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 170001-EI
DOCUMENT NO. 1
PAGE 5 OF 32

TAMPA ELECTRIC COMPANY GPIF TARGET AND RANGE SUMMARY

			EO	UIVALENT	EQUIVALENT AVAILABILITY (%)	(%) XII				
PLANT / UNIT	WEIGHTING FACTOR (%)	EAF TARGET (%)	ı	EAF MAX. (%)	RANGE MIN.	MAX. FUEL SAVINGS (\$000)	MAX. FUEL LOSS (\$000)	EAF ADJUSTED ACTUAL (%)	EST. FUEL SAVINGS/ LOSS (\$000)	
BIG BEND 1	1.89%	78.71		82.0	72.2	382.8	(80.98)	%0.67	34.3	
BIG BEND 2	4.41%	68.73		72.3	61.6	893.6	(504.8)	58.0%	(504.8)	
BIG BEND 3	3.20%	76.64		79.5	71.0	648.9	(561.3)	54.0%	(561.3)	
BIG BEND 4	3.32%	76.95		9.08	69.7	673.1	(1,958.4)	73.2%	(1,012.7)	
POLK 1	0.76%	81.52		83.7	77.2	153.6	(511.0)	85.2%	153.6	
BAYSIDE 1	4.12%	76.07		78.2	71.8	835.8	(136.0)	80.2%	835.8	
BAYSIDE 2	8.44%	83.07		84.9	79.5	1,711.3	(818.2)	84.2%	1,077.8	
GPIF SYSTEM	26.14%					5,299.1	(5,450.5)			
			AVERAGE	NET OPER	ATING HEAT	AVERAGE NET OPERATING HEAT RATE (Btu/kwh)				
PLANT / UNIT	WEIGHTING FACTOR (%)	ANOHR (Btu/kwh)	TARGET NOF (%)	ANOHR RAI MIN.	ANOHR TARGET RANGE MIN. MAX.	MAX. FUEL SAVINGS (\$000)	MAX. FUEL LOSS (\$000)	ACTUAL ADJUSTED ANOHR	EST. FUEL SAVINGS/ LOSS (\$000)	
BIG BEND 1	%06.9	10,683	91.1	10,473	10,893	1,399.4	(1,399.4)	10,627	0.0	
BIG BEND 2	12.47%	10,460	92.2	10,025	10,895	2,528.1	(2,528.1)	10,318	470.9	
BIG BEND 3	6.59%	10,654	9.68	10,441	10,867	1,336.8	(1,336.8)	10,258	1,336.8	
BIG BEND 4	13.12%	10,458	91.0	10,075	10,842	2,659.8	(2,659.8)	10,241	1,225.8	
POLK 1	6.51%	10,191	94.0	9,837	10,545	1,319.6	(1,319.6)	9,855	1,232.8	
BAYSIDE 1	14.36%	7,232	71.6	6,967	7,496	2,911.6	(2,911.6)	7,412	(1,616.7)	
BAYSIDE 2	13.89%	7,484	53.5	7,267	7,701	2,815.6	(2,815.6)	7,698	(2,760.1)	
GPIF SYSTEM	73.86%					14,970.8	(14,970.8)			

EXHIBIT NO._____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 170001-EI
DOCUMENT NO. 1
PAGE 6 OF 32

TAMPA ELECTRIC COMPANY UNIT PERFORMANCE DATA - ACTUAL JANUARY 2016 - DECEMBER 2016

PLANT / UNIT	ACTUAL EAF (%)	ADJUSTMENTS (1) TO EAF (%)	EAF ADJUSTED ACTUAL (%)
BIG BEND 1	79.6	-0.6	79.0
BIG BEND 2	54.8	3.2	58.0
BIG BEND 3	53.9	0.1	54.0
BIG BEND 4	73.2	0.0	73.2
POLK 1	82.4	2.8	85.2
BAYSIDE 1	78.1	2.1	80.2
BAYSIDE 2	87.4	-3.2	84.2
PLANT / UNIT	ACTUAL ANOHR (Btu/kwh)	ADJUSTMENTS (2) TO ANOHR (Btu/kwh)	ANOHR ADJUSTED ACTUAL (Btu/kwh)
BIG BEND 1	10,944	-317	10,627
BIG BEND 2	10,728	-410	10,318
BIG BEND 3	10,735	-477	10,258
BIG BEND 4	10,521	-280	10,241
POLK 1	9,859	-4	9,855
BAYSIDE 1			
	7,502	-90	7,412

⁽¹⁾ Documentation of adjustments to Actual EAF on pages 7 - 13

⁽²⁾ Documentation of adjustments to Actual ANOHR on pages 14 - 20

EXHIBIT NO._____ (BSB-1)
TAMPA ELECTRIC COMPANY
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TAMPA ELECTRIC COMPANY ADJUSTMENTS TO PERFORMANCE BIG BEND UNIT NO. 1 JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR =

1.89%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	78.7	79.6	79.0
РОН	576.0	518.9	576.0
FOH + EFOH	1,098.0	1,130.1	1,122.3
MOH + EMOH	196.4	146.5	145.5
POF	6.6	5.9	6.6
EFOF	12.5	12.9	12.8
EMOF	2.2	1.7	1.7
	0.895	EQUIVALENT AVAIL	ABILITY POINTS

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH \,_{TARGET}}{PH - POH \,_{ACTUAL}} \times \left(FOH + EFOH + MOH + EMOH\right) = EUOH \,_{ADJUSTED}$$

$$\frac{8784 - 576}{8784 - 518.9} \times \left(1130.1 + 146.5\right) = 1,267.8$$

$$100 - POF \,_{TARGET} - \frac{EUOH \,_{ADJUSTED}}{PH} \times 100 = EAF \,_{ADJUSTED}$$

$$100 - 6.6 - 1,267.8 \times 100 = 79.0$$

PH = PERIOD HOURS

EAF = EQUIVALENT AVAILABILITY FACTOR

8,784.0

POH = PLANNED OUTAGE HOURS

FOH = FORCED OUTAGE HOURS

EFOH = EQUIVALENT FORCED OUTAGE HOURS

MOH = MAINTENANCE OUTAGE HOURS

EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS

POF = PLANNED OUTAGE FACTOR

EFOF = EQUIVALENT FORCED OUTAGE FACTOR

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TAMPA ELECTRIC COMPANY ADJUSTMENTS TO PERFORMANCE BIG BEND UNIT NO. 2 JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR =

4.41%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	68.7	54.8	58.0
РОН	1,584.0	1,974.9	1,584.0
FOH + EFOH	870.5	1,942.1	2,053.6
MOH + EMOH	291.9	53.0	56.0
POF	18.0	22.5	18.0
EFOF	9.9	22.1	23.4
EMOF	3.3	0.6	0.6
	-10.000	EOUIVALENT AVAIL	ABILITY POINTS

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times \left(FOH + EFOH + MOH + EMOH\right) = EUOH_{ADJUSTED}$$

$$\frac{8784 - 1584}{8784 - 1974.9}$$
 x $(1942.1 + 53) = 2,109.6$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 18 - 2,109.6 \times 100 = 58.0$$

PH = PERIOD HOURS

EAF = EQUIVALENT AVAILABILITY FACTOR

POH = PLANNED OUTAGE HOURS

FOH = FORCED OUTAGE HOURS

EFOH = EQUIVALENT FORCED OUTAGE HOURS

MOH = MAINTENANCE OUTAGE HOURS

EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS

POF = PLANNED OUTAGE FACTOR

EFOF = EQUIVALENT FORCED OUTAGE FACTOR

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TAMPA ELECTRIC COMPANY ADJUSTMENTS TO PERFORMANCE BIG BEND UNIT NO. 3 JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR =

3.20%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	76.6	53.9	54.0
РОН	1,080.0	1,102.4	1,080.0
FOH + EFOH	708.8	2,858.0	2,866.3
MOH + EMOH	263.0	92.8	93.1
POF	12.3	12.6	12.3
EFOF	8.1	32.5	32.6
EMOF	3.0	1.1	1.1
	-10.000	EQUIVALENT AVAIL	ABILITY POINTS

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8784 - 1080}{8784 - 1102.4} \times (2858 + 92.8) = 2,959.4$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 12.3 - \frac{2,959.4}{8,784.0} \times 100 = 54.0$$

PH = PERIOD HOURS

EAF = EQUIVALENT AVAILABILITY FACTOR

POH = PLANNED OUTAGE HOURS

FOH = FORCED OUTAGE HOURS

EFOH = EQUIVALENT FORCED OUTAGE HOURS

MOH = MAINTENANCE OUTAGE HOURS

EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS

POF = PLANNED OUTAGE FACTOR

EFOF = EQUIVALENT FORCED OUTAGE FACTOR

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TAMPA ELECTRIC COMPANY ADJUSTMENTS TO PERFORMANCE BIG BEND UNIT NO. 4 JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR =

3.32%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
РН	8,784.0	8,784.0	8,784.0
EAF	76.9	73.2	73.2
РОН	576.0	585.2	576.0
FOH + EFOH	1,145.8	1,199.3	1,200.6
MOH + EMOH	303.0	569.8	570.4
POF	6.6	6.7	6.6
EFOF	13.0	13.7	13.7
EMOF	3.4	6.5	6.5
	-5.171	EQUIVALENT AVAIL	ABILITY POINTS

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8784 - 576}{8784 - 585.2} \times (1199.3 + 569.8) = 1,771.1$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 6.6 - \frac{1,771.1}{8,784.0} \times 100 = 73.2$$

PH = PERIOD HOURS

EAF = EQUIVALENT AVAILABILITY FACTOR

POH = PLANNED OUTAGE HOURS

FOH = FORCED OUTAGE HOURS

EFOH = EQUIVALENT FORCED OUTAGE HOURS

MOH = MAINTENANCE OUTAGE HOURS

EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS

POF = PLANNED OUTAGE FACTOR

EFOF = EQUIVALENT FORCED OUTAGE FACTOR

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TAMPA ELECTRIC COMPANY ADJUSTMENTS TO PERFORMANCE POLK UNIT NO. 1 JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR =

0.76%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	81.5	82.4	85.2
РОН	912.0	1,170.0	912.0
FOH + EFOH	362.4	240.8	249.0
MOH + EMOH	349.3	131.4	135.9
POF	10.4	13.3	10.4
EFOF	4.1	2.7	2.8
EMOF	4.0	1.5	1.5
	10.000	EOUIVALENT AVAIL	ABILITY POINTS

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8784 - 912}{8784 - 1170} \times (240.8 + 131.4) = 384.8$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 10.4 - \frac{384.8}{8.784.0} \times 100 = 85.2$$

PH = PERIOD HOURS

EAF = EQUIVALENT AVAILABILITY FACTOR

POH = PLANNED OUTAGE HOURS

FOH = FORCED OUTAGE HOURS

EFOH = EQUIVALENT FORCED OUTAGE HOURS

MOH = MAINTENANCE OUTAGE HOURS

EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS

POF = PLANNED OUTAGE FACTOR

EFOF = EQUIVALENT FORCED OUTAGE FACTOR

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TAMPA ELECTRIC COMPANY ADJUSTMENTS TO PERFORMANCE BAYSIDE UNIT NO. 1 JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR =

4.12%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	76.1	78.1	80.2
РОН	1,561.0	1,757.4	1,561.0
FOH + EFOH	219.4	74.1	76.2
MOH + EMOH	322.0	92.8	95.4
POF	17.8	20.0	17.8
EFOF	2.5	0.8	0.9
EMOF	3.7	1.1	1.1
	10.000	EOUIVALENT AVAIL	ABILITY POINTS

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{7ARGET}}{PH - POH_{7ARGET}} \times \left(FOH + EFOH + MOH + EMOH\right) = EUOH_{7ADJUSTED}$$

$$\frac{8784 - 1561}{8784 - 1757.4} \times \left(74.1 + 92.8\right) = 171.6$$

$$100 - POF_{7ARGET} - \frac{EUOH_{7ADJUSTED}}{PH} \times 100 = EAF_{7ADJUSTED}$$

$$100 - 17.8 - 171.6 \times 100 = 80.2$$

PH = PERIOD HOURS

EAF = EQUIVALENT AVAILABILITY FACTOR

8,784.0

POH = PLANNED OUTAGE HOURS

FOH = FORCED OUTAGE HOURS

EFOH = EQUIVALENT FORCED OUTAGE HOURS

MOH = MAINTENANCE OUTAGE HOURS

EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS

POF = PLANNED OUTAGE FACTOR

EFOF = EQUIVALENT FORCED OUTAGE FACTOR

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TAMPA ELECTRIC COMPANY ADJUSTMENTS TO PERFORMANCE BAYSIDE UNIT NO. 2 JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR =

8.44%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	83.1	87.4	84.2
РОН	935.0	625.6	935.0
FOH + EFOH	307.6	135.6	130.5
MOH + EMOH	244.2	342.0	329.0
POF	10.6	7.1	10.6
EFOF	3.5	1.5	1.5
EMOF	2.8	3.9	3.7
	6.298	EQUIVALENT AVAIL	ABILITY POINTS

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times \left(FOH + EFOH + MOH + EMOH\right) = EUOH_{ADJUSTED}$$

$$\frac{8784 - 935}{8784 - 625.6} \times \left(135.6 + 342\right) = 459.5$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 10.6 - \frac{459.5}{8.784.0} \times 100 = 84.2$$

PH = PERIOD HOURS

EAF = EQUIVALENT AVAILABILITY FACTOR

POH = PLANNED OUTAGE HOURS

FOH = FORCED OUTAGE HOURS

EFOH = EQUIVALENT FORCED OUTAGE HOURS

MOH = MAINTENANCE OUTAGE HOURS

EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS

POF = PLANNED OUTAGE FACTOR

EFOF = EQUIVALENT FORCED OUTAGE FACTOR

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TAMPA ELECTRIC COMPANY ADJUSTMENTS TO HEAT RATE **BIG BEND UNIT NO. 1** JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR =

6.90%

		12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)		10,683	10,944
NET GENERATION (GWH)		2,630.7	1,996.6
OPERATING BTU (10 ⁹)		27,366.7	21,851.3
NET OUTPUT FACTOR		91.1	72.3
	0.000	HEAT RATE POINTS	

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-16.86) + 12219.15 = ANOHR

11,000 72.3 * (-16.86) + 12219.15 =

10,944 -11,000 -56 =

10,683 -56 = 10,627 ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE NOF = NET OPERATING FACTOR

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TAMPA ELECTRIC COMPANY ADJUSTMENTS TO HEAT RATE BIG BEND UNIT NO. 2 JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR =

12.47%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,460	10,728
NET GENERATION (GWH)	2,296.0	1,467.6
OPERATING BTU (10 ⁹)	23,980.4	15,744.9
NET OUTPUT FACTOR	92.2	73.3

1.863 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-21.73) + 12462.31 = ANOHR 73.3 * (-21.73) + 12462.31 = 10,870 10,728 - 10,870 = -142 $10,460 + -142 = 10,318 \leftarrow ADJUSTED ACTUAL HEAT RATE AT TARGET NOF$

ANOHR = AVERAGE NET OPERATING HEAT RATE NOF = NET OPERATING FACTOR

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TAMPA ELECTRIC COMPANY ADJUSTMENTS TO HEAT RATE BIG BEND UNIT NO. 3 JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR =

6.59%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,654	10,735
NET GENERATION (GWH)	2,596.7	1,543.4
OPERATING BTU (10 ⁹)	27,069.9	16,568.7
NET OUTPUT FACTOR	89.6	61.7

10.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-17.14) + 12188.87 = ANOHR 61.7 * (-17.14) + 12188.87 = 11,131 10,735 - 11,131 = -396 $10,654 + -396 = 10,258 \leftarrow ADJUSTED ACTUAL HEAT RATE AT TARGET NOF$

 $\label{eq:anohr} \mbox{ANOHR} = \mbox{AVERAGE NET OPERATING HEAT RATE} \\ \mbox{NOF} = \mbox{NET OPERATING FACTOR}$

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TAMPA ELECTRIC COMPANY ADJUSTMENTS TO HEAT RATE BIG BEND UNIT NO. 4 JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR =

13.12%

		12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)		10,458	10,521
NET GENERATION (GWH)		2,908.8	2,275.9
OPERATING BTU (10 ⁹)		30,261.4	23,944.1
NET OUTPUT FACTOR		91.0	70.9
	4.609	HEAT RATE POINTS	

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-13.92) + 11725.49 = ANOHR 70.9 * (-13.92) + 11725.49 = 10,739 10,521 - 10,739 = -218 $10,458 + -218 = 10,241 \leftarrow ADJUSTED ACTUAL HEAT RATE AT TARGET NOF$

ANOHR = AVERAGE NET OPERATING HEAT RATE NOF = NET OPERATING FACTOR

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TAMPA ELECTRIC COMPANY ADJUSTMENTS TO HEAT RATE POLK UNIT NO. 1 JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR =

6.51%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,191	9,859
NET GENERATION (GWH)	1,597.2	1,476.2
OPERATING BTU (10 ⁹)	16,729.2	14,553.8
NET OUTPUT FACTOR	94.0	93.8
0.242		

9.342 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-22.73) + 12326.95 = ANOHR

93.8 * (-22.73) + 12326.95 = 10,195

9,859 - 10,195 = -336

10,191 + -336 = 9,855 ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE NOF = NET OPERATING FACTOR

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TAMPA ELECTRIC COMPANY ADJUSTMENTS TO HEAT RATE BAYSIDE UNIT NO. 1 JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR =

14.36%

7,412 ← ADJUSTED ACTUAL

HEAT RATE AT TARGET NOF

		12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)		7,232	7,502
NET GENERATION (C	GWH)	3,178.1	3,281.7
OPERATING BTU (10 ⁹	3)	23,354.0	24,617.8
NET OUTPUT FACTO	R	71.6	64.2
	-5.553	HEAT RATE POINTS	
ADJUSTMENTS TO A	CTUAL HEAT RATE FOR (COMPARISON	
CURRENT EQUATION	N: NOF *(-12.11) + 8098	3.65 = ANOHR	
64.	2 * (-12.11) + 8098.65 =	7,322	
7,502 -	7,322 =	180	

=

ANOHR = AVERAGE NET OPERATING HEAT RATE NOF = NET OPERATING FACTOR

7,232

180

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12 MONTH

TAMPA ELECTRIC COMPANY ADJUSTMENTS TO HEAT RATE BAYSIDE UNIT NO. 2 JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR =

13.89%

TARGET NOF

				2 MONTH TARGET	ACTUAL PERFORMANCE
ANOHR (Btu/kwh)			7,484	7,662
NET GENERATIO	ON (GWH)		3,779.9	4,534.4
OPERATING BT	$J(10^9)$			28,243.6	34,740.9
NET OUTPUT FA	CTOR			53.5	57.6
		-9.803	HEA	T RATE PO	INTS
ADJUSTMENTS '	ГО АСТИ	AL HEAT RATE F	OR COMPAR	RISON	=
CURRENT EQUA	ATION:	NOF *(-8.68) + '	7948.71 =	ANOHR	
	57.6 *	(-8.68) + 7948.71	=	7,448	
7,662	-	7,448	=	214	
7,484	+	214	=	7,698	- ADJUSTED ACTUAL HEAT RATE AT

ANOHR = AVERAGE NET OPERATING HEAT RATE NOF = NET OPERATING FACTOR

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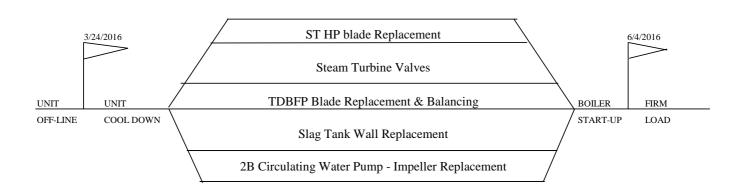
TAMPA ELECTRIC COMPANY PLANNED OUTAGE SCHEDULE (ACTUAL) GPIF UNITS JANUARY 2016 - DECEMBER 2016

PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DESCRIPTION
BIG BEND 1	Apr 09 - Apr 20 Dec 13 - Dec 23	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
+ BIG BEND 2	Mar 24 - Jun 04	Steam Turbine HP Blade replacement, Steam Turbine Valves, TDBFP Blade replacement & Balancing, Slag Tank wall replacement, 2B Circulating Water Pump - Impeller Replacement
	Dec 11 - Dec 22	Fuel System Cleanup and FGD/SCR work
+ BIG BEND 3	Jan 18 - Feb 23	GSU Replacement, 3A Circulating Water Pump Motor rebuild
	Aug 24 - Sep 04	Fuel System Cleanup and FGD/SCR work
BIG BEND 4	Feb 28 - Mar 12 Nov 10 - Nov 21	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
+ POLK 1	Apr 23 - May 27	HRSG Module 1 casing & seal replacement, HRSG basement improvement, CT CI, 1st stage nozzle replacement, ASU lube oil cooler replacement, SAP pump tank cooler replacement, Aux Boiler evap. Turbine replacement
	Nov 27 - Dec 12	Fuel System Cleanup
+ BAYSIDE 1	Feb 12 - Feb 23 Oct 09 - Dec 11	Fuel System Cleanup GSU Replacement, Turbine Valve Rebuilds, Turbine Center Line Inspection/Refurbishment, Intake Dredging, Tunnel Refurbishment, HRSG Control Valve Replacement
BAYSIDE 2	Feb 27 - Mar 11 Sep 15 - Sep 29	Fuel System Cleanup Fuel System Cleanup

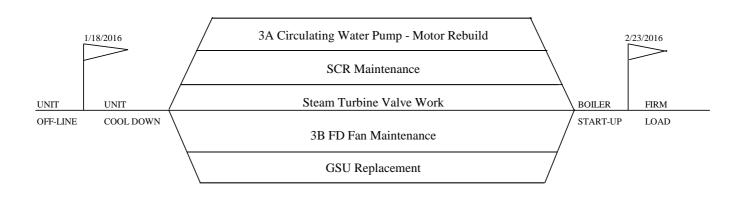
⁺ Critical Path Method ("CPM") for units with outages greater than 4 weeks are included.

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TAMPA ELECTRIC COMPANY CRITICAL PATH METHOD DIAGRAMS GPIF UNITS > FOUR WEEKS JANUARY 2016 - DECEMBER 2016



TAMPA ELECTRIC COMPANY BIG BEND UNIT 2 PLANNED OUTAGE 2016 ACTUAL CPM



TAMPA ELECTRIC COMPANY BIG BEND UNIT 3 PLANNED OUTAGE 2016 ACTUAL CPM

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TAMPA ELECTRIC COMPANY CRITICAL PATH METHOD DIAGRAMS GPIF UNITS > FOUR WEEKS JANUARY 2016 - DECEMBER 2016

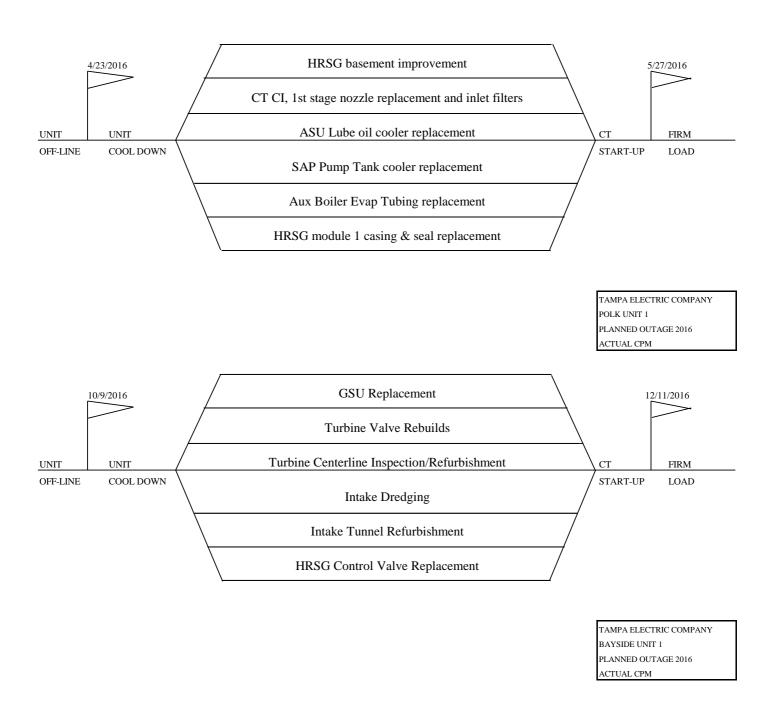


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TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2016 - DECEMBER 2016

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	382.8	82.0	+10	1,399.4	10,473
+9	344.5	81.7	+9	1,259.5	10,486
+8	306.2	81.3	+8	1,119.5	10,500
+7	267.9	81.0	+7	979.6	10,513
+6	229.7	80.7	+6	839.7	10,527
+5	191.4	80.3	+5	699.7	10,540
+4	153.1	80.0	+4	559.8	10,554
+3	114.8	79.7	+3	419.8	10,567
+2	76.6	79.4	+2	279.9	10,581
7	EAF 38.3 Adjusted	79.0	+1	139.9	10,594
	DINTS EAF 79.0				10,608
0	0.0	78.7	0 PO	AHR OINTS 0.0 0.00 10,62	IR 10,683
				10,02	10,758
-1	(96.1)	78.1	-1	(139.9)	10,772
-2	(192.2)	77.4	-2	(279.9)	10,785
-3	(288.2)	76.7	-3	(419.8)	10,799
-4	(384.3)	76.1	-4	(559.8)	10,812
-5	(480.4)	75.4	-5	(699.7)	10,826
-6	(576.5)	74.8	-6	(839.7)	10,839
-7	(672.5)	74.1	-7	(979.6)	10,853
-8	(768.6)	73.5	-8	(1,119.5)	10,866
-9	(864.7)	72.8	-9	(1,259.5)	10,880
-10	(960.8)	72.2	-10	(1,399.4)	10,893
Weight	ting Factor =	1.89%	Weigl	hting Factor =	6.90%

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TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2016 - DECEMBER 2016

BIG BEND 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	893.6	72.3	+10	2,528.1	10,025
+9	804.2	71.9	+9	2,275.3	10,061
+8	714.9	71.6	+8	2,022.5	10,097
+7	625.5	71.2	+7	1,769.7	10,133
+6	536.2	70.9	+6	1,516.8	10,169
+5	446.8	70.5	+5	1,264.0	10,205
+4	357.4	70.2	+4	1,011.2	10,241
+3	268.1	69.8	+3	758.4	10,277
+2	178.7	69.4		AHR 505.6 Adjuste ANOH	
+1	89.4	69.1		1.863 252.8 ANOII 10,318	
					10,385
0	0.0	68.7	0	0.0	10,460
					10,535
-1	(50.5)	68.0	-1	(252.8)	10,571
-2	(101.0)	67.3	-2	(505.6)	10,607
-3	(151.4)	66.6	-3	(758.4)	10,643
-4	(201.9)	65.9	-4	(1,011.2)	10,679
-5	(252.4)	65.2	-5	(1,264.0)	10,715
-6	(302.9)	64.5	-6	(1,516.8)	10,751
-7	(353.4)	63.8	-7	(1,769.7)	10,787
-8	(403.9)	63.1	-8	(2,022.5)	10,823
	AF (454.3) Adjus		-9	(2,275.3)	10,859
	0.000 (504.8) EAI		-10	(2,528.1)	10,895

Weighting Factor = 4.41% Weighting Factor = 12.47%

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TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2016 - DECEMBER 2016

BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	648.9	79.5		AHR 1,336.8 Adjusted	10,441
+9	584.0	79.2		OINTS 1,203.1 ANOHR 10,258	10,455
+8	519.1	78.9	+8	1,069.4	10,469
+7	454.2	78.6	+7	935.7	10,483
+6	389.4	78.3	+6	802.1	10,496
+5	324.5	78.1	+5	668.4	10,510
+4	259.6	77.8	+4	534.7	10,524
+3	194.7	77.5	+3	401.0	10,538
+2	129.8	77.2	+2	267.4	10,551
+1	64.9	76.9	+1	133.7	10,565
					10,579
0	0.0	76.6	0	0.0	10,654
					10,729
-1	(56.1)	76.1	-1	(133.7)	10,743
-2	(112.3)	75.5	-2	(267.4)	10,757
-3	(168.4)	74.9	-3	(401.0)	10,770
-4	(224.5)	74.4	-4	(534.7)	10,784
-5	(280.6)	73.8	-5	(668.4)	10,798
-6	(336.8)	73.3	-6	(802.1)	10,812
-7	(392.9)	72.7	-7	(935.7)	10,825
-8	(449.0)	72.1	-8	(1,069.4)	10,839
	(505.1) Adjus		-9	(1,203.1)	10,853
	INTS EAI 54.0		-10	(1,336.8)	10,867

Weighting Factor = 3.20% Weighting Factor = 6.59%

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TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2016 - DECEMBER 2016

BIG BEND 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	673.1	80.6	+10	2,659.8	10,075
+9	605.8	80.2	+9	2,393.8	10,106
+8	538.5	79.8	+8	2,127.8	10,136
+7	471.2	79.5	+7	1,861.8	10,167
+6	403.8	79.1	+6	1,595.9	10,198
+5	336.5	78.8	4 1	AHR 1,329.9 Adjuste	
+4	269.2	78.4		OINTS 4.609 1,063.9 ANOHI 10,241	
+3	201.9	78.0	+3	797.9	10,291
+2	134.6	77.7	+2	532.0	10,321
+1	67.3	77.3	+1	266.0	10,352
					10,383
0	0.0	76.9	0	0.0	10,458
					10,533
-1	(195.8)	76.2	-1	(266.0)	10,564
-2	(391.7)	75.5	-2	(532.0)	10,595
-3	(587.5)	74.8	-3	(797.9)	10,626
-4	(783.4)	74.0	-4	(1,063.9)	10,657
	EAF (979.2) Adjuste	73.3	-5	(1,329.9)	10,687
	DINTS EAF 73.2	72.6	-6	(1,595.9)	10,718
-7	(1,370.9)	71.9	-7	(1,861.8)	10,749
-8	(1,566.7)	71.1	-8	(2,127.8)	10,780
-9	(1,762.6)	70.4	-9	(2,393.8)	10,811
-10	(1,958.4)	69.7	-10	(2,659.8)	10,842

Weighting Factor = 3.32% Weighting Factor = 13.12%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2016 - DECEMBER 2016

POLK 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	EAF 153.6 Adjusted	83.7	+10	AHR 1,319.6 Adjusted	9,837
+9	POINTS EAF 10.000 138.2 85.2	83.4	← Pe	OINTS ANOHR 9,342 1,187.6 9,855	9,865
+8	122.9	83.2	+8	1,055.7	9,892
+7	107.5	83.0	+7	923.7	9,920
+6	92.2	82.8	+6	791.8	9,948
+5	76.8	82.6	+5	659.8	9,976
+4	61.4	82.4	+4	527.8	10,004
+3	46.1	82.2	+3	395.9	10,032
+2	30.7	81.9	+2	263.9	10,060
+1	15.4	81.7	+1	132.0	10,088
					10,116
0	0.0	81.5	0	0.0	10,191
					10,266
-1	(51.1)	81.1	-1	(132.0)	10,294
-2	(102.2)	80.7	-2	(263.9)	10,322
-3	(153.3)	80.2	-3	(395.9)	10,350
-4	(204.4)	79.8	-4	(527.8)	10,377
-5	(255.5)	79.4	-5	(659.8)	10,405
-6	(306.6)	79.0	-6	(791.8)	10,433
-7	(357.7)	78.5	-7	(923.7)	10,461
-8	(408.8)	78.1	-8	(1,055.7)	10,489
-9	(459.9)	77.7	-9	(1,187.6)	10,517
-10	(511.0)	77.2	-10	(1,319.6)	10,545

Weighting Factor =

6.51%

0.76%

Weighting Factor =

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TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2016 - DECEMBER 2016

BAYSIDE 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	EAF 835.8 Adjusted	78.2	+10	2,911.6	6,967
+9	POINTS EAF 80.2	78.0	+9	2,620.4	6,986
+8	668.6	77.8	+8	2,329.3	7,005
+7	585.0	77.6	+7	2,038.1	7,024
+6	501.5	77.3	+6	1,746.9	7,043
+5	417.9	77.1	+5	1,455.8	7,062
+4	334.3	76.9	+4	1,164.6	7,081
+3	250.7	76.7	+3	873.5	7,100
+2	167.2	76.5	+2	582.3	7,119
+1	83.6	76.3	+1	291.2	7,138
					7,157
0	0.0	76.1	0	0.0	7,232
					7,307
-1	(13.6)	75.6	-1	(291.2)	7,326
-2	(27.2)	75.2	-2	(582.3)	7,345
-3	(40.8)	74.8	-3	(873.5)	7,364
-4	(54.4)	74.4	-4	(1,164.6)	7,383
-5	(68.0)	73.9		AHR (1,455.8) Adjust	
-6	(81.6)	73.5		DINTS ANOH 5.553 (1,746.9) 7,412	
-7	(95.2)	73.1	-7	(2,038.1)	7,439
-8	(108.8)	72.7	-8	(2,329.3)	7,458
-9	(122.4)	72.2	-9	(2,620.4)	7,477
-10	(136.0)	71.8	-10	(2,911.6)	7,496

Weighting Factor = 4.12% Weighting Factor = 14.36%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2016 - DECEMBER 2016

BAYSIDE 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,711.3	84.9	+10	2,815.6	7,267
+9	1,540.2	84.7	+9	2,534.1	7,282
+8	1,369.1	84.5	+8	2,252.5	7,296
+7	EAF 1,197.9 Adjusted POINTS EAF	84.3	+7	1,970.9	7,310
+6	POINTS 6.298 1,026.8 EAF 84.2	84.1	+6	1,689.4	7,324
+5	855.7	84.0	+5	1,407.8	7,338
+4	684.5	83.8	+4	1,126.3	7,352
+3	513.4	83.6	+3	844.7	7,367
+2	342.3	83.4	+2	563.1	7,381
+1	171.1	83.3	+1	281.6	7,395
					7,409
0	0.0	83.1	0	0.0	7,484
					7,559
-1	(81.8)	82.7	-1	(281.6)	7,573
-2	(163.6)	82.4	-2	(563.1)	7,587
-3	(245.4)	82.0	-3	(844.7)	7,602
-4	(327.3)	81.6	-4	(1,126.3)	7,616
-5	(409.1)	81.3	-5	(1,407.8)	7,630
-6	(490.9)	80.9	-6	(1,689.4)	7,644
-7	(572.7)	80.6	-7	(1,970.9)	7,658
-8	(654.5)	80.2	-8	(2,252.5)	7,672
-9	(736.3)	79.9		Adjustant (2,534.1) Adjustant ANO	
-10	(818.2)	79.5		(2,815.6) Arto	

Weighting Factor = 8.44% Weighting Factor = 13.89%

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TAMPA ELECTRIC COMPANY COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR		GET PEI N 16 - DE EUOF	_		L PERFO N 16 - DE EUOF	RMANCE C 16 EUOR
BIG BEND 1	1.89%	7.2%	6.6	14.7	15.8	5.9	14.5	15.4
BIG BEND 2	4.41%	16.9%	18.0	13.2	16.1	22.5	22.7	29.3
BIG BEND 3	3.20%	12.2%	12.3	11.1	12.6	12.6	33.6	38.4
BIG BEND 4	3.32%	12.7%	6.6	16.5	17.7	6.7	20.1	21.6
POLK 1	0.76%	2.9%	10.4	8.1	9.0	13.3	4.2	4.9
BAYSIDE 1	4.12%	15.8%	17.8	8.1	9.9	13.3	4.2	4.9
BAYSIDE 2	8.44%	32.3%	10.6	8.1	9.1	13.3	4.2	4.9
GPIF SYSTEM	26.1%	100.0%	12.4	10.9	12.4	13.4	13.7	16.0
GPIF SYSTEM V	WEIGHTED EQU	JIVALENT AVAILAB	BILITY (%	<u>76.7</u>			<u>72.9</u>	
			3 PER	IOD AVE EUOF	ERAGE EUOR	3 PEF	RIOD AVI EAF	ERAGE
			10.9	11.9	13.6		77.2	

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING	TARGET HEAT RATE	ADJUSTED ACTUAL HEAT RATE
PLANT / UNIT	(%)	FACTOR	JAN 16 - DEC 16	JAN 16 - DEC 16
BIG BEND 1	6.90%	9.3%	10,683	10,627
BIG BEND 2	12.47%	16.9%	10,460	10,318
BIG BEND 3	6.59%	8.9%	10,654	10,258
BIG BEND 4	13.12%	17.8%	10,458	10,241
POLK 1	6.51%	8.8%	10,191	9,855
BAYSIDE 1	14.36%	19.4%	7,232	7,412
BAYSIDE 2	13.89%	18.8%	7,484	7,698
GPIF SYSTEM	73.9%	100.0%		
GPIF SYSTEM V	VEIGHTED AVE	RAGE HEAT RATE	(Btu/kwh) <u>9,287</u>	9,229

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TAMPA ELECTRIC COMPANY GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION JANUARY 2016 - DECEMBER 2016

Points are calculated according to the formula:

$$GPIP = \sum_{i=1}^{n} \left[a_i (EAP_i) + e_i (AHRP_i) \right]$$

Where:

GPIP = Generating performance incentive points

 a_i = Percentage of total system fuel cost reduction attributed to maximum reasonably attainable equivalent availability of unit i during the period

 e_i = Percentage of total system fuel cost reduction attributed to minimum reasonably attainable average heat rate of unit i during the period

 EAP_i = Equivalent availability points awarded/deducted for unit i

AHRP i = Average heat rate points awarded/deducted for unit i

Weighting factors and point values are listed on page 4.

```
GPIP =
           1.89%
                        (BB 1 EAP) +
                                         4.41%
                                                    (BB 2 EAP) +
                                                                      3.20%
                                                                               * (BB 3 EAP)
           3.32%
                       (BB 4 EAP) +
                                        0.76%
                                                    (PK 1 EAP) +
                                                                      4.12%
                                                                               * (BAY 1 EAP)
           8.44%
                       (BAY 2 EAP) +
                                        6.90%
                                                   (BB 1 AHRP) +
                                                                     12.47%
                                                                               * (BB 2 AHRP)
                                                * (BB 4 AHRP) +
                                                                               * (PK 1 AHRP)
           6.59%
                    * (BB 3 AHRP) +
                                        13.12%
                                                                      6.51%
           14.36%
                    * (BAY 1 AHRP) +
                                        13.89%
                                                 * (BAY 2 AHRP)
GPIP =
           1.89%
                          0.895
                                        4.41%
                                                      -10.000
                                                                      3.20%
                                                                                   -10.000
                                                 *
           3.32%
                          -5.171
                                        0.76%
                                                       10.000
                                                                     4.12%
                                                                                    10.000
           8.44%
                          6.298
                                        6.90%
                                                       0.000
                                                                     12.47%
                                                                                    1.863
           6.59%
                          10.000
                                                                     6.51%
                                        13.12%
                                                       4.609
                                                                                    9.342
           14.36%
                          -5.553
                                        13.89%
                                                       -9.803
GPIP =
                   0.017
                                                 -0.441
                                                                             -0.320
                   -0.172
                                                 0.076
                                                                             0.412
                                                                             0.232
                   0.532
                                                 0.000
                                                 0.605
                                                                             0.608
                   0.659
                   -0.798
                                                 -1.362
```

REWARD/PENALTY dollar amounts of the Generating Performance Incentive Factor (GPIF) are determined directly from the table for the corresponding Generating Performance Points (GPIP) on page 2.

GPIF REWARD = \$47,392

0.050 POINTS

GPIP =

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GPIF 2016 FINAL TRUE-UP
DOCUMENT NO. 2

EXHIBIT TO THE TESTIMONY OF BRIAN S. BUCKLEY

DOCKET NO. 170001-EI

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2016 - DECEMBER 2016

TRUE-UP

DOCUMENT NO. 2

ACTUAL UNIT PERFORMANCE DATA

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2016 - DECEMBER 2016

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 1	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	48.0	77.4	91.8	61.7	68.4	88.4	93.3	98.1	94.9	75.7	94.1	63.5	79.6
, ,													
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	364.7	569.8	683.5	445.7	516.4	720.0	744.0	744.0	702.8	587.0	532.4	499.4	7,109.7
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146.3	0.0	146.3
5. UH	379.3	126.2	59.5	274.3	227.6	0.0	0.0	0.0	17.2	157.0	42.3	244.6	1,528.1
6. POH	0.0	0.0	0.0	274.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	244.6	518.9
7. FOH	379.3	126.2	59.5	0.0	227.6	0.0	0.0	0.0	17.2	157.0	0.0	0.0	966.9
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.3	0.0	42.3
9. PFOH	30.9	94.0	15.9	9.8	10.9	108.4	507.8	0.0	34.0	50.1	0.0	56.9	918.6
10. LR PF (MW)	94.0	131.7	23.5	18.8	161.5	28.8	30.4	0.0	217.3	180.0	0.0	189.9	69.0
11. PMOH	0.0	0.3	1.0	1.4	6.7	408.4	133.3	21.9	1.0	1.0	0.3	0.0	575.3
12. LR PM (MW)	0.0	206.9	214.4	195.0	169.0	70.9	28.7	249.8	216.4	216.9	216.0	0.0	70.3
13. NSC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.0
14. OPR BTU(GBTU)	894.3	1,684.9	1,958.1	1,221.2	1,991.4	2,459.8	2,435.2	2,421.1	2,180.5	1,704.3	1,427.7	1,473.0	21,851.3
15. NET GEN (MWH)	82,135	157,430	181,868	113,374	184,974	230,382	223,155	217,261	195,902	151,866	124,952	133,340	1,996,639
16. ANOHR (BTU/KWH)	10,888.1	10,702.4	10,766.4	10,771.3	10,765.8	10,676.9	10,912.4	11,143.7	11,130.5	11,222.7	11,425.7	11,046.9	10,944.0
17. NOF (%)	57.0	69.9	67.4	66.1	93.0	83.1	77.9	75.8	72.4	67.2	61.0	67.6	72.4
18. NPC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
19. ANOHR EQUATION	ANOHR =	NOF (-16.	.86) + (12,21	9)									

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BIG BEND 2	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	76.7	8.4	68.3	0.0	0.0	36.8	95.6	86.2	62.4	67.8	91.9	59.6	54.8
2. PH	744	696	743	720	744	720	744		720	744	721	744	8,784
3. SH	595.3	59.5	570.0	0.0	0.0	353.5	717.0		489.2	585.8	613.7	496.1	5,154.7
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0		0.0	79.5
5. UH	148.7	636.5	173.0	720.0	744.0	366.5	27.0	69.4	230.8	158.2	27.8	247.9	3,549.8
6. POH	0.0	0.0	173.0	720.0	744.0	90.0	0.0	0.0	0.0	0.0	0.0	247.9	1,974.9
7. FOH	148.7	636.5	0.0	0.0	0.0	276.5	27.0	69.4	230.8	158.2	0.0	0.0	1,547.1
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	0.0	27.8
9. PFOH	220.2	20.0	519.3	0.0	0.0	137.8	22.3	274.0	450.3	462.0	234.0	468.6	2,808.5
10. LR PF (MW)	31.3	21.9	43.0	0.0	0.0	246.9	15.1	37.5	34.2	67.9	49.7	44.3	54.6
11. PMOH	144.3	0.0	50.7	0.0	0.0	0.0	8.4	11.7	0.0	0.2	0.7	0.0	215.8
12. LR PM (MW)	19.5	0.0	45.9	0.0	0.0	0.0	230.1	216.0	0.0	178.4	216.0	0.0	45.2
13. NSC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
14. OPR BTU(GBTU)	1,571.3	211.3	1,598.4	0.0	0.0	872.0	2,560.0	2,292.2	1,484.7	1,772.6	1,690.4	1,692.0	15,744.9
15. NET GEN (MWH)	138,943	18,535	144,508	0	0	83,401	253,184	221,287	139,783	159,715	148,516	159,739	1,467,611
16. ANOHR (BTU/KWH)	11,308.6	11,401.7	11,060.9	0.0	0.0	10,455.5	10,111.1	10,358.3	10,621.5	11,098.8	11,382.1	10,592.3	10,728.0
17. NOF (%)	59.1	78.9	64.2	0.0	0.0	61.3	91.7	85.2	74.2	70.8	62.9	81.5	73.3
18. NPC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
19. ANOHR EQUATION	ANOHR =	NOF (-21.	73) + (12,462	2)									

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BIG BEND 3	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	37.8	11.3	53.5	59.3	74.2	52.7	44.6	53.0	49.6	85.4	56.7	65.7	53.9
2. PH	744	696	743	720	744	720	744	744	720			744	8,784
3. SH	201.7	158.5	660.2	675.6	556.3	622.7	476.6	572.3		743.1		664.1	6,303.7
4. RSH	176.3	0.0	71.5	0.0	0.0	0.0	0.0	0.0		0.0		0.0	247.8
5. UH	366.0	537.5	11.3	44.4	187.8	97.3	267.4	171.7	203.3	0.9	265.2	79.9	2,232.5
6. POH	313.0	537.5	0.0	0.0	0.0	0.0	0.0	169.0	82.9	0.0	0.0	0.0	1,102.4
7. FOH	53.0	0.0	0.0	44.4	187.8	97.3	267.4	2.7	120.4	0.9	188.4	79.9	1,042.0
8. MOH	0.0	0.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.8	0.0	88.1
9. PFOH	145.2	158.5	660.2	561.0	91.1	587.6	476.6	572.3	516.7	729.8	452.0	575.1	5,525.9
10. LR PF (MW)	266.6	202.4	202.4	175.1	9.4	163.2	120.1	122.9	122.3	58.3	40.9	120.4	130.4
11. PMOH	0.0	0.0	0.0	0.0	9.2	0.4	0.0	0.0	0.0	0.7	0.0	4.8	15.0
12. LR PM (MW)	0.0	0.0	0.0	0.0	84.0	164.7	0.0	0.0	0.0	112.9	0.0	197.6	123.3
13. NSC (MW)	400.0	400.0	400.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	400.0	396.3
14. OPR BTU(GBTU)	405.2	234.4	1,060.7	1,369.2	2,157.6	1,497.2	1,349.8	1,617.1	1,423.2	2,409.5	1,176.2	1,868.7	16,568.7
15. NET GEN (MWH)	34,135	21,494	100,847	131,589	204,773	139,051	122,309	148,589	129,000	228,928	111,580	171,065	1,543,360
16. ANOHR BTU/KWH	11,871.9	10,904.0	10,518.1	10,404.8	10,536.7	10,767.1	11,035.9	10,882.8	11,032.3	10,525.2	10,541.4	10,923.7	10,735.0
17. NOF (%)	42.3	33.9	38.2	49.3	93.2	56.5	65.0	65.7	63.2	78.0	62.0	64.4	61.8
18. NPC (MW)	400.0	400.0	400.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	400.0	396.7
19. ANOHR EQUATION	ANOHR =	NOF (-21.	73) + (12,46	2)									

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BIG BEND 4	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	92.7	73.4	63.1	68.1	92.3	63.4	74.2	69.6	89.7	84.2	44.8	62.2	73.2
2. PH	744		743		744		744	744				744	8,784
3. SH	744.0	648.9	469.6	551.0	691.5	600.3	640.3	536.7	720.0	737.2	268.1	709.4	7,317.0
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153.0	0.0	153.0
5. UH	0.0	47.1	273.4	169.0	52.5	119.7	103.8	207.3	0.0	6.8	299.9	34.6	1,314.0
6. POH	0.0	47.1	273.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	264.7	0.0	585.2
7. FOH	0.0	0.0	0.0	0.0	1.6	0.0	20.7	207.3	0.0	6.8	9.5	34.6	280.5
8. MOH	0.0	0.0	0.0	169.0	50.9	119.7	83.0	0.0	0.0	0.0	25.7	0.0	448.3
9. PFOH	379.2	627.7	0.0	279.5	35.2	474.0	617.2	281.8	562.4	711.9	24.2	701.6	4,694.9
10. LR PF (MW)	61.5	93.0	0.0	83.3	47.4	132.8	62.4	29.2	52.4	62.5	232.6	152.6	85.8
11. PMOH	4.5	10.9	1.4	12.6	1.5	0.0	0.0	0.0	12.1	25.3	243.9	7.3	319.4
12. LR PM (MW)	138.8	241.0	228.0	255.9	220.0	0.0	0.0	0.0	254.2	154.9	153.2	250.8	166.8
13. NSC (MW)	442.0	442.0	442.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	442.0	438.8
14. OPR BTU(GBTU)	2,255.9	1,823.9	1,126.6	1,536.5	2,677.9	1,911.2	2,403.1	2,274.3	2,775.6	2,558.5	590.6	2,010.0	23,944.1
15. NET GEN (MWH)	215,861	178,896	102,685	149,165	255,872	184,528	230,994	214,424	257,688	246,498	52,412	186,896	2,275,919
16. ANOHR BTU/KWH	10,450.6	10,195.3	10,971.8	10,300.7	10,465.7	10,357.4	10,403.3	10,606.3	10,771.0	10,379.4	11,268.4	10,754.8	10,521.0
17. NOF (%)	65.6	62.4	49.5	61.9	84.7	70.3	82.6	91.4	81.9	76.5	44.7	59.6	70.9
18. NPC (MW)	442.0	442.0	442.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	442.0	438.7
19. ANOHR EQUATION	ANOHR =	NOF (-13	.92) + (11,72	25)									

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POLK 1	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	100.0	92.3	84.0	74.2	10.2	98.1	97.2	99.4	99.9	83.9	88.4	63.4	82.4
. ,													
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	744.0	599.4	624.2	534.2	75.7	657.2	723.4	739.6	719.1	624.1	637.3	471.4	7,149.6
4. RSH	0.0	42.8	0.0	0.0	0.0	49.4	0.0	0.0	0.0	0.0	0.0	0.0	92.2
5. UH	0.0	53.8	118.8	185.8	668.3	13.4	20.6	4.4	0.9	119.9	83.7	272.6	1,542.2
6. POH	0.0	0.0	0.0	178.8	635.0	0.0	0.0	0.0	0.0	0.0	83.7	272.6	1,170.0
7. FOH	0.0	38.0	118.8	7.1	33.4	13.4	20.6	4.4	0.9	4.3	0.0	0.0	240.8
8. MOH	0.0	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115.6	0.0	0.0	131.4
9. PFOH	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
10. LR PF (MW)	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
11. PMOH	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
12. LR PM (MW)	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
13. NSC (MW)	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
14. OPR BTU(GBTU)	1,618.4	1,270.0	1,400.2	1,131.8	94.1	1,249.0	1,550.3	1,518.9	1,542.0	1,144.8	1,070.1	964.1	14,553.8
15. NET GEN (MWH)	164,199	127,694	137,804	118,079	2,883	131,352	158,410	151,850	151,392	120,540	114,322	97,650	1,476,175
16. ANOHR BTU/KWH	9,856.5	9,945.4	10,160.7	9,585.3	32,651.4	9,509.1	9,786.9	10,002.8	10,185.4	9,496.9	9,360.1	9,873.3	9,859.0
17. NOF (%)	100.3	96.8	100.3	100.5	17.3	90.9	99.5	93.3	95.7	87.8	81.5	94.2	93.8
18. NPC (MW)	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
19. ANOHR EQUATION	ANOHR =	NOF (-22	.73) + (12,32	27)									

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BAYSIDE UNIT 1	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	100.0	61.5	99.7	99.3	98.4	96.6	100.0	99.8	97.7	25.3	0.0	57.5	78.1
2. PH	744		743	720		720						744	8,784
3. SH	744.0	444.6	743.0	718.4	744.0	720.0	744.0	744.0	720.0	210.6	0.0	454.0	6,986.6
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.5
5. UH	0.0	251.4	0.0	1.6	0.0	0.0	0.0	0.0	0.0	533.4	721.0	285.5	1,792.9
6. POH	0.0	251.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	533.4	721.0	251.6	1,757.4
7. FOH	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.7	34.2
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
9. PFOH	0.2	0.1	7.1	2.1	36.7	0.0	0.0	6.5	1.8	0.0	0.0	152.9	207.3
10. LR PF (MW)	0.0	264.0	264.0	233.7	233.7	0.0	0.0	190.0	233.7	0.0	0.0	108.2	140.6
11. PMOH	0.0	49.3	0.0	9.2	0.0	74.3	0.0	0.0	46.9	67.0	0.0	666.8	913.5
12. LR PM (MW)	0.0	264.0	0.0	233.7	0.0	233.7	0.0	0.0	233.7	233.7	0.0	11.7	73.3
13. NSC (MW)	792.0	792.0	792.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	792.0	732.1
14. OPR BTU(GBTU)	2,779.5	1,731.3	2,788.1	2,819.1	2,446.0	2,617.3	2,738.8	2,565.4	2,592.9	630.6	0.0	908.9	24,617.8
15. NET GEN (MWH)	377,266	231,967	368,785	376,751	332,398	351,323	366,732	342,562	334,034	82,689	0	117,179	3,281,686
16. ANOHR (BTU/KWH)	7,367.4	7,463.4	7,560.2	7,482.7	7,358.5	7,449.8	7,468.0	7,488.8	7,762.4	7,626.4	0.0	7,756.8	7,502.0
17. NOF (%)	64.0	65.9	62.7	74.8	63.7	69.6	70.3	65.7	66.2	56.0	0.0	32.6	64.2
18. NPC (MW)	792.0	792.0	792.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	792.0	731.3
19. ANOHR EQUATION	ANOHR =	NOF (-12	.11) + (8,099))									

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BAYSIDE UNIT 2	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	98.0	84.6	49.8	94.5	99.0	91.4	99.7	99.5	46.8	93.5	98.7	94.4	87.4
2. PH	744	696			744	720	744					744	8,784
3. SH	744.0	647.6			744.0	714.0	744.0			731.3		744.0	8,131.1
4. RSH	0.0	0.0			0.0	0.0	0.0			2.2		0.0	2.2
5. UH	0.0	48.4	255.2	8.7	0.0	6.0	0.0	0.0	322.0	10.5	0.0	0.0	650.8
6. POH	0.0	48.4	255.2	0.0	0.0	0.0	0.0	0.0	322.0	0.0	0.0	0.0	625.6
7. FOH	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
8. MOH	0.0	0.0	0.0	8.7	0.0	6.0	0.0	0.0	0.0	10.5	0.0	0.0	25.2
9. PFOH	0.3	10.3	52.3	0.0	42.0	151.9	0.0	23.1	2.1	124.0	12.3	168.0	586.2
10. LR PF (MW)	261.8	261.8	261.8	0.0	2.5	232.3	0.0	145.2	232.3	232.3	232.3	261.8	224.0
11. PMOH	58.6	224.5	478.0	123.3	29.1	72.8	8.8	0.0	61.9	28.8	24.8	0.0	1,110.6
12. LR PM (MW)	261.8	261.8	229.5	232.3	232.3	232.3	232.3	0.0	907.8	232.3	232.3	0.0	276.2
13. NSC (MW)	1,047.0	1,047.0	1,047.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	1,047.0	967.1
14. OPR BTU(GBTU)	3,309.0	3,268.2	1,691.6	3,466.5	3,112.4	3,215.3	3,033.8	3,040.1	1,276.0	2,886.3	3,714.0	2,727.5	34,740.9
15. NET GEN (MWH)	448,880	437,523	218,662	459,495	420,466	430,613	402,670	403,380	163,358	362,913	436,801	349,652	4,534,413
16. ANOHR (BTU/KWH)	7,371.7	7,469.7	7,736.1	7,544.1	7,402.3	7,466.9	7,534.2	7,536.6	7,811.1	7,953.2	8,502.8	7,800.7	7,662.0
17. NOF (%)	57.6	64.5	42.8	69.5	60.8	64.9	58.3	58.4	44.2	53.4	65.2	44.9	57.7
18. NPC (MW)	1,047.0	1,047.0	1,047.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	1,047.0	968.3
19. ANOHR EQUATION	ANOHR =	NOF (-8.6	88) + (7,949))									

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DOCKET NO. 170001-EI
DOCUMENT NO. 2
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