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March 15, 2019

VIA: ELECTRONIC FILING

Mr. Adam J. Teitzman
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. 20180001-EI

Dear Mr. Teitzman:

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 2018.

2. Prepared Direct Testimony and Exhibit (BSB-1) of Brian S. Buckley regarding Generating Performance Incentive Factor True-Up for the period January 2018 through December 2018.

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 2019 to the following:

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ATTORNEY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and Purchased Power Cost Recovery Clause and Generating Performance Incentive Factor.	))))	DOCKET NO. 20190001-EI FILED: March 15, 2019

TAMPA ELECTRIC COMPANY'S PETITION FOR APPROVAL OF GENERATING PERFORMANCE INCENTIVE FACTOR RESULTS FOR THE TWELVE MONTH PERIOD ENDING DECEMBER 2018

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 2018. In support of this Petition, Tampa Electric states as follows:

1. By Order No. PSC-2018-0610-FOF-EI, dated December 26, 2018, the Commission approved Tampa Electric's GPIF targets for the period January 2018 through December 2018. The application of the GPIF formula to the performance of the company's GPIF units during that period produces a reward of $4,141,330. 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 $4,141,330 as its GPIF reward for the period ending December 2018 and authorize the inclusion of this amount in the calculation of Tampa Electric's fuel factors for the period beginning January 2020.

DATED this 15th day of March 2019.

Respectfully submitted,

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ATTORNEYS FOR TAMPA ELECTRIC COMPANY

CERTIFICATE OF SERVICE

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ATTORNEY

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 20190001-EI
IN RE: FUEL & PURCHASED POWER COST RECOVERY
AND
CAPACITY COST RECOVERY

GENERATING PERFORMANCE INCENTIVE FACTOR
TRUE-UP
JANUARY 2018 THROUGH DECEMBER 2018

TESTIMONY AND EXHIBIT
OF
BRIAN S. BUCKLEY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

BRIAN S. BUCKLEY

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

A. My name is Brian S. Buckley. My business address is 702 North Franklin Street, Tampa, Florida 33602. I am employed by Tampa Electric Company ("Tampa Electric" or "company") in the position of Manager, Unit Commitment.

Q. Please provide a brief outline of your educational background and business experience.

A. I received a Bachelor of Science degree in Mechanical Engineering in 1997 from the Georgia Institute of Technology and a Master of Business Administration from the University of South Florida in 2003. I am a registered Professional Engineer in the state of Florida, and I have accumulated 20 years of electric utility work experience. I began my career with Tampa Electric in 1999 as an Engineer in Plant Technical Services and have held various engineering positions at Tampa Electric's power generating stations and in the Operations

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 current responsibilities. In 2017, I was promoted to Manager, Unit Commitment, where I am responsible for portfolio optimization of Tampa Electric's generation assets.

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 2018 through December 2018. 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 2018 period.

Q. Which generating units on Tampa Electric's system are included in the determination of the GPIF?

A. Big Bend Units 2 through 4, Polk Units 1 and 2 and Bayside Units 1 and 2 are included in the calculation of the GPIF.

Q. Have you calculated the results of Tampa Electric's performance under the GPIF during the January 2018 through December 2018 period?

A. Yes, I have. This is shown on Document No. 1, page 4 of 32. Based upon 4.464 Generating Performance Incentive Points ("GPIP"), the result is a reward amount of $4,141,330 for the period.

Q. Please proceed with your review of the actual results for the January 2018 through December 2018 period.

A. On Document No. 1, page 3 of 32, the actual average common equity for the period is shown on line 14 as $2,763,199,709. This produces the maximum penalty or reward amount of $9,277,090 as shown on line 23.

Q. 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. 2

On this unit, 575.0 planned outage hours were originally scheduled for 2018. Actual outage activities required 1,682.2 planned outage hours. Consequently, the actual equivalent

availability of 70.0 percent is adjusted to 80.9 percent as shown on Document No. 1, page 7 of 32.

Big Bend Unit No. 3

On this unit, 576.0 planned outage hours were originally scheduled for 2018. Actual outage activities required 470.8 planned outage hours. Consequently, the actual equivalent availability of 76.5 percent is adjusted to 75.5 percent as shown on Document No. 1, page 8 of 32.

Big Bend Unit No. 4

On this unit, 576.0 planned outage hours were originally scheduled for 2018. Actual outage activities required 1,676.7 planned outage hours. Consequently, the actual equivalent availability of 60.2 percent is adjusted to 69.5 percent as shown on Document No. 1, page 9 of 32.

Polk Unit No. 1

On this unit, 1,512.0 planned outage hours were originally scheduled for 2018. Actual outage activities required 2,460.1 planned outage hours. Consequently, the actual equivalent availability of 60.7 percent is adjusted to 69.8 percent, as shown on Document No. 1, page 10 of 32.

Polk Unit No. 2

On this unit, 505.0 planned outage hours were originally scheduled for 2018. Actual outage activities required 175.3 planned outage hours. Consequently, the actual equivalent availability of 93.8 percent is adjusted to 90.1 percent, as shown on Document No. 1, page 11 of 32.

Bayside Unit No. 1

On this unit, 1,297.0 planned outage hours were originally scheduled for 2018. Actual outage activities required 468.3 planned outage hours. Consequently, the actual equivalent availability of 93.0 percent is adjusted to 83.7 percent, as shown on Document No. 1, page 12 of 32.

Bayside Unit No. 2

On this unit, 1,631.0 planned outage hours were originally scheduled for 2018. Actual outage activities required 1,718.0 planned outage hours. Consequently, the actual equivalent availability of 77.1 percent is adjusted to 78.0 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 incorporated in 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 incorporated in 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 2018 through December 2018 period?

A. This is shown on Document No. 1, page 2 of 32. 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 of 4.464 is located in the GPIF table on page 2 of 32, and the reward amount of $4,141,330 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 $9,277,090, as shown in Document No. 1, pages 2 and 3.

Q. Does this conclude your testimony?

A. Yes, it does.

GENERATING PERFORMANCE INCENTIVE FACTOR

INDEX

EXHIBIT NO. ___ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 20190001-EI
GPIF 2018 FINAL TRUE-UP
DOCUMENT NO. 1

EXHIBIT TO THE TESTIMONY OF

BRIAN S. BUCKLEY

DOCKET NO. 20190001-EI

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2018 – DECEMBER 2018

TRUE-UP

DOCUMENT NO. 1

GPIF SCHEDULES

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2018 - DECEMBER 2018
TRUE-UP
TABLE OF CONTENTS

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE - ACTUAL
JANUARY 2018 - DECEMBER 2018

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) ($000)	GENERATING PERFORMANCE INCENTIVE FACTOR ($000)
+10	29,243.7	9,277.1
+9	26,319.4	8,349.4
+8	23,395.0	7,421.7
+7	20,470.6	6,494.0
+6	17,546.2	5,566.3
+5	14,621.9	4,638.5
+4	11,697.5	3,710.8
+3	8,773.1	2,783.1
+2	5,848.7	1,855.4
+1	2,924.4	927.7
0	0.0	0.0
-1	(3,224.6)	(927.7)
-2	(6,449.2)	(1,855.4)
-3	(9,673.8)	(2,783.1)
-4	(12,898.4)	(3,710.8)
-5	(16,123.0)	(4,638.5)
-6	(19,347.6)	(5,566.3)
-7	(22,572.2)	(6,494.0)
-8	(25,796.8)	(7,421.7)
-9	(29,021.4)	(8,349.4)
-10	(32,246.0)	(9,277.1)

GPI POINTS 4.464

REWARD DOLLARS $4,141,330

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS - ACTUAL
JANUARY 2018 - DECEMBER 2018

Line 1	Beginning of period balance of common equity: End of month common equity:		$	2,586,157,995
Line 2	Month of January	2018	$	2,608,445,827
Line 3	Month of February	2018	$	2,639,830,563
Line 4	Month of March	2018	$	2,651,365,755
Line 5	Month of April	2018	$	2,670,627,705
Line 6	Month of May	2018	$	2,736,677,421
Line 7	Month of June	2018	$	2,767,425,947
Line 8	Month of July	2018	$	2,801,892,170
Line 9	Month of August	2018	$	2,877,297,250
Line 10	Month of September	2018	$	2,912,895,991
Line 11	Month of October	2018	$	2,945,089,060
Line 12	Month of November	2018	$	2,856,484,621
Line 13	Month of December	2018	$	2,867,405,914
Line 14	(Summation of line 1 through line 13 divided by 13)		$	2,763,199,709
Line 15	25 Basis points			0.0025
Line 16	Revenue Expansion Factor			74.46%
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)		$	9,277,090
Line 18	Jurisdictional Sales			19,631,464 MWH
Line 19	Total Sales			19,631,464 MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)			100.00%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)		$	9,277,090
Line 22	Incentive Cap (50% of projected fuel savings at 10 GPIF-Point level from Sheet No. 3.515)		$	14,621,867
Line 23	**Maximum Allowed GPIF Reward (At 10 GPIF-Point Level; the lesser of line 21 and line 22)**		**$**	**9,277,090**

TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS - ACTUAL
JANUARY 2018 - DECEMBER 2018

PLANT / UNIT	12 MONTH ADJ. ACTUAL PERFORMANCE		WEIGHTING FACTOR %	UNIT POINTS	WEIGHTED UNIT POINTS
BIG BEND 2	80.9%	EAF	2.11%	10.000	0.211
BIG BEND 3	75.5%	EAF	3.69%	10.000	0.369
BIG BEND 4	69.5%	EAF	5.04%	-10.000	-0.504
POLK 1	69.8%	EAF	0.72%	-9.150	-0.066
POLK 2	90.1%	EAF	4.82%	10.000	0.482
BAYSIDE 1	83.7%	EAF	2.63%	9.183	0.242
BAYSIDE 2	78.0%	EAF	5.15%	3.816	0.196
BIG BEND 2	11,166	ANOHR	2.66%	1.969	0.052
BIG BEND 3	10,841	ANOHR	4.95%	-5.018	-0.249
BIG BEND 4	10,610	ANOHR	7.34%	-2.821	-0.207
POLK 1	10,721	ANOHR	3.52%	-10.000	-0.352
POLK 2	6,800	ANOHR	45.28%	10.000	4.528
BAYSIDE 1	7,455	ANOHR	5.98%	-4.000	-0.239
BAYSIDE 2	7,528	ANOHR	6.11%	0.000	0.000
			100.00%		4.464

GPIF REWARD	**$ 4,141,330**

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	WEIGHTING FACTOR (%)	EAF TARGET (%)	EAF MAX. (%)	RANGE MIN. (%)	MAX. FUEL SAVINGS ($000)	MAX. FUEL LOSS ($000)	EAF ADJUSTED ACTUAL (%)	EST. FUEL SAVINGS/ LOSS ($000)
BIG BEND 2	2.11%	61.51	68.2	48.1	615.6	(1,077.7)	80.9%	615.6
BIG BEND 3	3.69%	66.72	72.4	55.4	1,079.4	(3,189.4)	75.5%	1,079.4
BIG BEND 4	5.04%	78.68	82.0	72.1	1,473.1	(1,845.8)	69.5%	(1,845.8)
POLK 1	0.72%	74.43	77.0	69.4	211.9	(380.9)	69.8%	(348.5)
POLK 2	4.82%	83.22	85.7	78.2	1,408.9	(1,372.7)	90.1%	1,408.9
BAYSIDE 1	2.63%	82.53	83.8	80.0	770.2	(385.1)	83.7%	707.3
BAYSIDE 2	5.15%	77.34	79.1	73.9	1,505.7	(1,815.5)	78.0%	574.6
GPIF SYSTEM	**24.16%**				**7,064.8**	**(10,067.0)**		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	WEIGHTING FACTOR (%)	ANOHR (Btu/kwh)	TARGET NOF (%)	ANOHR TARGET RANGE MIN.	ANOHR TARGET RANGE MAX.	MAX. FUEL SAVINGS ($000)	MAX. FUEL LOSS ($000)	ACTUAL ADJUSTED ANOHR	EST. FUEL SAVINGS/ LOSS ($000)
BIG BEND 2	2.66%	11,320	60.3	10,843	11,798	778.3	(778.3)	11,166	153.3
BIG BEND 3	4.95%	10,619	80.8	10,252	10,987	1,448.4	(1,448.4)	10,841	(726.9)
BIG BEND 4	7.34%	10,448	86.4	10,066	10,830	2,146.5	(2,146.5)	10,610	(605.6)
POLK 1	3.52%	9,978	99.1	9,644	10,312	1,028.0	(1,028.0)	10,721	(1,028.0)
POLK 2	45.28%	7,382	76.4	6,827	7,936	13,242.8	(13,242.8)	6,800	13,242.8
BAYSIDE 1	5.98%	7,343	62.8	7,176	7,510	1,749.5	(1,749.5)	7,455	(699.8)
BAYSIDE 2	6.11%	7,471	52.3	7,277	7,665	1,785.6	(1,785.6)	7,528	0.0
GPIF SYSTEM	**75.84%**					**22,178.9**	**(22,178.9)**		

TAMPA ELECTRIC COMPANY
UNIT PERFORMANCE DATA - ACTUAL
JANUARY 2018 - DECEMBER 2018

PLANT / UNIT	ACTUAL EAF (%)	ADJUSTMENTS (1) TO EAF (%)	EAF ADJUSTED ACTUAL (%)
BIG BEND 2	70.0	10.9	80.9
BIG BEND 3	76.5	-1.0	75.5
BIG BEND 4	60.2	9.3	69.5
POLK 1	60.7	9.1	69.8
POLK 2	93.8	-3.7	90.1
BAYSIDE 1	93.0	-9.3	83.7
BAYSIDE 2	77.1	0.9	78.0

PLANT / UNIT	ACTUAL ANOHR (Btu/kwh)	ADJUSTMENTS (2) TO ANOHR (Btu/kwh)	ANOHR ADJUSTED ACTUAL (Btu/kwh)
BIG BEND 2	11,522	-356	11,166
BIG BEND 3	11,162	-321	10,841
BIG BEND 4	10,740	-130	10,610
POLK 1	10,373	348	10,721
POLK 2	6,787	13	6,800
BAYSIDE 1	7,473	-18	7,455
BAYSIDE 2	7,537	-9	7,528

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

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 2
JANUARY 2018 - DECEMBER 2018

WEIGHTING FACTOR = 2.11%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,760.0	8,760.0	8,760.0
EAF	61.5	70.0	80.9
POH	575.0	1,682.2	575.0
FOH + EFOH	2,670.1	298.0	344.6
MOH + EMOH	126.8	646.9	748.1
POF	6.6	19.2	6.6
EFOF	30.5	3.4	3.9
EMOF	1.4	7.4	8.5
	10.000	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 575}{8760 - 1682.2} \times (298 + 646.9) = 1{,}092.7$$

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

$$100 - 6.6 - \frac{1{,}092.7}{8{,}760.0} \times 100 = 80.9$$

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
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 3
JANUARY 2018 - DECEMBER 2018

WEIGHTING FACTOR = 3.69%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,760.0	8,760.0	8,760.0
EAF	66.7	76.5	75.5
POH	576.0	470.8	576.0
FOH + EFOH	2,206.1	1,235.2	1,219.5
MOH + EMOH	133.4	355.2	350.7
POF	6.6	5.4	6.6
EFOF	25.2	14.1	13.9
EMOF	1.5	4.1	4.0
	10.000	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 576}{8760 - 470.8} \times (1235.2 + 355.2) = 1,570.2$$

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

$$100 - 6.6 - \frac{1,570.2}{8,760.0} \times 100 = 75.5$$

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
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 4
JANUARY 2018 - DECEMBER 2018

WEIGHTING FACTOR = 5.04%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,760.0	8,760.0	8,760.0
EAF	78.7	60.2	69.5
POH	576.0	1,676.7	576.0
FOH + EFOH	981.1	1,608.9	1,858.9
MOH + EMOH	311.0	201.7	233.0
POF	6.6	19.1	6.6
EFOF	11.2	18.4	21.2
EMOF	3.6	2.3	2.7
	-10.000	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 576}{8760 - 1676.7} \times (1608.9 + 201.7) = 2{,}092.0$$

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

$$100 - 6.6 - \frac{2{,}092.0}{8{,}760.0} \times 100 = 69.5$$

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
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
POLK UNIT NO. 1
JANUARY 2018 - DECEMBER 2018

WEIGHTING FACTOR = 0.72%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,760.0	8,760.0	8,760.0
EAF	74.4	60.7	69.8
POH	1,512.0	2,460.1	1,512.0
FOH + EFOH	626.8	849.1	976.9
MOH + EMOH	101.4	129.6	149.1
POF	17.3	28.1	17.3
EFOF	7.2	9.7	11.2
EMOF	1.2	1.5	1.7
	-9.150	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 1512}{8760 - 2460.1} \times (849.1 + 129.6) = 1{,}126.0$$

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

$$100 - 17.3 - \frac{1126.0}{8{,}760.0} \times 100 = 69.8$$

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
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
POLK UNIT NO. 2
JANUARY 2018 - DECEMBER 2018

WEIGHTING FACTOR = 4.82%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,760.0	8,760.0	8,760.0
EAF	83.2	93.8	90.1
POH	505.0	175.3	505.0
FOH + EFOH	521.9	109.3	105.1
MOH + EMOH	442.9	261.3	251.3
POF	5.8	2.0	5.8
EFOF	6.0	1.2	1.2
EMOF	5.1	3.0	2.9
	10.000	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 505}{8760 - 175.3} \times (109.3 + 261.3) = 356.4$$

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

$$100 - 5.8 - \frac{356.4}{8,760.0} \times 100 = 90.1$$

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
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BAYSIDE UNIT NO. 1
JANUARY 2018 - DECEMBER 2018

WEIGHTING FACTOR = 2.63%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,760.0	8,760.0	8,760.0
EAF	82.5	93.0	83.7
POH	1,297.0	468.3	1,297.0
FOH + EFOH	98.7	21.3	19.2
MOH + EMOH	134.6	127.5	114.8
POF	14.8	5.3	14.8
EFOF	1.1	0.2	0.2
EMOF	1.5	1.5	1.3
	9.183	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 1297}{8760 - 468.3} \times (21.3 + 127.5) = 133.9$$

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

$$100 - 14.8 - \frac{133.9}{8,760.0} \times 100 = 83.7$$

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
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BAYSIDE UNIT NO. 2
JANUARY 2018 - DECEMBER 2018

WEIGHTING FACTOR = 5.15%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,760.0	8,760.0	8,760.0
EAF	77.3	77.1	78.0
POH	1,631.0	1,718.0	1,631.0
FOH + EFOH	179.7	92.5	93.6
MOH + EMOH	174.7	197.5	199.9
POF	18.6	19.6	18.6
EFOF	2.1	1.1	1.1
EMOF	2.0	2.3	2.3
	3.816	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 1631}{8760 - 1718} \times (92.5 + 197.5) = 293.6$$

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

$$100 - 18.6 - \frac{293.6}{8,760.0} \times 100 = 78.0$$

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
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 2
JANUARY 2018 - DECEMBER 2018

WEIGHTING FACTOR = 2.66%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	11,320	11,522
NET GENERATION (GWH)	418.6	598.8
OPERATING BTU (10^9)	5,010.6	6,898.8
NET OUTPUT FACTOR	60.3	39.7

1.969 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-17.28) + 12362.43 = ANOHR

39.7 * (-17.28) + 12362.43 = 11,677

11,522 - 11,677 = -155

11,320 + -155 = 11,166 ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 3
JANUARY 2018 - DECEMBER 2018

WEIGHTING FACTOR = 4.95%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,619	11,162
NET GENERATION (GWH)	1,743.6	1,552.7
OPERATING BTU (10^9)	18,360.1	17,331.6
NET OUTPUT FACTOR	80.8	62.8

-5.018 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-17.83) + 12059.89 = ANOHR

62.8 * (-17.83) + 12059.89 = 10,940

11,162 - 10,940 = 222

10,619 + 222 = 10,841 ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 4
JANUARY 2018 - DECEMBER 2018

WEIGHTING FACTOR = 7.34%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,448	10,740
NET GENERATION (GWH)	2,524.3	2,099.1
OPERATING BTU (10^9)	26,288.8	22,545.2
NET OUTPUT FACTOR	86.4	75.9

-2.821 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-12.37) + 11517.84 = ANOHR

75.9 * (-12.37) + 11517.84 = 10,579

10,740 - 10,579 = 161

10,448 + 161 = 10,610 ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
POLK UNIT NO. 1
JANUARY 2018 - DECEMBER 2018

WEIGHTING FACTOR = 3.52%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	9,978	10,373
NET GENERATION (GWH)	1,453.0	926.4
OPERATING BTU (10^9)	14,699.4	9,609.0
NET OUTPUT FACTOR	99.1	78.1

-10.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(16.58) + 8334.23 = ANOHR

78.1 * (16.58) + 8334.23 = 9,629

10,373 - 9,629 = 744

9,978 + 744 = 10,721 ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
POLK UNIT NO. 2
JANUARY 2018 - DECEMBER 2018

WEIGHTING FACTOR = 45.28%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	7,382	6,787
NET GENERATION (GWH)	7,218.8	7,305.6
OPERATING BTU (10^9)	49,307.7	49,582.3
NET OUTPUT FACTOR	76.4	77.3

10.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-13.65) + 8424.41 = ANOHR

77.3 * (-13.65) + 8424.41 = 7,369

6,787 - 7,369 = -582

7,382 + -582 = 6,800 ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BAYSIDE UNIT NO. 1
JANUARY 2018 - DECEMBER 2018

WEIGHTING FACTOR = 5.98%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	7,343	7,473
NET GENERATION (GWH)	3,306.0	3,237.8
OPERATING BTU (10^9)	24,502.9	24,195.8
NET OUTPUT FACTOR	62.8	53.9

-4.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-1.98) + 7467.71 = ANOHR

53.9 * (-1.98) + 7467.71 = 7,361

7,473 - 7,361 = 112

7,343 + 112 = 7,455 ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BAYSIDE UNIT NO. 2
JANUARY 2018 - DECEMBER 2018

WEIGHTING FACTOR = 6.11%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	7,471	7,537
NET GENERATION (GWH)	3,017.0	3,377.2
OPERATING BTU (10^9)	23,006.7	25,454.5
NET OUTPUT FACTOR	52.3	50.3

0.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-4.67) + 7715.3 = ANOHR

50.3 * (-4.67) + 7715.3 = 7,480

7,537 - 7,480 = 57

7,471 + 57 = 7,528 ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

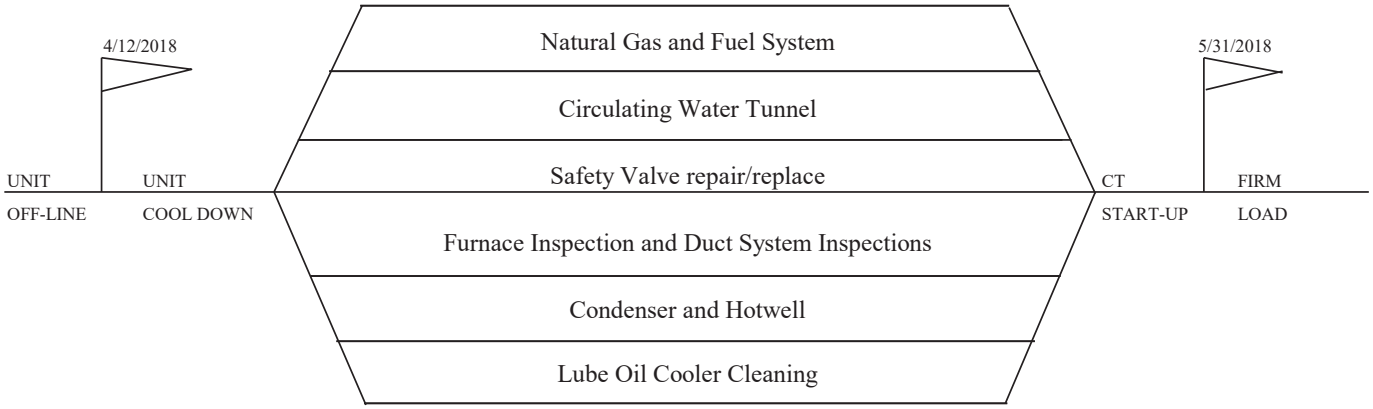
ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ACTUAL)
GPIF UNITS
JANUARY 2018 - DECEMBER 2018

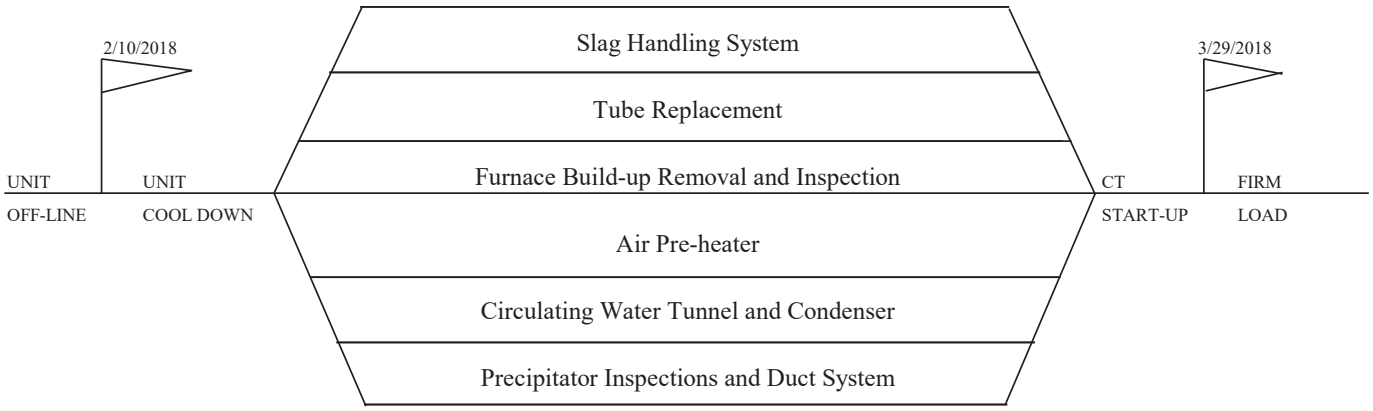
	PLANT / UNIT	PLANNED OUTAGE DATES			OUTAGE DESCRIPTION
+	BIG BEND 2	Apr 12	-	May 31	Safety Valve repair/replace, Lube Oil Cooler Cleaning, Circulating Water Tunnel, Condenser, Furnace Inspection, Duct System Inspections, Hotwell, Natural Gas and Fuel System
		Dec 01	-	Dec 21	Fuel System Cleanup and FGD/SCR work
	BIG BEND 3	Mar 17	-	Apr 05	Fuel System Cleanup and FGD/SCR work
+	BIG BEND 4	Feb 10	-	Mar 29	Furnace Build-up Removal, Furnace Inspection, Tube Replacement, Slag Handling System, Air Pre-heater, Circulating Water Tunnel, Condenser, Precipitator Inspections, and Duct System
		Nov 01	-	Nov 23	Fuel System Cleanup and FGD/SCR work
	POLK 1	Mar 04	-	Mar 10	Fuel System Cleanup
+		Sep 12	-	Dec 21	GTG Rotor Replacement, GTG Electrical Building Replacement, HRSG Harp Replacement, 1A Condenser Cooling Water Motor and Pump, ASU MAC Compressor Rotor Replacement, Generator Protection, HRSG SH and RH Attemperator Loop Replacement
	POLK 2	Feb 05	-	Feb 09	EBI and HRSG Inspections
		Nov 25	-	Nov 29	Fuel System Cleanup
	BAYSIDE 1	Apr 17	-	Apr 30	Fuel System Cleanup
		Oct 07	-	Oct 14	Fuel System Cleanup
		Nov 08	-	Nov 09	Switchyard work
+	BAYSIDE 2	Jan 31	-	Apr 13	HP/IP/LP Turbines, ST Generator, 2A/2B/2C/2D HRSG, ST Governor Valves, ST Throttle / Intercept / Reheat Stop Valves, ST Condenser and Air Removal Pump

+ **CPM for units with less than or equal to 4 weeks are not included.**

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2018 - DECEMBER 2018

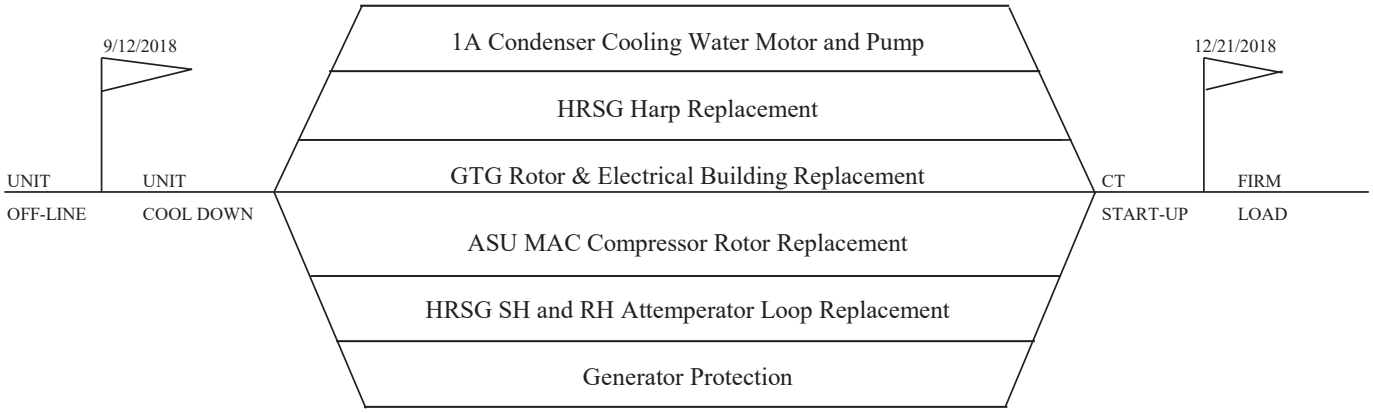


TAMPA ELECTRIC COMPANY
BIG BEND 2
PLANNED OUTAGE 2018
ACTUAL CPM

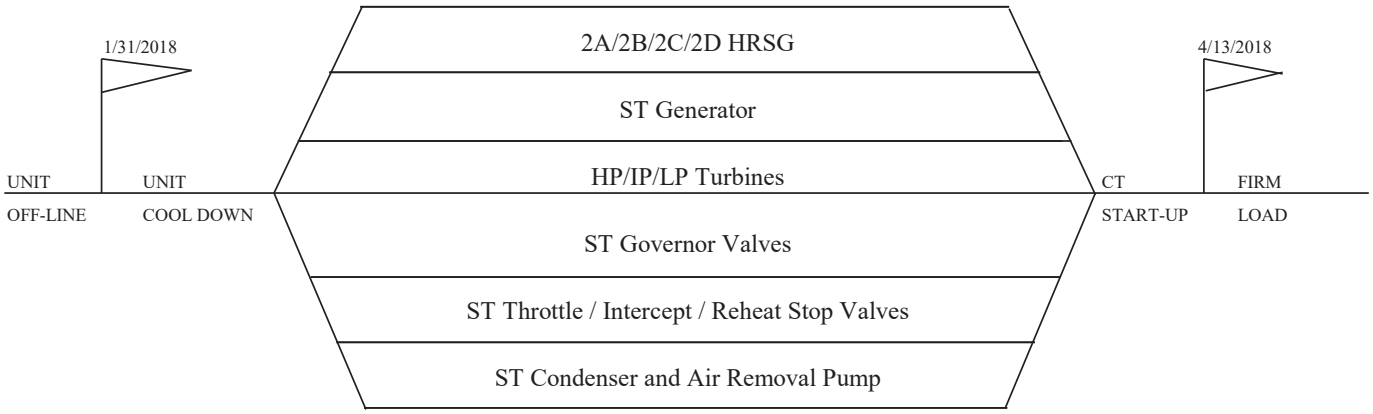


TAMPA ELECTRIC COMPANY
BIG BEND 4
PLANNED OUTAGE 2018
ACTUAL CPM

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2018 - DECEMBER 2018



TAMPA ELECTRIC COMPANY
POLK 1
PLANNED OUTAGE 2018
ACTUAL CPM



TAMPA ELECTRIC COMPANY
BAYSIDE 2
PLANNED OUTAGE 2018
ACTUAL CPM

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2018 - DECEMBER 2018

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	615.6	68.2	+10	778.3	10,843
+9	554.1	67.6	+9	700.5	10,883
+8	492.5	66.9	+8	622.6	10,923
+7	430.9	66.2	+7	544.8	10,963
+6	369.4	65.5	+6	467.0	11,004
+5	307.8	64.9	+5	389.2	11,044
+4	246.3	64.2	+4	311.3	11,084
+3	184.7	63.5	+3	233.5	11,124
+2	123.1	62.9	+2	155.7	11,165
+1	61.6	62.2	+1	77.8	11,205
					11,245
0	0.0	61.5	0	0.0	11,320
					11,395
-1	(107.8)	60.2	-1	(77.8)	11,436
-2	(215.5)	58.8	-2	(155.7)	11,476
-3	(323.3)	57.5	-3	(233.5)	11,516
-4	(431.1)	56.1	-4	(311.3)	11,556
-5	(538.9)	54.8	-5	(389.2)	11,597
-6	(646.6)	53.5	-6	(467.0)	11,637
-7	(754.4)	52.1	-7	(544.8)	11,677
-8	(862.2)	50.8	-8	(622.6)	11,717
-9	(970.0)	49.4	-9	(700.5)	11,758
-10	(1,077.7)	48.1	-10	(778.3)	11,798

EAF POINTS 10.000

Adjusted EAF 80.9

AHR POINTS 1.969

Adjusted ANOHR 11,166

Weighting Factor = 2.11%

Weighting Factor = 2.66%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2018 - DECEMBER 2018

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	1,079.4	72.4	+10	1,448.4	10,252
+9	971.4	71.8	+9	1,303.5	10,281
+8	863.5	71.3	+8	1,158.7	10,310
+7	755.6	70.7	+7	1,013.9	10,339
+6	647.6	70.1	+6	869.0	10,369
+5	539.7	69.6	+5	724.2	10,398
+4	431.7	69.0	+4	579.4	10,427
+3	323.8	68.4	+3	434.5	10,456
+2	215.9	67.9	+2	289.7	10,486
+1	107.9	67.3	+1	144.8	10,515
					10,544
0	0.0	66.7	0	0.0	10,619
					10,694
-1	(318.9)	65.6	-1	(144.8)	10,723
-2	(637.9)	64.5	-2	(289.7)	10,753
-3	(956.8)	63.3	-3	(434.5)	10,782
-4	(1,275.8)	62.2	-4	(579.4)	10,811
-5	(1,594.7)	61.0	-5	(724.2)	10,840
-6	(1,913.6)	59.9	-6	(869.0)	10,870
-7	(2,232.6)	58.8	-7	(1,013.9)	10,899
-8	(2,551.5)	57.6	-8	(1,158.7)	10,928
-9	(2,870.5)	56.5	-9	(1,303.5)	10,957
-10	(3,189.4)	55.4	-10	(1,448.4)	10,987

EAF POINTS 10.000

Adjusted EAF 75.5

AHR POINTS -5.018

Adjusted ANOHR 10,841

Weighting Factor = 3.69%

Weighting Factor = 4.95%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2018 - DECEMBER 2018

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	1,473.1	82.0	+10	2,146.5	10,066
+9	1,325.8	81.6	+9	1,931.8	10,097
+8	1,178.5	81.3	+8	1,717.2	10,128
+7	1,031.2	81.0	+7	1,502.5	10,159
+6	883.9	80.6	+6	1,287.9	10,189
+5	736.6	80.3	+5	1,073.2	10,220
+4	589.2	80.0	+4	858.6	10,251
+3	441.9	79.7	+3	643.9	10,281
+2	294.6	79.3	+2	429.3	10,312
+1	147.3	79.0	+1	214.6	10,343
					10,373
0	0.0	78.7	0	0.0	10,448
					10,523
-1	(184.6)	78.0	-1	(214.6)	10,554
-2	(369.2)	77.4	-2	(429.3)	10,585
-3	(553.7)	76.7	-3	(643.9)	10,615
-4	(738.3)	76.1	-4	(858.6)	10,646
-5	(922.9)	75.4	-5	(1,073.2)	10,677
-6	(1,107.5)	74.7	-6	(1,287.9)	10,708
-7	(1,292.0)	74.1	-7	(1,502.5)	10,738
-8	(1,476.6)	73.4	-8	(1,717.2)	10,769
-9	(1,661.2)	72.8	-9	(1,931.8)	10,800
-10	(1,845.8)	72.1	-10	(2,146.5)	10,830

EAF POINTS -10.000

Adjusted EAF 69.5

AHR POINTS -2.821

Adjusted ANOHR 10,610

Weighting Factor = 5.04%

Weighting Factor = 7.34%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2018 - DECEMBER 2018

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	211.9	77.0	+10	1,028.0	9,644
+9	190.7	76.7	+9	925.2	9,670
+8	169.6	76.4	+8	822.4	9,696
+7	148.4	76.2	+7	719.6	9,722
+6	127.2	75.9	+6	616.8	9,748
+5	106.0	75.7	+5	514.0	9,774
+4	84.8	75.4	+4	411.2	9,799
+3	63.6	75.2	+3	308.4	9,825
+2	42.4	74.9	+2	205.6	9,851
+1	21.2	74.7	+1	102.8	9,877
					9,903
0	0.0	74.4	0	0.0	9,978
					10,053
-1	(38.1)	73.9	-1	(102.8)	10,079
-2	(76.2)	73.4	-2	(205.6)	10,105
-3	(114.3)	72.9	-3	(308.4)	10,130
-4	(152.4)	72.4	-4	(411.2)	10,156
-5	(190.4)	71.9	-5	(514.0)	10,182
-6	(228.5)	71.4	-6	(616.8)	10,208
-7	(266.6)	70.9	-7	(719.6)	10,234
-8	(304.7)	70.4	-8	(822.4)	10,260
-9	(342.8)	69.9	-9	(925.2)	10,286
-10	(380.9)	69.4	-10	(1,028.0)	10,312

EAF POINTS -9.150 ← **Adjusted EAF 69.8** →

AHR POINTS -10.000 ← **Adjusted ANOHR 10.721** →

Weighting Factor = 0.72%

Weighting Factor = 3.52%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2018 - DECEMBER 2018

POLK 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	**EAF POINTS 10.000**	1,408.9	**Adjusted EAF 90.1**	85.7	+10	**AHR POINTS 10.000**	13,242.8	**Adjusted ANOHR 6,800**	6,827
+9		1,268.0		85.5	+9		11,918.5		6,875
+8		1,127.1		85.2	+8		10,594.2		6,923
+7		986.2		85.0	+7		9,269.9		6,971
+6		845.3		84.7	+6		7,945.7		7,019
+5		704.4		84.5	+5		6,621.4		7,067
+4		563.5		84.2	+4		5,297.1		7,115
+3		422.7		84.0	+3		3,972.8		7,163
+2		281.8		83.7	+2		2,648.6		7,211
+1		140.9		83.5	+1		1,324.3		7,259
									7,307
0		0.0		83.2	0		0.0		7,382
									7,457
-1		(137.3)		82.7	-1		(1,324.3)		7,505
-2		(274.5)		82.2	-2		(2,648.6)		7,553
-3		(411.8)		81.7	-3		(3,972.8)		7,601
-4		(549.1)		81.2	-4		(5,297.1)		7,648
-5		(686.3)		80.7	-5		(6,621.4)		7,696
-6		(823.6)		80.2	-6		(7,945.7)		7,744
-7		(960.9)		79.7	-7		(9,269.9)		7,792
-8		(1,098.2)		79.2	-8		(10,594.2)		7,840
-9		(1,235.4)		78.7	-9		(11,918.5)		7,888
-10		(1,372.7)		78.2	-10		(13,242.8)		7,936
Weighting Factor =				4.82%	Weighting Factor =				45.28%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2018 - DECEMBER 2018

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	770.2	83.8	+10	1,749.5	7,176
+9	693.2	83.7	+9	1,574.5	7,186
+8	616.2	83.5	+8	1,399.6	7,195
+7	539.1	83.4	+7	1,224.6	7,204
+6	462.1	83.3	+6	1,049.7	7,213
+5	385.1	83.2	+5	874.7	7,222
+4	308.1	83.0	+4	699.8	7,232
+3	231.1	82.9	+3	524.8	7,241
+2	154.0	82.8	+2	349.9	7,250
+1	77.0	82.7	+1	174.9	7,259
					7,268
0	0.0	82.5	0	0.0	7,343
					7,418
-1	(38.5)	82.3	-1	(174.9)	7,427
-2	(77.0)	82.0	-2	(349.9)	7,437
-3	(115.5)	81.8	-3	(524.8)	7,446
-4	(154.0)	81.5	-4	(699.8)	7,455
-5	(192.5)	81.3	-5	(874.7)	7,464
-6	(231.1)	81.0	-6	(1,049.7)	7,473
-7	(269.6)	80.7	-7	(1,224.6)	7,483
-8	(308.1)	80.5	-8	(1,399.6)	7,492
-9	(346.6)	80.2	-9	(1,574.5)	7,501
-10	(385.1)	80.0	-10	(1,749.5)	7,510

EAF POINTS 9.183

Adjusted EAF 83.7

AHR POINTS -4.000

Adjusted ANOHR 7,455

Weighting Factor = 2.63%

Weighting Factor = 5.98%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2018 - DECEMBER 2018

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	1,505.7	79.1	+10	1,785.6	7,277
+9	1,355.1	78.9	+9	1,607.0	7,289
+8	1,204.6	78.7	+8	1,428.4	7,301
+7	1,054.0	78.6	+7	1,249.9	7,313
+6	903.4	78.4	+6	1,071.3	7,324
+5	752.9	78.2	+5	892.8	7,336
+4	602.3	78.0	+4	714.2	7,348
+3	451.7	77.9	+3	535.7	7,360
+2	301.1	77.7	+2	357.1	7,372
+1	150.6	77.5	+1	178.6	7,384
					7,396
0	0.0	77.3	0	0.0	7,471
					7,546
-1	(181.5)	77.0	-1	(178.6)	7,558
-2	(363.1)	76.6	-2	(357.1)	7,570
-3	(544.6)	76.3	-3	(535.7)	7,582
-4	(726.2)	75.9	-4	(714.2)	7,593
-5	(907.7)	75.6	-5	(892.8)	7,605
-6	(1,089.3)	75.3	-6	(1,071.3)	7,617
-7	(1,270.8)	74.9	-7	(1,249.9)	7,629
-8	(1,452.4)	74.6	-8	(1,428.4)	7,641
-9	(1,633.9)	74.2	-9	(1,607.0)	7,653
-10	(1,815.5)	73.9	-10	(1,785.6)	7,665

EAF POINTS 3.816 ← | → **Adjusted EAF 78.0**

AHR POINTS 0.000 ← | → **Adjusted ANOHR 7,528**

Weighting Factor = 5.15%

Weighting Factor = 6.11%

TAMPA ELECTRIC COMPANY
COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 18 - DEC 18 POF	TARGET PERIOD JAN 18 - DEC 18 EUOF	TARGET PERIOD JAN 18 - DEC 18 EUOR	ACTUAL PERFORMANCE JAN 18 - DEC 18 POF	ACTUAL PERFORMANCE JAN 18 - DEC 18 EUOF	ACTUAL PERFORMANCE JAN 18 - DEC 18 EUOR
BIG BEND 2	2.11%	8.7%	6.6	7.3	7.8	19.2	10.8	13.4
BIG BEND 3	3.69%	15.3%	6.6	31.9	34.2	5.4	18.2	19.2
BIG BEND 4	5.04%	20.9%	6.6	26.7	28.6	19.1	20.7	25.6
POLK 1	0.72%	3.0%	17.3	14.7	17.8	28.1	11.2	15.5
POLK 2	4.82%	19.9%	5.8	8.3	8.8	2.0	4.2	4.3
BAYSIDE 1	2.63%	10.9%	14.8	11.0	12.9	5.3	1.7	1.8
BAYSIDE 2	5.15%	21.3%	18.6	2.7	3.3	19.6	3.3	4.1
GPIF SYSTEM	**24.2%**	**100.0%**	**10.2**	**15.0**	**16.3**	**12.5**	**10.1**	**11.8**

GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%) **74.9** **77.4**

3 PERIOD AVERAGE POF	3 PERIOD AVERAGE EUOF	3 PERIOD AVERAGE EUOR	3 PERIOD AVERAGE EAF
9.8	**17.3**	**19.0**	**72.9**

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET HEAT RATE JAN 18 - DEC 18	ADJUSTED ACTUAL HEAT RATE JAN 18 - DEC 18
BIG BEND 2	2.66%	3.5%	11,320	11,166
BIG BEND 3	4.95%	6.5%	10,619	10,841
BIG BEND 4	7.34%	9.7%	10,448	10,610
POLK 1	3.52%	4.6%	9,978	10,721
POLK 2	45.28%	59.7%	7,382	6,800
BAYSIDE 1	5.98%	7.9%	7,343	7,455
BAYSIDE 2	6.11%	8.1%	7,471	7,528
GPIF SYSTEM	**75.8%**	**100.0%**		

GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh) **8,153** **7,878**

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
JANUARY 2018 - DECEMBER 2018

Points are calculated according to the formula:

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

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 =	2.11%	*	(BB 2 EAP)	+	3.69%	*	(BB 3 EAP)	+	5.04%	*	(BB 4 EAP)
+	0.72%	*	(PK 1 EAP)	+	4.82%	*	(PK 2 EAP)	+	2.63%	*	(BAY 1 EAP)
+	5.15%	*	(BAY 2 EAP)	+	2.66%	*	(BB 2 AHRP)	+	4.95%	*	(BB 3 AHRP)
+	7.34%	*	(BB 4 AHRP)	+	3.52%	*	(PK 1 AHRP)	+	45.28%	*	(PK 2 AHRP)
+	5.98%	*	(BAY 1 AHRP)	+	6.11%	*	(BAY 2 AHRP)				

GPIP =	2.11%	*	10.000	+	3.69%	*	10.000	+	5.04%	*	-10.000
+	0.72%	*	-9.150	+	4.82%	*	10.000	+	2.63%	*	9.183
+	5.15%	*	3.816	+	2.66%	*	1.969	+	4.95%	*	-5.018
+	7.34%	*	-2.821	+	3.52%	*	-10.000	+	45.28%	*	10.000
+	5.98%	*	-4.000	+	6.11%	*	0.000				

GPIP =	0.211	+	0.369	+	-0.504
+	-0.066	+	0.482	+	0.242
+	0.196	+	0.052	+	-0.249
+	-0.207	+	-0.352	+	4.528
+	-0.239	+	0.000		

GPIP = 4.464 POINTS

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 = $4,141,330

EXHIBIT NO. ___ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 20190001-EI
GPIF 2018 FINAL TRUE-UP
DOCUMENT NO. 2

EXHIBIT TO THE TESTIMONY OF

BRIAN S. BUCKLEY

DOCKET NO. 20190001-EI

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2018 – DECEMBER 2018

TRUE-UP

DOCUMENT NO. 2

ACTUAL UNIT PERFORMANCE DATA

ORIGINAL SHEET NO. 8.401.18A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

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 2	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	63.7	66.6	80.1	33.5	0.3	92.5	90.1	89.1	98.3	100.0	99.9	33.9	70.0
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	503.5	549.5	743.0	271.0	0.0	224.3	150.6	356.0	720.0	475.9	211.8	0.0	4,205.7
4. RSH	180.2	36.8	0.0	0.0	2.3	442.7	519.7	313.0	0.0	268.1	509.2	252.4	2,524.4
5. UH	60.3	85.7	0.0	449.0	741.7	53.0	73.6	75.0	0.0	0.0	0.0	491.6	2,029.9
6. POH	0.0	0.0	0.0	449.0	741.7	0.0	0.0	0.0	0.0	0.0	0.0	491.6	1,682.2
7. FOH	60.3	85.7	0.0	0.0	0.0	53.0	34.3	0.0	0.0	0.0	0.0	0.0	233.3
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	39.3	75.0	0.0	0.0	0.0	0.0	114.3
9. PFOH	327.6	235.1	0.0	0.0	0.0	0.0	0.0	11.6	39.4	19.4	47.9	0.0	680.9
10. LR PF (MW)	44.1	9.6	0.0	0.0	0.0	0.0	0.0	175.0	104.3	5.0	5.0	0.0	34.0
11. PMOH	744.0	672.3	743.5	720.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2,880.8
12. LR PM (MW)	91.9	78.1	78.4	15.9	0.0	235.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3
13. NSC (MW)	395.0	395.0	395.0	385.0	340.0	340.0	340.0	340.0	340.0	340.0	340.0	350.0	358.3
14. OPR BTU(GBTU)	732.3	1,006.9	1,196.1	500.0	0.0	306.2	224.0	587.9	1,240.2	757.6	347.6	0.0	6,898.8
15. NET GEN (MWH)	62,029	94,369	105,001	48,780	0	26,562	19,643	47,786	102,138	61,799	30,668	0	598,775
16. ANOHR (BTU/KWH)	11,805.8	10,669.7	11,390.8	10,250.7	0.0	11,529.1	11,405.6	12,302.6	12,142.0	12,259.9	11,333.3	0.0	11,522.0
17. NOF (%)	31.2	43.5	35.8	46.8	0.0	34.8	38.3	39.5	41.7	38.2	42.6	0.0	39.7
18. NPC (MW)	395.0	395.0	395.0	385.0	340.0	340.0	340.0	340.0	340.0	340.0	340.0	350.0	358.3
19. ANOHR EQUATION	ANOHR = NOF (-17.276) + 12,362												

EXHIBIT NO._____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 20190001-EI
DOCUMENT NO. 2
PAGE 1 OF 7

ORIGINAL SHEET NO. 8.401.18A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

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 3	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	57.3	35.3	30.7	66.2	91.3	95.6	95.7	94.3	68.0	90.4	99.5	93.3	76.5
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	492.1	390.2	384.5	540.9	679.6	691.9	664.0	741.1	506.2	546.3	721.0	215.6	6,573.4
4. RSH	0.0	23.6	0.0	0.0	0.0	28.1	50.1	0.0	0.0	133.7	0.0	478.4	713.8
5. UH	251.9	258.2	358.5	179.1	64.4	0.0	29.9	2.9	213.8	64.0	0.0	50.0	1,472.7
6. POH	0.0	0.0	358.5	112.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	470.8
7. FOH	251.9	258.2	0.0	0.0	64.4	0.0	0.8	2.9	72.0	0.0	0.0	0.0	650.1
8. MOH	0.0	0.0	0.0	66.8	0.0	0.0	29.2	0.0	141.9	64.0	0.0	50.0	351.8
9. PFOH	787.0	672.0	743.0	645.0	1.7	264.4	57.2	141.1	55.5	22.1	50.8	0.0	3,439.8
10. LR PF (MW)	33.4	105.2	84.2	38.8	40.0	46.4	0.0	96.9	101.9	110.9	23.6	0.0	63.9
11. PMOH	0.0	0.0	0.0	2.0	0.0	2.4	2.7	0.0	0.7	0.0	0.0	0.0	7.7
12. LR PM (MW)	0.0	0.0	0.0	120.0	0.0	120.0	240.0	0.0	165.0	0.0	0.0	0.0	165.3
13. NSC (MW)	400.0	400.0	400.0	395.0	395.0	395.0	345.0	345.0	345.0	345.0	345.0	400.0	375.8
14. OPR BTU(GBTU)	1,798.8	987.6	1,084.1	1,965.3	2,635.8	2,359.6	991.3	1,213.2	903.2	1,186.3	1,708.9	497.5	17,331.6
15. NET GEN (MWH)	163,854	85,845	90,768	181,082	247,448	219,091	87,639	100,627	77,828	106,431	149,843	42,260	1,552,716
16. ANOHR BTU/KWH	10,978.0	11,504.3	11,943.4	10,852.9	10,652.0	10,770.0	11,311.7	12,056.4	11,605.2	11,146.3	11,404.9	11,771.2	11,162.0
17. NOF (%)	83.2	55.0	59.0	84.8	92.2	80.2	38.3	39.4	44.6	56.5	60.2	49.0	62.8
18. NPC (MW)	400.0	400.0	400.0	395.0	395.0	395.0	345.0	345.0	345.0	345.0	345.0	400.0	375.8
19. ANOHR EQUATION	ANOHR = NOF (-17.826) + 12,060												

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BIG BEND 4	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	78.7	13.1	8.0	87.7	68.2	60.1	80.3	78.5	78.7	81.0	18.5	65.0	60.2
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	744.0	69.0	59.2	720.0	635.9	523.4	744.0	744.0	720.0	610.5	165.1	571.2	6,306.3
4. RSH	0.0	147.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133.5	7.0	0.0	287.6
5. UH	0.0	456.0	683.8	0.0	108.1	196.6	0.0	0.0	0.0	0.0	548.9	172.8	2,166.1
6. POH	0.0	456.0	683.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	537.0	0.0	1,676.7
7. FOH	0.0	0.0	0.0	0.0	108.1	196.6	0.0	0.0	0.0	0.0	11.9	1.9	318.5
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170.9	170.9
9. PFOH	1,611.4	672.0	743.0	762.4	2,361.8	1,557.0	744.0	744.0	720.0	744.0	721.0	744.0	12,124.6
10. LR PF (MW)	43.4	84.2	0.0	49.9	23.3	25.0	81.8	93.9	82.0	83.2	23.6	52.2	46.7
11. PMOH	0.0	0.0	0.0	6.3	5.9	5.0	16.4	0.0	34.6	0.0	0.0	0.0	68.4
12. LR PM (MW)	0.0	0.0	0.0	119.5	171.1	113.8	199.1	0.0	228.1	0.0	0.0	0.0	197.7
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	438.7
14. OPR BTU(GBTU)	2,713.8	129.7	163.7	2,755.0	2,397.7	1,977.7	2,766.9	2,680.4	2,547.9	1,854.2	542.7	2,015.5	22,545.2
15. NET GEN (MWH)	254,243	13,470	15,848	260,531	213,939	181,524	249,646	247,319	238,823	192,564	46,324	184,874	2,099,105
16. ANOHR BTU/KWH	10,674.2	9,626.0	10,330.3	10,574.6	11,207.5	10,894.9	11,083.2	10,837.9	10,668.8	9,628.8	11,716.1	10,901.8	10,740.0
17. NOF (%)	77.3	44.2	60.5	82.8	77.0	79.4	76.8	76.1	75.9	72.2	64.2	73.2	75.9
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 (-12.371) + 11,518												

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POLK 1	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	75.1	97.1	49.1	72.8	82.9	89.6	89.1	97.1	46.3	0.0	0.0	31.4	60.7
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	567.8	669.2	384.2	454.4	648.7	603.2	708.1	740.3	363.2	0.0	0.0	8.1	5,147.0
4. RSH	0.0	0.0	12.6	136.7	47.5	108.8	0.0	0.0	0.0	0.0	0.0	225.8	531.4
5. UH	176.2	2.8	346.2	129.0	47.8	8.0	35.9	3.8	356.8	744.0	721.0	510.1	3,081.6
6. POH	0.0	0.0	147.2	0.0	0.0	0.0	0.0	0.0	356.8	744.0	721.0	491.0	2,460.1
7. FOH	176.2	2.8	199.0	95.3	3.3	8.0	35.9	3.8	0.0	0.0	0.0	6.3	530.6
8. MOH	0.0	0.0	0.0	33.6	44.5	0.0	0.0	0.0	0.0	0.0	0.0	12.9	91.0
9. PFOH	236.6	121.2	171.5	720.0	744.0	577.2	239.6	100.9	3.3	0.0	0.0	0.0	2,914.3
10. LR PF (MW)	8.2	29.8	30.0	20.5	23.4	25.6	46.4	44.0	70.0	0.0	0.0	0.0	25.2
11. PMOH	0.0	0.0	420.7	0.0	0.0	0.0	0.0	0.0	497.5	744.0	721.0	0.0	2,383.2
12. LR PM (MW)	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	14.1	0.0	0.0	0.0	3.7
13. NSC (MW)	220.0	220.0	220.0	220.0	220.0	220.0	245.0	245.0	245.0	245.0	245.0	220.0	230.4
14. OPR BTU(GBTU)	1,332.2	1,559.7	703.8	552.9	630.0	969.9	1,435.1	1,760.6	652.6	0.0	0.0	12.3	9,609.0
15. NET GEN (MWH)	126,117	152,887	69,570	60,461	67,992	79,644	141,705	167,216	68,117	-2,588	-2,515	-2,225	926,381
16. ANOHR BTU/KWH	10,563.2	10,201.9	10,116.2	9,144.7	9,265.3	12,178.0	10,127.1	10,528.8	9,580.3	0.0	0.0	0.0	10,373.0
17. NOF (%)	101.0	103.9	82.3	60.5	47.6	60.0	81.7	92.2	76.6	0.0	0.0	0.0	78.1
18. NPC (MW)	220.0	220.0	220.0	220.0	220.0	220.0	245.0	245.0	245.0	245.0	245.0	220.0	230.4
19. ANOHR EQUATION	ANOHR = NOF (16.584) + 8,334												

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POLK 2 CC	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	89.0	88.1	97.1	98.9	88.6	99.9	99.8	99.7	98.4	94.9	88.9	83.1	93.8
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	743.0	672.0	743.0	720.0	656.7	720.0	744.0	741.0	712.0	702.0	712.0	667.4	8,533.1
4. RSH	44.6	29.5	6.8	35.7	105.1	15.8	13.5	30.9	22.5	19.1	36.7	0.0	360.1
5. UH	42.5	47.3	10.6	4.4	79.9	0.0	0.0	1.7	7.0	22.3	72.0	76.6	364.3
6. POH	20.6	47.3	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.0	29.8	175.3
7. FOH	11.8	0.0	5.1	4.4	6.0	0.0	0.0	0.5	6.4	0.5	0.0	5.8	40.4
8. MOH	10.1	0.0	0.0	0.0	73.9	0.0	0.0	1.2	0.7	21.8	0.0	41.0	148.6
9. PFOH	656.7	0.9	91.8	30.4	6.2	6.1	6.0	4.9	44.5	5.1	0.0	267.5	1,120.1
10. LR PF (MW)	33.9	125.0	95.2	115.0	108.9	42.9	235.0	106.0	115.0	106.0	0.0	123.8	68.1
11. PMOH	204.7	315.3	37.3	0.0	49.5	5.8	0.0	0.0	0.0	154.1	244.4	215.0	1,226.0
12. LR PM (MW)	123.0	125.0	125.0	0.0	95.5	115.0	0.0	0.0	0.0	106.0	33.9	118.6	101.8
13. NSC (MW)	1,200.0	1,200.0	1,200.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,200.0	1,107.3
14. OPR BTU(GBTU)	4,009.6	3,482.9	4,694.6	4,117.4	3,268.6	4,321.1	4,692.8	4,404.3	4,397.2	4,430.9	3,924.8	3,838.1	49,582.3
15. NET GEN (MWH)	586,465	538,133	728,981	634,576	473,543	648,403	674,389	634,827	624,890	638,721	571,331	551,368	7,305,628
16. ANOHR BTU/KWH	6,836.9	6,472.2	6,439.9	6,488.5	6,902.4	6,664.2	6,958.6	6,937.8	7,036.8	6,937.2	6,869.6	6,961.1	6,787.0
17. NOF (%)	65.8	66.7	81.8	83.1	68.0	84.9	85.4	80.7	82.7	85.8	75.6	68.8	77.3
18. NPC (MW)	1,200.0	1,200.0	1,200.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,200.0	1,107.3
19. ANOHR EQUATION	ANOHR = NOF (-13.653) + 8,424												

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BAYSIDE UNIT 1	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	96.9	99.7	97.8	57.2	99.2	100.0	100.0	97.5	99.9	77.9	90.3	98.8	93.0
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	670.6	672.0	743.0	422.0	744.0	720.0	744.0	734.0	720.0	582.0	711.2	743.8	8,206.6
4. RSH	58.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.5
5. UH	15.0	0.0	8.3	298.4	0.0	0.0	0.0	10.2	0.0	161.6	9.8	0.1	503.4
6. POH	0.0	0.0	0.0	298.4	0.0	0.0	0.0	0.0	0.0	160.1	9.8	0.0	468.3
7. FOH	0.0	0.0	8.3	0.0	0.0	0.0	0.0	1.6	0.0	1.5	0.0	0.1	11.6
8. MOH	15.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	0.0	23.5
9. PFOH	39.6	10.0	19.4	10.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88.5
10. LR PF (MW)	82.0	82.0	82.0	79.0	69.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.3
11. PMOH	39.9	9.9	55.6	48.8	45.0	0.0	0.0	75.6	7.7	23.3	444.4	88.8	839.1
12. LR PM (MW)	82.0	82.0	82.0	128.2	79.0	0.0	0.0	79.0	79.0	79.0	94.8	79.0	90.6
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	731.3
14. OPR BTU(GBTU)	1,633.1	2,454.5	2,329.3	1,223.3	2,130.9	2,323.1	2,271.0	2,085.0	2,209.4	1,653.4	1,888.4	1,994.5	24,195.8
15. NET GEN (MWH)	217,843	332,848	308,710	162,902	285,477	306,014	307,294	281,179	295,733	217,768	255,869	266,201	3,237,839
16. ANOHR (BTU/KWH)	7,496.7	7,374.3	7,545.2	7,509.3	7,464.4	7,591.4	7,390.3	7,415.1	7,471.0	7,592.3	7,380.3	7,492.5	7,473.0
17. NOF (%)	41.0	62.5	52.5	55.1	54.7	60.6	58.9	54.6	58.6	53.4	51.3	45.2	53.9
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 (-1.982) + 7,468												

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BAYSIDE UNIT 2	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	89.7	0.0	0.0	55.2	93.9	97.0	97.5	97.1	97.6	98.2	92.1	99.6	77.1
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	695.6	0.0	0.0	405.0	708.2	720.0	743.0	736.0	720.0	744.0	721.0	744.0	6,936.8
4. RSH	0.0	0.0	0.0	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8
5. UH	58.1	672.0	743.0	317.4	40.8	0.0	1.0	7.5	0.0	0.0	1.2	0.0	1,841.0
6. POH	12.6	672.0	743.0	290.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,718.0
7. FOH	45.5	0.0	0.0	27.0	0.0	0.0	1.0	7.5	0.0	0.0	1.2	0.0	82.3
8. MOH	0.0	0.0	0.0	0.0	40.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.8
9. PFOH	9.4	0.0	0.0	65.5	51.0	0.0	3.8	0.9	0.0	0.0	0.0	0.0	130.5
10. LR PF (MW)	79.0	0.0	0.0	74.3	77.0	0.0	77.0	77.0	0.0	0.0	0.0	0.0	75.8
11. PMOH	231.8	0.0	0.0	3.5	8.3	272.0	475.6	176.2	210.8	171.3	355.7	35.4	1,940.5
12. LR PM (MW)	79.3	0.0	0.0	77.0	77.0	72.7	34.2	75.5	77.0	73.0	145.3	77.0	78.2
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	968.3
14. OPR BTU(GBTU)	1,818.4	0.0	0.0	1,418.1	2,605.3	2,515.6	2,584.8	2,907.2	2,938.9	3,123.1	2,635.4	2,907.9	25,454.5
15. NET GEN (MWH)	232,588	-3,128	-3,411	187,162	347,726	330,641	349,617	392,400	394,088	412,229	348,754	388,516	3,377,182
16. ANOHR (BTU/KWH)	7,818.0	0.0	0.0	7,576.8	7,492.3	7,608.2	7,393.2	7,408.7	7,457.4	7,576.0	7,556.6	7,484.6	7,537.0
17. NOF (%)	31.9	0.0	0.0	49.7	52.9	49.4	50.7	57.4	58.9	59.6	52.1	49.9	50.3
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 (-4.675) + 7,715												