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March 16, 2021

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. 20210001-EI

Dear Mr. Teitzman:

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

1. Prepared Direct Testimony and Exhibit (PAB-1) of Patrick A. Bokor regarding Generating Performance Incentive Factor True-Up for the period January 2020 through December 2020.

Thank you for your assistance in connection with this matter.

Sincerely,

James D. Beasley

JDB/bmp
Attachments

cc: All parties of record (w/attachments)

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Testimony, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 16th day of March 2021 to the following:

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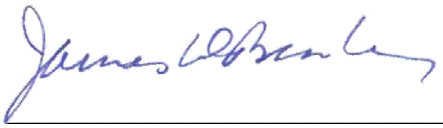


ATTORNEY

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 20210001-EI
IN RE: FUEL & PURCHASED POWER COST RECOVERY
AND
CAPACITY COST RECOVERY

GENERATING PERFORMANCE INCENTIVE FACTOR
TRUE-UP
JANUARY 2020 THROUGH DECEMBER 2020

TESTIMONY AND EXHIBIT
OF
PATRICK A. BOKOR

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

PATRICK A. BOKOR

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

A. My name is Patrick A. Bokor. 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 Accounting in 2000 from the University of Florida and a Master of Business Administration in 2010 from the University of Tampa. I have accumulated 15 years of experience in the electric industry, with experience in the areas of unit commitment and economic dispatch, power and gas trading, accounting, and risk management. In my current role, I am responsible for developing and implementing business plans and strategic initiatives to optimize business performance of Tampa

Electric's generation. Specifically, I am responsible for directing short-term resource availability, preparation of the hourly, daily and weekend Unit Commitment Plan for review and approval by grid operations, fleet optimization, and overall operating and business performance.

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 2020 through December 2020. 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. PAB-1, consisting of two documents. Document No. 1, entitled "GPIF Schedules" is consistent with the GPIF Implementation Manual approved by the Florida Public Service Commission ("FPSC" or "Commission"). Document No. 2 provides the company's Actual Unit Performance Data for the 2020 period.

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

in the determination of the GPIF?

A. Polk Units 1 and 2, Bayside Units 1 and 2, and Big Bend Unit 4 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 2020 through December 2020 period?

A. Yes, I have. This is shown on Document No. 1, page 4 of 25. Based upon 3.401 Generating Performance Incentive Points ("GPIP"), the result is a reward amount of $3,673,726 for the period.

Q. Please proceed with your review of the actual results for the January 2020 through December 2020 period.

A. On Document No. 1, page 3 of 25, the actual average common equity for the period is shown on line 14 as $3,387,268,691. This produces the maximum penalty or reward amount of $10,801,371 as shown on line 23.

Q. Will you please explain how you arrived at the actual equivalent availability results for the five 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 monthly. 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 25, 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 25, 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. 4

On this unit, 1,919 planned outage hours were originally scheduled for 2020. Actual outage activities required 3,262.2 planned outage hours. Consequently, the actual equivalent availability of 35.7 percent is adjusted to 47.0 percent, as shown on Document No. 1, page 7 of 25.

Polk Unit No. 1

On this unit, 744 planned outage hours were originally scheduled for 2020. Actual outage activities required 467.8 planned outage hours. Consequently, the actual equivalent availability of 69.6 percent is adjusted to 67.6 percent, as shown on Document No. 1, page 8 of 25.

Polk Unit No. 2

On this unit, 1,104 planned outage hours were originally scheduled for 2020. Actual outage activities required 246 planned outage hours. Consequently, the actual equivalent availability of 89.5 percent is adjusted to 80.4 percent, as shown on Document No. 1, page 9 of 25.

Bayside Unit No. 1

On this unit, 576 planned outage hours were originally scheduled for 2020. Actual outage activities required 673.8 planned outage hours. Consequently, the actual equivalent availability of 89.5 percent is adjusted to 90.5 percent, as shown on Document No. 1, page 10 of 25.

Bayside Unit No. 2

On this unit, 576 planned outage hours were originally scheduled for 2020. Actual outage activities required 381.3 planned outage hours. Consequently, the actual equivalent

availability of 90.6 percent is adjusted to 88.5 percent, as shown on Document No. 1, page 11 of 25.

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 25, column 4. This number is incorporated in the respective GPIP table for each unit, shown on pages 19 through 23 of 25. Page 4 of 25 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 five GPIF units are shown on Document No. 1, page 6 of 25. 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 25, column 9. The heat rate value is incorporated in the respective GPIP table for each unit, shown on pages 19 through 23 of 25. Page 4 of 25

summarizes the weighted heat rate points to be awarded or penalized.

Q. What is the overall GPIP for Tampa Electric for the January 2020 through December 2020 period?

A. This is shown on Document No. 1, page 2 of 25. The weighting factors shown on page 4 of 25, column 3, plus the equivalent availability points and the heat rate points shown on page 4 of 25, column 4, are substituted within the equation found on page 25 of 25. The resulting value of 3.401 is located in the GPIF table on page 2 of 25, and the reward amount of $3,673,726 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 $10,801,371 as shown in Document No. 1, page 3.

Q. Does this conclude your testimony?

A. Yes.

EXHIBIT NO. PAB-1
TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
GPIF 2020 FINAL TRUE-UP

GENERATING PERFORMANCE INCENTIVE FACTOR

INDEX

EXHIBIT NO. PAB-1
TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
GPIF 2020 FINAL TRUE-UP
DOCUMENT NO. 1

EXHIBIT TO THE TESTIMONY OF

PATRICK A. BOKOR

DOCKET NO. 20210001-EI

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2020 – DECEMBER 2020

TRUE-UP

DOCUMENT NO. 1

GPIF SCHEDULES

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2020 - DECEMBER 2020
TRUE-UP
TABLE OF CONTENTS

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE - ACTUAL
JANUARY 2020 - DECEMBER 2020

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) ($000)	GENERATING PERFORMANCE INCENTIVE FACTOR ($000)
+10	21,602.7	10,801.4
+9	19,442.5	9,721.2
+8	17,282.2	8,641.1
+7	15,121.9	7,561.0
+6	12,961.6	6,480.8
+5	10,801.4	5,400.7
+4	8,641.1	4,320.5
+3	6,480.8	3,240.4
+2	4,320.5	2,160.3
+1	2,160.3	1,080.1
0	0.0	0.0
-1	(1,976.7)	(1,080.1)
-2	(3,953.4)	(2,160.3)
-3	(5,930.1)	(3,240.4)
-4	(7,906.8)	(4,320.5)
-5	(9,883.5)	(5,400.7)
-6	(11,860.2)	(6,480.8)
-7	(13,836.9)	(7,561.0)
-8	(15,813.6)	(8,641.1)
-9	(17,790.3)	(9,721.2)
-10	(19,767.0)	(10,801.4)

GPI POINTS 3.401

REWARD DOLLARS $3,673,726

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS - ACTUAL
JANUARY 2020 - DECEMBER 2020

Line 1	Beginning of period balance of common equity: End of month common equity:		$	3,164,685,873
Line 2	Month of January	2020	$	3,187,189,753
Line 3	Month of February	2020	$	3,247,212,391
Line 4	Month of March	2020	$	3,267,864,918
Line 5	Month of April	2020	$	3,293,474,028
Line 6	Month of May	2020	$	3,359,088,486
Line 7	Month of June	2020	$	3,404,579,841
Line 8	Month of July	2020	$	3,451,123,043
Line 9	Month of August	2020	$	3,482,696,331
Line 10	Month of September	2020	$	3,520,228,750
Line 11	Month of October	2020	$	3,558,468,419
Line 12	Month of November	2020	$	3,543,220,019
Line 13	Month of December	2020	$	3,554,661,131
Line 14	(Summation of line 1 through line 13 divided by 13)		$	3,387,268,691
Line 15	25 Basis points			0.0025
Line 16	Revenue Expansion Factor			75.30%
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)		$	11,246,360
Line 18	Jurisdictional Sales			19,950,343 MWH
Line 19	Total Sales			19,950,343 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)		$	11,246,360
Line 22	Incentive Cap (50% of projected fuel savings at 10 GPIF-Point level from Sheet No. 3.515)		$	10,801,371
Line 23	**Maximum Allowed GPIF Reward (At 10 GPIF-Point Level; the lesser of line 21 and line 22)**		**$**	**10,801,371**

TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS - ACTUAL
JANUARY 2020 - DECEMBER 2020

PLANT / UNIT	12 MONTH ADJ. ACTUAL PERFORMANCE		WEIGHTING FACTOR %	UNIT POINTS	WEIGHTED UNIT POINTS
BIG BEND 4	47.0%	EAF	1.40%	-7.439	-0.104
POLK 1	67.6%	EAF	3.15%	-10.000	-0.315
POLK 2	80.4%	EAF	6.84%	-10.000	-0.684
BAYSIDE 1	90.5%	EAF	5.63%	-8.818	-0.496
BAYSIDE 2	88.5%	EAF	8.39%	-1.618	-0.136
BIG BEND 4	10,972	ANOHR	4.43%	-1.710	-0.076
POLK 1	8,698	ANOHR	11.15%	9.319	1.039
POLK 2	6,843	ANOHR	35.96%	9.141	3.287
BAYSIDE 1	7,336	ANOHR	7.64%	0.000	0.000
BAYSIDE 2	7,324	ANOHR	15.43%	5.742	0.886
			100.00%		3.401

GPIF REWARD **$ 3,673,726**

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 4	1.40%	55.39	61.0	44.1	301.8	(1,622.9)	47.0%	(1,207.2)
POLK 1	3.15%	75.5	79.1	68.3	680.0	(107.9)	67.6%	(107.9)
POLK 2	6.84%	84.9	86.1	82.7	1,477.8	(823.7)	80.4%	(823.7)
BAYSIDE 1	5.63%	91.7	92.4	90.3	1,216.3	(475.9)	90.5%	(419.6)
BAYSIDE 2	8.39%	88.9	90.1	86.4	1,811.8	(621.7)	88.5%	(100.6)
GPIF SYSTEM	**25.40%**				**5,487.8**	**(3,652.1)**		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	WEIGHTING FACTOR (%)	TARGET 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 4	4.43%	10,837	52.3	10,410	11,264	956.4	(956.4)	10,972	(163.6)
POLK 1	11.15%	10,018	84.8	8,607	11,429	2,408.6	(2,408.6)	8,698	2,244.6
POLK 2	35.96%	7,209	72.9	6,816	7,603	7,768.2	(7,768.2)	6,843	7,101.0
BAYSIDE 1	7.64%	7,379	84.2	7,260	7,498	1,649.5	(1,649.5)	7,336	0.0
BAYSIDE 2	15.43%	7,499	70.9	7,250	7,749	3,332.3	(3,332.3)	7,324	1,913.4
GPIF SYSTEM	**74.60%**					**16,115.0**	**(16,115.0)**		

EXHIBIT NO. _____ (PAB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
DOCUMENT NO. 1
PAGE 5 OF 25

TAMPA ELECTRIC COMPANY
UNIT PERFORMANCE DATA - ACTUAL
JANUARY 2020 - DECEMBER 2020

PLANT / UNIT	ACTUAL EAF (%)	ADJUSTMENTS (1) TO EAF (%)	EAF ADJUSTED ACTUAL (%)
BIG BEND 4	35.7	11.3	47.0
POLK 1	69.9	-2.3	67.6
POLK 2	89.5	-9.1	80.4
BAYSIDE 1	89.5	1.0	90.5
BAYSIDE 2	90.6	-2.1	88.5

PLANT / UNIT	ACTUAL ANOHR (Btu/kwh)	ADJUSTMENTS (2) TO ANOHR (Btu/kwh)	ANOHR ADJUSTED ACTUAL (Btu/kwh)
BIG BEND 4	10,928	44	10,972
POLK 1	8,862	-164	8,698
POLK 2	7,089	-246	6,843
BAYSIDE 1	7,412	-76	7,336
BAYSIDE 2	7,398	-74	7,324

(1) Documentation of adjustments to Actual EAF on pages 7 - 11

(2) Documentation of adjustments to Actual ANOHR on pages 12 - 16

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 4
JANUARY 2020 - DECEMBER 2020

WEIGHTING FACTOR = 1.40%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	55.4	35.7	47.0
POH	1,919.0	3,262.2	1,919.0
FOH + EFOH	1,362.5	1,490.8	1,853.4
MOH + EMOH	636.7	711.7	884.8
POF	21.8	37.1	21.8
EFOF	15.5	17.0	21.1
EMOF	7.2	8.1	10.1
	-7.439	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 1919}{8784 - 3262.2} \times (1490.8 + 711.7) = 2{,}738.3$$

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

$$100 - 21.8 - \frac{2{,}738.3}{8{,}784.0} \times 100 = 47.0$$

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 PERFORMANCE
POLK UNIT NO. 1
JANUARY 2020 - DECEMBER 2020

WEIGHTING FACTOR = 3.15%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	75.5	69.9	67.6
POH	744.0	467.8	744.0
FOH + EFOH	744.5	1,700.6	1,644.1
MOH + EMOH	661.6	471.7	456.0
POF	8.5	5.3	8.5
EFOF	8.5	19.4	18.7
EMOF	7.5	5.4	5.2
	-10.000	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 744}{8784 - 467.8} \times (1700.6 + 471.7) = 2{,}100.2$$

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

$$100 - 8.5 - \frac{2100.2}{8{,}784.0} \times 100 = 67.6$$

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 2020 - DECEMBER 2020

WEIGHTING FACTOR = 6.84%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	84.9	89.5	80.4
POH	1,104.0	246.0	1,104.0
FOH + EFOH	110.1	464.3	417.6
MOH + EMOH	110.4	215.3	193.7
POF	12.6	2.8	12.6
EFOF	1.3	5.3	4.8
EMOF	1.3	2.5	2.2

-10.000 **EQUIVALENT AVAILABILITY POINTS**

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 1104}{8784 - 246} \times (464.3 + 215.3) = 611.3$$

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

$$100 - 12.6 - \frac{611.3}{8,784.0} \times 100 = 80.4$$

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 2020 - DECEMBER 2020

WEIGHTING FACTOR = 5.63%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	91.7	89.5	90.5
POH	576.0	673.8	576.0
FOH + EFOH	42.2	137.2	138.9
MOH + EMOH	111.5	113.8	115.2
POF	6.6	7.7	6.6
EFOF	0.5	1.6	1.6
EMOF	1.3	1.3	1.3
	-8.818	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 576}{8784 - 673.8} \times (137.2 + 113.8) = 254.0$$

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

$$100 - 6.6 - \frac{254.0}{8,784.0} \times 100 = 90.5$$

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
BAYSIDE UNIT NO. 2
JANUARY 2020 - DECEMBER 2020

WEIGHTING FACTOR = 8.39%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	88.9	90.6	88.5
POH	576.0	381.3	576.0
FOH + EFOH	179.5	69.5	67.9
MOH + EMOH	219.6	370.9	362.3
POF	6.6	4.3	6.6
EFOF	2.0	0.8	0.8
EMOF	2.5	4.2	4.1
	-1.618	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 576}{8784 - 381.3} \times (69.5 + 370.9) = 430.2$$

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

$$100 - 6.6 - \frac{430.2}{8,784.0} \times 100 = 88.5$$

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 HEAT RATE
BIG BEND UNIT NO. 4
JANUARY 2020 - DECEMBER 2020

WEIGHTING FACTOR = 4.43%

	12 MONTH TARGET	**12 MONTH ACTUAL PERFORMANCE**
ANOHR (Btu/kwh)	10,837	10,928
NET GENERATION (GWH)	708.3	1,054.1
OPERATING BTU (10^9)	8,920.0	11,518.9
NET OUTPUT FACTOR	52.3	60.8

-1.710 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-5.26) + 11111.91 = ANOHR

60.8 * (-5.26) + 11111.91 = 10,792

10,928 - 10,792 = 136

10,837 + 136 = 10,972 ← 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 2020 - DECEMBER 2020

WEIGHTING FACTOR = 11.15%

	12 MONTH TARGET	**12 MONTH ACTUAL PERFORMANCE**
ANOHR (Btu/kwh)	10,018	8,862
NET GENERATION (GWH)	561.9	587.1
OPERATING BTU (10^9)	4,692.2	5,202.9
NET OUTPUT FACTOR	84.8	70.3

9.319 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-11.27) + 10973.68 = ANOHR

70.3 * (-11.27) + 10973.68 = 10,182

8,862 - 10,182 = -1320

10,018 + -1320 = 8,698 ← 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 2020 - DECEMBER 2020

WEIGHTING FACTOR = 35.96%

	12 MONTH TARGET	**12 MONTH ACTUAL PERFORMANCE**
ANOHR (Btu/kwh)	7,209	7,089
NET GENERATION (GWH)	6,763.2	6,134.1
OPERATING BTU (10^9)	48,041.5	43,484.4
NET OUTPUT FACTOR	72.9	67.5

9.141 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-45.56) + 10530.02 = ANOHR

67.5 * (-45.56) + 10530.02 = 7,455

7,089 - 7,455 = -366

7,209 + -366 = 6,843 ← 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 2020 - DECEMBER 2020

WEIGHTING FACTOR = 7.64%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	7,379	7,412
NET GENERATION (GWH)	4,945.8	3,144.2
OPERATING BTU (10^9)	35,983.7	23,305.7
NET OUTPUT FACTOR	84.2	58.8

0.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-3) + 7631.21 = ANOHR

58.8 * (-3) + 7631.21 = 7,455

7,412 - 7,455 = -43

7,379 + -43 = 7,336 ← 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 2020 - DECEMBER 2020

WEIGHTING FACTOR = 15.43%

	12 MONTH TARGET	**12 MONTH ACTUAL PERFORMANCE**
ANOHR (Btu/kwh)	7,499	7,398
NET GENERATION (GWH)	4,752.5	4,398.7
OPERATING BTU (10^9)	35,301.0	32,540.1
NET OUTPUT FACTOR	70.9	59.8

5.742 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF *(-6.67) + 7971.73 = ANOHR

59.8 * (-6.67) + 7971.73 = 7,573

7,398 - 7,573 = -175

7,499 + -175 = 7,324 ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

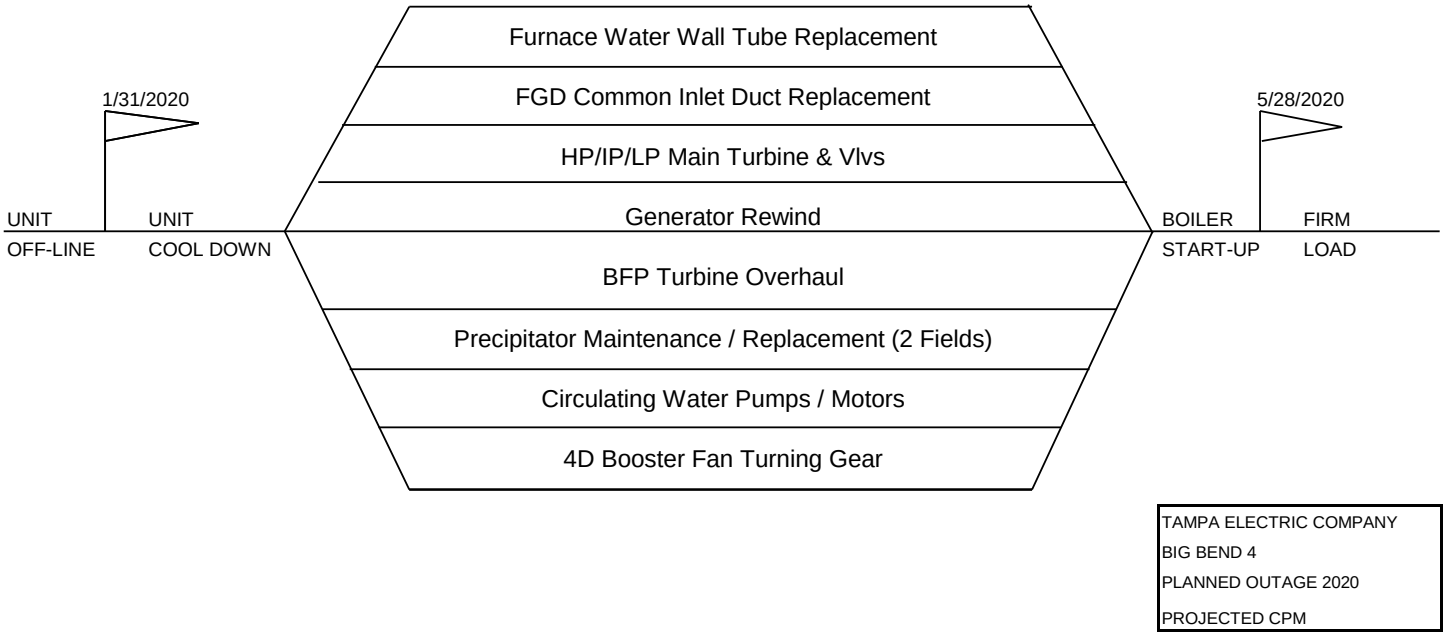
ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ACTUAL)
GPIF UNITS
JANUARY 2020 - DECEMBER 2020

	PLANT / UNIT	PLANNED OUTAGE DATES			OUTAGE DESCRIPTION
+	BIG BEND 4	Jan 31	-	May 28	Furnace Water Wall Tube Replacement, FGD Common Inlet Duct Replacement, Precipitator Maintenance, BFP Turbine Overhaul, 4D Booster Fan Turning Gear, Circulating Water Pumps / Motors, HP/IP/LP Main Turbine & Vlvs, Generator Rewind
		Oct 16	-	Nov 02	Fuel System Clean-up
	POLK 1	Nov 16	-	Dec 05	Combined Cycle & Gasifier
	POLK 2		-		Simple Cycle
	BAYSIDE 1	Feb 27	-	Mar 12	Combined Cycle
		Dec 01	-	Dec 14	Combined Cycle
	BAYSIDE 2	Nov 10	-	Dec 05	Combined Cycle

+ **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 2020 - DECEMBER 2020



TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2020 - DECEMBER 2020

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	301.8	61.0	+10	956.4	10,410
+9	271.6	60.5	+9	860.7	10,445
+8	241.4	59.9	+8	765.1	10,480
+7	211.2	59.3	+7	669.5	10,516
+6	181.1	58.8	+6	573.8	10,551
+5	150.9	58.2	+5	478.2	10,586
+4	120.7	57.7	+4	382.5	10,621
+3	90.5	57.1	+3	286.9	10,656
+2	60.4	56.5	+2	191.3	10,691
+1	30.2	56.0	+1	95.6	10,727
					10,762
0	0.0	55.4	0	0.0	10,837
					10,912
-1	(162.3)	54.3	-1	(95.6)	10,947
-2	(324.6)	53.1	-2	(191.3)	10,982
-3	(486.9)	52.0	-3	(286.9)	11,017
-4	(649.2)	50.9	-4	(382.5)	11,053
-5	(811.5)	49.8	-5	(478.2)	11,088
-6	(973.7)	48.6	-6	(573.8)	11,123
-7	(1,136.0)	47.5	-7	(669.5)	11,158
-8	(1,298.3)	46.4	-8	(765.1)	11,193
-9	(1,460.6)	45.2	-9	(860.7)	11,228
-10	(1,622.9)	44.1	-10	(956.4)	11,264

EAF POINTS -7.439

Adjusted EAF 47.0

AHR POINTS -1.710

Adjusted ANOHR 10,972

Weighting Factor = 1.40%

Weighting Factor = 4.43%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2020 - DECEMBER 2020

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	680.0	79.1	+10	2,408.6	8,607
+9	612.0	78.8	+9	2,167.7	8,741
+8	544.0	78.4	+8	1,926.9	8,874
+7	476.0	78.1	+7	1,686.0	9,008
+6	408.0	77.7	+6	1,445.2	9,141
+5	340.0	77.3	+5	1,204.3	9,275
+4	272.0	77.0	+4	963.4	9,409
+3	204.0	76.6	+3	722.6	9,542
+2	136.0	76.2	+2	481.7	9,676
+1	68.0	75.9	+1	240.9	9,809
					9,943
0	0.0	75.5	0	0.0	10,018
					10,093
-1	(10.8)	74.8	-1	(240.9)	10,226
-2	(21.6)	74.1	-2	(481.7)	10,360
-3	(32.4)	73.3	-3	(722.6)	10,494
-4	(43.1)	72.6	-4	(963.4)	10,627
-5	(53.9)	71.9	-5	(1,204.3)	10,761
-6	(64.7)	71.2	-6	(1,445.2)	10,894
-7	(75.5)	70.4	-7	(1,686.0)	11,028
-8	(86.3)	69.7	-8	(1,926.9)	11,162
-9	(97.1)	69.0	-9	(2,167.7)	11,295
-10	(107.9)	68.3	-10	(2,408.6)	11,429

EAF POINTS -10.000

Adjusted EAF 67.6

AHR POINTS 9.319

Adjusted ANOHR 8,698

Weighting Factor = 3.15%

Weighting Factor = 11.15%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2020 - DECEMBER 2020

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	1,477.8	86.1	+10	7,768.2	6,816
+9	1,330.1	85.9	+9	6,991.4	6,847
+8	1,182.3	85.8	+8	6,214.6	6,879
+7	1,034.5	85.7	+7	5,437.8	6,911
+6	886.7	85.6	+6	4,660.9	6,943
+5	738.9	85.5	+5	3,884.1	6,975
+4	591.1	85.4	+4	3,107.3	7,007
+3	443.4	85.3	+3	2,330.5	7,039
+2	295.6	85.1	+2	1,553.6	7,071
+1	147.8	85.0	+1	776.8	7,102
					7,134
0	0.0	84.9	0	0.0	7,209
					7,284
-1	(82.4)	84.7	-1	(776.8)	7,316
-2	(164.7)	84.5	-2	(1,553.6)	7,348
-3	(247.1)	84.2	-3	(2,330.5)	7,380
-4	(329.5)	84.0	-4	(3,107.3)	7,412
-5	(411.9)	83.8	-5	(3,884.1)	7,444
-6	(494.2)	83.6	-6	(4,660.9)	7,475
-7	(576.6)	83.3	-7	(5,437.8)	7,507
-8	(659.0)	83.1	-8	(6,214.6)	7,539
-9	(741.4)	82.9	-9	(6,991.4)	7,571
-10	(823.7)	82.7	-10	(7,768.2)	7,603

AHR POINTS 9.141

Adjusted ANOHR 6,843

EAF POINTS -10.000

Adjusted EAF 80.4

Weighting Factor = 6.84%

Weighting Factor = 35.96%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2020 - DECEMBER 2020

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	1,216.3	92.4	+10	1,649.5	7,260
+9	1,094.7	92.3	+9	1,484.5	7,265
+8	973.1	92.2	+8	1,319.6	7,269
+7	851.4	92.2	+7	1,154.6	7,273
+6	729.8	92.1	+6	989.7	7,278
+5	608.2	92.0	+5	824.7	7,282
+4	486.5	92.0	+4	659.8	7,286
+3	364.9	91.9	+3	494.8	7,291
+2	243.3	91.8	+2	329.9	7,295
+1	121.6	91.8	+1	164.9	7,300
					7,304
0	0.0	91.7	0	0.0	7,379
					7,454
-1	(47.6)	91.6	-1	(164.9)	7,458
-2	(95.2)	91.4	-2	(329.9)	7,463
-3	(142.8)	91.3	-3	(494.8)	7,467
-4	(190.3)	91.2	-4	(659.8)	7,471
-5	(237.9)	91.0	-5	(824.7)	7,476
-6	(285.5)	90.9	-6	(989.7)	7,480
-7	(333.1)	90.7	-7	(1,154.6)	7,484
-8	(380.7)	90.6	-8	(1,319.6)	7,489
-9	(428.3)	90.5	-9	(1,484.5)	7,493
-10	(475.9)	90.3	-10	(1,649.5)	7,498

EAF POINTS -8.818

Adjusted EAF 90.5

AHR POINTS 0.000

Adjusted ANOHR 7,336

Weighting Factor = 5.63%

Weighting Factor = 7.64%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2020 - DECEMBER 2020

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	1,811.8	90.1	+10	3,332.3	7,250
+9	1,630.6	90.0	+9	2,999.1	7,267
+8	1,449.4	89.9	+8	2,665.8	7,285
+7	1,268.3	89.8	+7	2,332.6	7,302
+6	1,087.1	89.6	+6	1,999.4	7,319
+5	905.9	89.5	+5	1,666.1	7,337
+4	724.7	89.4	+4	1,332.9	7,354
+3	543.5	89.3	+3	999.7	7,372
+2	362.4	89.1	+2	666.5	7,389
+1	181.2	89.0	+1	333.2	7,407
					7,424
0	0.0	88.9	0	0.0	7,499
					7,574
-1	(62.2)	88.7	-1	(333.2)	7,592
-2	(124.3)	88.4	-2	(666.5)	7,609
-3	(186.5)	88.2	-3	(999.7)	7,627
-4	(248.7)	87.9	-4	(1,332.9)	7,644
-5	(310.9)	87.7	-5	(1,666.1)	7,661
-6	(373.0)	87.4	-6	(1,999.4)	7,679
-7	(435.2)	87.2	-7	(2,332.6)	7,696
-8	(497.4)	86.9	-8	(2,665.8)	7,714
-9	(559.5)	86.7	-9	(2,999.1)	7,731
-10	(621.7)	86.4	-10	(3,332.3)	7,749

EAF POINTS -1.618

Adjusted EAF 88.5

AHR POINTS 5.742

Adjusted ANOHR 7,324

Weighting Factor = 8.39%

Weighting Factor = 15.43%

TAMPA ELECTRIC COMPANY
COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 20 - DEC 20 POF	EUOF	EUOR	ACTUAL PERFORMANCE JAN 20 - DEC 20 POF	EUOF	EUOR
BIG BEND 4	1.40%	5.5%	21.8	22.8	29.1	37.1	25.1	39.9
POLK 1	3.1%	12.4%	8.5	16.0	17.5	5.3	24.7	26.1
POLK 2	6.8%	26.9%	12.6	2.5	2.9	2.8	7.7	8.0
BAYSIDE 1	5.6%	22.2%	6.6	1.7	1.9	7.7	2.9	3.1
BAYSIDE 2	8.4%	33.0%	6.6	4.5	4.9	4.3	5.0	5.2
GPIF SYSTEM	**25.4%**	**100.0%**	**9.3**	**5.8**	**6.6**	**6.6**	**8.8**	**10.0**

GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (% **84.9** **84.6**

3 PERIOD AVERAGE POF	EUOF	EUOR	3 PERIOD AVERAGE EAF
8.8	**9.2**	**10.4**	**82.0**

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET HEAT RATE JAN 20 - DEC 20	ADJUSTED ACTUAL HEAT RATE JAN 20 - DEC 20
BIG BEND 4	4.43%	5.9%	10,837	10,972
POLK 1	11.15%	14.9%	10,018	8,698
POLK 2	35.96%	48.2%	7,209	6,843
BAYSIDE 1	7.64%	10.2%	7,379	7,336
BAYSIDE 2	15.43%	20.7%	7,499	7,324
GPIF SYSTEM	**74.6%**	**100.0%**		

GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh) **7,922** **7,515**

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
JANUARY 2020 - DECEMBER 2020

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 = 3.15% * (PK 1 EAP) + 6.84% * (PK 2 EAP) + 5.63% * (BAY 1 EAP)
+ 8.39% * (BAY 2 EAP) + 11.15% * (PK 1 AHRP) + 35.96% * (PK 2 AHRP)
+ 7.64% * (BAY 1 AHRP) + 15.43% * (BAY 2 AHRP) + 4.43% * (BB 4 AHRP)
+ 1.40% * (BB 4 EAP)

GPIP = 3.15% * -10.000 + 6.84% * -10.000 + 5.63% * -8.818
+ 8.39% * -1.618 + 11.15% * 9.319 + 35.96% * 9.141
+ 7.64% * 0.000 + 15.43% * 5.742 + 4.43% * -1.710
+ 1.40% * -7.439

GPIP = -0.315 + -0.684 + -0.496
+ -0.136 + 1.039 + 3.287
+ 0.000 + 0.886 + -0.076
+ -0.104

GPIP = 3.401 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 = $3,673,726

EXHIBIT NO. PAB-1
TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
GPIF 2020 FINAL TRUE-UP
DOCUMENT NO. 2

EXHIBIT TO THE TESTIMONY OF

PATRICK A. BOKOR

DOCKET NO. 20210001-EI

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2020 – DECEMBER 2020

TRUE-UP

DOCUMENT NO. 2

ACTUAL UNIT PERFORMANCE DATA

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2020 - DECEMBER 2020

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 4		**Jan-20**	**Feb-20**	**Mar-20**	**Apr-20**	**May-20**	**Jun-20**	**Jul-20**	**Aug-20**	**Sep-20**	**Oct-20**	**Nov-20**	**Dec-20**	**2020**
1. Equivalent Availability Factor (%)	EAF	0.9	0.0	0.0	0.0	0.2	31.6	29.5	40.3	55.8	32.6	79.5	44.0	35.7
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,784.0
3. Service Hours	SH	629.2	0.0	0.0	0.0	1.4	580.8	738.6	425.2	602.7	366.4	664.4	407.8	4,416.5
4. Reserve Shutdown Hours	RSH	97.3	0.0	0.0	0.0	0.0	0.0	0.0	101.9	0.0	0.0	0.0	0.0	199.2
5. Unavailable Hours	UH	17.5	696.0	743.0	720.0	742.6	139.2	5.4	217.0	117.4	377.6	56.6	336.2	4,169.5
6. Planned Outage Hours	POH	17.5	696.0	743.0	720.0	659.8	0.0	0.0	0.0	0.0	377.6	47.3	0.0	3,262.2
7. Forced Outage Hours	FOH	0.0	0.0	0.0	0.0	0.0	2.0	5.4	0.0	11.3	0.0	9.3	336.2	364.2
8. Maintenance Outage Hours	MOH	0.0	0.0	0.0	0.0	82.8	137.2	0.0	217.0	106.1	0.0	0.0	0.0	543.1
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	510.8	407.8	918.6
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.0	85.0	79.4
10a. Partial Forced Outage Hours	PFOH	509.5	0.0	0.0	0.0	0.0	471.0	738.7	527.0	0.0	347.8	0.0	0.0	2,594.0
10b. Load Reduction Partial Forced (MW)	LRPF	37.1	0.0	0.0	0.0	0.0	182.0	257.0	182.0	0.0	150.0	0.0	0.0	170.6
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	0.0	0.0	138.2	87.0	0.0	0.0	0.0	0.0	0.0	225.2
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0	0.0	0.0	267.0	337.0	0.0	0.0	0.0	0.0	0.0	294.0
12. Net Summer Continuous Rating (MW)	NSC	347.0	347.0	347.0	347.0	347.0	422.0	422.0	422.0	422.0	422.0	422.0	422.0	390.8
13. Operating British Thermal Units (GBTU)	OPR BTU	1,977.2	0.0	0.0	0.0	0.0	1,230.0	1,592.4	1,018.3	1,477.8	830.0	2,180.3	1,213.0	11,518.9
14. Net Generation (MWH)	NETGEN	188,162.0	0.0	1.0	0.0	-2,245.0	106,678.0	141,282.0	87,762.0	134,685.0	84,214.0	197,333.0	116,234.0	1,054,106.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	10,508.0	0.0	0.0	0.0	0.0	11,530.0	11,271.0	11,603.0	10,972.0	9,856.0	11,049.0	10,436.0	10,927.6
16. Net Output Factor (%)	NOF	85.0	0.0	0.0	0.0	-455.6	52.9	45.3	48.9	53.0	54.5	70.4	66.0	60.8
17. Net Period Continuous Rating (MW)	NPC	352.0	352.0	352.0	347.0	347.0	422.0	422.0	422.0	422.0	422.0	422.0	432.0	392.8
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-5.6236) + 11,149												

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ACTUAL UNIT PERFORMANCE DATA

JANUARY 2020 - DECEMBER 2020

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
POLK 1		**Jan-20**	**Feb-20**	**Mar-20**	**Apr-20**	**May-20**	**Jun-20**	**Jul-20**	**Aug-20**	**Sep-20**	**Oct-20**	**Nov-20**	**Dec-20**	**2020**
1. Equivalent Availability Factor (%)	EAF	97.9	81.1	89.2	61.4	27.7	91.7	75.8	93.7	99.2	78.1	40.6	4.1	69.9
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,784.0
3. Service Hours	SH	211.9	120.4	662.4	438.8	206.3	717.9	476.1	216.8	347.5	286.4	252.9	15.9	3,953.3
4. Reserve Shutdown Hours	RSH	516.8	444.0	0.0	44.0	0.0	0.0	174.8	527.3	366.4	294.6	39.3	14.7	2,421.9
5. Unavailable Hours	UH	15.3	131.6	80.6	237.2	537.7	2.1	93.1	0.0	6.2	163.0	427.8	713.5	2,408.1
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	359.8	108.0	467.8
7. Forced Outage Hours	FOH	1.6	10.7	0.0	154.1	537.7	2.1	0.0	0.0	6.2	150.8	0.0	605.5	1,468.7
8. Maintenance Outage Hours	MOH	13.7	120.9	80.6	83.1	0.0	0.0	93.1	0.0	0.0	12.3	68.0	0.0	471.7
9a. Partial Planned Outage Hours	PPOH	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
9b. Load Reduction Partial Planned (MW)	LRPP	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
10a. Partial Forced Outage Hours	PFOH	0.0	0.0	0.0	107.1	0.0	717.9	650.9	566.9	0.0	0.0	0.0	0.0	2,042.8
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	0.0	0.0	90.0	0.0	18.9	28.0	13.3	0.0	0.0	0.0	0.0	24.0
11a. Partial Maintenance Outage Hours	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
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	119.8	229.6	0.0	0.0
12. Net Summer Continuous Rating (MW)	NSC	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	202.0	202.0	202.0	202.0	207.3
13. Operating British Thermal Units (GBTU)	OPR BTU	256.3	157.0	877.3	555.1	298.1	1,068.7	613.0	256.9	440.2	338.7	322.1	19.5	5,202.9
14. Net Generation (MWH)	NETGEN	30,426.0	15,360.0	101,937.0	62,777.0	33,685.0	130,490.0	68,825.0	27,805.0	46,082.0	35,386.0	34,985.0	-648.0	587,110.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	8,424.0	10,218.0	8,606.0	8,843.0	8,849.0	8,188.0	11,271.0	11,603.0	9,553.0	9,572.0	9,206.0	0.0	8,861.8
16. Net Output Factor (%)	NOF	59.3	52.7	63.4	60.9	69.0	77.4	68.8	61.1	65.7	61.2	68.5	-22.7	70.3
17. Net Period Continuous Rating (MW)	NPC	230.0	230.0	230.0	210.0	210.0	210.0	210.0	210.0	210.0	202.0	202.0	180.0	211.2
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-7.778) + 10,842												

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JANUARY 2020 - DECEMBER 2020

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POLK 2		**Jan-20**	**Feb-20**	**Mar-20**	**Apr-20**	**May-20**	**Jun-20**	**Jul-20**	**Aug-20**	**Sep-20**	**Oct-20**	**Nov-20**	**Dec-20**	**2020**
1. Equivalent Availability Factor (%)	EAF	99.4	92.2	99.3	96.1	91.4	82.8	95.5	92.9	72.0	64.2	62.3	81.3	89.5
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,784.0
3. Service Hours	SH	741.6	675.1	733.0	714.9	709.0	597.6	732.1	736.4	607.0	590.0	589.6	664.3	8,090.6
4. Reserve Shutdown Hours	RSH	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
5. Unavailable Hours	UH	2.4	20.9	5.5	5.1	35.0	122.4	11.9	7.6	113.0	154.0	131.4	79.7	688.9
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	101.8	15.8	82.9	38.7	246.0
7. Forced Outage Hours	FOH	0.1	7.7	5.5	0.1	0.0	122.4	0.3	0.8	5.2	130.9	48.5	28.7	350.2
8. Maintenance Outage Hours	MOH	2.3	13.2	0.0	5.0	35.0	0.0	11.6	0.0	6.1	7.2	0.0	12.2	92.6
9a. Partial Planned Outage Hours	PPOH	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
9b. Load Reduction Partial Planned (MW)	LRPP	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
10a. Partial Forced Outage Hours	PFOH	9.2	14.3	0.0	33.6	0.4	6.0	43.0	134.5	39.1	349.7	172.6	74.8	877.2
10b. Load Reduction Partial Forced (MW)	LRPF	166.1	179.5	0.0	338.2	126.2	241.0	133.6	120.8	55.3	136.5	138.2	182.1	144.0
11a. Partial Maintenance Outage Hours	PMOH	0.0	106.6	0.0	15.4	107.7	0.0	35.8	40.0	311.6	33.6	176.8	103.2	930.7
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	125.0	0.0	125.0	125.0	0.0	119.8	119.8	123.8	119.8	229.6	143.8	145.9
12. Net Summer Continuous Rating (MW)	NSC	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0
13. Operating British Thermal Units (GBTU)	OPR BTU	4,418.6	4,119.3	4,573.1	4,030.8	3,911.8	3,627.4	3,718.0	3,677.7	2,648.7	2,516.2	2,624.7	3,618.2	43,484.4
14. Net Generation (MWH)	NETGEN	636,822.0	593,139.0	665,332.0	581,812.0	559,597.0	514,715.0	521,798.0	518,105.0	373,027.0	291,570.0	366,035.0	512,193.0	6,134,145.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	6,938.0	6,945.0	6,873.0	6,928.0	6,990.0	7,048.0	7,125.0	7,098.0	7,100.0	7,307.0	7,171.0	7,064.0	7,088.9
16. Net Output Factor (%)	NOF	71.3	71.0	75.5	76.2	70.9	78.3	66.1	65.6	49.0	44.8	48.1	57.4	67.5
17. Net Period Continuous Rating (MW)	NPC	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
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-53.862) + 11,266												

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BAYSIDE 1		**Jan-20**	**Feb-20**	**Mar-20**	**Apr-20**	**May-20**	**Jun-20**	**Jul-20**	**Aug-20**	**Sep-20**	**Oct-20**	**Nov-20**	**Dec-20**	**2020**
1. Equivalent Availability Factor (%)	EAF	99.1	88.3	48.0	99.9	97.3	98.7	91.4	98.6	98.2	99.1	96.7	55.7	89.5
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,784.0
3. Service Hours	SH	739.2	480.7	348.7	717.4	730.6	713.9	681.0	736.9	711.4	739.7	705.0	1.3	7,305.8
4. Reserve Shutdown Hours	RSH	0.0	142.0	10.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	413.2	567.0
5. Unavailable Hours	UH	4.8	73.3	384.2	0.9	13.4	6.1	63.0	7.1	8.6	4.3	16.0	329.5	911.2
6. Planned Outage Hours	POH	0.0	57.5	275.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	329.5	673.8
7. Forced Outage Hours	FOH	1.2	0.0	109.2	0.9	13.4	0.0	0.0	7.1	0.6	0.0	0.0	0.0	132.4
8. Maintenance Outage Hours	MOH	3.6	15.8	0.0	0.0	0.0	6.1	63.0	0.0	8.0	4.3	4.2	0.0	105.0
9a. Partial Planned Outage Hours	PPOH	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
9b. Load Reduction Partial Planned (MW)	LRPP	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
10a. Partial Forced Outage Hours	PFOH	2.1	0.0	7.6	0.0	16.8	0.0	3.3	10.6	0.9	0.0	0.0	0.0	41.3
10b. Load Reduction Partial Forced (MW)	LRPF	69.4	0.0	79.0	0.0	94.1	0.0	79.1	79.0	79.1	0.0	0.0	0.0	84.7
11a. Partial Maintenance Outage Hours	PMOH	4.8	23.9	0.0	0.0	0.0	9.1	0.0	0.0	11.9	6.4	16.5	0.2	72.9
11b. Load Reduction Partial Maintenance (MW)	LRPM	78.0	80.4	0.0	0.0	0.0	79.0	0.0	0.0	79.0	79.0	114.1	258.6	87.9
12. Net Summer Continuous Rating (MW)	NSC	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0
13. Operating British Thermal Units (GBTU)	OPR BTU	1,875.0	1,493.5	1,050.7	2,025.6	2,499.8	2,267.2	2,404.8	2,912.4	2,241.8	2,354.4	2,180.4	0.0	23,305.7
14. Net Generation (MWH)	NETGEN	248,230.8	203,342.1	140,773.6	274,428.4	339,658.8	290,222.0	323,875.6	395,805.8	302,915.5	319,377.5	305,529.4	0.0	3,144,159.5
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,554.0	7,345.0	7,464.0	7,381.0	7,360.0	7,812.0	7,425.0	7,358.0	7,401.0	7,401.0	7,136.0	0.0	7,412.4
16. Net Output Factor (%)	NOF	42.1	53.4	50.8	54.6	65.1	57.5	66.3	75.9	60.0	61.2	60.5	0.0	58.8
17. Net Period Continuous Rating (MW)	NPC	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
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-2.852) + 7,630												

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BAYSIDE 2		**Jan-20**	**Feb-20**	**Mar-20**	**Apr-20**	**May-20**	**Jun-20**	**Jul-20**	**Aug-20**	**Sep-20**	**Oct-20**	**Nov-20**	**Dec-20**	**2020**
1. Equivalent Availability Factor (%)	EAF	71.3	95.4	99.9	98.5	83.8	97.8	95.3	91.9	99.2	99.6	46.3	99.0	90.6
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,784.0
3. Service Hours	SH	85.2	672.4	742.3	712.7	663.8	709.4	720.5	744.0	715.9	742.0	339.7	738.6	7,586.5
4. Reserve Shutdown Hours	RSH	448.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	408.5
5. Unavailable Hours	UH	210.0	23.6	0.7	7.3	80.2	10.6	23.5	40.3	4.1	2.0	381.3	5.4	789.0
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	381.3	0.0	381.3
7. Forced Outage Hours	FOH	3.5	6.5	0.0	7.3	26.2	3.9	11.1	0.0	0.0	0.0	0.0	1.7	60.2
8. Maintenance Outage Hours	MOH	206.5	17.1	0.7	0.0	54.0	6.7	12.3	40.3	4.1	2.0	0.0	3.7	347.4
9a. Partial Planned Outage Hours	PPOH	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
9b. Load Reduction Partial Planned (MW)	LRPP	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
10a. Partial Forced Outage Hours	PFOH	4.8	11.2	0.0	14.2	47.9	7.7	21.8	0.0	0.0	0.0	0.0	2.9	110.5
10b. Load Reduction Partial Forced (MW)	LRPF	77.1	77.0	0.0	77.0	89.4	67.0	77.0	0.0	0.0	0.0	0.0	77.1	81.7
11a. Partial Maintenance Outage Hours	PMOH	9.6	20.2	1.2	0.0	105.6	13.1	24.1	78.8	8.0	3.9	10.4	6.4	281.3
11b. Load Reduction Partial Maintenance (MW)	LRPM	77.0	92.4	77.4	0.0	77.0	77.0	77.0	77.0	77.0	77.0	154.8	77.1	81.0
12. Net Summer Continuous Rating (MW)	NSC	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0
13. Operating British Thermal Units (GBTU)	OPR BTU	189.5	2,657.5	3,038.4	3,056.0	2,699.8	3,308.5	3,631.2	3,462.6	3,138.8	2,928.7	1,058.7	3,370.3	32,540.1
14. Net Generation (MWH)	NETGEN	22,308.2	357,443.8	406,847.3	417,285.6	366,298.4	431,349.1	495,327.5	471,829.2	428,814.5	398,819.3	138,818.6	463,595.0	4,398,736.5
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	8,496.0	7,435.0	7,468.0	7,324.0	7,371.0	7,670.0	7,331.0	7,339.0	7,320.0	7,343.0	7,626.0	7,270.0	7,397.6
16. Net Output Factor (%)	NOF	25.0	49.1	52.2	62.4	53.0	64.5	71.7	68.3	64.1	57.7	42.9	59.5	59.8
17. Net Period Continuous Rating (MW)	NPC	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
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-6.673) + 7,965												

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