



March 14, 2025

**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. 20250001-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 2024.
2. Prepared Direct Testimony and Exhibit of Adam L. Parke regarding Generating Performance Incentive Factor True-Up for the period January 2024 through December 2024.

Thank you for your assistance in connection with this matter.

Sincerely,

A handwritten signature in blue ink that reads 'Malcolm N. Means'.

Malcolm N. Means

MNM/bml  
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 14<sup>th</sup> day of March 2025 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. 20250001-EI  
FILED: March 14, 2025

**TAMPA ELECTRIC COMPANY'S PETITION FOR APPROVAL OF  
GENERATING PERFORMANCE INCENTIVE FACTOR RESULTS  
FOR THE TWELVE-MONTH PERIOD ENDING DECEMBER 2024**

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 2024. In support of this Petition, Tampa Electric states as follows:

1. By Order No. PSC-2023-0343-FOF-EI, dated November 16, 2023, the Commission approved Tampa Electric's GPIF targets for the period January 2024 through December 2024. The application of the GPIF formula to the performance of the company's GPIF units during that period produces a reward of \$6,364,097. The calculation of the company's GPIF reward is discussed and supported in the prepared direct testimony and exhibit of Tampa Electric witness Adam L. Parke, 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 \$6,364,097 as its GPIF reward for the period ending December 2024 and authorize the inclusion of this amount in the calculation of Tampa Electric's fuel factors for the period beginning January 2026.

DATED this 14th day of March 2025.

Respectfully submitted,



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ATTORNEYS FOR TAMPA ELECTRIC COMPANY



BEFORE THE  
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 20250001-EI  
IN RE: FUEL & PURCHASED POWER COST RECOVERY  
AND  
CAPACITY COST RECOVERY

GENERATING PERFORMANCE INCENTIVE FACTOR  
TRUE-UP  
JANUARY 2024 THROUGH DECEMBER 2024

TESTIMONY AND EXHIBIT  
OF  
ADAM L. PARKE

1                                   **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2                                   **PREPARED DIRECT TESTIMONY**

3                                   **OF**

4                                   **ADAM L. PARKE**

5  
6   **Q.**   Please state your name, business address, occupation, and  
7           employer.

8  
9   **A.**   My name is Adam L. Parke. My business address is 702 North  
10          Franklin Street, Tampa, Florida 33602. I am employed by Tampa  
11          Electric Company ("Tampa Electric" or "company") in the  
12          position of Supervisor, Mechanical Reliability in the Asset  
13          Management department.

14  
15   **Q.**   Please provide a brief outline of your educational background  
16          and business experience.

17  
18   **A.**   I received a Bachelor of Science degree in Mechanical  
19          Engineering from the University of South Florida in 1999 and  
20          a Master of Business Administration in 2012 from the  
21          University of Tampa. I have accumulated 18 years of  
22          experience in the electric utility industry, with experience  
23          in the areas of generation planning, plant engineering/  
24          maintenance, and plant operations engineer. In my previous  
25          role as a Senior Engineer, I was responsible for the balance

1 of plant equipment on the Big Bend Modernization project to  
2 convert Big Bend Unit 1 from a coal unit to a combined-cycle  
3 unit. In my current role as Supervisor, Mechanical  
4 Reliability, I am responsible for supervising the  
5 development and implementation of fleet wide maintenance and  
6 inspection programs for boilers, high energy piping, and  
7 turbines to help ensure equipment operational reliability.

8  
9 **Q.** What is the purpose of your testimony?

10  
11 **A.** The purpose of my testimony is to present Tampa Electric's  
12 actual performance results from unit equivalent availability  
13 and heat rate used to determine the Generating Performance  
14 Incentive Factor ("GPIF") for the period January 2024 through  
15 December 2024. I will also compare these results to the  
16 targets established for the period.

17  
18 **Q.** Have you prepared an exhibit to support your testimony?

19  
20 **A.** Yes, I prepared Exhibit No. ALP-1, consisting of two  
21 documents. Document No. 1, entitled "GPIF Schedules" is  
22 consistent with the GPIF Implementation Manual approved by  
23 the Florida Public Service Commission ("FPSC" or  
24 "Commission"). Document No. 2 provides the company's Actual  
25 Unit Performance Data for the 2024 period.



- 1 **Q.** Which generating units on Tampa Electric's system are included  
2 in the determination of the GPIF?  
3
- 4 **A.** Big Bend Unit 1, Polk Unit 2, and Bayside Units 1 and 2 are  
5 included in the calculation of the GPIF.  
6
- 7 **Q.** Have you calculated the results of Tampa Electric's  
8 performance under the GPIF during the January 2024 through  
9 December 2024 period?  
10
- 11 **A.** Yes, I have. This is shown on Document No. 1, page 4 of 22.  
12 Based upon 4.542 Generating Performance Incentive Points  
13 ("GPIP"), the result is a reward amount of \$6,364,097 for the  
14 period.  
15
- 16 **Q.** Please proceed with your review of the actual results for the  
17 January 2024 through December 2024 period.  
18
- 19 **A.** On Document No. 1, page 3 of 22, the actual average common  
20 equity for the period is shown on line 14 as \$5,125,691,145.  
21 The maximum allowed Jurisdictional Incentive is shown on line  
22 21 as \$17,217,870. The incentive cap of 50 percent of the  
23 projected fuel savings is \$14,012,453. This produces the  
24 maximum penalty or reward amount of \$14,012,453 as shown on  
25 line 23.

1 Q. Will you please explain how you arrived at the actual  
2 equivalent availability results for the four units included  
3 within the GPIF?  
4

5 A. Yes. Operating data for each of the units is filed monthly  
6 with the Commission on the Actual Unit Performance Data form.  
7 Additionally, outage information is reported to the Commission  
8 monthly. A summary of this data for the 12 months provides  
9 the basis for the GPIF.  
10

11 Q. Are the actual equivalent availability results shown on  
12 Document No. 1, page 6 of 22, column 2, directly applicable  
13 to the GPIF table?  
14

15 A. No. Adjustments to actual equivalent availability may be  
16 required as noted in Section 4.3.3 of the GPIF Manual. The  
17 actual equivalent availability, including the required  
18 adjustment is shown on Document No. 1, page 6 of 22, column  
19 4. The necessary adjustments as prescribed in the GPIF Manual  
20 are further defined by a letter dated October 23, 1981, from  
21 Mr. J. H. Hoffsis of the Commission's Staff. The adjustments  
22 for each unit are as follows:  
23

24 **Big Bend Unit No. 1**

25 On this unit, 120 planned outage hours were originally

1 scheduled for 2024. Actual outage activities required 534.5  
2 equivalent planned outage hours. Consequently, the actual  
3 equivalent availability of 89.7 percent is adjusted to 94.3  
4 percent, as shown on Document No. 1, page 7 of 22.

5  
6 **Polk Unit No. 2**

7 On this unit, 586 planned outage hours were originally  
8 scheduled for 2024. Actual outage activities required 548.3  
9 equivalent planned outage hours. Consequently, the actual  
10 equivalent availability of 90.5 percent is adjusted to 90.3  
11 percent, as shown on Document No. 1, page 8 of 22.

12  
13 **Bayside Unit No. 1**

14 On this unit, 1,680 planned outage hours were originally  
15 scheduled for 2024. Actual outage activities required 388.9  
16 equivalent planned outage hours. Consequently, the actual  
17 equivalent availability of 93.2 percent is adjusted to 78.9  
18 percent, as shown on Document No. 1, page 9 of 22.

19  
20 **Bayside Unit No. 2**

21 On this unit, 2,208 planned outage hours were originally  
22 scheduled for 2024. Actual outage activities required 2,650.8  
23 equivalent planned outage hours. Consequently, the actual  
24 equivalent availability of 54.7 percent is adjusted to 58.7  
25 percent, as shown on Document No. 1, page 10 of 22.

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

3

4 **A.** The final adjusted equivalent availabilities for each unit  
5 are shown on Document No. 1, page 6 of 22, column 4. This  
6 number is incorporated in the respective GPIF table for each  
7 unit, shown on pages 17 through 20 of 22. Page 4 of 22  
8 summarizes the weighted equivalent availability points to be  
9 awarded or penalized.

10

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

13

14 **A.** The actual heat rate and adjusted actual heat rate for Tampa  
15 Electric's four GPIF units are shown on Document No. 1, page  
16 6 of 22. The adjustment was developed based on the guidelines  
17 of Section 4.3.16 of the GPIF Manual. This procedure is  
18 further defined by a letter dated October 23, 1981, from Mr.  
19 J. H. Hoffsis of the FPSC Staff. The final adjusted actual  
20 heat rates are also shown on page 5 of 22, column 9. The heat  
21 rate value is incorporated in the respective GPIF table for  
22 each unit, shown on pages 17 through 20 of 22. Page 4 of 22  
23 summarizes the weighted heat rate points to be awarded or  
24 penalized.

25

1 **Q.** What is the overall GPIIP for Tampa Electric for the January  
2 2024 through December 2024 period?

3

4 **A.** This is shown on Document No. 1, page 2 of 22. The weighting  
5 factors shown on page 4 of 22, column 3, plus the equivalent  
6 availability points and the heat rate points shown on page 4  
7 of 22, column 4, are substituted within the equation found on  
8 page 22 of 22. The resulting value of 4.542 is in the GPIIF  
9 table on page 2 of 22, and the reward amount of \$6,364,097 is  
10 calculated using linear interpolation.

11

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

14

15 **A.** Yes. Incentive dollars are not to exceed 50 percent of fuel  
16 savings. Tampa Electric met this constraint, limiting the  
17 total potential reward and penalty incentive dollars to  
18 \$14,012,453 as shown on Document No. 1, page 3 of 22.

19

20 **Q.** Does this conclude your testimony?

21

22 **A.** Yes.

23

24

25

GENERATING PERFORMANCE INCENTIVE FACTOR

INDEX

DOCUMENT NO.	TITLE	BATES STAMPED PAGE NO.
1	GPIF Schedules	9
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EXHIBIT NO. ALP-1  
TAMPA ELECTRIC COMPANY  
DOCKET NO. 20250001-EI  
GPIF 2024 FINAL TRUE-UP  
DOCUMENT NO. 1

EXHIBIT TO THE TESTIMONY OF  
ADAM L. PARKE

DOCKET NO. 20250001-EI

TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE FACTOR  
JANUARY 2024 - DECEMBER 2024  
TRUE-UP

DOCUMENT NO. 1  
GPIF SCHEDULES

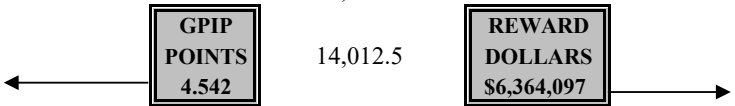
**TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE FACTOR  
JANUARY 2024 - DECEMBER 2024  
TRUE-UP  
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**TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE FACTOR  
REWARD / PENALTY TABLE - ACTUAL  
JANUARY 2024 - DECEMBER 2024**

<b>GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)</b>	<b>FUEL SAVINGS / (LOSS) (\$000)</b>	<b>GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)</b>
+10	28,024.9	14,012.5
+9	25,222.4	12,611.2
+8	22,419.9	11,210.0
+7	19,617.4	9,808.7
+6	16,814.9	8,407.5
+5	14,012.5	7,006.2
+4	11,210.0	5,605.0
+3	8,407.5	4,203.7
+2	5,605.0	2,802.5
+1	2,802.5	1,401.2
0	0.0	0.0
-1	(4,133.4)	(1,401.2)
-2	(8,266.7)	(2,802.5)
-3	(12,400.1)	(4,203.7)
-4	(16,533.5)	(5,605.0)
-5	(20,666.9)	(7,006.2)
-6	(24,800.2)	(8,407.5)
-7	(28,933.6)	(9,808.7)
-8	(33,067.0)	(11,210.0)
-9	(37,200.3)	(12,611.2)
-10	(41,333.7)	(14,012.5)



**TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE FACTOR  
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS - ACTUAL  
JANUARY 2024 - DECEMBER 2024**

Line 1	Beginning of period balance of common equity:		\$	4,723,479,016	
	End of month common equity:				
Line 2	Month of January	2024	\$	4,749,226,653	
Line 3	Month of February	2024	\$	4,982,671,276	
Line 4	Month of March	2024	\$	5,002,286,644	
Line 5	Month of April	2024	\$	5,029,613,614	
Line 6	Month of May	2024	\$	5,140,410,353	
Line 7	Month of June	2024	\$	5,194,714,118	
Line 8	Month of July	2024	\$	5,255,845,482	
Line 9	Month of August	2024	\$	5,318,003,535	
Line 10	Month of September	2024	\$	5,379,033,130	
Line 11	Month of October	2024	\$	5,227,071,662	
Line 12	Month of November	2024	\$	5,308,772,271	
Line 13	Month of December	2024	\$	5,322,857,136	
Line 14	(Summation of line 1 through line 13 divided by 13)		\$	5,125,691,145	
Line 15	25 Basis points			0.0025	
Line 16	Revenue Expansion Factor			74.42%	
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)		\$	17,217,870	
Line 18	Jurisdictional Sales			20,691,183	MWH
Line 19	Total Sales			20,691,183	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)		\$	17,217,870	
Line 22	Incentive Cap (50% of projected fuel savings at 10 GPIF-Point level from Sheet No. 3.515)		\$	14,012,453	
<b>Line 23</b>	<b>Maximum Allowed GPIF Reward (At 10 GPIF-Point Level; the lesser of line 21 and line 22)</b>		<b>\$</b>	<b>14,012,453</b>	

**TAMPA ELECTRIC COMPANY  
CALCULATION OF SYSTEM GPIF POINTS - ACTUAL  
JANUARY 2024 - DECEMBER 2024**

<u>PLANT / UNIT</u>	<u>12 MONTH ADJ. ACTUAL PERFORMANCE</u>		<u>WEIGHTING FACTOR %</u>	<u>UNIT POINTS</u>	<u>WEIGHTED UNIT POINTS</u>
BIG BEND 1 CC	94.3%	EAF	34.99%	10.000	3.499
POLK 2	90.3%	EAF	0.59%	10.000	0.059
BAYSIDE 1	78.9%	EAF	2.25%	6.143	0.138
BAYSIDE 2	58.7%	EAF	5.31%	-10.000	-0.531
BIG BEND 1 CC	6,579	ANOHR	14.82%	0.000	0.000
POLK 2	7,154	ANOHR	27.08%	0.000	0.000
BAYSIDE 1	7,198	ANOHR	3.71%	6.774	0.251
BAYSIDE 2	7,304	ANOHR	11.25%	10.000	1.125
			100.00%		4.542

<b>GPIF REWARD</b>	<b>\$ 6,364,097</b>
--------------------	---------------------

TAMPA ELECTRIC COMPANY  
GPIF TARGET AND RANGE SUMMARY

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	WEIGHTING FACTOR (%)	EMF TARGET (%)	EMF MAX. (%)	EMF RANGE MIN. (%)	MAX. FUEL SAVINGS (\$000)	MAX. FUEL LOSS (\$000)	EMF ADJUSTED ACTUAL (%)	EST. FUEL SAVINGS/LOSS (\$000)
BIG BEND CC 1	34.99%	71.5	77.0	60.5	9,806.2	(17,195.4)	94.3%	9,806.2
POLK 2	0.59%	88.3	89.6	85.6	165.9	(3,979.2)	90.3%	165.9
BAYSIDE 1	2.25%	78.0	79.5	74.9	631.8	(1,288.1)	78.9%	388.1
BAYSIDE 2	5.31%	73.2	74.8	70.0	1,488.5	(2,938.6)	58.7%	(2,938.6)
<b>GPIF SYSTEM</b>	<b>43.15%</b>				<b>12,092.4</b>	<b>(25,401.2)</b>		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	WEIGHTING FACTOR (%)	TARGET ANOHR (Btu/kwh)	NOF (%)	ANOHR TARGET RANGE MIN. MAX.	MAX. FUEL SAVINGS (\$000)	MAX. FUEL LOSS (\$000)	ACTUAL ADJUSTED ANOHR	EST. FUEL SAVINGS/LOSS (\$000)
BIG BEND CC 1	14.82%	6,513	76.5	6,351 6,676	4,152.1	(4,152.1)	6,579	0.0
POLK 2	27.08%	7,186	65.2	6,862 7,510	7,588.7	(7,588.7)	7,154	0.0
BAYSIDE 1	3.71%	7,401	65.2	7,137 7,664	1,039.1	(1,039.1)	7,198	703.9
BAYSIDE 2	11.25%	7,505	51.5	7,403 7,608	3,152.6	(3,152.6)	7,304	3,152.6
<b>GPIF SYSTEM</b>	<b>68.10%</b>				<b>15,932.5</b>	<b>(15,932.5)</b>		

**TAMPA ELECTRIC COMPANY  
UNIT PERFORMANCE DATA - ACTUAL  
JANUARY 2024 - DECEMBER 2024**

<u>PLANT / UNIT</u>	<u>ACTUAL EAF (%)</u>	<u>ADJUSTMENTS (1) TO EAF (%)</u>	<u>EAF ADJUSTED ACTUAL (%)</u>
BIG BEND CC 1	89.7	4.6	94.3
POLK 2	90.5	-0.2	90.3
BAYSIDE 1	93.2	-14.3	78.9
BAYSIDE 2	54.7	4.0	58.7

<u>PLANT / UNIT</u>	<u>ACTUAL ANOHR (Btu/kwh)</u>	<u>ADJUSTMENTS (2) TO ANOHR (Btu/kwh)</u>	<u>ANOHR ADJUSTED ACTUAL (Btu/kwh)</u>
BIG BEND CC 1	6,595	-16	6,579
POLK 2	7,250	-96	7,154
BAYSIDE 1	7,288	-90	7,198
BAYSIDE 2	7,297	7	7,304

(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 CC 1  
JANUARY 2024 - DECEMBER 2024**

**WEIGHTING FACTOR =** 34.99%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,784.0	8,784.0	8,784.0
EAF	71.5	89.7	94.3
POH + EPOH	120.0	534.5	120.0
FOH + EFOH	1,546.3	284.8	299.1
MOH + EMOH	836.7	77.8	81.7
POF	1.4	6.1	1.4
EFOF	17.6	3.2	3.4
EMOF	9.5	0.9	0.9
	<b>10.000</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 120}{8784 - 534.5} \times (284.8 + 77.8) = 380.8$$

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

$$100 - 1.4 - \frac{380.8}{8,784.0} \times 100 = 94.3$$

PH = PERIOD HOURS  
EAF = EQUIVALENT AVAILABILITY FACTOR  
POH = PLANNED OUTAGE HOURS  
EPOH = EQUIVALENT 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 2024 - DECEMBER 2024**

**WEIGHTING FACTOR =** 0.59%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,784.0	8,784.0	8,784.0
EAF	88.3	90.5	90.3
POH + EPOH	586.0	548.3	586.0
FOH + EFOH	146.6	201.7	200.8
MOH + EMOH	297.4	66.7	66.4
POF	6.7	6.2	6.7
EFOF	1.7	2.3	2.3
EMOF	3.4	0.8	0.8
	<b>10.000</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 586}{8784 - 548.3} \times (201.7 + 66.7) = 267.2$$

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

$$100 - 6.7 - \frac{267.2}{8,784.0} \times 100 = 90.3$$

- PH = PERIOD HOURS
- EAF = EQUIVALENT AVAILABILITY FACTOR
- POH = PLANNED OUTAGE HOURS
- EPOH = EQUIVALENT 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 2024 - DECEMBER 2024**

**WEIGHTING FACTOR = 2.25%**

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,784.0	8,784.0	8,784.0
EAF	78.0	93.2	78.9
POH + EPOH	1,680.0	388.9	1,680.0
FOH + EFOH	53.0	63.7	53.9
MOH + EMOH	203.5	143.7	121.6
POF	19.1	4.4	19.1
EFOF	0.6	0.7	0.6
EMOF	2.3	1.6	1.4
	<b>6.143</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 1680}{8784 - 388.9} \times (63.7 + 143.7) = 175.5$$

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

$$100 - 19.1 - \frac{175.5}{8,784.0} \times 100 = 78.9$$

- PH = PERIOD HOURS
- EAF = EQUIVALENT AVAILABILITY FACTOR
- POH = PLANNED OUTAGE HOURS
- EPOH = EQUIVALENT 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 2024 - DECEMBER 2024**

**WEIGHTING FACTOR =** 5.31%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,784.0	8,784.0	8,784.0
EAF	73.2	54.7	58.7
POH + EPOH	2,208.0	2,650.8	2,208.0
FOH + EFOH	35.0	714.5	766.1
MOH + EMOH	109.7	615.4	659.8
POF	25.1	30.2	25.1
EFOF	0.4	8.1	8.7
EMOF	1.2	7.0	7.5
	<b>-10.000</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 2208}{8784 - 2650.8} \times (714.5 + 615.4) = 1425.9$$

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

$$100 - 25.1 - \frac{1425.9}{8,784.0} \times 100 = 58.7$$

PH = PERIOD HOURS  
EAF = EQUIVALENT AVAILABILITY FACTOR  
POH = PLANNED OUTAGE HOURS  
EPOH = EQUIVALENT 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 CC 1  
JANUARY 2024 - DECEMBER 2024**

**WEIGHTING FACTOR =** 14.82%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	6,513	6,595
NET GENERATION (GWH)	6,802.1	6,572.1
OPERATING BTU (10 <sup>9</sup> )	43,098.9	43,343.3
NET OUTPUT FACTOR	76.5	70.4

**0.000 HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION:       $\text{NOF} * (-2.64) + 6715.33 = \text{ANOHR}$

$70.4 * (-2.64) + 6715.33 = 6,529$

$6,595 - 6,529 = 66$

$6,513 + 66 = 6,579$  ← 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 2024 - DECEMBER 2024**

**WEIGHTING FACTOR = 27.08%**

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7,186	7,250
NET GENERATION (GWH)	6,032.9	5,493.8
OPERATING BTU (10 <sup>9</sup> )	41,952.2	39,830.7
NET OUTPUT FACTOR	65.2	59.2

**0.000 HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION:  $\text{NOF} * (-16.07) + 8233.79 = \text{ANOHR}$

$59.2 * (-16.07) + 8233.79 = 7,282$

$7,250 - 7,282 = -32$

$7,186 + -32 = 7,154$  ← 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 2024 - DECEMBER 2024**

**WEIGHTING FACTOR = 3.71%**

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7,401	7,288
NET GENERATION (GWH)	2,687.6	3,238.5
OPERATING BTU (10 <sup>9</sup> )	18,783.8	23,602.5
NET OUTPUT FACTOR	65.2	53.9

**6.774 HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION:       $\text{NOF} * (-7.99) + 7921.25 = \text{ANOHR}$

$53.9 * (-7.99) + 7921.25 = 7,491$

$7,288 - 7,491 = -203$

$7,401 + -203 = 7,198$  ← 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 2024 - DECEMBER 2024**

**WEIGHTING FACTOR = 11.25%**

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7,505	7,297
NET GENERATION (GWH)	2,567.4	1,775.0
OPERATING BTU (10 <sup>9</sup> )	19,610.2	12,951.7
NET OUTPUT FACTOR	51.5	52.2

**10.000 HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION:  $NOF * (-10.94) + 8068.03 = ANOHR$

$52.2 * (-10.94) + 8068.03 = 7,497$

$7,297 - 7,497 = -201$

$7,505 + -201 = 7,304$  ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

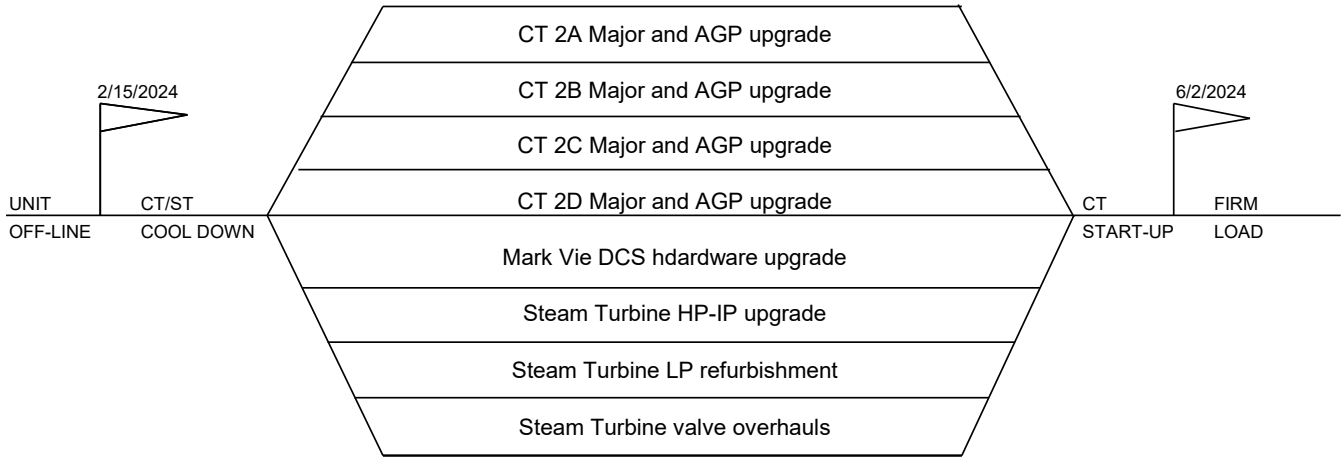
ANOHR = AVERAGE NET OPERATING HEAT RATE  
NOF = NET OPERATING FACTOR

TAMPA ELECTRIC COMPANY  
**PLANNED OUTAGE SCHEDULE (ACTUAL)**  
**GPIF UNITS**  
**JANUARY 2024 - DECEMBER 2024**

<u>PLANT / UNIT</u>	<u>PLANNED OUTAGE DATES</u>	<u>OUTAGE DESCRIPTION</u>
BIG BEND CC 1	Apr 20 - Apr 25 Sep 23 - Oct 06	Combined Cycle Planned Outage Combined Cycle Planned Outage
POLK 2	Nov 29 - Dec 09	Combined Cycle Planned Outage
+ BAYSIDE 1	Sep 14 - Sep 29	Combined Cycle Planned Outage
BAYSIDE 2	Feb 15 - Jun 02	CT 1A Major and AGP upgrade CT 1B Major and AGP upgrade CT 1C Major and AGP upgrade Mark Vie DCS and LCI Upgrades Steam Turbine valve overhauls Unit 1 CW Inlet structural refurbishment CW Tunnel liner replacement Steam Turbine 1 Exciter replacement

+ These units have CPM included. 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 2024 - DECEMBER 2024**



TAMPA ELECTRIC COMPANY  
 BAYSIDE 2  
 PLANNED OUTAGE 2024  
 PROJECTED CPM

**TAMPA ELECTRIC COMPANY**  
**GENERATING PERFORMANCE INCENTIVE POINTS TABLE**  
**JANUARY 2024 - DECEMBER 2024**  
**BIG BEND CC 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	9,806.2	77.0	+10	4,152.1	6,351
+9	8,825.6	76.4	+9	3,736.9	6,360
+8	7,845.0	75.9	+8	3,321.7	6,368
+7	6,864.4	75.4	+7	2,906.5	6,377
+6	5,883.7	74.8	+6	2,491.3	6,386
+5	4,903.1	74.3	+5	2,076.1	6,395
+4	3,922.5	73.7	+4	1,660.8	6,403
+3	2,941.9	73.2	+3	1,245.6	6,412
+2	1,961.2	72.6	+2	830.4	6,421
+1	980.6	72.1	+1	415.2	6,430
0	0.0	71.5	0	0.0	6,438
-1	(1,719.5)	70.4	-1	(415.2)	6,513
-2	(3,439.1)	69.3	-2	(830.4)	6,588
-3	(5,158.6)	68.2	-3	(1,245.6)	6,597
-4	(6,878.2)	67.1	-4	(1,660.8)	6,606
-5	(8,597.7)	66.0	-5	(2,076.1)	6,615
-6	(10,317.2)	64.9	-6	(2,491.3)	6,623
-7	(12,036.8)	63.8	-7	(2,906.5)	6,632
-8	(13,756.3)	62.7	-8	(3,321.7)	6,641
-9	(15,475.8)	61.6	-9	(3,736.9)	6,650
-10	(17,195.4)	60.5	-10	(4,152.1)	6,659

Weighting Factor =

34.99%

Weighting Factor =

14.82%



**TAMPA ELECTRIC COMPANY**  
**GENERATING PERFORMANCE INCENTIVE POINTS TABLE**  
**JANUARY 2024 - DECEMBER 2024**  
**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	165.9	89.6	+10	7,588.7	6,862
+9	149.3	89.5	+9	6,829.8	6,887
+8	132.7	89.4	+8	6,071.0	6,912
+7	116.1	89.2	+7	5,312.1	6,937
+6	99.5	89.1	+6	4,553.2	6,962
+5	82.9	88.9	+5	3,794.4	6,987
+4	66.3	88.8	+4	3,035.5	7,012
+3	49.8	88.7	+3	2,276.6	7,036
+2	33.2	88.5	+2	1,517.7	7,061
+1	16.6	88.4	+1	758.9	7,086
0	0.0	88.3	0	0.0	7,186
-1	(397.9)	88.0	-1	(758.9)	7,286
-2	(795.8)	87.7	-2	(1,517.7)	7,311
-3	(1,193.8)	87.5	-3	(2,276.6)	7,336
-4	(1,591.7)	87.2	-4	(3,035.5)	7,361
-5	(1,989.6)	86.9	-5	(3,794.4)	7,386
-6	(2,387.5)	86.7	-6	(4,553.2)	7,411
-7	(2,785.4)	86.4	-7	(5,312.1)	7,436
-8	(3,183.3)	86.1	-8	(6,071.0)	7,461
-9	(3,581.3)	85.8	-9	(6,829.8)	7,486
-10	(3,979.2)	85.6	-10	(7,588.7)	7,510

Weighting Factor =

0.59%

Weighting Factor =

27.08%

**TAMPA ELECTRIC COMPANY**  
**GENERATING PERFORMANCE INCENTIVE POINTS TABLE**  
**JANUARY 2024 - DECEMBER 2024**  
**BAYSIDE 1**

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	631.8	79.5	+10	1,039.1	7,137
+9	568.6	79.3	+9	935.2	7,156
+8	505.4	79.2	+8	831.3	7,175
+7	442.2	79.0	+7	727.4	7,194
+6	379.1	78.9	+6	623.5	7,213
+5	315.9	78.7	+5	519.5	7,231
+4	252.7	78.6	+4	415.6	7,250
+3	189.5	78.4	+3	311.7	7,269
+2	126.4	78.3	+2	207.8	7,288
+1	63.2	78.1	+1	103.9	7,307
0	0.0	78.0	0	0.0	7,326
-1	(128.8)	77.6	-1	(103.9)	7,401
-2	(257.6)	77.3	-2	(207.8)	7,476
-3	(386.4)	77.0	-3	(311.7)	7,495
-4	(515.2)	76.7	-4	(415.6)	7,513
-5	(644.0)	76.4	-5	(519.5)	7,532
-6	(772.8)	76.1	-6	(623.5)	7,551
-7	(901.7)	75.8	-7	(727.4)	7,570
-8	(1,030.5)	75.5	-8	(831.3)	7,589
-9	(1,159.3)	75.2	-9	(935.2)	7,608
-10	(1,288.1)	74.9	-10	(1,039.1)	7,626
					7,645
					7,664

**EAF POINTS**  
6.143

**Adjusted EAF**  
78.9

**AHR POINTS**  
6.774

**Adjusted ANOHR**  
7,198

Weighting Factor =

2.25%

Weighting Factor =

3.71%

**TAMPA ELECTRIC COMPANY**  
**GENERATING PERFORMANCE INCENTIVE POINTS TABLE**  
**JANUARY 2024 - DECEMBER 2024**  
**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	1,488.5	74.8	+10	3,152.6	7,403
+9	1,339.7	74.6	+9	2,837.4	7,405
+8	1,190.8	74.5	+8	2,522.1	7,408
+7	1,042.0	74.3	+7	2,206.8	7,411
+6	893.1	74.2	+6	1,891.6	7,414
+5	744.3	74.0	+5	1,576.3	7,416
+4	595.4	73.9	+4	1,261.0	7,419
+3	446.6	73.7	+3	945.8	7,422
+2	297.7	73.5	+2	630.5	7,425
+1	148.9	73.4	+1	315.3	7,427
0	0.0	73.2	0	0.0	7,430
					7,505
					7,580
-1	(293.9)	72.9	-1	(315.3)	7,583
-2	(587.7)	72.6	-2	(630.5)	7,586
-3	(881.6)	72.3	-3	(945.8)	7,588
-4	(1,175.4)	71.9	-4	(1,261.0)	7,591
-5	(1,469.3)	71.6	-5	(1,576.3)	7,594
-6	(1,763.1)	71.3	-6	(1,891.6)	7,597
-7	(2,057.0)	71.0	-7	(2,206.8)	7,599
-8	(2,350.8)	70.7	-8	(2,522.1)	7,602
-9	(2,644.7)	70.4	-9	(2,837.4)	7,605
-10	(2,938.6)	70.0	-10	(3,152.6)	7,608

Weighting Factor =

5.31%

Weighting Factor =

11.25%

**TAMPA ELECTRIC COMPANY  
COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE**

**EQUIVALENT AVAILABILITY (%)**

<u>PLANT / UNIT</u>	<u>TARGET WEIGHTING FACTOR (%)</u>	<u>NORMALIZED WEIGHTING FACTOR</u>	<u>TARGET PERIOD JAN 24 - DEC 24</u>			<u>ACTUAL PERFORMANCE JAN 24 - DEC 24</u>		
			<u>POF</u>	<u>EUOF</u>	<u>EUOR</u>	<u>POF</u>	<u>EUOF</u>	<u>EUOR</u>
BIG BEND CC 1	35.0%	81.1%	1.4	27.1	27.5	6.1	4.1	4.4
POLK 2	0.6%	1.4%	6.7	5.1	5.4	6.2	3.1	3.3
BAYSIDE 1	2.3%	5.2%	19.1	2.9	3.6	4.4	2.4	2.5
BAYSIDE 2	5.3%	12.3%	25.1	1.6	2.2	30.2	15.1	21.7
<b>GPIF SYSTEM</b>	<b>43.1%</b>	<b>100.0%</b>	<b>5.3</b>	<b>22.4</b>	<b>22.8</b>	<b>9.0</b>	<b>5.4</b>	<b>6.4</b>
<b>GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)</b>			<b><u>72.3</u></b>			<b><u>85.7</u></b>		
			<b><u>3 PERIOD AVERAGE</u></b>			<b><u>3 PERIOD AVERAGE</u></b>		
			<b><u>POF</u></b>	<b><u>EUOF</u></b>	<b><u>EUOR</u></b>	<b><u>EAF</u></b>		
			<b>9.0</b>	<b>5.4</b>	<b>6.4</b>	<b>85.7</b>		

**AVERAGE NET OPERATING HEAT RATE (Btu/kwh)**

<u>PLANT / UNIT</u>	<u>TARGET WEIGHTING FACTOR (%)</u>	<u>NORMALIZED WEIGHTING FACTOR</u>	<u>TARGET</u>	<u>ADJUSTED</u>
			<u>HEAT RATE JAN 24 - DEC 24</u>	<u>ACTUAL HEAT RATE JAN 24 - DEC 24</u>
BIG BEND CC 1	14.82%	26.1%	6,513	6,579
POLK 2	27.08%	47.6%	7,186	7,154
BAYSIDE 1	3.71%	6.5%	7,401	7,198
BAYSIDE 2	11.25%	19.8%	7,505	7,304
<b>GPIF SYSTEM</b>	<b>56.9%</b>	<b>100.0%</b>		
<b>GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)</b>			<b><u>7,088</u></b>	<b><u>7,037</u></b>

**TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION  
JANUARY 2024 - DECEMBER 2024**

Points are calculated according to the formula:

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

Where:

*GPIP* = Generating performance incentive points

*a<sub>i</sub>* = Percentage of total system fuel cost reduction attributed to maximum reasonably attainable equivalent availability of unit *i* during the period

*e<sub>i</sub>* = Percentage of total system fuel cost reduction attributed to minimum reasonably attainable average heat rate of unit *i* during the period

*EAP<sub>i</sub>* = Equivalent availability points awarded/deducted for unit *i*

*AHRP<sub>i</sub>* = Average heat rate points awarded/deducted for unit *i*

Weighting factors and point values are listed on page 4.

$$\begin{aligned} GPIP = & 34.99\% * (BB\ 1\ CC\ EAP) + 0.59\% * (PK\ 2\ EAP) + 2.25\% * (BAY\ 1\ EAP) \\ & + 5.31\% * (BAY\ 2\ EAP) + 14.82\% * (BB\ 1\ CC\ AHRP) + 27.08\% * (PK\ 2\ AHRP) \\ & + 3.71\% * (BAY\ 1\ AHRP) + 11.25\% * (BAY\ 2\ AHRP) \end{aligned}$$

$$\begin{aligned} GPIP = & 34.99\% * 10.000 + 0.59\% * 10.000 + 2.25\% * 6.143 \\ & + 5.31\% * -10.000 + 14.82\% * 0.000 + 27.08\% * 0.000 \\ & + 3.71\% * 6.774 + 11.25\% * 10.000 \end{aligned}$$

$$\begin{aligned} GPIP = & 3.499 + 0.059 + 0.138 \\ & + -0.531 + 0.000 + 0.000 \\ & + 0.251 + 1.125 + 0.000 \\ & + 0.000 \end{aligned}$$

$$GPIP = \underline{4.542} \text{ POINTS}$$

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.

$$GPIF \text{ REWARD} = \underline{\$6,364,097}$$

EXHIBIT NO. ALP-1  
TAMPA ELECTRIC COMPANY  
DOCKET NO. 20250001-EI  
GPIF 2024 FINAL TRUE-UP  
DOCUMENT NO. 2

EXHIBIT TO THE TESTIMONY OF  
ADAM L. PARKE

DOCKET NO. 20250001-EI

TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE FACTOR  
JANUARY 2024 - DECEMBER 2024  
TRUE-UP

DOCUMENT NO. 2  
ACTUAL UNIT PERFORMANCE DATA

ORIGINAL SHEET NO. 8\_401\_19A  
 TAMPA ELECTRIC COMPANY  
 ACTUAL UNIT PERFORMANCE DATA  
 JANUARY 2024 - DECEMBER 2024

PLANT/UNIT	MONTH OF: Jan-24	MONTH OF: Feb-24	MONTH OF: Mar-24	MONTH OF: Apr-24	MONTH OF: May-24	MONTH OF: Jun-24	MONTH OF: Jul-24	MONTH OF: Aug-24	MONTH OF: Sep-24	MONTH OF: Oct-24	MONTH OF: Nov-24	MONTH OF: Dec-24	PERIOD
BIG BEND 1 CC													2024
1. Equivalent Availability Factor (%)	EAF	100.0	100.0	89.6	89.5	81.7	82.3	91.7	100.0	90.3	83.6	92.4	89.7
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	721.0	744.0	8,784.0
3. Service Hours	SH	744.0	696.0	743.0	711.6	741.0	712.1	744.0	744.0	712.4	667.7	744.0	8,675.0
4. Reserve Shutdown Hours	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. Unavailable Hours	UH	0.0	0.0	43.5	64.1	74.6	85.1	40.5	0.2	69.8	180.0	56.3	732.6
6. Planned Outage Hours	POH	0.0	0.0	0.0	64.1	74.0	67.0	0.0	0.0	60.4	114.9	56.3	436.7
7. Forced Outage Hours	FOH	0.0	0.0	43.5	0.0	0.0	7.5	0.4	0.2	9.3	65.1	0.0	244.5
8. Maintenance Outage Hours	MOH	0.0	0.0	0.0	0.0	0.7	10.6	40.1	0.0	0.0	0.0	0.0	51.4
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0	49.3	234.7	202.1	0.0	0.0	0.0	0.0	0.0	486.1
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0	0.0	250.0	250.0	190.0	0.0	0.0	0.0	0.0	0.0	225.1
10a. Partial Forced Outage Hours	PFOH	0.0	0.0	139.2	0.0	34.3	0.0	0.0	0.0	0.0	0.0	0.0	173.5
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	0.0	270.0	0.0	170.0	0.0	0.0	0.0	0.0	0.0	0.0	250.2
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	0.0	0.0	31.9	117.4	0.0	0.0	0.0	0.0	149.3
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0	0.0	0.0	190.0	190.0	0.0	0.0	0.0	0.0	190.0
12. Net Summer Continuous Rating (MW)	NSC	1,055.0	1,055.0	1,055.0	1,055.0	1,055.0	1,055.0	1,055.0	1,055.0	1,055.0	1,055.0	1,055.0	1,055.0
13. Operating British Thermal Units (GBTU)	OPR BTU	4,305.0	3,820.9	3,834.5	3,394.5	3,398.7	3,318.6	4,072.6	4,187.9	3,884.3	2,417.1	3,067.7	43,343.3
14. Net Generation (MWH)	NETGEN	677,600.0	595,266.0	596,084.0	510,995.0	524,445.0	507,300.0	639,984.2	663,439.4	561,960.1	271,193.0	452,481.0	6,572,113.1
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	6,353.0	6,419.0	6,433.0	6,643.0	6,481.0	6,542.0	6,364.0	6,312.0	6,912.0	8,913.0	6,373.0	6,595.0
16. Net Output Factor (%)	NOF	81.4	76.4	71.7	68.1	67.1	67.5	81.5	84.5	74.8	38.5	68.6	70.4
17. Net Period Continuous Rating (MW)	NPC	1,119.0	1,119.0	1,119.0	1,055.0	1,055.0	1,055.0	1,055.0	1,055.0	1,055.0	1,055.0	1,120.0	1,076.4
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF ( - 2,640 ) + 6,715											

Note: Period hours may not match the Service, RS or Unavailable hours due to the individual component hours of the Combined Cycle unit.

ORIGINAL SHEET NO. 8\_401\_19A  
TAMPA ELECTRIC COMPANY  
ACTUAL UNIT PERFORMANCE DATA  
JANUARY 2024 - DECEMBER 2024

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:	MONTH OF:	MONTH OF:	PERIOD
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24			
POLK 2															2024
1. Equivalent Availability Factor (%)	97.3	98.2	78.9	99.1	87.1	99.9	87.2	98.7	99.0	99.3	83.3	60.4			90.5
2. Period Hours	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	744.0	671.4	743.0	720.0	652.3	720.0	744.0	744.0	713.6	744.0	685.4	493.1			8,374.8
4. Reserve Shutdown Hours	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	16.7			41.3
5. Unavailable Hours	10.7	3.6	81.7	3.5	94.9	0.0	51.6	5.2	2.8	0.6	76.1	234.2			564.9
6. Planned Outage Hours	0.0	0.2	75.8	0.0	0.0	0.0	39.6	0.0	0.0	0.0	69.8	181.1			366.5
7. Forced Outage Hours	0.4	0.0	3.3	0.0	94.9	0.0	11.9	4.3	2.8	0.6	1.5	19.2			138.9
8. Maintenance Outage Hours	10.3	3.4	2.6	3.5	0.0	0.0	0.0	0.8	0.0	0.0	4.8	33.9			59.3
9a. Partial Planned Outage Hours	0.0	23.7	506.5	24.5	0.0	0.0	280.4	5.9	36.3	23.4	348.7	248.3			1,497.7
9b. Load Reduction Partial Planned (MW)	0.0	120.0	172.7	119.7	0.0	0.0	119.8	119.9	119.8	119.8	131.3	151.5			145.6
10a. Partial Forced Outage Hours	81.1	62.8	23.6	0.0	6.8	20.8	70.6	32.3	1.0	18.6	10.5	163.5			491.6
10b. Load Reduction Partial Forced (MW)	32.8	120.0	115.6	0.0	119.8	29.9	180.8	128.9	118.8	119.8	119.8	212.2			141.6
11a. Partial Maintenance Outage Hours	68.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			68.7
11b. Load Reduction Partial Maintenance (MW)	120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			120.0
12. Net Summer Continuous Rating (MW)	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)	3,277.9	2,608.7	2,970.0	3,294.0	3,209.9	3,514.9	3,606.5	4,036.3	3,988.5	4,116.3	3,043.7	2,163.9			39,830.7
14. Net Generation (MWH)	466,423.0	364,118.0	414,206.0	455,131.0	411,516.0	487,900.0	505,415.1	566,859.0	549,409.0	577,289.0	422,240.0	273,295.0			5,493,801.1
15. Avg. Net Operating Heat Rate (BTU/KWH)	7,028.0	7,164.0	7,170.0	7,238.0	7,800.0	7,204.0	7,133.0	7,120.0	7,260.0	7,130.0	7,208.0	7,699.0			7,250.1
16. Net Output Factor (%)	52.2	45.2	46.5	59.6	59.5	63.9	64.0	71.8	72.6	73.1	58.1	46.2			59.2
17. Net Period Continuous Rating (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	1,061.0			1,200.0
18. Avg. Net Operating Heat Rate Equation	ANOHR = NOF (-16.071) + 8.234														

Note: Period hours may not match the Service, RS or Unavailable hours due to the individual component hours of the Combined Cycle unit.



ORIGINAL SHEET NO. 8\_401\_19A  
TAMPA ELECTRIC COMPANY  
ACTUAL UNIT PERFORMANCE DATA  
JANUARY 2024 - DECEMBER 2024

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
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	2024
BAYSIDE 1													
1. Equivalent Availability Factor (%)	94.7	99.3	97.2	100.0	99.2	99.3	90.3	95.1	47.8	95.3	99.7	99.9	93.2
2. Period Hours	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	574.9	394.6	682.0	720.0	744.0	720.0	671.1	700.0	358.1	659.5	721.0	744.0	7,689.2
4. Reserve Shutdown Hours	129.6	296.8	41.4	0.0	0.0	0.0	0.9	7.7	0.0	69.0	0.0	0.0	545.4
5. Unavailable Hours	39.5	4.6	20.6	0.0	5.8	5.4	72.0	36.3	376.1	15.5	2.1	0.9	578.8
6. Planned Outage Hours	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	367.9	3.9	0.0	0.0	371.8
7. Forced Outage Hours	0.7	0.1	17.2	0.0	5.8	5.4	0.0	23.9	8.2	1.5	0.0	0.9	63.7
8. Maintenance Outage Hours	38.9	4.6	3.5	0.0	0.0	0.0	72.0	12.4	0.0	10.2	2.1	0.0	143.7
9a. Partial Planned Outage Hours	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144.7	0.0	0.0	144.7
9b. Load Reduction Partial Planned (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0
10a. Partial Forced Outage Hours	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
10b. Load Reduction Partial Forced (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11a. Partial Maintenance Outage Hours	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)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. Net Summer Continuous Rating (MW)	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0
13. Operating British Thermal Units (GBTU)	1,104.2	996.0	1,961.8	1,881.0	2,674.8	1,865.7	2,048.2	2,254.5	1,080.0	2,396.8	2,726.8	2,612.5	23,602.5
14. Net Generation (MWH)	145,773.5	132,105.1	262,586.5	253,083.1	360,412.9	252,824.0	282,761.4	311,663.2	156,623.1	339,829.4	382,700.1	358,117.1	3,238,481.4
15. Avg. Net Operating Heat Rate (BTU/KWH)	7,575.0	7,540.0	7,471.0	7,433.0	7,421.0	7,380.0	7,244.0	7,234.0	6,895.0	7,063.0	7,125.0	7,295.0	7,288.1
16. Net Output Factor (%)	29.9	39.5	45.5	46.9	64.7	46.9	56.3	59.4	58.4	68.8	70.9	56.8	53.9
17. Net Period Continuous Rating (MW)	847.0	847.0	847.0	847.0	847.0	847.0	847.0	847.0	847.0	847.0	847.0	847.0	847.0
18. Avg. Net Operating Heat Rate Equation	ANOHR = NOF ( -7.989) + 7.921												

Note: Period hours may not match the Service, RS or Unavailable hours due to the individual component hours of the Combined Cycle unit.

ORIGINAL SHEET NO. 8.401.19A  
TAMPA ELECTRIC COMPANY  
ACTUAL UNIT PERFORMANCE DATA  
JANUARY 2024 - DECEMBER 2024

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:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BAYSIDE 2	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	2024			
1. Equivalent Availability Factor (%)	EAF	96.4	43.2	-0.1	0.0	18.5	91.6	98.7	99.6	66.2	5.6	35.2	54.7			
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	744.0	721.0	744.0	8,784.0			
3. Service Hours	SH	271.6	333.9	0.0	0.0	34.1	533.7	744.0	744.0	4.9	0.0	0.5	3,386.7			
4. Reserve Shutdown Hours	RSH	445.7	0.0	1.0	0.0	103.3	125.9	0.0	0.0	487.4	39.3	261.1	1,463.7			
5. Unavailable Hours	UH	26.7	395.1	743.0	720.0	606.6	60.5	9.6	3.2	251.7	680.8	482.4	3,980.9			
6. Planned Outage Hours	POH	26.7	395.1	743.0	720.0	593.6	13.9	0.0	0.0	0.0	158.5	0.0	2,650.8			
7. Forced Outage Hours	FOH	0.0	0.0	0.0	0.0	0.0	0.0	6.9	3.2	243.4	236.0	223.7	714.5			
8. Maintenance Outage Hours	MOH	0.0	0.0	0.0	0.0	12.9	46.6	2.7	0.0	8.3	286.2	258.7	615.4			
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			
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			
10a. Partial Forced Outage Hours	PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
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			
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	0.0	0.0	0.0			
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			
13. Operating British Thermal Units (GBTU)	OPR BTU	625.2	792.5	0.0	0.0	87.0	2,168.4	3,165.7	2,837.3	7.6	0.0	0.0	12,951.7			
14. Net Generation (MWH)	NETGEN	79,318.7	104,465.8	-825.0	-720.0	6,688.0	307,243.0	438,955.5	391,743.9	-859.3	-1,489.2	-1,556.2	1,775,047.1			
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,882.0	7,586.0	0.0	0.0	13,002.0	7,055.0	7,212.0	7,243.0	0.0	0.0	0.0	7,296.6			
16. Net Output Factor (%)	NOF	27.9	29.9	0.0	0.0	21.1	62.0	59.1	52.7	62.9	0.0	0.0	52.2			
17. Net Period Continuous Rating (MW)	NPC	1,047.0	1,047.0	1,047.0	929.0	929.0	929.0	999.0	999.0	999.0	999.0	1,121.0	1,003.7			
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-10.936) + 8,068														

Note: Period hours may not match the Service, RS or Unavailable hours due to the individual component hours of the Combined Cycle unit.