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March 17, 2015

**VIA: ELECTRONIC FILING**

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

Re: Fuel and Purchased Power Cost Recovery Clause with Generating  
Performance Incentive Factor; FPSC Docket No. 150001-EI


Dear Ms. Stauffer:

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

1. Petition for Approval of Generating Performance Incentive Factor Results for the Twelve Month Period Ending December 2014.
2. Prepare Direct Testimony and Exhibit (BSB-1) of Brian S. Buckley regarding Generating Performance Incentive Factor True-Up for the period January 2014 through December 2014.

Thank you for your assistance in connection with this matter.

Sincerely,



Ashley M. Daniels

AMD/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 17<sup>th</sup> day of March 2015 to the following:

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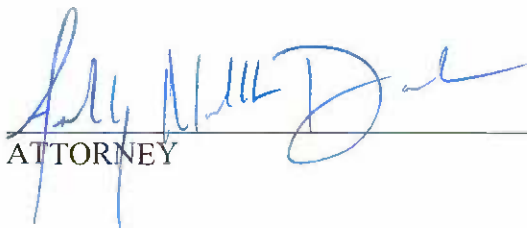
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\_\_\_\_\_  
ATTORNEY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and Purchased Power )  
Cost Recovery Clause and Generating )  
Performance Incentive Factor. )  
\_\_\_\_\_ )

DOCKET NO. 150001-EI  
FILED: March 17, 2015

**TAMPA ELECTRIC COMPANY'S PETITION FOR APPROVAL OF  
GENERATING PERFORMANCE INCENTIVE FACTOR RESULTS  
FOR THE TWELVE MONTH PERIOD ENDING DECEMBER 2014**

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 2014. In support of this Petition, Tampa Electric states as follows:


1. By Order No. PSC-13-0665-FOF-EI, dated December 18, 2013, the Commission approved Tampa Electric's GPIF targets for the period January 2014 through December 2014. The application of the GPIF formula to the performance of the company's GPIF units during that period produces a reward of \$1,405,913. 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 \$1,405,913 as its GPIF reward for the period ending December 2014 and authorize the inclusion of this amount in the calculation of Tampa Electric's fuel factors for the period beginning January 2016.

DATED this 17<sup>th</sup> day of March 2015.

Respectfully submitted,



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J. JEFFRY WAHLEN  
ASHLEY M. DANIELS  
Ausley & McMullen  
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ATTORNEYS FOR TAMPA ELECTRIC COMPANY

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the foregoing Petition, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 17<sup>th</sup> day of March 2015 to the following:

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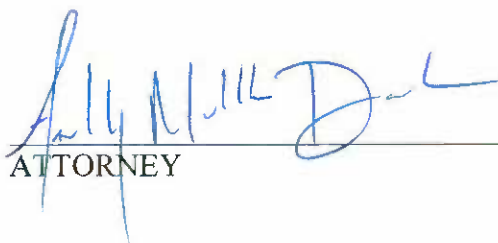
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A handwritten signature in blue ink, appearing to read "John T. LaVia, III", is written over a horizontal line. Below the line, the word "ATTORNEY" is printed in a bold, sans-serif font.



BEFORE THE  
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 150001-EI  
IN RE: FUEL & PURCHASED POWER COST RECOVERY  
AND  
CAPACITY COST RECOVERY

GENERATING PERFORMANCE INCENTIVE FACTOR  
TRUE-UP  
JANUARY 2014 THROUGH DECEMBER 2014

TESTIMONY AND EXHIBIT  
OF  
BRIAN S. BUCKLEY



1                                   **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2                                   **PREPARED DIRECT TESTIMONY**

3                                   **OF**

4                                   **BRIAN S. BUCKLEY**

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

8  
9   **A.**   My name is Brian S. Buckley. My business address is 702  
10           North Franklin Street, Tampa, Florida 33602. I am employed  
11           by Tampa Electric Company ("Tampa Electric" or "company") in  
12           the position of Manager, Compliance and Performance.

13  
14   **Q.**   Please provide a brief outline of your educational  
15           background and business experience.

16  
17   **A.**   I received a Bachelor of Science degree in Mechanical  
18           Engineering in 1997 from the Georgia Institute of  
19           Technology and a Master of Business Administration from the  
20           University of South Florida in 2003. I began my career  
21           with Tampa Electric in 1999 as an Engineer in Plant  
22           Technical Services. I have held a number of different  
23           engineering positions at Tampa Electric's power generating  
24           stations including Operations Engineer at Gannon Station,  
25           Instrumentation and Controls Engineer at Big Bend Station,

1 and Senior Engineer in Operations Planning. In 2008, I was  
2 promoted to Manager, Operations Planning. Currently, I am  
3 the Manager of Compliance and Performance responsible for  
4 unit performance analysis and reporting of generation  
5 statistics.

6  
7 **Q.** What is the purpose of your testimony?

8  
9 **A.** The purpose of my testimony is to present Tampa Electric's  
10 actual performance results from unit equivalent availability  
11 and heat rate used to determine the Generating Performance  
12 Incentive Factor ("GPIF") for the period January 2014  
13 through December 2014. I will also compare these results to  
14 the targets established prior to the beginning of the  
15 period.

16  
17 **Q.** Have you prepared an exhibit to support your testimony?

18  
19 **A.** Yes, I prepared Exhibit No. \_\_\_\_\_ (BSB-1), consisting of two  
20 documents. Document No. 1, entitled "Tampa Electric Company,  
21 Generating Performance Incentive Factor, January 2014 -  
22 December 2014 True-up" is consistent with the GPIF  
23 Implementation Manual previously approved by the Commission.  
24 Document No. 2 provides the company's Actual Unit  
25 Performance Data for the 2014 period.

- 1 **Q.** Which generating units on Tampa Electric's system are  
2 included in the determination of the GPIF?  
3
- 4 **A.** Four of the company's coal-fired units, one integrated  
5 gasification combined cycle unit and two natural gas  
6 combined cycle units are included. These are Big Bend Units  
7 1 through 4, Polk Unit 1 and Bayside Units 1 and 2,  
8 respectively.  
9
- 10 **Q.** Have you calculated the results of Tampa Electric's  
11 performance under the GPIF during the January 2014 through  
12 December 2014 period?  
13
- 14 **A.** Yes, I have. This is shown on Document No. 1, page 4 of 32.  
15 Based upon 1.682 Generating Performance Incentive Points  
16 ("GPIP"), the result is a reward amount of \$1,405,913 for  
17 the period.  
18
- 19 **Q.** Please proceed with your review of the actual results for  
20 the January 2014 through December 2014 period.  
21
- 22 **A.** On Document No. 1, page 3 of 32, the actual average common  
23 equity for the period is shown on line 14 as \$2,044,549,944.  
24 This produces the maximum penalty or reward amount of  
25 \$8,356,562 as shown on line 21.

1 Q. Will you please explain how you arrived at the actual  
2 equivalent availability results for the seven 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  
7 form. Additionally, outage information is reported to the  
8 Commission on a monthly basis. A summary of this data for  
9 the 12 months provides the basis for the GPIF.  
10

11 Q. Are the actual equivalent availability results shown on  
12 Document No. 1, page 6 of 32, 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 32, column  
19 4. The necessary adjustments as prescribed in the GPIF  
20 Manual are further defined by a letter dated October 23,  
21 1981, from Mr. J. H. Hoffsis of the Commission's Staff. The  
22 adjustments for each unit are as follows:  
23

24 **Big Bend Unit No. 1**

25 On this unit, 2,017.0 planned outage hours were originally

1 scheduled for 2014. Actual outage activities required 493.9  
2 planned outage hours. Consequently, the actual equivalent  
3 availability of 83.5 percent is adjusted to 68.2 percent as  
4 shown on Document No. 1, page 7 of 32.

5  
6 **Big Bend Unit No. 2**

7 On this unit, 577.0 planned outage hours were originally  
8 scheduled for 2014. Actual outage activities required 735.9  
9 planned outage hours. Consequently, the actual equivalent  
10 availability of 81.0 percent is adjusted to 82.6 percent as  
11 shown on Document No. 1, page 8 of 32.

12  
13 **Big Bend Unit No. 3**

14 On this unit, 575.0 planned outage hours were originally  
15 scheduled for 2014. Actual outage activities required 449.0  
16 planned outage hours. Consequently, the actual equivalent  
17 availability of 79.0 percent is adjusted to 77.8 percent as  
18 shown on Document No. 1, page 9 of 32.

19  
20 **Big Bend Unit No. 4**

21 On this unit, 1,584.0 planned outage hours were originally  
22 scheduled for 2014. Actual outage activities required  
23 1,813.2 planned outage hours. Consequently, the actual  
24 equivalent availability of 68.1 percent is adjusted to 70.3  
25 percent as shown on Document No. 1, page 10 of 32.

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**Polk Unit No. 1**

On this unit, 455.0 planned outage hours were originally scheduled for 2014. Actual outage activities required 437.7 planned outage hours. Consequently, the actual equivalent availability of 91.7 percent is adjusted to 91.5 percent, as shown on Document No. 1, page 11 of 32.

**Bayside Unit No. 1**

On this unit, 432.0 planned outage hours were originally scheduled for 2014. Actual outage activities required 539.7 planned outage hours. Consequently, the actual equivalent availability of 82.3 percent is adjusted to 83.5 percent, as shown on Document No. 1, page 12 of 32.

**Bayside Unit No. 2**

On this unit, 432.0 planned outage hours were originally scheduled for 2014. Actual outage activities required 436.3 planned outage hours. Consequently, the actual equivalent availability of 89.6 percent is adjusted to 89.7 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

1 are shown on Document No. 1, page 6 of 32, column 4. This  
2 number is entered into the respective GPIF table for each  
3 particular unit, shown on pages 7 of 32 through 13 of 32.  
4 Page 4 of 32 summarizes the weighted equivalent availability  
5 points to be awarded or penalized.  
6

7 **Q.** Will you please explain the heat rate results relative to  
8 the GPIF?  
9

10 **A.** The actual heat rate and adjusted actual heat rate for Tampa  
11 Electric's seven GPIF units are shown on Document No. 1,  
12 page 6 of 32. The adjustment was developed based on the  
13 guidelines of section 4.3.16 of the GPIF Manual. This  
14 procedure is further defined by a letter dated October 23,  
15 1981, from Mr. J. H. Hoffsis of the FPSC Staff. The final  
16 adjusted actual heat rates are also shown on page 5 of 32,  
17 column 9. The heat rate value is entered into the  
18 respective GPIF table for the particular unit, shown on  
19 pages 14 through 20 of 32. Page 4 of 32 summarizes the  
20 weighted heat rate points to be awarded or penalized.  
21

22 **Q.** What is the overall GPIF for Tampa Electric for the January  
23 2014 through December 2014 period?  
24

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

1 the weighting factors shown on page 4 of 32, column 3, plus  
2 the equivalent availability points and the heat rate points  
3 shown on page 4 of 32, column 4, are substituted within the  
4 equation found on page 32 of 32. The resulting value,  
5 1.682, is then entered into the GPIF table on page 2 of 32.  
6 Using linear interpolation, the reward amount is \$1,405,913.  
7

8 **Q.** Does this conclude your testimony?  
9

10 **A.** Yes, it does.  
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25



GENERATING PERFORMANCE INCENTIVE FACTOR

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EXHIBIT NO. \_\_\_\_ (BSB-1)  
TAMPA ELECTRIC COMPANY  
DOCKET NO. 150001-EI  
GPIF 2014 FINAL TRUE-UP  
DOCUMENT NO. 1

EXHIBIT TO THE TESTIMONY OF  
BRIAN S. BUCKLEY

DOCKET NO. 150001-EI

TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE FACTOR  
JANUARY 2014 - DECEMBER 2014  
TRUE-UP

DOCUMENT NO. 1  
GPIF SCHEDULES

**TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE FACTOR  
JANUARY 2014 - DECEMBER 2014  
TRUE-UP  
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**TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE FACTOR  
REWARD / PENALTY TABLE - ACTUAL  
JANUARY 2014 - DECEMBER 2014**

<b>GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)</b>	<b>FUEL SAVINGS / (LOSS) (\$000)</b>	<b>GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)</b>
+10	14,961.9	8,356.6
+9	13,465.7	7,520.9
+8	11,969.5	6,685.2
+7	10,473.3	5,849.6
+6	8,977.1	5,013.9
+5	7,480.9	4,178.3
+4	5,984.8	3,342.6
+3	4,488.6	2,507.0
+2	2,992.4	1,671.3
+1	1,496.2	835.7
0	0.0	0.0
-1	(1,454.1)	(835.7)
-2	(2,908.1)	(1,671.3)
-3	(4,362.2)	(2,507.0)
-4	(5,816.3)	(3,342.6)
-5	(7,270.4)	(4,178.3)
-6	(8,724.4)	(5,013.9)
-7	(10,178.5)	(5,849.6)
-8	(11,632.6)	(6,685.2)
-9	(13,086.6)	(7,520.9)
-10	(14,540.7)	(8,356.6)



**TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE FACTOR  
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS - ACTUAL  
JANUARY 2014 - DECEMBER 2014**

Line 1	Beginning of period balance of common equity:		\$ 2,039,110,889
	End of month common equity:		
Line 2	Month of January	2014	\$ 1,999,992,235
Line 3	Month of February	2014	\$ 2,012,739,171
Line 4	Month of March	2014	\$ 2,025,528,845
Line 5	Month of April	2014	\$ 2,006,784,559
Line 6	Month of May	2014	\$ 2,026,674,072
Line 7	Month of June	2014	\$ 2,053,782,245
Line 8	Month of July	2014	\$ 2,033,251,946
Line 9	Month of August	2014	\$ 2,065,800,651
Line 10	Month of September	2014	\$ 2,085,758,849
Line 11	Month of October	2014	\$ 2,015,623,557
Line 12	Month of November	2014	\$ 2,102,938,342
Line 13	Month of December	2014	\$ 2,111,163,916
Line 14	(Summation of line 1 through line 13 divided by 13)		\$ 2,044,549,944
Line 15	25 Basis points		0.0025
Line 16	Revenue Expansion Factor		61.17%
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)		\$ 8,356,562
Line 18	Jurisdictional Sales		18,525,740 MWH
Line 19	Total Sales		18,525,740 MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)		100.00%
<b>Line 21</b>	<b>Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)</b>		<b>\$ 8,356,562</b>

**TAMPA ELECTRIC COMPANY  
CALCULATION OF SYSTEM GPIF POINTS - ACTUAL  
JANUARY 2014 - DECEMBER 2014**

<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	68.2%	EAF	8.03%	10.000	0.803
BIG BEND 2	82.6%	EAF	0.71%	10.000	0.071
BIG BEND 3	77.8%	EAF	4.89%	8.872	0.434
BIG BEND 4	70.3%	EAF	3.06%	10.000	0.306
POLK 1	91.5%	EAF	1.66%	10.000	0.166
BAYSIDE 1	83.5%	EAF	5.89%	-10.000	-0.589
BAYSIDE 2	89.7%	EAF	8.67%	10.000	0.867
BIG BEND 1	10582	ANOHR	13.20%	-0.260	-0.034
BIG BEND 2	10257	ANOHR	11.67%	0.000	0.000
BIG BEND 3	10677	ANOHR	8.77%	0.000	0.000
BIG BEND 4	10290	ANOHR	8.96%	1.481	0.133
POLK 1	10074	ANOHR	5.05%	10.000	0.505
BAYSIDE 1	7398	ANOHR	10.47%	-9.341	-0.978
BAYSIDE 2	7443	ANOHR	8.99%	0.000	0.000
			<u>100.00%</u>		<u>1.682</u>

<b>GPIF REWARD</b> <b>\$ 1,405,913</b>
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**TAMPA ELECTRIC COMPANY  
GPIF TARGET AND RANGE SUMMARY**

**EQUIVALENT AVAILABILITY (%)**

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>EAF TARGET (%)</u>	<u>EAF MAX. (%)</u>	<u>RANGE MIN. (%)</u>	<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>	<u>EAF ADJUSTED ACTUAL (%)</u>	<u>ACTUAL FUEL SAVINGS/ LOSS (\$000)</u>
BIG BEND 1	8.03%	60.62	65.0	51.8	1,201.3	(428.6)	68.2%	428.6
BIG BEND 2	0.71%	74.86	78.9	66.8	106.0	(550.0)	82.6%	550.0
BIG BEND 3	4.89%	74.07	78.3	65.7	732.4	(564.5)	77.8%	500.9
BIG BEND 4	3.06%	62.63	67.4	53.1	457.2	(271.5)	70.3%	271.5
POLK 1	1.66%	83.98	86.4	79.1	248.0	(259.2)	91.5%	259.2
BAYSIDE 1	5.89%	93.98	94.4	93.1	880.8	(341.8)	83.5%	(341.8)
BAYSIDE 2	8.67%	85.78	87.9	81.6	1,296.6	(2,085.3)	89.7%	2,085.3
<b>GPIF SYSTEM</b>	<b>32.90%</b>				<b>4,922.2</b>	<b>(4,501.0)</b>		

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

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>ANOHR (Btu/kwh)</u>	<u>TARGET NOF (%)</u>	<u>ANOHR TARGET RANGE</u>		<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>	<u>ACTUAL ADJUSTED ANOHR</u>	<u>ACTUAL FUEL SAVINGS/ LOSS (\$000)</u>
				<u>MIN.</u>	<u>MAX.</u>				
BIG BEND 1	13.20%	10,501	94.0	10,200	10,802	1,975.3	(1,975.3)	10,582	(51.4)
BIG BEND 2	11.67%	10,271	93.0	10,057	10,485	1,746.0	(1,746.0)	10,257	0.0
BIG BEND 3	8.77%	10,696	82.1	10,523	10,870	1,312.2	(1,312.2)	10,677	0.0
BIG BEND 4	8.96%	10,381	88.3	10,195	10,568	1,340.6	(1,340.6)	10,290	198.6
POLK 1	5.05%	10,506	96.5	10,365	10,647	755.0	(755.0)	10,074	755.0
BAYSIDE 1	10.47%	7,283	60.4	7,164	7,401	1,566.1	(1,566.1)	7,398	(1,462.9)
BAYSIDE 2	8.99%	7,387	59.1	7,310	7,463	1,344.6	(1,344.6)	7,443	0.0
<b>GPIF SYSTEM</b>	<b>67.10%</b>					<b>10,039.7</b>	<b>(10,039.7)</b>		

**TAMPA ELECTRIC COMPANY  
UNIT PERFORMANCE DATA - ACTUAL  
JANUARY 2014 - DECEMBER 2014**

<u>PLANT / UNIT</u>	<u>ACTUAL EAF (%)</u>	<u>ADJUSTMENTS (1) TO EAF (%)</u>	<u>EAF ADJUSTED ACTUAL (%)</u>
BIG BEND 1	83.5	-15.3	68.2
BIG BEND 2	81.0	1.6	82.6
BIG BEND 3	79.0	-1.2	77.8
BIG BEND 4	68.1	2.2	70.3
POLK 1	91.7	-0.2	91.5
BAYSIDE 1	82.3	1.2	83.5
BAYSIDE 2	89.6	0.1	89.7

<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 1	10,620	-38	10,582
BIG BEND 2	10,294	-37	10,257
BIG BEND 3	10,370	307	10,677
BIG BEND 4	10,226	64	10,290
POLK 1	10,154	-80	10,074
BAYSIDE 1	7,431	-33	7,398
BAYSIDE 2	7,486	-43	7,443

(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. 1  
JANUARY 2014 - DECEMBER 2014

WEIGHTING FACTOR = 8.03%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,760.0	8,760.0	8,760.0
EAF	60.6	83.5	68.2
POH	2,017.0	493.9	2,017.0
FOH + EFOH	1,390.0	686.2	559.8
MOH + EMOH	42.5	262.6	214.2
POF	23.0	5.6	23.0
EFOF	15.9	7.8	6.4
EMOF	0.5	3.0	2.4
	<b>10.000</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 2017}{8760 - 493.9} \times (686.2 + 262.6) = 774.0$$

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

$$100 - 23 - \frac{774.0}{8760.0} \times 100 = 68.2$$

PH = PERIOD HOURS  
EAF = EQUIVALENT AVAILABILITY FACTOR  
POH = PLANNED OUTAGE HOURS  
FOH = FORCED OUTAGE HOURS  
EFOH = EQUIVALENT FORCED OUTAGE HOURS  
MOH = MAINTENANCE OUTAGE HOURS  
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS  
POF = PLANNED OUTAGE FACTOR  
EFOF = EQUIVALENT FORCED OUTAGE FACTOR  
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

TAMPA ELECTRIC COMPANY  
ADJUSTMENTS TO PERFORMANCE  
BIG BEND UNIT NO. 2  
JANUARY 2014 - DECEMBER 2014

WEIGHTING FACTOR = 0.71%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,760.0	8,760.0	8,760.0
EAF	74.9	81.0	82.6
POH	577.0	735.9	577.0
FOH + EFOH	1,278.5	806.5	822.5
MOH + EMOH	346.8	122.5	124.9
POF	6.6	8.4	6.6
EFOF	14.6	9.2	9.4
EMOF	4.0	1.4	1.4
	<b>10.000</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 577}{8760 - 735.9} \times (806.5 + 122.5) = 947.4$$

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

$$100 - 6.6 - \frac{947.4}{8760.0} \times 100 = 82.6$$

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  
BIG BEND UNIT NO. 3  
JANUARY 2014 - DECEMBER 2014

WEIGHTING FACTOR = 4.89%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,760.0	8,760.0	8,760.0
EAF	74.1	79.0	77.8
POH	575.0	449.0	575.0
FOH + EFOH	1,064.0	1,322.9	1,302.8
MOH + EMOH	632.2	64.6	63.6
POF	6.6	5.1	6.6
EFOF	12.1	15.1	14.9
EMOF	7.2	0.7	0.7
	<b>8.872</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 575}{8760 - 449} \times (1322.9 + 64.6) = 1,366.5$$

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

$$100 - 6.6 - \frac{1366.5}{8760.0} \times 100 = 77.8$$

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  
BIG BEND UNIT NO. 4  
JANUARY 2014 - DECEMBER 2014

WEIGHTING FACTOR = 3.06%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,760.0	8,760.0	8,760.0
EAF	62.6	68.1	70.3
POH	1,584.0	1,813.2	1,584.0
FOH + EFOH	1,437.9	663.4	685.3
MOH + EMOH	251.6	321.4	332.0
POF	18.1	20.7	18.1
EFOF	16.4	7.6	7.8
EMOF	2.9	3.7	3.8
	<b>10.000</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 1584}{8760 - 1813.2} \times (663.4 + 321.4) = 1,017.3$$

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

$$100 - 18.1 - \frac{1017.3}{8760.0} \times 100 = 70.3$$

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 2014 - DECEMBER 2014

WEIGHTING FACTOR = 1.66%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,760.0	8,760.0	8,760.0
EAF	84.0	91.7	91.5
POH	455.0	437.7	455.0
FOH + EFOH	656.3	288.9	288.3
MOH + EMOH	292.2	3.0	3.0
POF	5.2	5.0	5.2
EFOF	7.5	3.3	3.3
EMOF	3.3	0.0	0.0
	<b>10.000</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 455}{8760 - 437.7} \times (288.9 + 3) = 291.3$$

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

$$100 - 5.2 - \frac{291.3}{8760.0} \times 100 = 91.5$$

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. 1  
JANUARY 2014 - DECEMBER 2014

WEIGHTING FACTOR = 5.89%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,760.0	8,760.0	8,760.0
EAF	94.0	82.3	83.5
POH	432.0	539.7	432.0
FOH + EFOH	17.9	531.7	538.7
MOH + EMOH	77.4	475.3	481.5
POF	4.9	6.2	4.9
EFOF	0.2	6.1	6.1
EMOF	0.9	5.4	5.5
	<b>-10.000</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 432}{8760 - 539.7} \times (531.7 + 475.3) = 1,020.2$$

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

$$100 - 4.9 - \frac{1020.2}{8760.0} \times 100 = 83.5$$

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 2014 - DECEMBER 2014

WEIGHTING FACTOR = 8.67%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,760.0	8,760.0	8,760.0
EAF	85.8	89.6	89.7
POH	432.0	436.3	432.0
FOH + EFOH	686.9	179.1	179.2
MOH + EMOH	126.9	293.8	294.0
POF	4.9	5.0	4.9
EFOF	7.8	2.0	2.0
EMOF	1.4	3.4	3.4
	<b>10.000</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 432}{8760 - 436.3} \times (179.1 + 293.8) = 473.1$$

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

$$100 - 4.9 - \frac{473.1}{8760.0} \times 100 = 89.7$$

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 HEAT RATE  
BIG BEND UNIT NO. 1  
JANUARY 2014 - DECEMBER 2014**

**WEIGHTING FACTOR =** 13.20%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10,501	10,620
NET GENERATION (GWH)	2,014.7	2,630.0
OPERATING BTU (10 <sup>9</sup> )	20,306.4	27,931.7
NET OUTPUT FACTOR	94.0	86.1

**-0.260                      HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION:       $\text{NOF} * (-4.81) + 10952.91 = \text{ANOHR}$

$86.1 * (-4.81) + 10952.91 = 10,539$

$10,620 - 10,539 = 81$

$10,501 + 81 = 10,582$  ← 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. 2  
JANUARY 2014 - DECEMBER 2014**

**WEIGHTING FACTOR =** 11.67%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10,271	10,294
NET GENERATION (GWH)	2,484.1	2,566.1
OPERATING BTU (10 <sup>9</sup> )	25,398.0	26,416.1
NET OUTPUT FACTOR	93.0	90.2

**0.000 HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION:  $\text{NOF} * (-13.11) + 11490.64 = \text{ANOHR}$

$90.2 * (-13.11) + 11490.64 = 10,308$

$10,294 - 10,308 = -14$

$10,271 + -14 = 10,257$  ← 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 2014 - DECEMBER 2014**

**WEIGHTING FACTOR = 8.77%**

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10,696	10,370
NET GENERATION (GWH)	2,304.5	2,573.5
OPERATING BTU (10 <sup>9</sup> )	24,508.4	26,686.5
NET OUTPUT FACTOR	82.1	93.9

**0.000 HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION:  $\text{NOF} * (-25.96) + 12827.1 = \text{ANOHR}$

$93.9 * (-25.96) + 12827.1 = 10,389$

$10,370 - 10,389 = -19$

$10,696 + -19 = 10,677$  ← 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 2014 - DECEMBER 2014**

**WEIGHTING FACTOR =** 8.96%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10,381	10,226
NET GENERATION (GWH)	2,217.0	2,346.9
OPERATING BTU (10 <sup>9</sup> )	22,686.8	24,000.3
NET OUTPUT FACTOR	88.3	91.9

**1.481 HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION:  $\text{NOF} * (-17.8) + 11953.28 = \text{ANOHR}$

$$91.9 * (-17.8) + 11953.28 = 10,318$$

$$10,226 - 10,318 = -92$$

$$10,381 + -92 = 10,290 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

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

**TAMPA ELECTRIC COMPANY  
ADJUSTMENTS TO HEAT RATE  
POLK UNIT NO. 1  
JANUARY 2014 - DECEMBER 2014**

**WEIGHTING FACTOR =** 5.05%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10,506	10,154
NET GENERATION (GWH)	1,651.2	1,638.2
OPERATING BTU (10 <sup>9</sup> )	16,778.6	16,633.8
NET OUTPUT FACTOR	96.5	95.9

**10.000 HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION:  $\text{NOF} * (-132.18) + 23262.1 = \text{ANOHR}$

$$95.9 * (-132.18) + 23262.1 = 10,587$$

$$10,154 - 10,587 = -433$$

$$10,506 + -433 = 10,074 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

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

**TAMPA ELECTRIC COMPANY  
ADJUSTMENTS TO HEAT RATE  
BAYSIDE UNIT NO. 1  
JANUARY 2014 - DECEMBER 2014**

**WEIGHTING FACTOR =** 10.47%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7,283	7,431
NET GENERATION (GWH)	3,263.9	2,664.4
OPERATING BTU (10 <sup>9</sup> )	23,860.8	19,799.7
NET OUTPUT FACTOR	60.4	56.6

**-9.341 HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION:  $\text{NOF} * (-4.81) + 10952.91 = \text{ANOHR}$

$$56.6 * (-8.71) + 7808.87 = 7,316$$

$$7,431 - 7,316 = 115$$

$$7,283 + 115 = 7,398 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

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

**TAMPA ELECTRIC COMPANY  
ADJUSTMENTS TO HEAT RATE  
BAYSIDE UNIT NO. 2  
JANUARY 2014 - DECEMBER 2014**

**WEIGHTING FACTOR =** 8.99%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7,387	7,486
NET GENERATION (GWH)	4,301.1	4,112.5
OPERATING BTU (10 <sup>9</sup> )	31,411.4	30,787.9
NET OUTPUT FACTOR	59.1	52.4

**0.000 HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION:  $\text{NOF} * (-4.81) + 10952.91 = \text{ANOHR}$

$$52.4 * (-6.37) + 7762.97 = 7,429$$

$$7,486 - 7,429 = 57$$

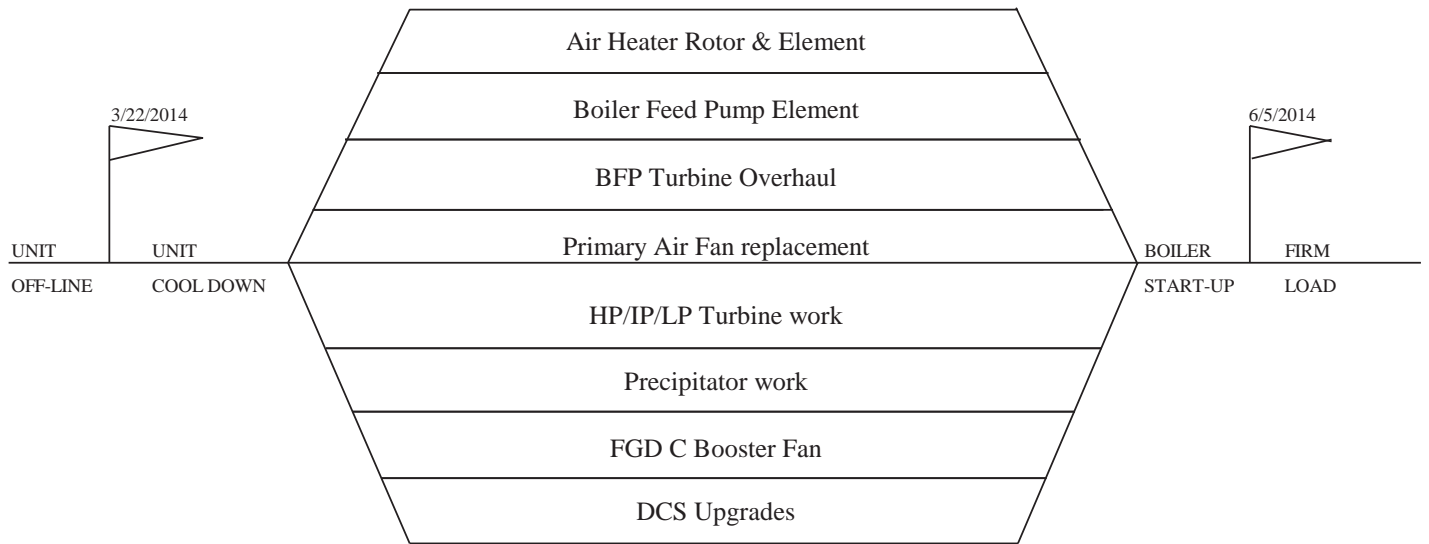
$$7,387 + 57 = 7,443 \quad \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

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

**TAMPA ELECTRIC COMPANY  
PLANNED OUTAGE SCHEDULE (ACTUAL)  
GPIF UNITS  
JANUARY 2014 - DECEMBER 2014**

PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DESCRIPTION
BIG BEND 1	Feb 15 - Mar 01 Sep 22 - Sep 29	Fuel System Cleanup and FGD/SCR work FGD Tower Maintenance
BIG BEND 2	Feb 14 - Mar 11 Sep 23 - Sep 28	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
BIG BEND 3	Mar 11 - Mar 22 Oct 01 - Oct 08	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
+ BIG BEND 4	Mar 22 - Jun 05	Air Heater Rotor & Element, Boiler Feed Pump Element, Burner Assembly & Coal Nozzles, Coal Feeder Replacement, Cooling Tower Replacement, DCS Upgrades, FGD C Booster Fan, FGD Tower Lined Piping, Finishing Reheater Replacement, BFP Turbine Overhaul, HP/IP/LP Turbine work, Precipitator work, Primary Air Fan replacement
POLK 1	Mar 02 - Mar 16 Aug 24 - Aug 28	Gasifier & Power Block Outage Gasifier Outage
BAYSIDE 1	Feb 09 - Feb 12 Nov 29 - Dec 18	Fuel System Cleanup Fuel System Cleanup
BAYSIDE 2	Mar 10 - Mar 19 Nov 14 - Nov 24	Fuel System Cleanup Fuel System Cleanup
+ 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 2014 - DECEMBER 2014**



TAMPA ELECTRIC COMPANY BIG BEND UNIT 4 PLANNED OUTAGE 2014 ACTUAL CPM
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TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2014 - DECEMBER 2014

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,201.3	65.0	+10	1,975.3	10,200
+9	1,081.2	64.6	+9	1,777.7	10,223
+8	961.0	64.2	+8	1,580.2	10,245
+7	840.9	63.7	+7	1,382.7	10,268
+6	720.8	63.3	+6	1,185.2	10,290
+5	600.6	62.8	+5	987.6	10,313
+4	480.5	62.4	+4	790.1	10,336
+3	360.4	61.9	+3	592.6	10,358
+2	240.3	61.5	+2	395.1	10,381
+1	120.1	61.1	+1	197.5	10,404
0	0.0	60.6	0	0.0	10,426
-1	(42.9)	59.7	-1	(197.5)	10,501
-2	(85.7)	58.9	-2	(395.1)	10,576
-3	(128.6)	58.0	-3	(592.6)	10,599
-4	(171.4)	57.1	-4	(790.1)	10,621
-5	(214.3)	56.2	-5	(987.6)	10,644
-6	(257.2)	55.3	-6	(1,185.2)	10,667
-7	(300.0)	54.4	-7	(1,382.7)	10,689
-8	(342.9)	53.5	-8	(1,580.2)	10,712
-9	(385.7)	52.7	-9	(1,777.7)	10,734
-10	(428.6)	51.8	-10	(1,975.3)	10,757

Weighting Factor =

8.03%

Weighting Factor =

13.20%

**TAMPA ELECTRIC COMPANY**  
**GENERATING PERFORMANCE INCENTIVE POINTS TABLE**  
**JANUARY 2014 - DECEMBER 2014**

**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	106.0	78.9	+10	1,746.0	10,057
+9	95.4	78.5	+9	1,571.4	10,071
+8	84.8	78.1	+8	1,396.8	10,085
+7	74.2	77.7	+7	1,222.2	10,099
+6	63.6	77.3	+6	1,047.6	10,113
+5	53.0	76.9	+5	873.0	10,127
+4	42.4	76.5	+4	698.4	10,140
+3	31.8	76.1	+3	523.8	10,154
+2	21.2	75.7	+2	349.2	10,168
+1	10.6	75.3	+1	174.6	10,182
0	0.0	74.9	0	0.0	10,196
-1	(55.0)	74.1	-1	(174.6)	10,271
-2	(110.0)	73.2	-2	(349.2)	10,346
-3	(165.0)	72.4	-3	(523.8)	10,360
-4	(220.0)	71.6	-4	(698.4)	10,374
-5	(275.0)	70.8	-5	(873.0)	10,388
-6	(330.0)	70.0	-6	(1,047.6)	10,401
-7	(385.0)	69.2	-7	(1,222.2)	10,415
-8	(440.0)	68.4	-8	(1,396.8)	10,429
-9	(495.0)	67.6	-9	(1,571.4)	10,443
-10	(550.0)	66.8	-10	(1,746.0)	10,457

Weighting Factor =

0.71%

Weighting Factor =

11.67%

TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2014 - DECEMBER 2014

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	732.4	78.3	+10	1,312.2	10,523
+9	659.1	77.9	+9	1,181.0	10,533
+8	585.9	77.4	+8	1,049.7	10,542
+7	512.7	77.0	+7	918.5	10,552
+6	439.4	76.6	+6	787.3	10,562
+5	366.2	76.2	+5	656.1	10,572
+4	292.9	75.8	+4	524.9	10,582
+3	219.7	75.3	+3	393.7	10,592
+2	146.5	74.9	+2	262.4	10,602
+1	73.2	74.5	+1	131.2	10,611
0	0.0	74.1	0	0.0	10,621
-1	(56.5)	73.2	-1	(131.2)	10,696
-2	(112.9)	72.4	-2	(262.4)	10,771
-3	(169.4)	71.6	-3	(393.7)	10,781
-4	(225.8)	70.7	-4	(524.9)	10,791
-5	(282.3)	69.9	-5	(656.1)	10,801
-6	(338.7)	69.0	-6	(787.3)	10,811
-7	(395.2)	68.2	-7	(918.5)	10,821
-8	(451.6)	67.4	-8	(1,049.7)	10,831
-9	(508.1)	66.5	-9	(1,181.0)	10,840
-10	(564.5)	65.7	-10	(1,312.2)	10,850

Weighting Factor =

4.89%

Weighting Factor =

8.77%

TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2014 - DECEMBER 2014

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	457.2	67.4	+10	1,340.6	10,195
+9	411.5	66.9	+9	1,206.5	10,206
+8	365.8	66.4	+8	1,072.5	10,217
+7	320.1	66.0	+7	938.4	10,229
+6	274.3	65.5	+6	804.3	10,240
+5	228.6	65.0	+5	670.3	10,251
+4	182.9	64.5	+4	536.2	10,262
+3	137.2	64.1	+3	402.2	10,273
+2	91.4	63.6	+2	268.1	10,284
+1	45.7	63.1	+1	134.1	10,295
0	0.0	62.6	0	0.0	10,306
-1	(27.2)	61.7	-1	(134.1)	10,381
-2	(54.3)	60.7	-2	(268.1)	10,456
-3	(81.5)	59.8	-3	(402.2)	10,468
-4	(108.6)	58.8	-4	(536.2)	10,479
-5	(135.8)	57.9	-5	(670.3)	10,490
-6	(162.9)	56.9	-6	(804.3)	10,501
-7	(190.1)	56.0	-7	(938.4)	10,512
-8	(217.2)	55.0	-8	(1,072.5)	10,523
-9	(244.4)	54.1	-9	(1,206.5)	10,534
-10	(271.5)	53.1	-10	(1,340.6)	10,546

Weighting Factor =

3.06%

Weighting Factor =

8.96%

TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2014 - DECEMBER 2014

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	248.0	86.4	+10	755.0	10,365
	<b>← EAF POINTS 10.000</b>	<b>Adjusted EAF 91.5 →</b>		<b>← AHR POINTS 10.000</b>	<b>Adjusted ANOHR 10,074 →</b>
+9	223.2	86.2	+9	679.5	10,372
+8	198.4	85.9	+8	604.0	10,379
+7	173.6	85.7	+7	528.5	10,385
+6	148.8	85.4	+6	453.0	10,392
+5	124.0	85.2	+5	377.5	10,398
+4	99.2	84.9	+4	302.0	10,405
+3	74.4	84.7	+3	226.5	10,412
+2	49.6	84.5	+2	151.0	10,418
+1	24.8	84.2	+1	75.5	10,425
					10,431
0	0.0	84.0	0	0.0	10,506
					10,581
-1	(25.9)	83.5	-1	(75.5)	10,588
-2	(51.8)	83.0	-2	(151.0)	10,595
-3	(77.8)	82.5	-3	(226.5)	10,601
-4	(103.7)	82.0	-4	(302.0)	10,608
-5	(129.6)	81.6	-5	(377.5)	10,614
-6	(155.5)	81.1	-6	(453.0)	10,621
-7	(181.5)	80.6	-7	(528.5)	10,627
-8	(207.4)	80.1	-8	(604.0)	10,634
-9	(233.3)	79.6	-9	(679.5)	10,641
-10	(259.2)	79.1	-10	(755.0)	10,647

Weighting Factor =

1.66%

Weighting Factor =

5.05%

TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2014 - DECEMBER 2014

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	880.8	94.4	+10	1,566.1	7,164
+9	792.8	94.4	+9	1,409.5	7,169
+8	704.7	94.4	+8	1,252.9	7,173
+7	616.6	94.3	+7	1,096.3	7,177
+6	528.5	94.3	+6	939.6	7,182
+5	440.4	94.2	+5	783.0	7,186
+4	352.3	94.2	+4	626.4	7,190
+3	264.3	94.1	+3	469.8	7,195
+2	176.2	94.1	+2	313.2	7,199
+1	88.1	94.0	+1	156.6	7,203
0	0.0	94.0	0	0.0	7,208
-1	(34.2)	93.9	-1	(156.6)	7,283
-2	(68.4)	93.8	-2	(313.2)	7,358
-3	(102.5)	93.7	-3	(469.8)	7,362
-4	(136.7)	93.6	-4	(626.4)	7,366
-5	(170.9)	93.5	-5	(783.0)	7,371
-6	(205.1)	93.4	-6	(939.6)	7,375
-7	(239.3)	93.3	-7	(1,096.3)	7,379
-8	(273.5)	93.2	-8	(1,252.9)	7,384
-9	(307.6)	93.2	-9	(1,409.5)	7,388
-10	(341.8)	93.1	-10	(1,566.1)	7,392
	<b>← EAF POINTS -10.000</b>	<b>Adjusted EAF 83.5 →</b>		<b>← AHR POINTS -9,341</b>	<b>Adjusted ANOHR 7,398 →</b>

Weighting Factor =

5.89%

Weighting Factor =

10.47%

TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE POINTS TABLE  
JANUARY 2014 - DECEMBER 2014

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	1,296.6	87.9	+10	1,344.6	7,310
+9	1,166.9	87.7	+9	1,210.1	7,310
+8	1,037.2	87.5	+8	1,075.7	7,310
+7	907.6	87.3	+7	941.2	7,310
+6	777.9	87.0	+6	806.8	7,311
+5	648.3	86.8	+5	672.3	7,311
+4	518.6	86.6	+4	537.8	7,311
+3	389.0	86.4	+3	403.4	7,311
+2	259.3	86.2	+2	268.9	7,311
+1	129.7	86.0	+1	134.5	7,311
0	0.0	85.8	0	0.0	7,312
-1	(208.5)	85.4	-1	(134.5)	7,387
-2	(417.1)	84.9	-2	(268.9)	7,462
-3	(625.6)	84.5	-3	(403.4)	7,462
-4	(834.1)	84.1	-4	(537.8)	7,462
-5	(1,042.6)	83.7	-5	(672.3)	7,462
-6	(1,251.2)	83.3	-6	(806.8)	7,463
-7	(1,459.7)	82.8	-7	(941.2)	7,463
-8	(1,668.2)	82.4	-8	(1,075.7)	7,463
-9	(1,876.7)	82.0	-9	(1,210.1)	7,463
-10	(2,085.3)	81.6	-10	(1,344.6)	7,463

Weighting Factor =

8.67%

Weighting Factor =

8.99%

TAMPA ELECTRIC COMPANY  
COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 14 - DEC 14			ACTUAL PERFORMANCE JAN 14 - DEC 14		
			POF	EUOF	EUOR	POF	EUOF	EUOR
BIG BEND 1	8.03%	24.4%	23.0	16.4	21.2	5.6	10.8	11.5
BIG BEND 2	0.71%	2.2%	6.6	18.6	19.9	8.4	10.6	11.6
BIG BEND 3	4.89%	14.9%	6.6	19.4	20.7	5.1	15.8	16.7
BIG BEND 4	3.06%	9.3%	18.1	19.3	23.5	20.7	11.2	14.2
POLK 1	1.66%	5.0%	5.2	10.8	11.4	5.0	3.3	3.5
BAYSIDE 1	5.89%	17.9%	4.9	10.8	11.4	5.0	3.3	3.5
BAYSIDE 2	8.67%	26.3%	4.9	10.8	11.4	5.0	3.3	3.5
<b>GPIF SYSTEM</b>	<b>32.9%</b>	<b>100.0%</b>	<b>10.9</b>	<b>14.4</b>	<b>16.5</b>	<b>6.7</b>	<b>7.9</b>	<b>8.6</b>
<b>GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)</b>			<b>74.7</b>			<b>85.4</b>		
			<b>3 PERIOD AVERAGE</b>			<b>3 PERIOD AVERAGE</b>		
			<b>POF EUOF EUOR</b>			<b>POF EUOF EUOR</b>		
			<b>10.9 14.4 16.5</b>			<b>6.7 7.9 8.6</b>		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET HEAT RATE	ADJUSTED ACTUAL HEAT RATE
			JAN 14 - DEC 14	JAN 14 - DEC 14
BIG BEND 1	13.20%	19.7%	10,501	10,582
BIG BEND 2	11.67%	17.4%	10,271	10,257
BIG BEND 3	8.77%	13.1%	10,696	10,677
BIG BEND 4	8.96%	13.4%	10,381	10,290
POLK 1	5.05%	7.5%	10,506	10,074
BAYSIDE 1	10.47%	15.6%	7,283	7,398
BAYSIDE 2	8.99%	13.4%	7,387	7,443
<b>GPIF SYSTEM</b>	<b>67.1%</b>	<b>100.0%</b>		
<b>GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)</b>			<b>9,552</b>	<b>9,544</b>



**TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION  
JANUARY 2014 - DECEMBER 2014**

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.

<i>GPIP</i> =	8.03%	*	(BB 1 EAP)	+	0.71%	*	(BB 2 EAP)	+	4.89%	*	(BB 3 EAP)
	+ 3.06%	*	(BB 4 EAP)	+	1.66%	*	(PK 1 EAP)	+	5.89%	*	(BAY 1 EAP)
	+ 8.67%	*	(BAY 2 EAP)	+	13.20%	*	(BB 1 AHRP)	+	11.67%	*	(BB 2 AHRP)
	+ 8.77%	*	(BB 3 AHRP)	+	8.96%	*	(BB 4 AHRP)	+	5.05%	*	(PK 1 AHRP)
	+ 10.47%	*	(BAY 1 AHRP)	+	8.99%	*	(BAY 2 AHRP)				

<i>GPIP</i> =	8.03%	*	10.000	+	0.71%	*	10.000	+	4.89%	*	8.872
	+ 3.06%	*	10.000	+	1.66%	*	10.000	+	5.89%	*	-10.000
	+ 8.67%	*	10.000	+	13.20%	*	-0.260	+	11.67%	*	0.000
	+ 8.77%	*	0.000	+	8.96%	*	1.481	+	5.05%	*	10.000
	+ 10.47%	*	-9.341	+	8.99%	*	0.000				

<i>GPIP</i> =	0.803	+	0.071	+	0.434
	+ 0.306	+	0.166	+	-0.589
	+ 0.867	+	-0.034	+	0.000
	+ 0.000	+	0.133	+	0.505
	+ -0.978	+	0.000		

*GPIP* = 1.682 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= \$1,405,913**

EXHIBIT NO. \_\_\_\_ (BSB-1)  
TAMPA ELECTRIC COMPANY  
DOCKET NO. 150001-EI  
GPIF 2014 FINAL TRUE-UP  
DOCUMENT NO. 2

EXHIBIT TO THE TESTIMONY OF  
BRIAN S. BUCKLEY

DOCKET NO. 150001-EI

TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE FACTOR  
JANUARY 2014 - DECEMBER 2014  
TRUE-UP

DOCUMENT NO. 2  
ACTUAL UNIT PERFORMANCE DATA

ORIGINAL SHEET NO. 8.401.14A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2014 - DECEMBER 2014

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 1	JAN 14	FEB 14	MAR 14	APR 14	MAY 14	JUN 14	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	2014
1. EAF (%)	82.1	46.8	80.9	91.1	78.2	94.6	84.5	88.1	66.6	98.7	93.0	94.4	83.5
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	652.7	338.9	688.6	720.0	615.4	720.0	692.3	705.3	566.4	744.0	701.7	730.5	7,875.9
4. 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	0.0
5. UH	91.3	333.1	54.4	0.0	128.6	0.0	51.7	38.7	153.6	0.0	19.3	13.5	884.1
6. POH	0.0	333.1	7.3	0.0	0.0	0.0	0.0	0.0	153.6	0.0	0.0	0.0	493.9
7. FOH	22.5	0.0	0.0	0.0	128.6	0.0	51.7	0.0	0.0	0.0	19.3	13.5	235.6
8. MOH	68.7	0.0	47.2	0.0	0.0	0.0	0.0	38.7	0.0	0.0	0.0	0.0	154.6
9. PFOH	392.9	298.9	588.1	689.7	371.8	622.9	672.6	485.4	376.1	187.9	129.7	460.5	5,276.7
10. LR PF (MW)	37.9	29.9	58.8	30.1	33.1	21.1	33.7	27.8	45.6	18.2	32.9	20.3	33.2
11. PMOH	12.1	4.6	0.4	22.5	5.5	14.3	15.3	29.8	173.9	2.8	53.8	11.7	346.6
12. LR PM (MW)	128.0	136.4	0.0	171.3	117.2	123.4	116.4	194.5	93.3	63.5	144.1	151.8	121.0
13. NSC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.1
14. OPR BTU(GBTU)	2,255.7	1,225.9	2,417.4	2,600.5	2,275.6	2,627.0	2,449.1	2,543.2	1,914.5	2,605.6	2,392.4	2,624.9	27,931.7
15. NET GEN (MWH)	215,512	118,258	228,305	241,047	215,829	251,586	228,371	237,825	175,948	244,428	224,701	248,184	2,629,994
16. ANOHR (BTU/KWH)	10,466.5	10,366.0	10,588.7	10,788.4	10,543.5	10,441.6	10,724.3	10,693.6	10,880.9	10,659.8	10,647.1	10,576.4	10,620.0
17. NOF (%)	83.6	88.3	83.9	87.0	91.1	90.8	85.7	87.6	80.7	85.3	83.2	86.0	86.1
18. NPC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
19. ANOHR EQUATION	ANOHR = NOF(-4.808)+ 10,953												

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ORIGINAL SHEET NO. 8.401.14A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2014 - DECEMBER 2014

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 14	FEB 14	MAR 14	APR 14	MAY 14	JUN 14	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	2014
1. EAF (%)	98.5	46.6	33.2	98.5	96.5	69.1	89.0	91.0	79.4	81.8	88.0	97.2	81.0
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	744.0	317.0	258.9	715.3	740.3	540.4	667.5	712.3	599.1	652.1	646.2	744.0	7,337.0
4. 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	0.0
5. UH	0.0	355.0	484.1	4.7	3.8	179.6	76.5	31.7	120.9	91.9	74.8	0.0	1,423.0
6. POH	0.0	355.0	260.0	0.0	0.0	0.0	0.0	0.0	120.9	0.0	0.0	0.0	735.9
7. FOH	0.0	0.0	224.1	4.7	3.8	179.6	76.5	0.0	0.0	91.9	74.8	0.0	655.4
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.7	0.0	0.0	0.0	0.0	31.7
9. PFOH	129.8	5.6	198.3	49.6	226.6	430.1	38.4	126.9	352.8	79.8	83.2	225.4	1,946.5
10. LR PF (MW)	24.9	61.6	24.9	6.8	29.5	35.7	11.4	65.8	24.5	76.3	21.8	10.9	30.2
11. PMOH	10.3	9.4	0.0	16.2	14.8	11.3	11.5	27.0	9.3	87.2	74.4	44.9	316.4
12. LR PM (MW)	115.8	136.1	0.0	122.8	124.5	110.5	145.0	193.3	191.9	120.4	37.2	127.9	111.4
13. NSC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	387.8
14. OPR BTU(GBTU)	2,820.4	1,104.3	1,001.4	2,718.0	2,719.3	1,872.4	2,482.3	2,583.2	2,148.7	2,124.0	2,191.4	2,650.7	26,416.1
15. NET GEN (MWH)	277,430	113,981	89,768	265,772	264,251	180,418	241,129	246,063	208,435	208,148	213,546	257,146	2,566,087
16. ANOHR (BTU/KWH)	10,166.3	9,688.5	11,155.5	10,226.9	10,290.6	10,378.1	10,294.6	10,498.0	10,309.0	10,204.3	10,261.8	10,308.0	10,294.0
17. NOF (%)	94.4	91.0	87.8	96.5	92.7	86.7	93.8	89.7	90.4	82.9	85.8	87.5	90.2
18. NPC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
19. ANOHR EQUATION	ANOHR = NOF(-13.110) + 11,491												

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ORIGINAL SHEET NO. 8.401.14A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2014 - DECEMBER 2014

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 14	FEB 14	MAR 14	APR 14	MAY 14	JUN 14	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	2014
1. EAF (%)	98.2	98.4	30.1	32.5	98.1	99.9	90.4	96.0	84.3	73.2	85.7	64.0	79.0
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	732.0	665.0	241.4	234.6	734.8	720.0	697.4	744.0	691.0	571.7	623.2	527.3	7,182.4
4. 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	0.0
5. UH	12.0	7.0	501.6	485.4	9.2	0.0	46.6	0.0	29.0	172.3	97.8	216.7	1,577.6
6. POH	0.0	0.0	276.7	0.0	0.0	0.0	0.0	0.0	0.0	172.3	0.0	0.0	449.0
7. FOH	12.0	0.0	225.0	485.4	9.2	0.0	46.6	0.0	29.0	0.0	76.6	216.7	1,100.5
8. MOH	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.2	0.0	28.1
9. PFOH	3.7	0.0	141.8	5.5	51.1	15.2	607.6	695.6	681.0	38.3	4.7	293.4	2,537.9
10. LR PF (MW)	34.8	0.0	45.9	13.2	19.0	17.4	13.9	14.3	47.0	149.9	147.1	67.4	33.3
11. PMOH	4.4	15.4	0.0	2.3	8.9	3.0	14.7	15.8	10.0	32.1	14.1	2.9	123.8
12. LR PM (MW)	77.1	85.2	0.0	107.6	96.3	0.0	83.0	110.8	126.0	151.8	99.7	203.2	112.1
13. NSC (MW)	365.0	365.0	365.0	365.0	365.0	365.0	395.0	395.0	395.0	395.0	395.0	400.0	381.5
14. OPR BTU(GBTU)	2,861.5	2,604.1	857.0	888.4	2,852.3	2,802.2	2,662.1	2,829.3	2,422.1	1,913.1	2,197.7	1,796.7	26,686.5
15. NET GEN (MWH)	274,889	246,362	81,387	85,654	277,407	272,116	256,359	276,624	230,785	188,692	212,220	170,967	2,573,462
16. ANOHR BTU/KWH	10,409.7	10,570.1	10,529.4	10,372.2	10,282.1	10,297.9	10,384.2	10,227.8	10,495.0	10,138.7	10,355.8	10,509.3	10,370.0
17. NOF (%)	102.9	101.5	92.4	100.0	103.4	103.5	93.1	94.1	84.6	83.6	86.2	81.1	93.9
18. NPC (MW)	365.0	365.0	365.0	365.0	365.0	365.0	395.0	395.0	395.0	395.0	395.0	400.0	380.4
19. ANOHR EQUATION	ANOHR = NOF(-25.960) + 12,827												

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ORIGINAL SHEET NO. 8.401.14A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2014 - DECEMBER 2014

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 14	FEB 14	MAR 14	APR 14	MAY 14	JUN 14	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	2014
1. EAF (%)	68.6	94.5	60.9	0.0	0.0	74.0	89.0	93.0	75.4	70.5	96.0	96.4	68.1
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	516.1	670.2	503.3	0.0	0.0	569.0	671.8	701.9	602.0	538.7	721.0	722.6	6,216.7
4. 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	0.0
5. UH	227.9	1.8	239.7	720.0	744.0	151.0	72.2	42.1	118.0	205.3	0.0	21.4	2,543.3
6. POH	0.0	0.0	239.7	720.0	744.0	109.5	0.0	0.0	0.0	0.0	0.0	0.0	1,813.2
7. FOH	42.9	1.8	0.0	0.0	0.0	41.4	0.0	42.1	118.0	205.3	0.0	0.0	451.5
8. MOH	185.0	0.0	0.0	0.0	0.0	0.0	72.2	0.0	0.0	0.0	0.0	21.4	278.6
9. PFOH	21.1	591.6	502.9	0.0	0.0	176.8	30.4	52.7	277.1	19.5	139.2	39.7	1,851.0
10. LR PF (MW)	65.5	25.0	42.0	0.0	0.0	73.0	56.6	35.7	74.5	120.5	66.2	24.0	47.0
11. PMOH	3.5	2.5	0.5	0.0	0.0	16.8	31.8	19.7	16.9	25.9	35.2	8.7	161.5
12. LR PM (MW)	254.8	0.0	0.0	0.0	0.0	115.3	65.0	108.7	197.7	134.5	71.8	134.4	108.7
13. NSC (MW)	417.0	417.0	417.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	417.0	410.9
14. OPR BTU(GBTU)	2,106.3	2,634.4	1,882.2	0.0	77.2	2,123.4	2,743.4	2,936.8	2,157.4	1,871.7	2,636.9	2,830.7	24,000.3
15. NET GEN (MWH)	197,571	254,435	183,838	0	-6	213,862	271,121	289,694	212,510	183,217	258,522	282,105	2,346,869
16. ANOHR BTU/KWH	10,661.1	10,354.0	10,238.2	0.0	0.0	9,929.0	10,118.7	10,137.5	10,151.8	10,215.6	10,199.9	10,034.0	10,226.0
17. NOF (%)	91.8	91.0	87.6	0.0	0.0	92.3	99.2	101.4	86.7	83.6	88.1	93.6	91.9
18. NPC (MW)	417.0	417.0	417.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	417.0	410.3
19. ANOHR EQUATION	ANOHR = NOF(-17.797) + 11,953												

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ORIGINAL SHEET NO. 8.401.14A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2014 - DECEMBER 2014

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 14	FEB 14	MAR 14	APR 14	MAY 14	JUN 14	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	2014
1. EAF (%)	99.1	99.3	49.6	100.0	99.0	99.4	100.0	87.2	100.0	99.3	98.8	70.1	91.7
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	740.0	667.1	352.2	720.0	736.2	715.8	744.0	648.7	720.0	722.7	534.4	462.2	7,763.4
4. RSH	0.0	0.0	29.2	0.0	0.0	0.0	0.0	0.0	0.0	15.8	177.6	59.6	282.3
5. UH	4.0	4.9	361.6	0.0	7.8	4.2	0.0	95.3	0.0	5.5	8.9	222.2	714.3
6. POH	0.0	0.0	344.5	0.0	0.0	0.0	0.0	93.2	0.0	0.0	0.0	0.0	437.7
7. FOH	4.0	4.9	17.2	0.0	7.8	1.2	0.0	2.1	0.0	5.5	8.9	222.2	273.7
8. MOH	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
9. PFOH	7.9	0.0	34.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.3
10. LR PF (MW)	75.0	0.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.1
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. NSC (MW)	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
14. OPR BTU(GBTU)	1,589.9	1,522.7	627.8	1,510.4	1,643.2	1,518.9	1,576.9	1,286.9	1,525.2	1,672.3	1,175.9	983.5	16,633.8
15. NET GEN (MWH)	154,691	142,759	59,400	157,209	158,225	151,578	160,260	129,592	159,725	163,319	105,393	96,017	1,638,168
16. ANOHR BTU/KWH	10,278.0	10,666.4	10,568.4	9,607.8	10,385.4	10,020.8	9,839.7	9,930.7	9,548.9	10,239.4	11,157.7	10,242.8	10,154.0
17. NOF (%)	95.0	97.3	76.7	99.2	97.7	96.3	97.9	90.8	100.8	102.7	89.6	94.4	95.9
18. NPC (MW)	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
19. ANOHR EQUATION	ANOHR = NOF(-132.175) + 23,262												

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ORIGINAL SHEET NO. 8.401.14A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2014 - DECEMBER 2014

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
BAYSIDE UNIT 1	JAN 14	FEB 14	MAR 14	APR 14	MAY 14	JUN 14	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	2014
1. EAF (%)	73.7	53.9	75.4	87.2	88.6	89.4	91.2	98.8	100.0	94.3	93.4	43.2	82.3
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	90.4	194.6	610.8	640.8	660.2	699.2	735.5	744.0	720.0	684.9	671.6	130.1	6,582.1
4. RSH	558.5	294.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	2.0	192.4	1,071.3
5. UH	95.1	182.6	132.2	79.2	83.8	20.8	8.5	0.0	0.0	35.6	47.4	421.5	1,106.6
6. POH	0.0	70.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.4	421.5	539.7
7. FOH	95.1	106.6	132.2	66.7	66.8	4.8	8.5	0.0	0.0	3.0	0.0	0.0	483.7
8. MOH	0.0	5.2	0.0	12.6	17.0	15.9	0.0	0.0	0.0	32.5	0.0	0.0	83.2
9. PFOH	0.0	42.9	7.7	0.0	3.5	3.6	100.8	27.1	0.0	0.0	0.0	4.3	189.9
10. LR PF (MW)	0.0	8.2	264.0	0.0	233.7	233.7	233.7	233.7	0.0	0.0	0.0	264.0	184.7
11. PMOH	302.0	380.5	144.5	38.4	0.0	162.9	70.3	0.0	0.0	21.5	0.0	0.0	1,120.1
12. LR PM (MW)	264.0	264.0	264.0	233.7	0.0	233.7	233.7	0.0	0.0	233.7	0.0	0.0	256.1
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	715.2
14. OPR BTU(GBTU)	242.3	552.4	2,149.3	1,794.1	2,131.6	2,101.2	2,242.4	2,377.8	2,450.7	1,936.3	1,549.2	272.3	19,799.7
15. NET GEN (MWH)	31,884	74,675	293,887	246,251	289,344	282,175	298,460	320,182	331,645	258,997	203,623	33,271	2,664,395
16. ANOHR (BTU/KWH)	7,600.6	7,397.9	7,313.3	7,285.6	7,367.1	7,446.6	7,513.2	7,426.3	7,389.6	7,476.0	7,608.3	8,183.8	7,431.0
17. NOF (%)	44.5	48.5	60.7	54.8	62.5	57.6	57.9	61.4	65.7	53.9	43.3	32.3	56.6
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(-8.710) + 7,809												

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ORIGINAL SHEET NO. 8.401.14A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2014 - DECEMBER 2014

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
BAYSIDE UNIT 2	JAN 14	FEB 14	MAR 14	APR 14	MAY 14	JUN 14	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	2014
1. EAF (%)	99.2	92.5	60.9	99.4	94.0	98.2	99.4	100.0	86.4	99.0	59.7	87.2	89.6
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	744.0	672.0	535.7	720.0	727.2	720.0	744.0	744.0	661.3	744.0	480.2	625.7	8,118.0
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	1.9	23.9	39.0
5. UH	0.0	0.0	207.3	0.0	16.8	0.0	0.0	0.0	45.5	0.0	238.9	94.4	602.9
6. POH	0.0	0.0	205.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	230.8	0.0	436.3
7. FOH	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	94.4	104.3
8. MOH	0.0	0.0	0.0	0.0	16.8	0.0	0.0	0.0	45.5	0.0	0.0	0.0	62.3
9. PFOH	1.0	138.4	13.1	0.0	0.4	6.6	2.2	1.3	85.6	15.2	32.5	2.3	298.5
10. LR PF (MW)	261.8	261.8	261.8	0.0	309.7	3.0	232.3	232.3	232.3	232.3	232.3	261.8	242.6
11. PMOH	21.7	64.5	319.6	17.8	109.4	52.6	15.2	0.0	124.6	13.6	174.6	0.0	913.5
12. LR PM (MW)	261.8	261.8	261.8	232.3	232.3	232.3	232.3	0.0	232.3	232.3	232.3	0.0	245.4
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	966.5
14. OPR BTU(GBTU)	2,806.9	2,474.4	2,144.6	3,030.9	3,092.6	3,043.4	2,946.3	3,107.4	2,523.8	2,408.7	1,006.9	2,202.2	30,787.9
15. NET GEN (MWH)	376,838	330,441	289,469	408,669	420,696	410,602	391,061	419,685	339,945	319,689	125,824	279,578	4,112,497
16. ANOHR (BTU/KWH)	7,448.6	7,488.1	7,408.6	7,416.4	7,351.1	7,411.9	7,534.1	7,404.1	7,424.2	7,534.4	8,002.3	7,876.9	7,486.0
17. NOF (%)	48.4	47.0	51.6	61.1	62.3	61.4	56.6	60.7	55.3	46.3	28.2	42.7	52.4
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(-6.365) + 7,763												

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