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March 15, 2012

HAND DELIVERED

Ms. Ann Cole, Director
Division of 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. 120001-EI

RECEIVED-FPSC
12 MAR 15 PM 1:11
COMMISSION
CLERK

Dear Ms. Cole:

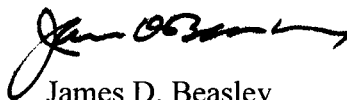
Enclosed for filing in the above docket on behalf of Tampa Electric Company are the original and fifteen (15) copies of each of the following:

1. Petition for Approval of Generating Performance Incentive Factor Results for the Twelve Month Period Ending December 2011.
2. Prepared Direct Testimony and Exhibit (BSB-1) of Brian S. Buckley regarding Generating Performance Incentive Factor True-Up for the period January 2011 through December 2011.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this letter and returning same to this writer.

Thank you for your assistance in connection with this matter.

Sincerely,



James D. Beasley

JDB/pp
Enclosures

cc: All parties of record (w/encls.)

COM 5 (test. only)
APA 1
ECR 6
GCL 1
RAD 1
SRC
ADM
OPC
CLK
Cl. Rep. 1 (Test. Only)

DOCUMENT NUMBER-DATE

01582 MAR 15 2012

FPSC-COMMISSION CLERK

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

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

DOCKET NO. 120001-EI
FILED: March 15, 2012

**TAMPA ELECTRIC COMPANY'S PETITION FOR APPROVAL OF
GENERATING PERFORMANCE INCENTIVE FACTOR RESULTS
FOR THE TWELVE MONTH PERIOD ENDING DECEMBER 2011**

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 2011. In support of this Petition, Tampa Electric states as follows:

1. By Order No. PSC-11-0579-FOF-E1, dated December 16, 2011, the Commission approved Tampa Electric's GPIF targets for the period January 2011 through December 2011. The application of the GPIF formula to the performance of the company's GPIF units during that period produces a penalty of \$538,019. The calculation of the company's GPIF penalty 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 \$538,019 as its GPIF penalty for the period ending December 2011 and authorize the inclusion of this amount in the calculation of Tampa Electric's fuel factors for the period beginning January 2013.

DOCUMENT NUMBER-DATE

01582 MAR 15 2012

FPSC-COMMISSION CLERK

DATED this 15th day of March 2012.

Respectfully submitted,



JAMES D. BEASLEY
J. JEFFRY WAHLEN
Ausley & McMullen
Post Office Box 391
Tallahassee, Florida 32302
(850) 224-9115

ATTORNEYS FOR TAMPA ELECTRIC COMPANY

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the foregoing Petition, filed on behalf of Tampa Electric Company, has been served by hand delivery (*) or U. S. Mail on this 15th day of March 2012 to the following:

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ATTORNEY



BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 120001-EI
IN RE: FUEL & PURCHASED POWER COST RECOVERY
AND
CAPACITY COST RECOVERY

GENERATING PERFORMANCE INCENTIVE FACTOR
TRUE-UP
JANUARY 2011 THROUGH DECEMBER 2011

TESTIMONY AND EXHIBIT
OF
BRIAN S. BUCKLEY

DOCUMENT NUMBER-DATE

01582 MAR 15 2011

FPSC-COMMISSION CLERK

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, Operations Planning.

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 August
2 2008, I was promoted to Manager, Operations Planning.
3 Currently, I am the Manager of Compliance and Performance
4 responsible for unit performance analysis and reporting of
5 generation 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 station heat rate used to determine the Generating
12 Performance Incentive Factor ("GPIF") for the period January
13 2011 through December 2011. I will also compare these
14 results to the targets established prior to the beginning of
15 the 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 2011 -
22 December 2011 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 2011 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 2011 through
12 December 2011 period?
13
- 14 **A.** Yes, I have. This is shown on Document No. 1, page 2 of 32.
15 Based upon -0.701 Generating Performance Incentive Points
16 ("GPIP"), the result is a penalty amount of \$538,019 for the
17 period.
18
- 19 **Q.** Please proceed with your review of the actual results for
20 the January 2011 through December 2011 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 \$1,885,986,154.
24 This produces the maximum reward amount of \$7,670,649 as
25 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, 504.0 planned outage hours were originally

1 scheduled for 2011. Actual outage activities required 509.7
2 planned outage hours. Consequently, the actual equivalent
3 availability of 80.6 percent is adjusted to 80.7 percent as
4 shown on Document No. 1, page 7 of 32.

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

7 On this unit, 2,089.0 planned outage hours were originally
8 scheduled for 2011. Actual outage activities required
9 1,499.9 planned outage hours. Consequently, the actual
10 equivalent availability of 57.3 percent is adjusted to 52.7
11 percent as shown on Document No. 1, page 8 of 32.

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

14 On this unit, 577.0 planned outage hours were originally
15 scheduled for 2011. Actual outage activities required 749.6
16 planned outage hours. Consequently, the actual equivalent
17 availability of 73.6 percent is adjusted to 75.2 percent as
18 shown on Document No. 1, page 9 of 32.

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

21 On this unit, 576.0 planned outage hours were originally
22 scheduled for 2011. Actual outage activities required 820.7
23 planned outage hours. Consequently, the actual equivalent
24 availability of 75.5 percent is adjusted to 77.8 percent as
25 shown on Document No. 1, page 10 of 32.

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Polk Unit No. 1

On this unit, 528.0 planned outage hours were originally scheduled for 2011. Actual outage activities required 384.0 planned outage hours. Consequently, the actual equivalent availability of 78.4 percent is adjusted to 77.0 percent, as shown on Document No. 1, page 11 of 32.

Bayside Unit No. 1

On this unit, 1,848.0 planned outage hours were originally scheduled for 2011. Actual outage activities required 1,853.4 planned outage hours. Consequently, the actual equivalent availability of 77.5 percent is adjusted to 77.6 percent, as shown on Document No. 1, page 12 of 32.

Bayside Unit No. 2

On this unit, 336.0 planned outage hours were originally scheduled for 2011. Actual outage activities required 277.2 planned outage hours. Consequently, the actual equivalent availability of 92.2 percent is adjusted to 91.6 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 2011 through December 2011 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 -0.701, is then entered into the GPIF table on page 2 of 32.
6 Using linear interpolation, the penalty amount is \$538,019.
7

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

10 **A.** Yes, it does.
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GENERATING PERFORMANCE INCENTIVE FACTOR

INDEX

DOCUMENT NO.	TITLE	BATES STAMPED PAGE NO.
1	GPIF Schedules	10
2	Actual Unit Performance Data	43

EXHIBIT NO. ____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 120001-EI
GPIF 2011 FINAL TRUE-UP
DOCUMENT NO. 1

EXHIBIT TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCKET NO. 120001-EI

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2011 - DECEMBER 2011
TRUE-UP

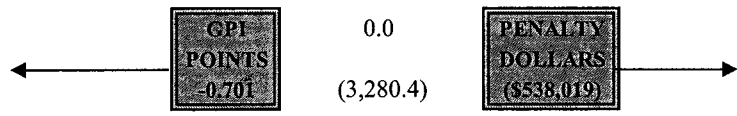
DOCUMENT NO. 1
GPIF SCHEDULES

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2011 - DECEMBER 2011
TRUE-UP
TABLE OF CONTENTS**

<u>SCHEDULE</u>	<u>PAGE</u>
GPIF REWARD / PENALTY TABLE - ACTUAL	2
GPIF CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS	3
CALCULATIONS OF SYSTEM GPIF POINTS - ACTUAL	4
GPIF TARGET AND RANGE SUMMARY	5
UNIT PERFORMANCE DATA - ACTUAL	6
ADJUSTMENTS TO PERFORMANCE	7 - 13
ADJUSTMENTS TO HEAT RATE	14 - 20
PLANNED OUTAGE SCHEDULE - ACTUAL	21
CRITICAL PATH METHOD DIAGRAMS	22 - 23
GENERATING PERFORMANCE INCENTIVE POINTS TABLES	24 - 30
COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE	31
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION	32

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE - ACTUAL
JANUARY 2011 - DECEMBER 2011

<u>GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)</u>
+10	28,353.9	7,670.6
+9	25,518.5	6,903.6
+8	22,683.1	6,136.5
+7	19,847.7	5,369.5
+6	17,012.3	4,602.4
+5	14,176.9	3,835.3
+4	11,341.5	3,068.3
+3	8,506.2	2,301.2
+2	5,670.8	1,534.1
+1	2,835.4	767.1
0	0.0	0.0
-1	(3,280.4)	(767.1)
-2	(6,560.8)	(1,534.1)
-3	(9,841.2)	(2,301.2)
-4	(13,121.6)	(3,068.3)
-5	(16,402.0)	(3,835.3)
-6	(19,682.4)	(4,602.4)
-7	(22,962.8)	(5,369.5)
-8	(26,243.2)	(6,136.5)
-9	(29,523.6)	(6,903.6)
-10	(32,804.0)	(7,670.6)



**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS - ACTUAL
JANUARY 2011 - DECEMBER 2011**

Line 1	Beginning of period balance of common equity: End of month common equity:		\$ 1,883,456,000
Line 2	Month of January	2011	\$ 1,897,160,000
Line 3	Month of February	2011	\$ 1,853,936,000
Line 4	Month of March	2011	\$ 1,863,833,000
Line 5	Month of April	2011	\$ 1,877,927,000
Line 6	Month of May	2011	\$ 1,862,102,000
Line 7	Month of June	2011	\$ 1,885,804,000
Line 8	Month of July	2011	\$ 1,912,137,000
Line 9	Month of August	2011	\$ 1,895,828,000
Line 10	Month of September	2011	\$ 1,916,262,000
Line 11	Month of October	2011	\$ 1,930,218,000
Line 12	Month of November	2011	\$ 1,863,251,000
Line 13	Month of December	2011	\$ 1,875,906,000
Line 14	(Summation of line 1 through line 13 divided by 13)		\$ 1,885,986,154
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)		\$ 7,708,474
Line 18	Jurisdictional Sales		18,563,569 MWH
Line 19	Total Sales		18,655,109 MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)		99.51%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)		\$ 7,670,649

**TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS - ACTUAL
JANUARY 2011 - DECEMBER 2011**

<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	80.7%	EAF	4.79%	10.000	0.479
BIG BEND 2	52.7%	EAF	6.23%	-10.000	-0.623
BIG BEND 3	75.2%	EAF	6.47%	-10.000	-0.647
BIG BEND 4	77.8%	EAF	8.25%	-0.118	-0.010
POLK 1	77.0%	EAF	0.70%	-10.000	-0.070
BAYSIDE 1	77.6%	EAF	1.40%	-2.651	-0.037
BAYSIDE 2	91.6%	EAF	0.33%	-10.000	-0.033
BIG BEND 1	10630	ANOHR	13.09%	0.000	0.000
BIG BEND 2	10260	ANOHR	8.71%	1.591	0.139
BIG BEND 3	10406	ANOHR	10.13%	4.623	0.468
BIG BEND 4	10295	ANOHR	10.62%	9.625	1.023
POLK 1	10430	ANOHR	16.31%	-8.528	-1.391
BAYSIDE 1	7190	ANOHR	5.15%	0.000	0.000
BAYSIDE 2	7301	ANOHR	7.82%	0.000	0.000
			100.00%		-0.701

GPIF REWARD	\$ (538,019)
-------------	--------------

**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	4.79%	67.94	73.5	56.8	1,359.3	(5,657.4)	80.7%	5,657.4
BIG BEND 2	6.23%	62.38	66.3	54.5	1,765.3	(1,487.8)	52.7%	(1,487.8)
BIG BEND 3	6.47%	83.55	85.8	78.9	1,833.9	(1,379.9)	75.2%	(1,379.9)
BIG BEND 4	8.25%	77.88	81.3	71.0	2,339.2	(2,354.1)	77.8%	(27.9)
POLK 1	0.70%	88.65	90.0	85.9	198.3	(455.9)	77.0%	(455.9)
BAYSIDE 1	1.40%	78.23	79.4	75.9	397.4	(821.4)	77.6%	(217.7)
BAYSIDE 2	0.33%	94.41	95.0	93.3	93.8	(280.8)	91.6%	(280.8)
GPIF SYSTEM	28.17%				7,987.1	(12,437.2)		

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	13.09%	10,649	91.3	10,176	11,123	3,710.3	(3,710.3)	10,630	0.0
BIG BEND 2	8.71%	10,379	91.2	10,025	10,733	2,469.7	(2,469.7)	10,260	392.9
BIG BEND 3	10.13%	10,602	86.9	10,265	10,939	2,871.4	(2,871.4)	10,406	1,327.5
BIG BEND 4	10.62%	10,599	90.8	10,286	10,911	3,012.5	(3,012.5)	10,295	2,899.7
POLK 1	16.31%	9,820	97.5	9,117	10,522	4,624.5	(4,624.5)	10,430	(3,943.9)
BAYSIDE 1	5.15%	7,212	86.6	7,120	7,305	1,459.8	(1,459.8)	7,190	0.0
BAYSIDE 2	7.82%	7,311	84.7	7,222	7,400	2,218.6	(2,218.6)	7,301	0.0
GPIF SYSTEM	71.83%					20,366.7	(20,366.7)		

15

EXHIBIT NO. _____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 120001 - EI
DOCUMENT NO. 1
Page 5 of 32

**TAMPA ELECTRIC COMPANY
UNIT PERFORMANCE DATA - ACTUAL
JANUARY 2011 - DECEMBER 2011**

<u>PLANT / UNIT</u>	<u>ACTUAL EAF (%)</u>	<u>ADJUSTMENTS (1) TO EAF (%)</u>	<u>EAF ADJUSTED ACTUAL (%)</u>
BIG BEND 1	80.6	0.1	80.7
BIG BEND 2	57.3	-4.6	52.7
BIG BEND 3	73.6	1.6	75.2
BIG BEND 4	75.5	2.3	77.8
POLK 1	78.4	-1.4	77.0
BAYSIDE 1	77.5	0.1	77.6
BAYSIDE 2	92.2	-0.6	91.6

<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	10700	-70	10630
BIG BEND 2	10280	-20	10260
BIG BEND 3	10303	103	10406
BIG BEND 4	10317	-22	10295
POLK 1	10177	253	10430
BAYSIDE 1	7244	-54	7190
BAYSIDE 2	7369	-68	7301

(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 2011 - DECEMBER 2011

WEIGHTING FACTOR = 4.79%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	67.9	80.6	80.7
POH	504.0	509.7	504.0
FOH + EFOH	1495.5	985.5	986.2
MOH + EMOH	809.1	200.0	200.1
POF	5.8	5.8	5.8
EFOF	17.1	11.3	11.3
EMOF	9.2	2.3	2.3
	10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 504}{8760 - 509.7} \times (985.5 + 200) = 1186.3$$

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

$$100 - 5.8 - \frac{1186.3}{8760.0} \times 100 = 80.7$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 2
JANUARY 2011 - DECEMBER 2011

WEIGHTING FACTOR = 6.23%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	62.4	57.3	52.7
POH	2089.0	1499.9	2089.0
FOH + EFOH	1052.0	2078.2	1909.6
MOH + EMOH	154.7	166.5	153.0
POF	23.8	17.1	23.8
EFOF	12.0	23.7	21.8
EMOF	1.8	1.9	1.7
	-10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 2089}{8760 - 1499.9} \times (2078.2 + 166.5) = 2062.6$$

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

$$100 - 23.8 - \frac{2062.6}{8760.0} \times 100 = 52.7$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 3
JANUARY 2011 - DECEMBER 2011

WEIGHTING FACTOR = 6.47%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	83.5	73.6	75.2
POH	577.0	749.6	577.0
FOH + EFOH	722.3	1355.1	1384.3
MOH + EMOH	142.1	209.1	213.6
POF	6.6	8.6	6.6
EFOF	8.2	15.5	15.8
EMOF	1.6	2.4	2.4
	-10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 577}{8760 - 749.6} \times (1355.1 + 209.1) = 1597.9$$

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

$$100 - 6.6 - \frac{1597.9}{8760.0} \times 100 = 75.2$$

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. 4
JANUARY 2011 - DECEMBER 2011

WEIGHTING FACTOR = 8.25%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	77.9	75.5	77.8
POH	576.0	820.7	576.0
FOH + EFOH	1233.6	1120.9	1155.4
MOH + EMOH	128.0	200.7	206.9
POF	6.6	9.4	6.6
EFOF	14.1	12.8	13.2
EMOF	1.5	2.3	2.4
	-0.118	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 576}{8760 - 820.7} \times (1120.9 + 200.7) = 1362.3$$

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

$$100 - 6.6 - \frac{1362.3}{8760.0} \times 100 = 77.8$$

- 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
POLK UNIT NO. 1
JANUARY 2011 - DECEMBER 2011

WEIGHTING FACTOR = 0.70%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	88.6	78.4	77.0
POH	528.0	384.0	528.0
FOH + EFOH	446.5	1400.9	1376.8
MOH + EMOH	20.1	110.4	108.5
POF	6.0	4.4	6.0
EFOF	5.1	16.0	15.7
EMOF	0.2	1.3	1.2
	-10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 528}{8760 - 384} \times (1400.9 + 110.4) = 1485.3$$

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

$$100 - 6 - \frac{1485.3}{8760.0} \times 100 = 77.0$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BAYSIDE UNIT NO. 1
JANUARY 2011 - DECEMBER 2011

WEIGHTING FACTOR = 1.40%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	78.2	77.5	77.6
POH	1848.0	1853.4	1848.0
FOH + EFOH	11.6	25.6	25.6
MOH + EMOH	47.3	89.3	89.4
POF	21.1	21.2	21.1
EFOF	0.1	0.3	0.3
EMOF	0.5	1.0	1.0
	-2.651	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 1848}{8760 - 1853.4} \times (25.6 + 89.3) = 115.0$$

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

$$100 - 21.1 - \frac{115.0}{8760.0} \times 100 = 77.6$$

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
BAYSIDE UNIT NO. 2
JANUARY 2011 - DECEMBER 2011

WEIGHTING FACTOR = 0.33%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	94.4	92.2	91.6
POH	336.0	277.2	336.0
FOH + EFOH	25.2	8.7	8.6
MOH + EMOH	128.3	398.9	396.1
POF	3.8	3.2	3.8
EFOF	0.3	0.1	0.1
EMOF	1.5	4.6	4.5
	-10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 336}{8760 - 277.2} \times (8.7 + 398.9) = 404.8$$

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

$$100 - 3.8 - \frac{404.8}{8760.0} \times 100 = 91.6$$

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 HEAT RATE
BIG BEND UNIT NO. 1
JANUARY 2011 - DECEMBER 2011**

WEIGHTING FACTOR = 13.09%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10649	10700
NET GENERATION (GWH)	2646.9	2591.2
OPERATING BTU (10 ⁹)	27315.0	27725.5
NET OUTPUT FACTOR	91.3	86.6

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-14.87) + 12006.69 = ANOHR$

$$86.6 * (-14.87) + 12006.69 = 10719$$

$$10700 - 10719 = -19$$

$$10649 + -19 = 10630 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

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

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 2
JANUARY 2011 - DECEMBER 2011**

WEIGHTING FACTOR = 8.71%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10379	10280
NET GENERATION (GWH)	2108.1	1879.6
OPERATING BTU (10 ⁹)	21820.2	19322.3
NET OUTPUT FACTOR	91.2	89.2

1.591 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-10.49) + 11335.32 = ANOHR$

$$89.2 * (-10.49) + 11335.32 = 10400$$

$$10280 - 10400 = -120$$

$$10379 + -120 = 10260 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

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

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 3
JANUARY 2011 - DECEMBER 2011**

WEIGHTING FACTOR = 10.13%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10602	10303
NET GENERATION (GWH)	2344.7	2305.8
OPERATING BTU (10 ⁹)	24758.3	23756.4
NET OUTPUT FACTOR	86.9	94.7

4.623 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-13.18) + 11747.49 = ANOHR$

$$94.7 * (-13.18) + 11747.49 = 10499$$

$$10303 - 10499 = -196$$

$$10602 + (-196) = 10406 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

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

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 4
JANUARY 2011 - DECEMBER 2011**

WEIGHTING FACTOR = 10.62%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10599	10317
NET GENERATION (GWH)	2859.3	2641.7
OPERATING BTU (10 ⁹)	30115.9	27256.1
NET OUTPUT FACTOR	90.8	90.1

9.625 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-31.68) + 13475.33 = \text{ANOHR}$

$90.1 * (-31.68) + 13475.33 = 10621$

$10317 - 10621 = -304$

$10599 + -304 = 10295$ ← 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 2011 - DECEMBER 2011**

WEIGHTING FACTOR = 16.31%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	9820	10177
NET GENERATION (GWH)	1518.2	1483.5
OPERATING BTU (10 ⁹)	16009.6	15096.7
NET OUTPUT FACTOR	97.5	100.3

-8.528 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-89.48) + 18540.87 = ANOHR$

$$100.3 * (-89.48) + 18540.87 = 9566$$

$$10177 - 9566 = 611$$

$$9820 + 611 = 10430 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

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

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BAYSIDE UNIT NO. 1
JANUARY 2011 - DECEMBER 2011**

WEIGHTING FACTOR = 5.15%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7212	7244
NET GENERATION (GWH)	2717.4	2500.7
OPERATING BTU (10 ⁹)	20203.7	18115.0
NET OUTPUT FACTOR	86.6	75.4

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-14.87) + 12006.69 = \text{ANOHR}$

$$75.4 * (-4.82) + 7629.62 = 7266$$

$$7244 - 7266 = -22$$

$$7212 + -22 = 7190 \quad \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

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

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BAYSIDE UNIT NO. 2
JANUARY 2011 - DECEMBER 2011**

WEIGHTING FACTOR = 7.82%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7311	7369
NET GENERATION (GWH)	4438.6	4359.3
OPERATING BTU (10 ⁹)	33138.9	32125.0
NET OUTPUT FACTOR	84.7	75.1

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-14.87) + 12006.69 = ANOHR$

$$75.1 * (-7.04) + 7906.89 = 7379$$

$$7369 - 7379 = -10$$

$$7311 + -10 = 7301 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

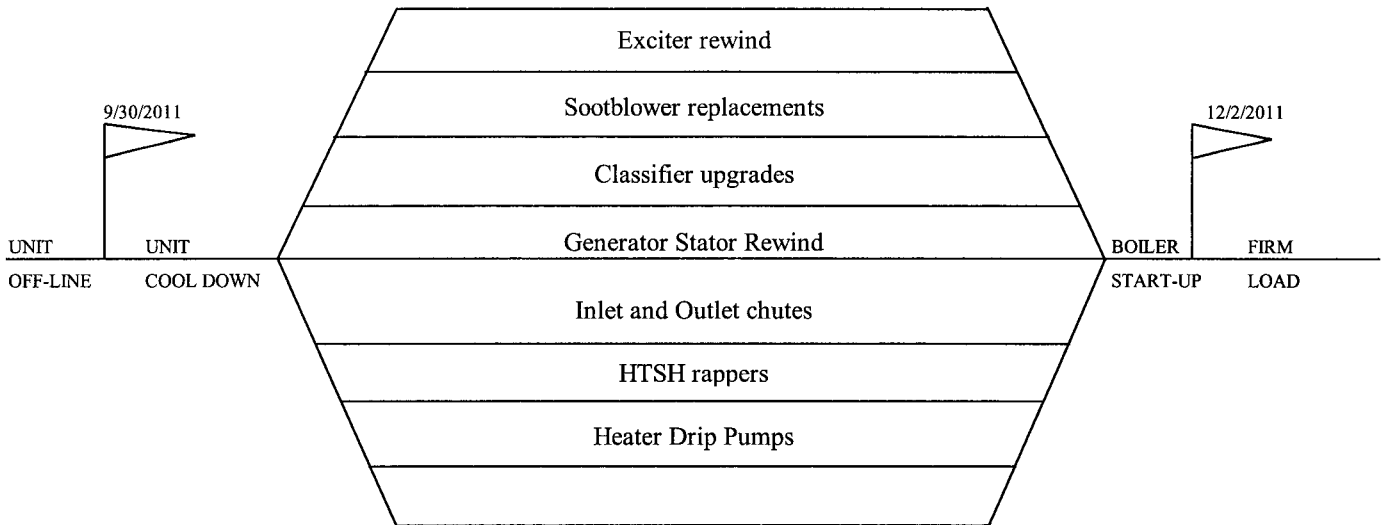
ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ACTUAL)
GPIF UNITS
JANUARY 2011 - DECEMBER 2011**

<u>PLANT / UNIT</u>	<u>PLANNED OUTAGE DATES</u>	<u>OUTAGE DESCRIPTION</u>
BIG BEND 1	Feb 18 - Mar 04 Oct 08 - Oct 15	Fuel System Cleanup and Scrubber work Fuel System Cleanup
+ BIG BEND 2	Sep 30 - Dec 02	Major outage - Generator Stator Rewind, Classifier upgrades, Inlet and Outlet chutes, Sootblower replacements, Excitier rewind and Heater Drip Pumps
BIG BEND 3	Mar 06 - Mar 19 Oct 21 - Nov 08	Fuel System Cleanup Fuel System Cleanup and Scrubber work
BIG BEND 4	Mar 22 - Apr 04 Sep 05 - Sep 25	Fuel System Cleanup Fuel System Cleanup and Scrubber work
POLK 1	Mar 19 - Apr 04	Gasifier / CT Outage
+ BAYSIDE 1	Mar 31 - Jun 11 Dec 06 - Dec 10	Generator Stator and core iron replacement, Steam Path inspection, HP/IP/LP Steam Turbine Ring and Seal replacements, Steam Turbine Valve overhauls, Heat Exchanger replacements, Coarse Mesh Screen replacements, CT Major Overhauls and CT Inlet Filter replacements Fuel System Cleanup
BAYSIDE 2	Mar 06 - Mar 14 Dec 05 - Dec 12	Fuel System Cleanup Fuel System Cleanup

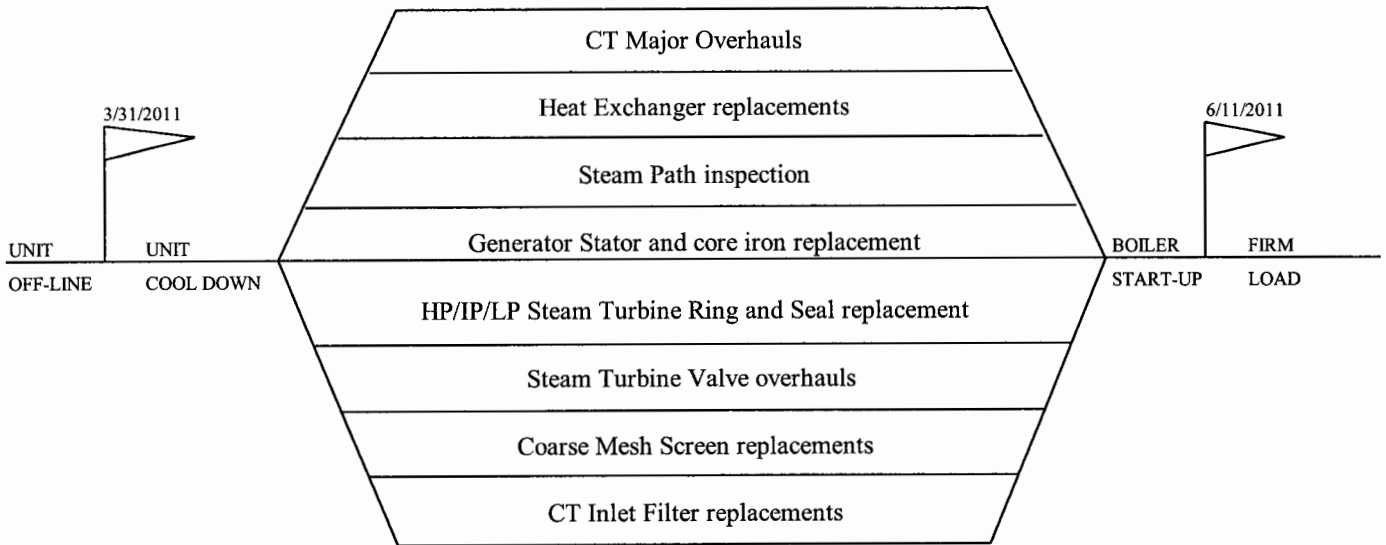
+ CPM for units with less than or equal to 4 weeks are not included.

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2011 - DECEMBER 2011



TAMPA ELECTRIC COMPANY
BIG BEND UNIT 2
PLANNED OUTAGE 2011
ACTUAL CPM

TAMPA ELECTRIC COMPANY
 CRITICAL PATH METHOD DIAGRAMS
 GPIF UNITS > FOUR WEEKS
 JANUARY 2011 - DECEMBER 2011



TAMPA ELECTRIC COMPANY
 BAYSIDE UNIT 1
 PLANNED OUTAGE 2011
 ACTUAL CPM

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2011 - DECEMBER 2011

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	1,359.3	73.5	+10	3,710.3	10,176
+9	1,223.4	72.9	+9	3,339.3	10,216
+8	1,087.4	72.4	+8	2,968.3	10,255
+7	951.5	71.8	+7	2,597.2	10,295
+6	815.6	71.3	+6	2,226.2	10,335
+5	679.6	70.7	+5	1,855.2	10,375
+4	543.7	70.2	+4	1,484.1	10,415
+3	407.8	69.6	+3	1,113.1	10,455
+2	271.9	69.0	+2	742.1	10,495
+1	135.9	68.5	+1	371.0	10,534
0	0.0	67.9	0	0.0	10,574
-1	(565.7)	66.8	-1	(371.0)	10,649
-2	(1,131.5)	65.7	-2	(742.1)	10,724
-3	(1,697.2)	64.6	-3	(1,113.1)	10,764
-4	(2,262.9)	63.5	-4	(1,484.1)	10,804
-5	(2,828.7)	62.4	-5	(1,855.2)	10,844
-6	(3,394.4)	61.3	-6	(2,226.2)	10,884
-7	(3,960.2)	60.2	-7	(2,597.2)	10,924
-8	(4,525.9)	59.1	-8	(2,968.3)	10,963
-9	(5,091.6)	57.9	-9	(3,339.3)	11,003
-10	(5,657.4)	56.8	-10	(3,710.3)	11,043

Weighting Factor =

4.79%

Weighting Factor =

13.09%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
JANUARY 2011 - DECEMBER 2011

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	1,765.3	66.3	+10	2,469.7	10,025
+9	1,588.8	65.9	+9	2,222.7	10,053
+8	1,412.2	65.5	+8	1,975.7	10,081
+7	1,235.7	65.1	+7	1,728.8	10,109
+6	1,059.2	64.7	+6	1,481.8	10,137
+5	882.7	64.4	+5	1,234.8	10,165
+4	706.1	64.0	+4	987.9	10,193
+3	529.6	63.6	+3	740.9	10,221
+2	353.1	63.2	+2	493.9	10,249
+1	176.5	62.8	+1	247.0	10,276
0	0.0	62.4	0	0.0	10,304
-1	(148.8)	61.6	-1	(247.0)	10,379
-2	(297.6)	60.8	-2	(493.9)	10,454
-3	(446.3)	60.0	-3	(740.9)	10,482
-4	(595.1)	59.2	-4	(987.9)	10,510
-5	(743.9)	58.4	-5	(1,234.8)	10,538
-6	(892.7)	57.6	-6	(1,481.8)	10,566
-7	(1,041.5)	56.8	-7	(1,728.8)	10,594
-8	(1,190.2)	56.1	-8	(1,975.7)	10,622
-9	(1,339.0)	55.3	-9	(2,222.7)	10,650
-10	(1,487.8)	54.5	-10	(2,469.7)	10,678

AHR POINTS
1.591

AHR POINTS
0.200

EAP POINTS
-10.000

Adjusted EAP
52.7

Weighting Factor =

6.23%

Weighting Factor =

8.71%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2011 - DECEMBER 2011

BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,833.9	85.8	+10	2,871.4	10,265
+9	1,650.5	85.6	+9	2,584.2	10,291
+8	1,467.1	85.4	+8	2,297.1	10,318
+7	1,283.7	85.2	+7	2,009.9	10,344
+6	1,100.3	84.9	+6	1,722.8	10,370
+5	916.9	84.7	+5	1,435.7	10,396
+4	733.6	84.5	+4	1,148.5	10,422
+3	550.2	84.2	+3	861.4	10,448
+2	366.8	84.0	+2	574.3	10,475
+1	183.4	83.8	+1	287.1	10,501
0	0.0	83.5	0	0.0	10,527
-1	(138.0)	83.1	-1	(287.1)	10,602
-2	(276.0)	82.6	-2	(574.3)	10,677
-3	(414.0)	82.2	-3	(861.4)	10,703
-4	(551.9)	81.7	-4	(1,148.5)	10,729
-5	(689.9)	81.2	-5	(1,435.7)	10,756
-6	(827.9)	80.8	-6	(1,722.8)	10,782
-7	(965.9)	80.3	-7	(2,009.9)	10,808
-8	(1,103.9)	79.9	-8	(2,297.1)	10,834
-9	(1,241.9)	79.4	-9	(2,584.2)	10,860
-10	(1,379.9)	78.9	-10	(2,871.4)	10,886

AHR POINTS
10.406

Adjusted AHR
10.406

EAP POINTS
10,000

Adjusted EAP
75.2

Weighting Factor =

6.47%

Weighting Factor =

10.13%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2011 - DECEMBER 2011

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	2,339.2	81.3	+10	3,012.5	10,286
+9	2,105.3	81.0	+9	2,711.3	10,310
+8	1,871.4	80.6	+8	2,410.0	10,334
+7	1,637.4	80.3	+7	2,108.8	10,357
+6	1,403.5	79.9	+6	1,807.5	10,381
+5	1,169.6	79.6	+5	1,506.3	10,405
+4	935.7	79.3	+4	1,205.0	10,429
+3	701.8	78.9	+3	903.8	10,452
+2	467.8	78.6	+2	602.5	10,476
+1	233.9	78.2	+1	301.3	10,500
					10,524
0	0.0	77.9	0	0.0	10,599
					10,674
-1	(235.4)	77.2	-1	(301.3)	10,697
-2	(470.8)	76.5	-2	(602.5)	10,721
-3	(706.2)	75.8	-3	(903.8)	10,745
-4	(941.6)	75.1	-4	(1,205.0)	10,769
-5	(1,177.0)	74.4	-5	(1,506.3)	10,792
-6	(1,412.4)	73.8	-6	(1,807.5)	10,816
-7	(1,647.8)	73.1	-7	(2,108.8)	10,840
-8	(1,883.2)	72.4	-8	(2,410.0)	10,864
-9	(2,118.7)	71.7	-9	(2,711.3)	10,887
-10	(2,354.1)	71.0	-10	(3,012.5)	10,911

Weighting Factor =

8.25%

Weighting Factor =

10.62%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
JANUARY 2011 - DECEMBER 2011

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	198.3	90.0	+10	4,624.5	9,117
+9	178.4	89.9	+9	4,162.1	9,179
+8	158.6	89.7	+8	3,699.6	9,242
+7	138.8	89.6	+7	3,237.2	9,305
+6	119.0	89.5	+6	2,774.7	9,368
+5	99.1	89.3	+5	2,312.3	9,431
+4	79.3	89.2	+4	1,849.8	9,493
+3	59.5	89.1	+3	1,387.4	9,556
+2	39.7	88.9	+2	924.9	9,619
+1	19.8	88.8	+1	462.5	9,682
0	0.0	88.6	0	0.0	9,820
-1	(45.6)	88.4	-1	(462.5)	9,957
-2	(91.2)	88.1	-2	(924.9)	10,020
-3	(136.8)	87.8	-3	(1,387.4)	10,083
-4	(182.4)	87.6	-4	(1,849.8)	10,146
-5	(227.9)	87.3	-5	(2,312.3)	10,208
-6	(273.5)	87.0	-6	(2,774.7)	10,271
-7	(319.1)	86.7	-7	(3,237.2)	10,334
-8	(364.7)	86.5	-8	(3,699.6)	10,397
-9	(410.3)	86.2	-9	(4,162.1)	10,460
-10	(455.9)	85.9	-10	(4,624.5)	10,522

Weighting Factor =

0.70%

Weighting Factor =

16.31%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
JANUARY 2011 - DECEMBER 2011

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	397.4	79.4	+10	1,459.8	7,120
+9	357.6	79.3	+9	1,313.8	7,121
+8	317.9	79.2	+8	1,167.8	7,123
+7	278.2	79.1	+7	1,021.8	7,125
+6	238.4	78.9	+6	875.9	7,127
+5	198.7	78.8	+5	729.9	7,128
+4	159.0	78.7	+4	583.9	7,130
+3	119.2	78.6	+3	437.9	7,132
+2	79.5	78.5	+2	292.0	7,134
+1	39.7	78.4	+1	146.0	7,136
					7,137
0	0.0	78.2	0	0.0	7,212
					7,287
-1	(82.1)	78.0	-1	(146.0)	7,289
-2	(164.3)	77.8	-2	(292.0)	7,291
-3	(246.4)	77.5	-3	(437.9)	7,293
-4	(328.6)	77.3	-4	(583.9)	7,295
-5	(410.7)	77.0	-5	(729.9)	7,296
-6	(492.9)	76.8	-6	(875.9)	7,298
-7	(575.0)	76.6	-7	(1,021.8)	7,300
-8	(657.1)	76.3	-8	(1,167.8)	7,302
-9	(739.3)	76.1	-9	(1,313.8)	7,304
-10	(821.4)	75.9	-10	(1,459.8)	7,305

Weighting Factor =

1.40%

Weighting Factor =

5.15%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
JANUARY 2011 - DECEMBER 2011
BAYSIDE 2

<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	93.8	95.0	+10	2,218.6	7,222
+9	84.4	94.9	+9	1,996.7	7,223
+8	75.1	94.8	+8	1,774.8	7,224
+7	65.7	94.8	+7	1,553.0	7,226
+6	56.3	94.7	+6	1,331.1	7,227
+5	46.9	94.7	+5	1,109.3	7,229
+4	37.5	94.6	+4	887.4	7,230
+3	28.1	94.6	+3	665.6	7,231
+2	18.8	94.5	+2	443.7	7,233
+1	9.4	94.5	+1	221.9	7,234
					7,236
0	0.0	94.4	0	0.0	7,311
					7,386
-1	(28.1)	94.3	-1	(221.9)	7,387
-2	(56.2)	94.2	-2	(443.7)	7,388
-3	(84.2)	94.1	-3	(665.6)	7,390
-4	(112.3)	94.0	-4	(887.4)	7,391
-5	(140.4)	93.9	-5	(1,109.3)	7,393
-6	(168.5)	93.8	-6	(1,331.1)	7,394
-7	(196.6)	93.7	-7	(1,553.0)	7,395
-8	(224.7)	93.5	-8	(1,774.8)	7,397
-9	(252.7)	93.4	-9	(1,996.7)	7,398
-10	(280.8)	93.3	-10	(2,218.6)	7,400

Weighting Factor =

0.33%

Weighting Factor =

7.82%

TAMPA ELECTRIC COMPANY
COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	TARGET	NORMALIZED	TARGET PERIOD			ACTUAL PERFORMANCE		
	WEIGHTING		WEIGHTING	JAN 11 - DEC 11			JAN 11 - DEC 11	
	FACTOR	FACTOR	POF	EUOF	EUOR	POF	EUOF	EUOR
	(%)							
BIG BEND 1	4.79%	17.0%	5.8	26.3	27.9	5.8	13.5	14.4
BIG BEND 2	6.23%	22.1%	23.8	13.8	18.1	17.1	25.6	30.9
BIG BEND 3	6.47%	23.0%	6.6	9.9	10.6	8.6	17.9	19.5
BIG BEND 4	8.25%	29.3%	6.6	15.5	16.6	9.4	15.1	16.6
POLK 1	0.70%	2.5%	6.0	5.3	5.7	4.4	17.3	18.0
BAYSIDE 1	1.40%	5.0%	21.1	5.3	6.8	4.4	17.3	18.0
BAYSIDE 2	0.33%	1.2%	3.8	5.3	5.5	4.4	17.3	18.0
GPIF SYSTEM	28.2%	100.0%	10.9	14.8	16.6	9.9	18.0	20.2
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)			74.3			72.2		
			3 PERIOD AVERAGE			3 PERIOD AVERAGE		
			POF EUOF EUOR			EAF		
			11.6 20.3 22.6			68.1		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	TARGET	NORMALIZED	TARGET	ADJUSTED
	WEIGHTING		WEIGHTING	HEAT RATE
	FACTOR	FACTOR	HEAT RATE	HEAT RATE
	(%)		JAN 11 - DEC 11	JAN 11 - DEC 11
BIG BEND 1	13.09%	18.2%	10,649	10,630
BIG BEND 2	8.71%	12.1%	10,379	10,260
BIG BEND 3	10.13%	14.1%	10,602	10,406
BIG BEND 4	10.62%	14.8%	10,599	10,295
POLK 1	16.31%	22.7%	9,820	10,430
BAYSIDE 1	5.15%	7.2%	7,212	7,190
BAYSIDE 2	7.82%	10.9%	7,311	7,301
GPIF SYSTEM	71.8%	100.0%		
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)			9,804	9,849

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
JANUARY 2011 - DECEMBER 2011**

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

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

EAP_i = Equivalent availability points awarded/deducted for unit *i*

AHRP_i = Average heat rate points awarded/deducted for unit *i*

Weighting factors and point values are listed on page 4.

<i>GPIP</i> =	4.79%	*	(BB 1 EAP)	+	6.23%	*	(BB 2 EAP)	+	6.47%	*	(BB 3 EAP)	
	+	8.25%	*	(BB 4 EAP)	+	0.70%	*	(PK 1 EAP)	+	1.40%	*	(BAY 1 EAP)
	+	0.33%	*	(BAY 2 EAP)	+	13.09%	*	(BB 1 AHRP)	+	8.71%	*	(BB 2 AHRP)
	+	10.13%	*	(BB 3 AHRP)	+	10.62%	*	(BB 4 AHRP)	+	16.31%	*	(PK 1 AHRP)
	+	5.15%	*	(BAY 1 AHRP)	+	7.82%	*	(BAY 2 AHRP)				

<i>GPIP</i> =	4.79%	*	10.000	+	6.23%	*	-10.000	+	6.47%	*	-10.000	
	+	8.25%	*	-0.118	+	0.70%	*	-10.000	+	1.40%	*	-2.651
	+	0.33%	*	-10.000	+	13.09%	*	0.000	+	8.71%	*	1.591
	+	10.13%	*	4.623	+	10.62%	*	9.625	+	16.31%	*	-8.528
	+	5.15%	*	0.000	+	7.82%	*	0.000				

<i>GPIP</i> =		0.479	+	-0.623	+	-0.647
	+	-0.010	+	-0.070	+	-0.037
	+	-0.033	+	0.000	+	0.139
	+	0.468	+	1.023	+	-1.391
	+	0.000	+	0.000		

GPIP = -0.701 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 PENALTY = (\$538,019)

EXHIBIT NO. ____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 120001-EI
GPIF 2011 FINAL TRUE-UP
DOCUMENT NO. 2

EXHIBIT TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCKET NO. 120001-EI

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2011 - DECEMBER 2011
TRUE-UP

DOCUMENT NO. 2
ACTUAL UNIT PERFORMANCE DATA

ORIGINAL SHEET NO. 8.401.11A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2011 - DECEMBER 2011

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 11	FEB 11	MAR 11	APR 11	MAY 11	JUN 11	JUL 11	AUG 11	SEP 11	OCT 11	NOV 11	DEC 11	2011
1. EAF (%)	77.7	58.5	63.3	91.2	80.3	97.7	96.5	87.8	83.7	61.3	84.5	84.2	80.6
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	588.7	410.8	499.1	716.7	647.7	715.2	744.0	701.7	720.0	563.0	653.1	744.0	7,703.9
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	155.3	261.2	243.9	3.4	96.3	4.8	0.0	42.3	0.0	181.0	67.9	0.0	1,056.1
6. POH	0.0	242.1	86.6	0.0	0.0	0.0	0.0	0.0	0.0	181.0	0.0	0.0	509.7
7. FOH	155.3	19.1	157.3	3.4	0.0	4.8	0.0	42.3	0.0	0.0	0.0	0.0	382.2
8. MOH	0.0	0.0	0.0	0.0	96.3	0.0	0.0	0.0	0.0	0.0	67.9	0.0	164.2
9. PFOH	112.4	79.3	434.1	708.7	457.7	56.5	458.2	623.6	667.7	505.4	555.3	740.4	5,399.4
10. LR PF (MW)	36.2	89.6	26.4	31.4	42.3	21.6	18.2	30.0	58.8	80.7	28.1	62.2	43.4
11. PMOH	1.3	0.0	0.0	6.9	0.0	17.8	10.5	0.0	28.3	2.9	9.9	3.6	81.2
12. LR PM (MW)	140.9	0.0	0.0	140.2	0.0	180.5	144.6	0.0	204.4	150.2	131.5	141.1	171.3
13. NSC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	388
14. OPR BTU(GBTU)	2,246.3	1,475.0	1,813.7	2,616.1	2,415.3	2,756.9	2,839.1	2,576.6	2,446.7	1,773.7	2,334.1	2,431.9	27,725.5
15. NET GEN (MWH)	219,045	140,779	170,806	239,565	221,268	257,565	261,941	236,249	223,665	166,022	225,385	228,874	2,591,165
16. ANOHR (BTU/KWH)	10,255	10,477	10,619	10,920	10,916	10,704	10,839	10,906	10,939	10,684	10,356	10,626	10,700
17. NOF (%)	94.2	86.8	86.6	86.8	88.7	93.5	91.4	87.5	80.7	76.6	89.6	77.9	86.6
18. NPC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	388
19. ANOHR EQUATION	ANOHR = NOF(-13.958)+ 12040												

44

EXHIBIT NO. _____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 120001 - EI
DOCUMENT NO. 2
PAGE 1 OF 7

ORIGINAL SHEET NO. 8.401.11A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2011 - DECEMBER 2011

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 11	FEB 11	MAR 11	APR 11	MAY 11	JUN 11	JUL 11	AUG 11	SEP 11	OCT 11	NOV 11	DEC 11	2011
1. EAF (%)	75.9	21.5	43.8	96.5	77.0	95.5	58.2	65.7	96.0	0.0	0.0	56.0	57.3
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	630.7	154.0	344.3	720.0	577.3	707.4	458.0	504.0	717.9	0.0	0.0	613.4	5,427.0
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	113.3	518.0	398.7	0.0	166.7	12.6	286.0	240.0	2.1	744.0	721.0	130.6	3,333.0
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	744.0	721.0	32.8	1,499.9
7. FOH	113.3	518.0	398.7	0.0	166.7	12.6	286.0	240.0	0.0	0.0	0.0	0.0	1,735.3
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.8	97.8
9. PFOH	430.4	0.8	79.6	24.5	10.2	20.1	38.6	118.1	154.1	0.0	0.0	605.6	1,482.1
10. LR PF (MW)	51.9	69.6	86.3	83.4	119.5	177.4	123.0	36.6	67.3	0.0	0.0	128.2	89.8
11. PMOH	26.7	26.4	4.7	58.6	2.9	25.2	28.0	12.8	0.0	0.0	0.0	0.0	185.2
12. LR PM (MW)	144.3	143.3	131.7	130.0	131.5	161.8	170.9	122.1	0.0	0.0	0.0	0.0	144.0
13. NSC (MW)	395	395	395	385	385	385	385	385	385	385	385	385	388
14. OPR BTU(GBTU)	2,231.4	526.9	1,177.4	2,608.4	2,189.6	2,626.9	1,789.0	1,850.5	2,677.1	0.0	0.0	1,645.2	19,322.3
15. NET GEN (MWH)	213,205	48,774	117,385	259,925	216,548	255,536	171,099	180,809	260,654	0	0	155,704	1,879,639
16. ANOHR (BTU/KWH)	10,466	10,802	10,031	10,035	10,111	10,280	10,456	10,235	10,271	0	0	10,566	10,280
17. NOF (%)	85.6	80.2	86.3	93.8	97.4	93.8	97.0	93.2	94.3	0.0	0.0	64.3	89.2
18. NPC (MW)	395	395	395	385	385	385	385	385	385	385	385	385	388
19. ANOHR EQUATION	ANOHR = NOF(-5.508) + 10991												

45

EXHIBIT NO. _____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 120001 - EI
DOCUMENT NO. 2
PAGE 2 OF 7

ORIGINAL SHEET NO. 8.401.11A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2011 - DECEMBER 2011

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 11	FEB 11	MAR 11	APR 11	MAY 11	JUN 11	JUL 11	AUG 11	SEP 11	OCT 11	NOV 11	DEC 11	2011
1. EAF (%)	76.0	97.6	44.6	88.3	92.3	65.3	62.0	89.6	87.8	49.7	72.0	60.7	73.6
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	631.0	670.2	342.4	639.3	702.7	488.1	481.3	692.8	660.0	392.5	520.5	453.3	6,674.1
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	113.0	1.8	400.6	80.7	41.3	231.9	262.8	51.2	60.0	351.5	200.6	290.7	2,085.9
6. POH	0.0	0.0	309.7	0.0	0.0	0.0	0.0	0.0	0.0	252.6	187.3	0.0	749.6
7. FOH	0.0	1.8	91.0	80.7	41.3	231.9	262.8	51.2	60.0	98.9	13.2	290.7	1,223.4
8. MOH	113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	113.0
9. PFOH	450.1	150.3	13.2	34.8	61.5	37.4	81.0	58.4	49.7	20.3	0.0	5.7	962.3
10. LR PF (MW)	44.9	16.9	146.5	27.0	36.2	110.8	68.6	49.1	89.2	126.4	0.0	116.1	50.0
11. PMOH	25.3	15.9	11.6	2.8	23.6	13.1	11.8	36.3	34.3	33.8	4.8	0.7	213.8
12. LR PM (MW)	143.6	166.7	184.5	93.6	155.7	182.7	150.8	186.4	163.1	169.8	84.2	84.2	164.0
13. NSC (MW)	365	365	365	365	365	365	365	365	365	365	365	365	365
14. OPR BTU(GBTU)	1,907.3	2,343.4	1,179.8	2,346.2	2,555.2	1,787.2	1,699.4	2,580.3	2,412.4	1,378.3	1,954.4	1,612.6	23,756.4
15. NET GEN (MWH)	178,789	232,955	112,054	233,580	250,635	171,936	166,134	249,113	231,284	132,105	189,265	157,917	2,305,767
16. ANOHR BTU/KWH	10,668	10,059	10,529	10,044	10,195	10,395	10,229	10,358	10,430	10,433	10,326	10,212	10,303
17. NOF (%)	77.6	95.2	89.7	100.1	97.7	96.5	94.6	98.5	96.0	92.2	99.6	95.4	94.7
18. NPC (MW)	365	365	365	365	365	365	365	365	365	365	365	365	365
19. ANOHR EQUATION	ANOHR = NOF(-11.562) + 11647												

46

EXHIBIT NO. _____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 120001 - EI
DOCUMENT NO. 2
PAGE 3 OF 7

ORIGINAL SHEET NO. 8.401.11A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2011 - DECEMBER 2011

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 11	FEB 11	MAR 11	APR 11	MAY 11	JUN 11	JUL 11	AUG 11	SEP 11	OCT 11	NOV 11	DEC 11	2011
1. EAF (%)	71.3	85.5	62.7	73.9	65.1	67.0	96.9	95.2	21.7	83.3	93.1	90.2	75.5
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	568.4	582.2	517.0	556.4	553.2	539.3	742.3	744.0	182.0	656.1	688.5	646.1	6,975.4
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.2	37.2
5. UH	175.6	89.9	226.0	163.6	190.8	180.7	1.8	0.0	538.0	87.9	32.5	60.7	1,747.5
6. POH	0.0	0.0	226.0	92.8	0.0	0.0	0.0	0.0	502.0	0.0	0.0	0.0	820.7
7. FOH	97.5	89.9	0.0	70.9	190.8	180.7	1.8	0.0	8.4	75.3	32.5	60.7	808.5
8. MOH	78.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.6	12.6	0.0	0.0	118.3
9. PFOH	143.4	91.3	508.5	101.8	515.5	491.5	380.4	741.5	182.0	92.5	8.3	37.9	3,294.7
10. LR PF (MW)	41.7	17.5	42.9	89.9	55.7	41.4	20.4	19.4	59.5	75.7	203.9	53.0	39.9
11. PMOH	42.6	9.0	0.0	7.2	0.0	21.9	4.4	2.5	0.0	118.6	24.0	14.4	244.6
12. LR PM (MW)	241.4	194.9	0.0	120.2	0.0	158.2	231.7	213.2	0.0	67.8	230.7	218.1	141.6
13. NSC (MW)	427	427	427	417	417	417	417	417	417	417	417	427	420
14. OPR BTU(GBTU)	2,242.3	2,352.5	1,992.6	2,098.0	2,058.9	1,984.5	2,995.7	3,061.1	631.4	2,586.0	2,773.4	2,479.6	27,256.1
15. NET GEN (MWH)	215,380	232,484	193,524	211,967	201,829	191,947	281,665	286,129	61,028	249,969	268,165	247,651	2,841,737
16. ANOHR BTU/KWH	10,411	10,119	10,296	9,898	10,201	10,339	10,636	10,698	10,346	10,345	10,342	10,012	10,317
17. NOF (%)	88.7	93.5	87.7	91.4	87.5	85.4	91.0	92.2	80.4	91.4	93.4	89.8	90.1
18. NPC (MW)	427	427	427	417	417	417	417	417	417	417	417	427	420
19. ANOHR EQUATION	ANOHR = NOF(-49.970) + 15084												

47

EXHIBIT NO. _____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 120001 - EI
DOCUMENT NO. 2
PAGE 4 OF 7

ORIGINAL SHEET NO. 8.401.11A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2011 - DECEMBER 2011

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 11	FEB 11	MAR 11	APR 11	MAY 11	JUN 11	JUL 11	AUG 11	SEP 11	OCT 11	NOV 11	DEC 11	2011
1. EAF (%)	97.2	100.0	59.4	8.9	2.5	100.0	93.4	99.8	95.4	100.0	90.6	94.5	78.4
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	702.2	672.0	428.9	67.1	18.6	720.0	673.9	744.0	649.2	744.0	608.6	696.2	6,724.7
4. RSH	29.4	0.0	14.1	0.0	0.0	0.0	34.4	0.0	51.2	0.0	61.6	21.3	211.9
5. UH	12.4	0.0	300.0	652.9	725.4	0.0	35.8	0.0	19.6	0.0	50.9	26.5	1,823.4
6. POH	0.0	0.0	300.0	84.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	384.0
7. FOH	12.4	0.0	0.0	568.9	725.4	0.0	1.1	0.0	0.0	0.0	10.4	10.9	1,329.1
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	34.7	0.0	19.6	0.0	40.5	15.6	110.4
9. PFOH	38.1	0.0	6.0	14.7	0.0	0.0	60.5	5.0	60.8	0.0	74.9	64.3	324.3
10. LR PF (MW)	47.0	0.0	49.3	49.3	0.0	0.0	48.0	57.0	49.3	0.0	49.3	48.3	48.7
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	220	220	220	220	220	220	220	220	220	220	220	220
14. OPR BTU(GBTU)	1,525.7	1,544.7	1,016.7	158.7	31.6	1,542.8	1,561.1	1,661.4	1,498.7	1,617.9	1,355.0	1,582.4	15,096.7
15. NET GEN (MWH)	154,058	154,267	94,658	7,845	(3,370)	162,048	148,039	166,428	142,755	167,980	134,197	154,569	1,483,474
16. ANOHR BTU/KWH	9,903	10,013	10,741	20,229	0	9,521	10,545	9,983	10,498	9,632	10,097	10,237	10,177
17. NOF (%)	99.7	104.3	100.3	53.2	0.0	102.3	99.9	101.7	100.0	102.6	100.2	100.9	100.3
18. NPC (MW)	220	220	220	220	220	220	220	220	220	220	220	220	220
19. ANOHR EQUATION	ANOHR = NOF(-117.876) + 20910												

48

EXHIBIT NO. _____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 120001 - EI
DOCUMENT NO. 2
PAGE 5 OF 7

ORIGINAL SHEET NO. 8.401.11A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2011 - DECEMBER 2011

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 11	FEB 11	MAR 11	APR 11	MAY 11	JUN 11	JUL 11	AUG 11	SEP 11	OCT 11	NOV 11	DEC 11	2011
1. EAF (%)	96.1	98.2	94.7	0.0	0.0	60.1	100.0	99.6	99.2	99.0	97.3	84.8	77.5
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	452.2	487.3	629.6	0.0	0.0	352.4	610.7	596.6	585.9	574.7	181.9	63.4	4,534.6
4. RSH	262.6	172.7	87.4	0.0	0.0	80.1	133.3	144.3	128.3	161.6	519.9	567.6	2,257.9
5. UH	29.2	12.1	26.0	720.0	744.0	287.5	0.0	3.1	5.8	7.7	19.1	113.0	1,967.5
6. POH	0.0	0.0	22.8	720.0	744.0	253.6	0.0	0.0	0.0	0.0	0.0	113.0	1,853.4
7. FOH	1.6	7.0	0.7	0.0	0.0	5.0	0.0	0.0	2.7	7.7	0.0	0.0	24.9
8. MOH	27.6	5.0	2.5	0.0	0.0	28.9	0.0	3.1	3.0	0.0	19.1	0.0	89.3
9. PFOH	0.0	0.0	90.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.4
10. LR PF (MW)	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2
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)	792	792	792	701	701	701	701	701	701	701	701	792	731
14. OPR BTU(GBTU)	1,837.4	1,895.8	2,512.7	0.1	0.1	1,332.0	2,467.2	2,437.2	2,408.4	2,296.6	685.9	241.7	18,115.0
15. NET GEN (MWH)	252,317	261,273	349,010	(2,471)	(2,536)	181,768	343,314	338,661	334,281	320,055	93,745	31,324	2,500,740
16. ANOHR (BTU/KWH)	7,282	7,256	7,200	0	0	7,328	7,186	7,196	7,205	7,176	7,317	7,716	7,244
17. NOF (%)	70.5	67.7	70.0	0.0	0.0	73.6	80.2	81.0	81.4	79.5	73.5	62.3	75.4
18. NPC (MW)	792	792	792	701	701	701	701	701	701	701	701	792	731
19. ANOHR EQUATION	ANOHR = NOF(-4.988) + 7649												

49

EXHIBIT NO. _____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 120001 - EI
DOCUMENT NO. 2
PAGE 6 OF 7

ORIGINAL SHEET NO. 8.401.11A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2011 - DECEMBER 2011

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 11	FEB 11	MAR 11	APR 11	MAY 11	JUN 11	JUL 11	AUG 11	SEP 11	OCT 11	NOV 11	DEC 11	2011
1. EAF (%)	94.4	79.2	62.3	99.3	99.3	95.0	99.3	98.2	98.7	99.4	99.6	80.1	92.2
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	314.2	303.0	371.1	585.2	665.0	567.3	601.4	584.4	574.9	520.0	519.1	391.7	5,997.4
4. RSH	387.7	234.7	93.7	129.4	73.8	117.0	137.2	146.6	135.8	219.4	198.9	204.5	2,078.7
5. UH	42.0	134.4	278.1	5.4	5.1	35.7	5.3	13.0	9.3	4.7	3.0	147.9	683.9
6. POH	0.0	0.0	129.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	147.7	277.2
7. FOH	0.0	2.8	2.6	0.1	0.0	1.8	0.4	0.0	0.0	0.0	0.0	0.1	7.8
8. MOH	42.0	131.6	146.1	5.3	5.1	34.0	4.9	13.0	9.3	4.6	3.0	0.0	398.9
9. PFOH	0.0	36.4	13.6	0.0	0.0	0.0	0.0	33.8	0.0	0.0	0.0	0.0	83.8
10. LR PF (MW)	0.0	18.7	9.3	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	9.8
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)	1,047	1,047	1,047	929	929	929	929	929	929	929	929	1,047	968
14. OPR BTU(GBTU)	1,471.2	1,460.0	1,899.5	3,209.5	3,832.2	3,123.4	3,293.3	3,192.1	3,190.6	2,744.9	2,693.6	2,014.8	32,125.0
15. NET GEN (MWH)	195,084	194,869	255,741	439,041	528,722	423,362	445,855	431,937	434,876	373,338	365,803	270,656	4,359,264
16. ANOHR (BTU/KWH)	7,542	7,492	7,427	7,310	7,248	7,378	7,386	7,390	7,337	7,352	7,363	7,444	7,369
17. NOF (%)	59.3	61.4	65.8	80.8	85.6	80.3	79.8	79.6	81.4	77.3	75.8	66.0	75.1
18. NPC (MW)	1,047	1,047	1,047	929	929	929	929	929	929	929	929	1,047	968
19. ANOHR EQUATION	ANOHR = NOF(-6.070) + 7834												

50

EXHIBIT NO. _____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 120001 - EI
DOCUMENT NO. 2
PAGE 7 OF 7