AUSLEY & MCMULLEN

ATTORNEYS AND COUNSELORS AT LAW

227 SOUTH CALHOUN STREET
P.O. BOX 391 (ZIP 32302)
TALLAHASSEE, FLORIDA 32301
(850) 224-9115 FAX (850) 222-7560

April 3, 2009

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. 090001-EI

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 2008.

2. Prepared Direct Testimony and Exhibit (BSB-1) of Brian S. Buckley regarding Generating Performance Incentive Factor True-Up for the period January 2008 through December 2008.

3. Prepared Direct Testimony of Joann T. Wehle regarding Tampa Electric company's risk management and hedging activities for the period January 2008 through December 2008.

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

COM 5
ECR
GCL 2
OPC
RCP 1
SSC
SGA 2
ADM
CLK CT - Reporter

JDB/pp
Enclosures

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

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Testimony of Brian S. Buckley and Joann T. Wehle has been furnished by U. S. Mail or hand delivery (*) on this 3rd day of April 2009 to the following:

Ms. Lisa Bennett*
Staff Attorney
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Mr. John T. Burnett
Associate General Counsel
Progress Energy Service Co., LLC
Post Office Box 14042
St. Petersburg, FL 33733-4042

Mr. Paul Lewis, Jr.
106 East College Avenue
Suite 800
Tallahassee, FL 32301-7740

Mr. John W. McWhirter, Jr.
McWhirter, Reeves & Davidson, P.A.
Post Office Box 3350
Tampa, FL 33601-3350

Ms. Vicki Kaufman
Mr. Jon C Moyle
Keefe Anchors Gordon & Moyle, PA
118 N. Gadsden Street
Tallahassee, FL 32301

Ms. Patricia A. Christensen
Associate Public Counsel
Office of Public Counsel
111 West Madison Street – Room 812
Tallahassee, FL 32399-1400

Mr. Norman Horton
Messer Caparello & Self
Post Office Box 15579
Tallahassee, FL 32317

Mr. Mehrdad Khojasteh
Florida Public Utilities Company
P. O. Box 3395
West Palm Beach, FL 33402-3395

Mr. John T. Butler
Managing Attorney - Regulatory
Florida Power & Light Company
700 Universe Boulevard
Juno Beach, FL 33408-0420

Mr. R. Wade Litchfield
Florida Power & Light Company
215 South Monroe Street, Suite 810
Tallahassee, FL 32301-1859

Ms. Susan Ritenour
Secretary and Treasurer
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0780

Mr. Jeffrey A. Stone
Mr. Russell A. Badders
Mr. Steven R. Griffin
Beggs & Lane
Post Office Box 12950
Pensacola, FL 32591-2950

Mr. Michael B. Twomey
Post Office Box 5256
Tallahassee, FL 32314-5256

Mr. Robert Scheffel Wright
Mr. John T. LaVia, III
Young van Assenderp, P.A.
225 South Adams Street, Suite 200
Tallahassee, FL 32301

Karen S. White, Lt Col, USAF
Shayla L. McNeill, Capt, USAF
AFCESA/ULT
139 Barnes Drive, Suite 1
Tyndall Air Force Base, FL 32403-5319

Ms. Cecilia Bradley
Senior Assistant Attorney General
Office of the Attorney General
The Capitol – PL01
Tallahassee, FL 32399-1050

Mr. James W. Brew
Brickfield, Burchette, Ritts & Stone, P.C.
1025 Thomas Jefferson Street, NW
Eighth Floor, West Tower
Washington, D.C. 20007-5201

ATTORNEY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and Purchased Power Cost Recovery Clause and Generating Performance Incentive Factor.	))))	DOCKET NO. 090001-EI FILED: April 3, 2009

TAMPA ELECTRIC COMPANY'S PETITION FOR APPROVAL OF GENERATING PERFORMANCE INCENTIVE FACTOR RESULTS FOR THE TWELVE MONTH PERIOD ENDING DECEMBER 2008

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 2008. In support of this Petition, Tampa Electric states as follows:

1. By Order No. PSC-08-0030-FOF-E1, dated January 8, 2008, the Commission approved Tampa Electric's GPIF targets for the period January 2008 through December 2008. The application of the GPIF formula to the performance of the company's GPIF units during that period produces a reward of $1,239,009. 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 $1,239,009 as its GPIF reward for the period ending December 2008 and authorize the inclusion of this amount in the calculation of Tampa Electric's fuel factors for the period beginning January 2010.

DATED this 3rd day of April 2009.

Respectfully submitted,

LEE L. WILLIS
JAMES D. BEASLEY
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 3rd day of April 2009 to the following:

Ms. Lisa Bennett*
Staff Attorney
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Mr. John T. Burnett
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1025 Thomas Jefferson Street, NW
Eighth Floor, West Tower
Washington, D.C. 20007-5201

ATTORNEY

TECO
TAMPA ELECTRIC

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 090001-EI
IN RE: FUEL & PURCHASED POWER COST RECOVERY
AND
CAPACITY COST RECOVERY

GENERATING PERFORMANCE INCENTIVE FACTOR
TRUE-UP
JANUARY 2008 THROUGH DECEMBER 2008

TESTIMONY AND EXHIBIT
OF
BRIAN S. BUCKLEY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

BRIAN S. BUCKLEY

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

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

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

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

and Senior Engineer in Operations Planning. In August 2008, I was promoted to Manager, Operations & Performance Planning, where I am currently responsible for unit commitment, unit performance analysis and reporting of generation statistics.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to present Tampa Electric's actual performance results from unit equivalent availability and station heat rate used to determine the Generating Performance Incentive Factor ("GPIF") for the period January 2008 through December 2008. I will also compare these results to the targets established prior to the beginning of the period.

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

A. Yes, I prepared Exhibit No. _____ (BSB-1), consisting of two documents. Document No. 1, entitled "Tampa Electric Company, Generating Performance Incentive Factor, January 2008 - December 2008 True-up" is consistent with the GPIF Implementation Manual previously approved by the Commission. Document No. 2 provides the company's Actual Unit Performance Data for the 2008 period.

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

A. Four of the company's coal-fired units, one integrated gasification combined cycle unit and two natural gas combined cycle unit are included. These are Big Bend Units 1 through 4, Polk Unit 1 and Bayside Units 1 and 2, respectively.

Q. Have you calculated the results of Tampa Electric's performance under the GPIF during the January 2008 through December 2008 period?

A. Yes, I have. This is shown on Document No. 1, page 4 of 32. Based upon 1.888 Generating Performance Incentive Points ("GPIP"), the result is a reward amount of $1,239,009 for the period.

Q. Please proceed with your review of the actual results for the January 2008 through December 2008 period.

A. On Document No. 1, page 3 of 32, the actual average common equity for the period is shown on line 14 as $1,673,419,462. This produces the maximum penalty or reward amount of $6,561,022 as shown on line 21.

Q. Will you please explain how you arrived at the actual equivalent availability results for the seven units included within the GPIF?

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

Q. Are the actual equivalent availability results shown on Document No. 1, page 6 of 32, column 2, directly applicable to the GPIF table?

A. No. Adjustments to actual equivalent availability may be required as noted in section 4.3.3 of the GPIF Manual. The actual equivalent availability including the required adjustment is shown on Document No. 1, page 6 of 32, column 4. The necessary adjustments as prescribed in the GPIF Manual are further defined by a letter dated October 23, 1981, from Mr. J. H. Hoffsis of the Commission's Staff. The adjustments for each unit are as follows:

Big Bend Unit No. 1

On this unit, 336.0 planned outage hours were originally

scheduled for 2008. Actual outage activities required 430.9 planned outage hours. Consequently, the actual equivalent availability of 75.7 percent is adjusted to 76.6 percent as shown on Document No. 1, page 7 of 32.

Big Bend Unit No. 2

On this unit, 768.0 planned outage hours were originally scheduled for 2008. Actual outage activities required 897.0 planned outage hours. Consequently, the actual equivalent availability of 71.0 percent is adjusted to 72.2 percent as shown on Document No. 1, page 8 of 32.

Big Bend Unit No. 3

On this unit, 2,328.0 planned outage hours were originally scheduled for 2008. Actual outage activities required 2,846.7 planned outage hours. Consequently, the actual equivalent availability of 44.5 percent is adjusted to 48.4 percent as shown on Document No. 1, page 9 of 32.

Big Bend Unit No. 4

On this unit, 336.0 planned outage hours were originally scheduled for 2008. Actual outage activities required 512.1 planned outage hours. Consequently, the actual equivalent availability of 72.8 percent is adjusted to 74.4 percent as shown on Document No. 1, page 10 of 32.

Polk Unit No. 1

On this unit, 691.8 planned outage hours were originally scheduled for 2008. Actual outage activities required 267.8 planned outage hours. Consequently, the actual equivalent availability of 83.2 percent is adjusted to 79.0 percent, as shown on Document No. 1, page 11 of 32.

Bayside Unit No. 1

On this unit, 336.0 planned outage hours were originally scheduled for 2008. Actual outage activities required 207.7 planned outage hours. Consequently, the actual equivalent availability of 94.9 percent is adjusted to 93.5 percent, as shown on Document No. 1, page 12 of 32.

Bayside Unit No. 2

On this unit, 1,344.0 planned outage hours were originally scheduled for 2008. Actual outage activities required 1,277.2 planned outage hours. Consequently, the actual equivalent availability of 83.6 percent is adjusted to 82.8 percent, as shown on Document No. 1, page 13 of 32.

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

A. The final adjusted equivalent availabilities for each unit

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

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

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

Q. What is the overall GPIP for Tampa Electric for the January 2008 through December 2008 period?

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

the weighting factors shown on page 4 of 32, column 3, plus the equivalent availability points and the heat rate points shown on page 4 of 32, column 4, are substituted within the equation found on page 32 of 32. The resulting value, 1.888, is then entered into the GPIF table on page 2 of 32. Using linear interpolation, the reward amount is $1,239,009.

Q. Does this conclude your testimony?

A. Yes, it does.

DOCKET NO. 090001-EI
GPIF 2008 FINAL TRUE-UP
EXHIBIT NO. ___ (BSB-1)

GENERATING PERFORMANCE INCENTIVE FACTOR

INDEX

DOCKET NO. 090001-EI
GPIF 2008 FINAL TRUE-UP
EXHIBIT NO. ___ (BSB-1)
DOCUMENT NO. 1

EXHIBIT TO THE TESTIMONY OF

BRIAN S. BUCKLEY

DOCKET NO. 090001-EI

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2008 - DECEMBER 2008

TRUE-UP

DOCUMENT NO. 1

GPIF SCHEDULES

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2008 - DECEMBER 2008
TRUE-UP
TABLE OF CONTENTS

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE - ACTUAL
JANUARY 2008 - DECEMBER 2008

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) ($000)	GENERATING PERFORMANCE INCENTIVE FACTOR ($000)
+10	49,686.3	6,561.0
+9	44,717.7	5,904.9
+8	39,749.1	5,248.8
+7	34,780.4	4,592.7
+6	29,811.8	3,936.6
+5	24,843.2	3,280.5
+4	19,874.5	2,624.4
+3	14,905.9	1,968.3
+2	9,937.3	1,312.2
+1	4,968.6	656.1
0	0.0	0.0
-1	(7,223.8)	(656.1)
-2	(14,447.6)	(1,312.2)
-3	(21,671.4)	(1,968.3)
-4	(28,895.2)	(2,624.4)
-5	(36,119.0)	(3,280.5)
-6	(43,342.8)	(3,936.6)
-7	(50,566.6)	(4,592.7)
-8	(57,790.3)	(5,248.8)
-9	(65,014.1)	(5,904.9)
-10	(72,237.9)	(6,561.0)

GPI POINTS 1.888

REWARD DOLLARS $1,239,009

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS - ACTUAL
JANUARY 2008 - DECEMBER 2008

Line 1	Beginning of period balance of common equity: End of month common equity:		$	1,532,687,000
Line 2	Month of January	2008	$	1,550,139,000
Line 3	Month of February	2008	$	1,604,302,000
Line 4	Month of March	2008	$	1,657,563,000
Line 5	Month of April	2008	$	1,647,490,000
Line 6	Month of May	2008	$	1,664,286,000
Line 7	Month of June	2008	$	1,681,975,000
Line 8	Month of July	2008	$	1,668,566,000
Line 9	Month of August	2008	$	1,687,945,000
Line 10	Month of September	2008	$	1,755,445,000
Line 11	Month of October	2008	$	1,718,380,000
Line 12	Month of November	2008	$	1,762,993,000
Line 13	Month of December	2008	$	1,822,682,000
Line 14	(Summation of line 1 through line 13 divided by 13)		$	1,673,419,462
Line 15	25 Basis points			0.0025
Line 16	Revenue Expansion Factor			61.38%
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)		$	6,815,731
Line 18	Jurisdictional Sales			18,989,606 MWH
Line 19	Total Sales			19,726,814 MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)			96.26%
Line 21	**Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)**		**$**	**6,561,022**

TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS - ACTUAL
JANUARY 2008 - DECEMBER 2008

PLANT / UNIT	12 MONTH ADJ. ACTUAL PERFORMANCE		WEIGHTING FACTOR %	UNIT POINTS	WEIGHTED UNIT POINTS
BIG BEND 1	76.6%	EAF	11.54%	7.820	0.902
BIG BEND 2	72.2%	EAF	4.22%	-7.881	-0.332
BIG BEND 3	48.4%	EAF	12.89%	1.382	0.178
BIG BEND 4	74.4%	EAF	12.66%	1.798	0.228
POLK 1	79.0%	EAF	9.57%	5.297	0.507
BAYSIDE 1	93.5%	EAF	3.24%	10.000	0.324
BAYSIDE 2	82.8%	EAF	0.23%	-4.106	-0.009
BIG BEND 1	11,067	ANOHR	3.40%	-3.554	-0.121
BIG BEND 2	10,658	ANOHR	3.70%	0.000	0.000
BIG BEND 3	11,008	ANOHR	5.40%	-4.454	-0.240
BIG BEND 4	10,838	ANOHR	8.41%	0.000	0.000
POLK 1	10,582	ANOHR	6.42%	0.000	0.000
BAYSIDE 1	7,217	ANOHR	8.81%	5.137	0.453
BAYSIDE 2	7,329	ANOHR	9.52%	0.000	0.000
			100.00%		1.888

GPIF REWARD	**$ 1,239,009**

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	WEIGHTING FACTOR (%)	EAF TARGET (%)	EAF RANGE MAX. (%)	EAF RANGE MIN. (%)	MAX. FUEL SAVINGS ($000)	MAX. FUEL LOSS ($000)	EAF ADJUSTED ACTUAL (%)	ACTUAL FUEL SAVINGS/ LOSS ($000)
BIG BEND 1	11.54%	72.8	77.7	63.1	5,731.4	(9,578.3)	76.6%	7,490.3
BIG BEND 2	4.22%	77.3	80.5	70.8	2,095.1	(3,914.4)	72.2%	(3,084.8)
BIG BEND 3	12.89%	47.5	54.0	34.5	6,406.2	(10,764.0)	48.4%	1,487.8
BIG BEND 4	12.66%	73.6	78.3	64.1	6,289.2	(10,597.4)	74.4%	1,905.8
POLK 1	9.57%	77.2	80.6	70.5	4,754.5	(7,671.8)	79.0%	4,064.0
BAYSIDE 1	3.24%	84.5	87.0	79.4	1,609.7	(3,111.0)	93.5%	3,111.0
BAYSIDE 2	0.23%	83.6	84.6	81.6	113.6	(3,914.4)	82.8%	(1,607.2)
GPIF SYSTEM	**54.34%**				**26,999.7**	**(49,551.3)**		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	WEIGHTING FACTOR (%)	ANOHR (Btu/kwh)	TARGET NOF (%)	ANOHR TARGET RANGE MIN.	ANOHR TARGET RANGE MAX.	MAX. FUEL SAVINGS ($000)	MAX. FUEL LOSS ($000)	ACTUAL ADJUSTED ANOHR	ACTUAL FUEL SAVINGS/ LOSS ($000)
BIG BEND 1	3.40%	10,908	79.5	10,595	11,220	1,690.6	(1,690.6)	11,067	(600.9)
BIG BEND 2	3.70%	10,693	84.5	10,396	10,990	1,837.3	(1,837.3)	10,658	0.0
BIG BEND 3	5.40%	10,657	74.5	9,962	11,352	2,682.2	(2,682.2)	11,008	(1,194.5)
BIG BEND 4	8.41%	10,837	85.8	10,210	11,464	4,178.2	(4,178.2)	10,838	0.0
POLK 1	6.42%	10,607	87.3	9,784	11,429	3,191.2	(3,191.2)	10,582	0.0
BAYSIDE 1	8.81%	7,320	83.8	7,191	7,449	4,378.6	(4,378.6)	7,217	2,249.3
BAYSIDE 2	9.52%	7,359	80.7	7,243	7,476	4,728.7	(4,728.7)	7,329	0.0
GPIF SYSTEM	**45.66%**					**17,958.0**	**(17,958.0)**		

TAMPA ELECTRIC COMPANY
UNIT PERFORMANCE DATA - ACTUAL
JANUARY 2008 - DECEMBER 2008

PLANT / UNIT	ACTUAL EAF (%)	ADJUSTMENTS (1) TO EAF (%)	EAF ADJUSTED ACTUAL (%)
BIG BEND 1	75.7	0.9	76.6
BIG BEND 2	71.0	1.2	72.2
BIG BEND 3	44.5	3.9	48.4
BIG BEND 4	72.8	1.6	74.4
POLK 1	83.2	-4.2	79.0
BAYSIDE 1	94.9	-1.4	93.5
BAYSIDE 2	83.6	-0.8	82.8

PLANT / UNIT	ACTUAL ANOHR (Btu/kwh)	ADJUSTMENTS (2) TO ANOHR (Btu/kwh)	ANOHR ADJUSTED ACTUAL (Btu/kwh)
BIG BEND 1	10,914	153	11,067
BIG BEND 2	10,658	0	10,658
BIG BEND 3	10,819	189	11,008
BIG BEND 4	10,797	41	10,838
POLK 1	10,605	-23	10,582
BAYSIDE 1	7,250	-33	7,217
BAYSIDE 2	7,373	-44	7,329

(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 2008 - DECEMBER 2008

WEIGHTING FACTOR = 11.54%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	72.8	75.7	76.6
POH	336.0	430.9	336.0
FOH + EFOH	1,737.4	1,659.6	1,678.5
MOH + EMOH	316.4	44.3	44.8
POF	3.8	4.9	3.8
EFOF	19.8	18.9	19.1
EMOF	3.6	0.5	0.5
	7.820	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 336}{8784 - 430.9} \times (1659.6 + 44.3) = 1723.3$$

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

$$100 - 3.8 - \frac{1723.3}{8784.0} \times 100 = 76.6$$

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. 2
JANUARY 2008 - DECEMBER 2008

WEIGHTING FACTOR = 4.22%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	77.3	71.0	72.2
POH	768.0	897.0	768.0
FOH + EFOH	1,194.5	1,510.3	1,535.0
MOH + EMOH	32.0	138.8	141.1
POF	8.7	10.2	8.7
EFOF	13.6	17.2	17.5
EMOF	0.4	1.6	1.6

-7.881 **EQUIVALENT AVAILABILITY POINTS**

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 768}{8784 - 897} \times (1510.3 + 138.8) = 1676.1$$

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

$$100 - 8.7 - \frac{1676.1}{8784.0} \times 100 = 72.2$$

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. 3
JANUARY 2008 - DECEMBER 2008

WEIGHTING FACTOR = 12.89%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	47.5	44.5	48.4
POH	2,328.0	2,846.7	2,328.0
FOH + EFOH	1,788.5	1,909.7	2,076.5
MOH + EMOH	495.3	117.8	128.1
POF	26.5	32.4	26.5
EFOF	20.4	21.7	23.6
EMOF	5.6	1.3	1.5
	1.382	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 2328}{8784 - 2846.7} \times (1909.7 + 117.8) = 2204.6$$

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

$$100 - 26.5 - \frac{2204.6}{8784.0} \times 100 = 48.4$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 4
JANUARY 2008 - DECEMBER 2008

WEIGHTING FACTOR = 12.66%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	73.6	72.8	74.4
POH	336.0	512.1	336.0
FOH + EFOH	1,532.8	1,858.9	1,898.5
MOH + EMOH	454.4	18.3	18.7
POF	3.8	5.8	3.8
EFOF	17.5	21.2	21.6
EMOF	5.2	0.2	0.2
	1.798	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 336}{8784 - 512.1} \times (1858.9 + 18.3) = 1917.2$$

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

$$100 - 3.8 - \frac{1917.2}{8784.0} \times 100 = 74.4$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
POLK UNIT NO. 1
JANUARY 2008 - DECEMBER 2008

WEIGHTING FACTOR = 9.57%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	77.2	83.2	79.0
POH	691.8	267.8	691.8
FOH + EFOH	793.4	1,026.2	975.1
MOH + EMOH	516.6	182.0	172.9
POF	7.9	3.0	7.9
EFOF	9.0	11.7	11.1
EMOF	5.9	2.1	2.0
	5.297	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 691.8}{8784 - 267.8} \times (1026.2 + 182) = 1148.0$$

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

$$100 - 7.9 - \frac{1148.0}{8784.0} \times 100 = 79.0$$

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 2008 - DECEMBER 2008

WEIGHTING FACTOR = 3.24%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	84.5	94.9	93.5
POH	336.0	207.7	336.0
FOH + EFOH	542.7	17.3	17.0
MOH + EMOH	487.2	225.1	221.7
POF	3.8	2.4	3.8
EFOF	6.2	0.2	0.2
EMOF	5.5	2.6	2.5
	10.000	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 336}{8784 - 207.7} \times (17.3 + 225.1) = 238.8$$

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

$$100 - 3.8 - \frac{238.8}{8784.0} \times 100 = 93.5$$

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 2008 - DECEMBER 2008

WEIGHTING FACTOR = 0.23%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,784.0	8,784.0	8,784.0
EAF	83.6	83.6	82.8
POH	1,344.0	1,277.2	1,344.0
FOH + EFOH	32.4	58.5	58.0
MOH + EMOH	63.5	107.1	106.1
POF	15.3	14.5	15.3
EFOF	0.4	0.7	0.7
EMOF	0.7	1.2	1.2
	-4.106	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8784 - 1344}{8784 - 1277.2} \times (58.5 + 107.1) = 164.1$$

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

$$100 - 15.3 - \frac{164.1}{8784.0} \times 100 = 82.8$$

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 HEAT RATE
BIG BEND UNIT NO. 1
JANUARY 2008 - DECEMBER 2008

WEIGHTING FACTOR = 3.40%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,907.6	10,914.0
NET GENERATION (GWH)	2,145.2	2,418.0
OPERATING BTU (10^9)	23,023.0	26,390.2
NET OUTPUT FACTOR	79.5	86.4

-3.554 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-22.19) + 12672.08 = ANOHR

	86.4 * (-22.19) + 12672.08	=	10,754.7		
10,914.0	-	10,754.7	=	159.3	
10,907.6	+	159.3	=	11,067	← 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 2008 - DECEMBER 2008

WEIGHTING FACTOR = 3.70%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,693.4	10,658.0
NET GENERATION (GWH)	2,468.7	2,292.0
OPERATING BTU (10^9)	26,406.9	24,429.1
NET OUTPUT FACTOR	84.5	84.5

0.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-15) + 11960.68 = ANOHR

84.5 * (-15) + 11960.68 = 10,693.1

10,658.0 - 10,693.1 = -35.1

10,693.4 + -35.1 = 10,658 ← 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 2008 - DECEMBER 2008

WEIGHTING FACTOR = 5.40%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,656.9	10,819.0
NET GENERATION (GWH)	1,527.7	1,418.5
OPERATING BTU (10^9)	16,445.8	15,346.8
NET OUTPUT FACTOR	74.5	78.9

-4.454 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-43.5) + 13899.8 = ANOHR

78.9 * (-43.5) + 13899.8 = 10,467.4

10,819.0 - 10,467.4 = 351.6

10,656.9 + 351.6 = 11,008 ← 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 2008 - DECEMBER 2008

WEIGHTING FACTOR = 8.41%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,836.9	10,797.0
NET GENERATION (GWH)	2,652.9	2,599.0
OPERATING BTU (10^9)	28,309.3	28,060.7
NET OUTPUT FACTOR	85.8	87.2

0.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-29.85) + 13398.36 = ANOHR

87.2 * (-29.85) + 13398.36 = 10,795.4

10,797.0 - 10,795.4 = 1.6

10,836.9 + 1.6 = 10,838 ← 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 2008 - DECEMBER 2008

WEIGHTING FACTOR = 6.42%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,606.5	10,605.0
NET GENERATION (GWH)	1,599.5	1,497.6
OPERATING BTU (10^9)	16,878.7	15,881.9
NET OUTPUT FACTOR	87.3	85.4

0.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-12.42) + 11690.03 = ANOHR

85.4 * (-12.42) + 11690.03 = 10,629.6

10,605.0 - 10,629.6 = -24.6

10,606.5 + -24.6 = 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
BAYSIDE UNIT NO. 1
JANUARY 2008 - DECEMBER 2008

WEIGHTING FACTOR = 8.81%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	7,319.9	7,250.0
NET GENERATION (GWH)	3,889.2	3,352.8
OPERATING BTU (10^9)	28,647.3	24,307.0
NET OUTPUT FACTOR	83.8	74.3

5.137 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-3.51) + 7614.23 = ANOHR

74.3 * (-3.51) + 7614.23 = 7,353.3

7,250.0 - 7,353.3 = -103.3

7,319.9 + -103.3 = 7,217 ← 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 2008 - DECEMBER 2008

WEIGHTING FACTOR = 9.52%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	7,359.3	7,373.0
NET GENERATION (GWH)	4,711.1	4,012.9
OPERATING BTU (10^9)	34,763.1	29,587.6
NET OUTPUT FACTOR	80.7	73.1

0.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-5.81) + 7828.21 = ANOHR

	73.1 * (-5.81) + 7828.21	=	7,403.4		
7,373.0	- 7,403.4	=	-30.4		
7,359.3	+ -30.4	=	7,329	←	ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

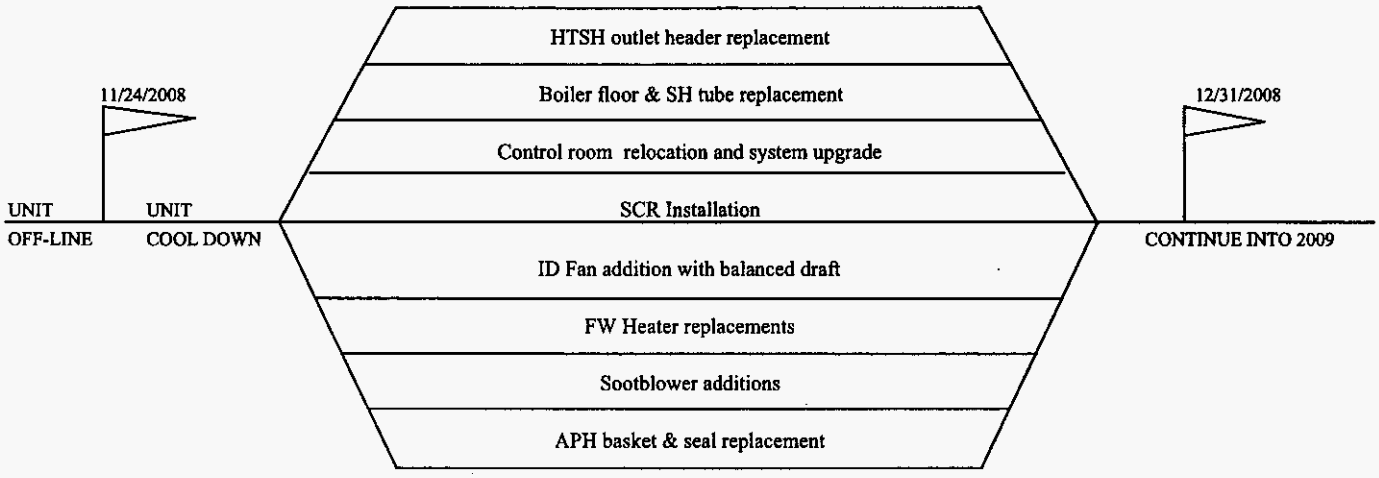
ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ACTUAL)
GPIF UNITS
JANUARY 2008 - DECEMBER 2008

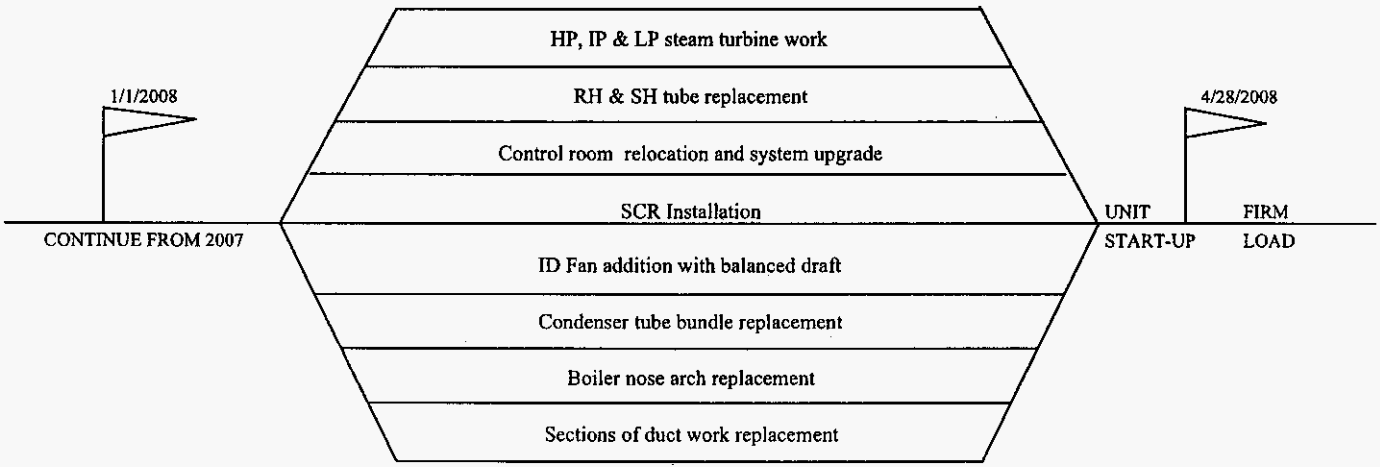
	PLANT / UNIT	PLANNED OUTAGE DATES			OUTAGE DESCRIPTION
	BIG BEND 1	Nov 25	-	Dec 13	Fuel System Clean-up
+	BIG BEND 2	Nov 24	-	Dec 31	SCR Conversion Outage that included the following: control system replacement and relocation, boiler floor and SH tube replacement, HTSH outlet header replacement sootblower additions, slag tank neck & roof replacement, APH basket and seal replacement, CWP rebuilds, ID Fan installation, FW heater replacements, turbine valve repairs, generator rotor and stator winding replacement, BFPT pump element replacement
+	BIG BEND 3	Jan 01	-	Apr 28	SCR Conversion Outage that included the following: ID fan installation, HP, IP & LP steam turbine rotor removal, inspection and reconditioning, replacement of the condenser tube bundle and installation of a continuous ball cleaning system, control system replacement and relocation, boiler nose arch replacement, sections of duct work replacement, sections of generating, super heat and re-heat tubing replaced
	BIG BEND 4	Feb 02	-	Feb 23	Fuel System Clean-up
	POLK 1	Apr 13	-	Apr 24	Combustion Inspection, HRSG, Drums, Hotwell Inspection, Gasifier and ST outage
	BAYSIDE 1	Apr 17	-	Apr 25	Spring Fuel System Clean-up
		Oct 24	-	Oct 31	Fall Fuel System Clean-up
+	BAYSIDE 2	Feb 12	-	Mar 31	Combustion inspections of 4 CTs, Major inspection 1 ST, 2A #2 thrust bearing replacement, S0 - S4 compressor stator vane replacement, turbine valve overhauls

+ **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 2008 - DECEMBER 2008

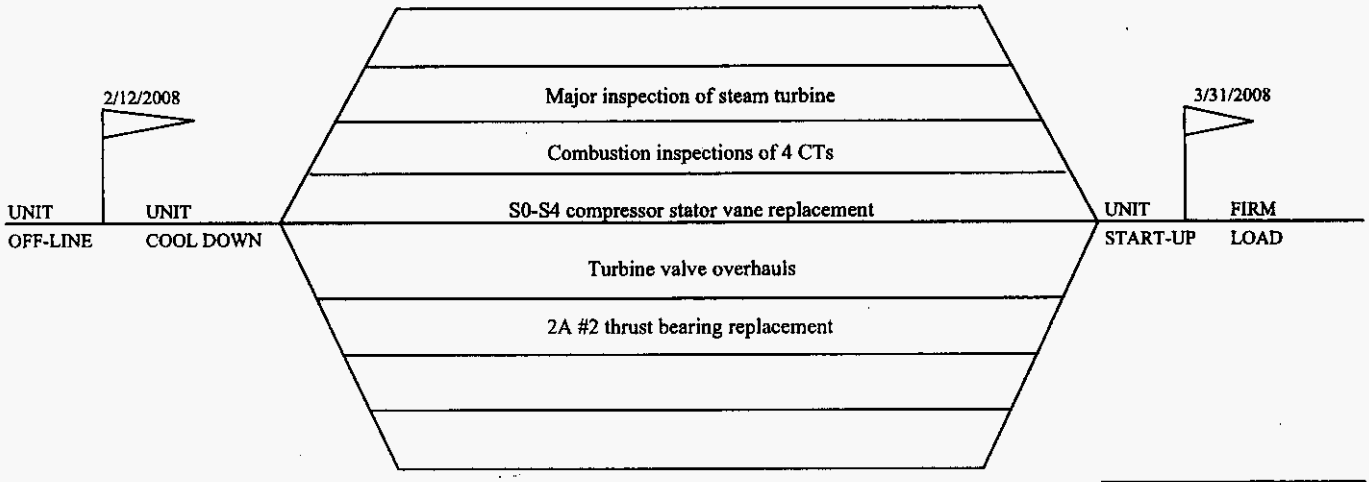


TAMPA ELECTRIC COMPANY
BIG BEND UNIT NUMBER 2
PLANNED OUTAGE 2008
ACTUAL CPM



TAMPA ELECTRIC COMPANY
BIG BEND UNIT NUMBER 3
PLANNED OUTAGE 2008
ACTUAL CPM

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2008 - DECEMBER 2008



TAMPA ELECTRIC COMPANY
BAYSIDE UNIT NUMBER 2
PLANNED OUTAGE 2008
ACTUAL CPM

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2008 - DECEMBER 2008

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	5,731.4	77.7	+10	1,690.6	10,595
+9	5,158.3	77.2	+9	1,521.6	10,619
+8	4,585.1	76.7	+8	1,352.5	10,643
+7	4,012.0	76.2	+7	1,183.4	10,666
+6	3,438.8	75.7	+6	1,014.4	10,690
+5	2,865.7	75.2	+5	845.3	10,714
+4	2,292.6	74.7	+4	676.3	10,738
+3	1,719.4	74.3	+3	507.2	10,761
+2	1,146.3	73.8	+2	338.1	10,785
+1	573.1	73.3	+1	169.1	10,809
					10,833
0	0.0	72.8	0	0.0	10,908
					10,983
-1	(957.8)	71.8	-1	(169.1)	11,006
-2	(1,915.7)	70.8	-2	(338.1)	11,030
-3	(2,873.5)	69.9	-3	(507.2)	11,054
-4	(3,831.3)	68.9	-4	(676.3)	11,078
-5	(4,789.2)	67.9	-5	(845.3)	11,101
-6	(5,747.0)	67.0	-6	(1,014.4)	11,125
-7	(6,704.8)	66.0	-7	(1,183.4)	11,149
-8	(7,662.6)	65.0	-8	(1,352.5)	11,173
-9	(8,620.5)	64.0	-9	(1,521.6)	11,196
-10	(9,578.3)	63.1	-10	(1,690.6)	11,220

EAF POINTS 7.820 → **Adjusted EAF 76.6**

AHR POINTS -3.554 → **Adjusted ANOHR 11,067**

Weighting Factor = 11.54%

Weighting Factor = 3.40%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2008 - DECEMBER 2008

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	2,095.1	80.5	+10	1,837.3	10,396
+9	1,885.6	80.2	+9	1,653.5	10,419
+8	1,676.1	79.9	+8	1,469.8	10,441
+7	1,466.6	79.6	+7	1,286.1	10,463
+6	1,257.1	79.2	+6	1,102.4	10,485
+5	1,047.6	78.9	+5	918.6	10,507
+4	838.0	78.6	+4	734.9	10,530
+3	628.5	78.3	+3	551.2	10,552
+2	419.0	77.9	+2	367.5	10,574
+1	209.5	77.6	+1	183.7	10,596
			AHR POINTS 0.000		Adjusted ANOHR 10,658 10,618
0	0.0	77.3	0	0.0	10,693
					10,768
-1	(391.4)	76.6	-1	(183.7)	10,791
-2	(782.9)	76.0	-2	(367.5)	10,813
-3	(1,174.3)	75.4	-3	(551.2)	10,835
-4	(1,565.8)	74.7	-4	(734.9)	10,857
-5	(1,957.2)	74.1	-5	(918.6)	10,879
-6	(2,348.6)	73.4	-6	(1,102.4)	10,902
-7 EAF POINTS -7.881	(2,740.1)	Adjusted EAF 72.2 72.8	-7	(1,286.1)	10,924
-8	(3,131.5)	72.1	-8	(1,469.8)	10,946
-9	(3,523.0)	71.5	-9	(1,653.5)	10,968
-10	(3,914.4)	70.8	-10	(1,837.3)	10,990

Weighting Factor = 4.22%

Weighting Factor = 3.70%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2008 - DECEMBER 2008

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	6,406.2	54.0	+10	2,682.2	9,962
+9	5,765.6	53.4	+9	2,413.9	10,024
+8	5,125.0	52.7	+8	2,145.7	10,086
+7	4,484.3	52.1	+7	1,877.5	10,148
+6	3,843.7	51.4	+6	1,609.3	10,210
+5	3,203.1	50.8	+5	1,341.1	10,272
+4	2,562.5	50.1	+4	1,072.9	10,334
+3	1,921.9	49.5	+3	804.6	10,396
+2	1,281.2	48.8	+2	536.4	10,458
+1	640.6	48.2	+1	268.2	10,520
					10,582
0	0.0	47.5	0	0.0	10,657
					10,732
-1	(1,076.4)	46.2	-1	(268.2)	10,794
-2	(2,152.8)	44.9	-2	(536.4)	10,856
-3	(3,229.2)	43.6	-3	(804.6)	10,918
-4	(4,305.6)	42.3	-4	(1,072.9)	10,980
-5	(5,382.0)	41.0	-5	(1,341.1)	11,042
-6	(6,458.4)	39.7	-6	(1,609.3)	11,104
-7	(7,534.8)	38.4	-7	(1,877.5)	11,166
-8	(8,611.2)	37.1	-8	(2,145.7)	11,228
-9	(9,687.6)	35.8	-9	(2,413.9)	11,290
-10	(10,764.0)	34.5	-10	(2,682.2)	11,352

EAF POINTS 1.382 → **Adjusted EAF 48.4**

AHR POINTS -4.454 → **Adjusted ANOHR 11,008**

Weighting Factor = 12.89%

Weighting Factor = 5.40%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2008 - DECEMBER 2008

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	6,289.2	78.3	+10	4,178.2	10,210
+9	5,660.3	77.8	+9	3,760.4	10,265
+8	5,031.4	77.3	+8	3,342.5	10,320
+7	4,402.4	76.9	+7	2,924.7	10,376
+6	3,773.5	76.4	+6	2,506.9	10,431
+5	3,144.6	75.9	+5	2,089.1	10,486
+4	2,515.7	75.4	+4	1,671.3	10,541
+3	1,886.8	75.0	+3	1,253.5	10,596
+2	1,257.8	74.5	+2	835.6	10,652
+1	628.9	74.0	+1	417.8	10,707
					10,762
0	0.0	73.6	0	0.0	10,837
					10,912
-1	(1,059.7)	72.6	-1	(417.8)	10,967
-2	(2,119.5)	71.7	-2	(835.6)	11,022
-3	(3,179.2)	70.7	-3	(1,253.5)	11,077
-4	(4,239.0)	69.8	-4	(1,671.3)	11,133
-5	(5,298.7)	68.8	-5	(2,089.1)	11,188
-6	(6,358.4)	67.9	-6	(2,506.9)	11,243
-7	(7,418.2)	66.9	-7	(2,924.7)	11,298
-8	(8,477.9)	66.0	-8	(3,342.5)	11,353
-9	(9,537.7)	65.1	-9	(3,760.4)	11,409
-10	(10,597.4)	64.1	-10	(4,178.2)	11,464

EAF POINTS 1.798 → Adjusted EAF 74.4

AHR POINTS 0.000 → Adjusted ANOHR 10,838

Weighting Factor = 12.66%

Weighting Factor = 8.41%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2008 - DECEMBER 2008

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	4,754.5	80.6	+10	3,191.2	9,784
+9	4,279.1	80.3	+9	2,872.1	9,859
+8	3,803.6	79.9	+8	2,552.9	9,934
+7	3,328.2	79.6	+7	2,233.8	10,008
+6	2,852.7	79.2	+6	1,914.7	10,083
+5	2,377.3	78.9	+5	1,595.6	10,158
+4	1,901.8	78.6	+4	1,276.5	10,233
+3	1,426.4	78.2	+3	957.4	10,307
+2	950.9	77.9	+2	638.2	10,382
+1	475.5	77.5	+1	319.1	10,457
					10,532
0	0.0	77.2	0	0.0	10,607
					10,682
-1	(767.2)	76.5	-1	(319.1)	10,756
-2	(1,534.4)	75.9	-2	(638.2)	10,831
-3	(2,301.5)	75.2	-3	(957.4)	10,906
-4	(3,068.7)	74.5	-4	(1,276.5)	10,980
-5	(3,835.9)	73.8	-5	(1,595.6)	11,055
-6	(4,603.1)	73.2	-6	(1,914.7)	11,130
-7	(5,370.3)	72.5	-7	(2,233.8)	11,205
-8	(6,137.4)	71.8	-8	(2,552.9)	11,279
-9	(6,904.6)	71.1	-9	(2,872.1)	11,354
-10	(7,671.8)	70.5	-10	(3,191.2)	11,429

EAF POINTS 5.297

Adjusted EAF 79.0

AHR POINTS 0.000

Adjusted ANOHR 10,582

Weighting Factor = 9.57%

Weighting Factor = 6.42%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2008 - DECEMBER 2008

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 ← EAF POINTS 10.000	1,609.7	87.0 → Adjusted EAF 93.5	+10	4,378.6	7,191
+9	1,448.7	86.7	+9	3,940.7	7,196
+8	1,287.8	86.5	+8	3,502.9	7,201
+7	1,126.8	86.2	+7	3,065.0	7,207
+6	965.8	86.0	+6	2,627.1	7,212
+5	804.8	85.7	+5 ← AHR POINTS 5.137	2,189.3	7,218 → Adjusted ANOHR 7,217
+4	643.9	85.5	+4	1,751.4	7,223
+3	482.9	85.2	+3	1,313.6	7,229
+2	321.9	85.0	+2	875.7	7,234
+1	161.0	84.7	+1	437.9	7,239
					7,245
0	0.0	84.5	0	0.0	7,320
					7,395
-1	(311.1)	83.9	-1	(437.9)	7,400
-2	(622.2)	83.4	-2	(875.7)	7,406
-3	(933.3)	82.9	-3	(1,313.6)	7,411
-4	(1,244.4)	82.4	-4	(1,751.4)	7,417
-5	(1,555.5)	81.9	-5	(2,189.3)	7,422
-6	(1,866.6)	81.4	-6	(2,627.1)	7,428
-7	(2,177.7)	80.9	-7	(3,065.0)	7,433
-8	(2,488.8)	80.4	-8	(3,502.9)	7,438
-9	(2,799.9)	79.9	-9	(3,940.7)	7,444
-10	(3,111.0)	79.4	-10	(4,378.6)	7,449

Weighting Factor = 3.24%

Weighting Factor = 8.81%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2008 - DECEMBER 2008

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	113.6	84.6	+10	4,728.7	7,243
+9	102.2	84.5	+9	4,255.8	7,247
+8	90.9	84.4	+8	3,782.9	7,251
+7	79.5	84.3	+7	3,310.1	7,255
+6	68.2	84.2	+6	2,837.2	7,259
+5	56.8	84.1	+5	2,364.3	7,264
+4	45.4	84.0	+4	1,891.5	7,268
+3	34.1	83.9	+3	1,418.6	7,272
+2	22.7	83.8	+2	945.7	7,276
+1	11.4	83.7	+1	472.9	7,280
			AHR POINTS 0.000		Adjusted ANOHR 7,329
0	0.0	83.6	0	0.0	7,284 / 7,359 / 7,434
-1	(391.4)	83.4	-1	(472.9)	7,438
-2	(782.9)	83.2	-2	(945.7)	7,443
-3	(1,174.3)	83.0	-3	(1,418.6)	7,447
-4 EAF POINTS -4.106	(1,565.8)	Adjusted EAF 82.8 / 82.8	-4	(1,891.5)	7,451
-5	(1,957.2)	82.6	-5	(2,364.3)	7,455
-6	(2,348.6)	82.4	-6	(2,837.2)	7,459
-7	(2,740.1)	82.2	-7	(3,310.1)	7,463
-8	(3,131.5)	82.0	-8	(3,782.9)	7,468
-9	(3,523.0)	81.8	-9	(4,255.8)	7,472
-10	(3,914.4)	81.6	-10	(4,728.7)	7,476

Weighting Factor = 0.23%

Weighting Factor = 9.52%

TAMPA ELECTRIC COMPANY
COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 08 - DEC 08 POF	EUOF	EUOR	ACTUAL PERFORMANCE JAN 08 - DEC 08 POF	EUOF	EUOR
BIG BEND 1	11.54%	21.2%	3.8	23.4	24.3	4.9	19.4	20.4
BIG BEND 2	4.22%	7.8%	8.7	14.0	15.3	10.2	18.8	20.9
BIG BEND 3	12.89%	23.7%	26.5	26.0	35.4	32.4	23.1	34.1
BIG BEND 4	12.66%	23.3%	3.8	22.6	23.5	5.8	21.4	22.7
POLK 1	9.57%	17.6%	7.9	14.9	16.2	3.0	13.8	16.9
BAYSIDE 1	3.24%	6.0%	3.8	11.7	12.2	2.4	2.8	3.7
BAYSIDE 2	0.23%	0.4%	15.3	1.1	1.3	14.5	1.9	2.8
GPIF SYSTEM	**54.34%**	**100.0%**	**10.3**	**20.8**	**23.8**	**11.6**	**18.6**	**22.6**

GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%) 68.8 69.8

3 PERIOD AVERAGE POF	EUOF	EUOR	3 PERIOD AVERAGE EAF
7.0	23.1	25.6	69.9

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET HEAT RATE JAN 08 - DEC 08	ADJUSTED ACTUAL HEAT RATE JAN 08 - DEC 08
BIG BEND 1	3.40%	7.5%	10,908	11,067
BIG BEND 2	3.70%	8.1%	10,693	10,658
BIG BEND 3	5.40%	11.8%	10,657	11,008
BIG BEND 4	8.41%	18.4%	10,837	10,838
POLK 1	6.42%	14.1%	10,607	10,582
BAYSIDE 1	8.81%	19.3%	7,320	7,217
BAYSIDE 2	9.52%	20.8%	7,359	7,329
GPIF SYSTEM	**45.66%**	**100.0%**		

GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh) 9,373 9,394

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
JANUARY 2008 - DECEMBER 2008

Points are calculated according to the formula:

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

Where:

$GPIP$ = Generating performance incentive points

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

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

EAP_i = Equivalent availability points awarded/deducted for unit i

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

Weighting factors and point values are listed on page 4.

$GPIP$ =	(BB 1 a_i)	*	(BB 1 EAP)	+	(BB 2 a_i)	*	(BB 2 EAP)	+	(BB 3 a_i)	*	(BB 3 EAP)
+	(BB 4 a_i)	*	(BB 4 EAP)	+	(PK 1 a_i)	*	(PK 1 EAP)	+	(BAY 1 a_i)	*	(BAY 1 EAP)
+	(BAY 2 a_i)	*	(BAY 2 EAP)	+	(BB 1 e_i)	*	(BB 1 AHRP)	+	(BB 2 e_i)	*	(BB 2 AHRP)
+	(BB 3 e_i)	*	(BB 3 AHRP)	+	(BB 4 e_i)	*	(BB 4 AHRP)	+	(PK 1 e_i)	*	(PK 1 AHRP)
+	(BAY 1 e_i)	*	(BAY 1 AHRP)	+	(BAY 2 e_i)	*	(BAY 2 AHRP)				

$GPIP$ =	11.54%	*	7.820	+	4.22%	*	-7.881	+	12.89%	*	1.382
+	12.66%	*	1.798	+	9.57%	*	5.297	+	3.24%	*	10.000
+	0.23%	*	-4.106	+	3.40%	*	-3.554	+	3.70%	*	0.000
+	5.40%	*	-4.454	+	8.41%	*	0.000	+	6.42%	*	0.000
+	8.81%	*	5.137	+	9.52%	*	0.000				

$GPIP$ =	0.902	+	-0.332	+	0.178
+	0.228	+	0.507	+	0.324
+	-0.009	+	-0.121	+	0.000
+	-0.240	+	0.000	+	0.000
+	0.453	+	0.000		

$GPIP$ = 1.888 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 = $1,239,009

DOCKET NO. 090001-EI
GPIF 2008 FINAL TRUE-UP
EXHIBIT NO. ___ (BSB-1)
DOCUMENT NO. 2

EXHIBIT TO THE TESTIMONY OF

BRIAN S. BUCKLEY

DOCKET NO. 090001-EI

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2008 - DECEMBER 2008

TRUE-UP

DOCUMENT NO. 2

ACTUAL UNIT PERFORMANCE DATA

ORIGINAL SHEET NO. 8.401.08A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2008 - DECEMBER 2008

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 08	FEB 08	MAR 08	APR 08	MAY 08	JUN 08	JUL 08	AUG 08	SEP 08	OCT 08	NOV 08	DEC 08	2008
1. EAF (%)	64.8	95.0	76.3	69.8	77.1	75.3	96.7	83.0	82.6	75.8	56.4	56.4	75.7
2. PH	744.0	696.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	720.0	744.0	8,784.0
3. SH	703.3	696.0	629.6	530.1	625.9	574.0	744.0	644.3	623.2	599.3	510.0	442.1	7,321.8
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	40.7	0.0	114.4	188.9	118.1	146.0	0.0	99.7	96.8	145.7	210.0	301.9	1,462.2
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	129.0	301.9	430.9
7. FOH	28.2	0.0	114.4	188.9	118.1	146.0	0.0	99.7	96.8	145.7	81.0	0.0	1,018.8
8. MOH	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
9. PFOH	611.3	541.6	254.4	84.7	226.0	276.5	194.3	178.9	294.6	375.1	509.6	400.7	3,947.7
10. LR PF (MW)	137.0	23.3	55.1	127.0	86.5	43.3	48.0	56.9	36.7	35.0	78.7	21.8	62.1
11. PMOH	7.7	5.1	152.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165.3
12. LR PM (MW)	182.9	173.3	64.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.6
13. NSC (MW)	385	385	385	375	375	375	383	383	383	383	383	393	382
14. OPR BTU(GBTU)	1,886.7	2,731.7	1,995.6	1,963.8	2,292.6	2,209.2	2,876.9	2,530.3	2,530.3	2,203.0	1,543.1	1,627.1	26,390.2
15. NET GEN (MWH)	164,017	245,056	188,025	181,827	208,697	196,768	266,585	233,440	223,531	208,599	145,225	156,240	2,418,010
16. ANOHR (BTU/KWH)	11,503.2	11,147.3	10,613.4	10,800.4	10,985.1	11,227.2	10,791.9	10,839.0	11,319.5	10,560.8	10,625.6	10,414.4	10,914.0
17. NOF (%)	60.6	91.5	77.6	91.5	88.9	91.4	93.6	94.6	93.7	90.9	74.3	89.9	86.4
18. NPC (MW)	385	385	385	375	375	375	383	383	383	383	383	393	382
19. ANOHR EQUATION	ANOHR = NOF	-22.192	) +	12,672.079									

EXHIBIT NO. ____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 090001 - EI
DOCUMENT NO. 2
PAGE 1 OF 7

ORIGINAL SHEET NO. 8.401.08A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2008 - DECEMBER 2008

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 08	FEB 08	MAR 08	APR 08	MAY 08	JUN 08	JUL 08	AUG 08	SEP 08	OCT 08	NOV 08	DEC 08	2008
1. EAF (%)	91.0	86.5	50.4	65.6	84.5	68.3	93.2	90.9	72.0	89.9	60.8	0.0	71.0
2. PH	744.0	696.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	720.0	744.0	8,784.0
3. SH	744.0	696.0	509.9	549.6	744.0	581.3	714.4	706.5	554.5	696.0	507.4	0.0	7,003.6
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	0.0	234.1	169.4	0.0	138.8	29.6	37.5	165.5	49.1	212.6	744.0	1,780.4
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153.0	744.0	897.0
7. FOH	0.0	0.0	234.1	169.4	0.0	0.0	29.6	37.5	165.5	49.1	59.6	0.0	744.7
8. MOH	0.0	0.0	0.0	0.0	0.0	138.8	0.0	0.0	0.0	0.0	0.0	0.0	138.8
9. PFOH	540.9	552.0	430.3	376.4	734.0	579.3	242.7	255.1	340.8	377.9	499.5	0.0	4,928.8
10. LR PF (MW)	49.2	67.3	123.6	80.2	60.6	59.4	32.9	45.8	40.4	26.8	53.9	0.0	60.2
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)	395	395	395	385	385	385	383	383	383	383	383	393	387
14. OPR BTU(GBTU)	2,681.6	2,424.9	1,410.7	1,862.3	2,436.5	1,927.2	2,725.3	2,626.4	2,073.5	2,587.1	1,673.6	0.0	24,429.1
15. NET GEN (MWH)	252,047	218,634	127,906	175,630	233,812	180,892	256,377	245,169	192,804	248,485	160,247	0	2,292,003
16. ANOHR (BTU/KWH)	10,639.1	11,091.1	11,029.3	10,603.7	10,420.9	10,653.7	10,629.9	10,712.5	10,754.3	10,411.6	10,444.1	0.0	10,658.0
17. NOF (%)	85.8	79.5	63.5	83.0	81.6	80.8	93.7	90.6	90.8	93.2	82.5	0.0	84.5
18. NPC (MW)	395	395	395	385	385	385	383	383	383	383	383	393	387
19. ANOHR EQUATION		ANOHR = NOF	-15.000	) +	11,960.680								

EXHIBIT NO. ____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 090001 - EI
DOCUMENT NO. 2
PAGE 2 OF 7

ORIGINAL SHEET NO. 8.401.08A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2008 - DECEMBER 2008

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 08	FEB 08	MAR 08	APR 08	MAY 08	JUN 08	JUL 08	AUG 08	SEP 08	OCT 08	NOV 08	DEC 08	2008
1. EAF (%)	0.0	0.0	0.0	2.7	16.8	56.1	96.4	90.0	61.0	85.4	61.3	61.2	44.5
2. PH	744.0	696.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	720.0	744.0	8,784.0
3. SH	0.0	0.0	0.0	49.5	150.1	510.0	744.0	728.5	551.2	745.0	476.7	673.9	4,628.9
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	744.0	696.0	744.0	669.5	593.9	210.0	0.0	15.5	168.8	0.0	243.3	70.1	4,155.1
6. POH	744.0	696.0	744.0	662.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,846.7
7. FOH	0.0	0.0	0.0	6.8	593.9	123.2	0.0	15.5	168.8	0.0	243.3	70.1	1,221.7
8. MOH	0.0	0.0	0.0	0.0	0.0	86.8	0.0	0.0	0.0	0.0	0.0	0.0	86.8
9. PFOH	0.0	0.0	0.0	0.0	88.0	482.9	221.9	624.6	453.2	732.7	476.5	634.5	3,714.3
10. LR PF (MW)	0.0	0.0	0.0	0.0	110.1	85.0	45.8	36.0	94.4	56.6	28.9	135.2	71.9
11. PMOH	0.0	0.0	0.0	47.2	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	56.2
12. LR PM (MW)	0.0	0.0	0.0	254.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	214.2
13. NSC (MW)	397	397	397	387	387	387	383	383	383	383	383	393	388
14. OPR BTU(GBTU)	0.0	0.0	0.0	65.3	346.6	1,595.5	2,905.3	2,690.2	1,769.2	2,480.4	1,607.9	1,886.4	15,346.8
15. NET GEN (MWH)	0	0	0	5,663	33,353	146,358	269,105	242,165	164,102	232,878	152,721	172,126	1,418,472
16. ANOHR BTU/KWH	0.0	0.0	0.0	11,535.3	10,390.4	10,901.6	10,796.2	11,109.0	10,780.9	10,650.9	10,528.2	10,959.7	10,819.0
17. NOF (%)	0.0	0.0	0.0	29.6	57.4	74.2	94.4	86.8	77.7	81.6	83.7	65.0	78.9
18. NPC (MW)	397	397	397	387	387	387	383	383	383	383	383	393	388
19. ANOHR EQUATION	ANOHR = NOF	-43.503	) +	13,899.803									

EXHIBIT NO. ____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 090001 - EI
DOCUMENT NO. 2
PAGE 3 OF 7

ORIGINAL SHEET NO. 8.401.08A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2008 - DECEMBER 2008

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 08	FEB 08	MAR 08	APR 08	MAY 08	JUN 08	JUL 02	AUG 08	SEP 08	OCT 08	NOV 08	DEC 08	2008
1. EAF (%)	42.4	15.4	94.4	92.8	93.3	55.6	91.5	56.8	74.7	88.5	89.1	76.1	72.8
2. PH	744.0	696.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	720.0	744.0	8,784.0
3. SH	336.5	152.9	734.9	716.9	740.2	453.7	712.4	480.5	621.8	710.5	720.0	627.3	7,007.4
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	407.5	543.1	9.1	2.1	3.8	266.3	31.6	263.5	98.2	34.5	0.0	116.7	1,776.6
6. POH	0.0	512.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	512.1
7. FOH	407.5	31.0	9.1	2.1	3.8	266.3	31.6	263.5	98.2	34.5	0.0	116.7	1,264.5
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PFOH	28.6	135.2	720.9	701.9	725.1	382.6	302.5	415.9	606.8	701.0	719.6	626.0	6,065.9
10. LR PF (MW)	141.9	145.1	15.6	29.7	26.6	58.5	45.0	59.1	59.3	30.9	46.8	41.6	41.7
11. PMOH	75.4	0.0	12.5	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	89.7
12. LR PM (MW)	66.3	0.0	218.7	0.0	0.0	0.0	0.0	36.5	0.0	0.0	0.0	0.0	86.9
13. NSC (MW)	428	428	428	418	418	418	428	428	428	428	428	428	426
14. OPR BTU(GBTU)	1,322.1	460.4	2,997.7	2,885.3	3,102.6	1,750.0	3,023.7	1,901.1	2,423.1	2,935.0	2,792.4	2,467.4	28,060.7
15. NET GEN (MWH)	126,465	42,095	287,583	265,604	277,381	155,608	278,870	171,917	223,522	272,656	261,455	235,817	2,598,972
16. ANOHR BTU/KWH	10,454.6	10,937.8	10,423.6	10,863.1	11,185.4	11,246.0	10,842.5	11,058.0	10,840.7	10,764.6	10,680.1	10,463.1	10,797.0
17. NOF (%)	87.8	64.3	91.4	88.6	89.7	82.0	91.5	83.6	84.0	89.7	84.8	87.8	87.2
18. NPC (MW)	428	428	428	418	418	418	428	428	428	428	428	428	426
19. ANOHR EQUATION	ANOHR = NOF	-29.850	) +	13,398.364									

EXHIBIT NO. ____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 090001 - EI
DOCUMENT NO. 2
PAGE 4 OF 7

ORIGINAL SHEET NO. 8.401.08A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2008 - DECEMBER 2008

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 08	FEB 08	MAR 08	APR 08	MAY 08	JUN 08	JUL 02	AUG 08	SEP 08	OCT 08	NOV 08	DEC 08	2008
1. EAF (%)	97.0	79.9	88.8	50.8	79.9	72.0	85.5	86.9	83.4	92.5	88.9	91.1	83.2
2. PH	744.0	696.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	720.0	744.0	8,784.0
3. SH	695.3	598.0	694.3	276.4	256.0	356.5	727.8	744.0	498.9	722.8	668.8	727.1	6,965.9
4. RSH	46.4	30.8	49.7	155.6	488.0	305.2	16.2	0.0	221.1	22.2	31.7	0.0	1,366.8
5. UH	2.3	67.2	0.0	287.1	0.0	58.2	0.0	0.0	0.0	0.0	19.6	16.9	451.3
6. POH	0.0	0.0	0.0	267.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	267.8
7. FOH	2.3	67.2	0.0	19.3	0.0	58.2	0.0	0.0	0.0	0.0	0.0	16.9	164.0
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	0.0	19.6
9. PFOH	60.8	445.9	810.9	465.1	514.3	672.6	1,526.7	940.0	945.4	35.3	154.9	40.0	6,611.9
10. LR PF (MW)	77.4	41.4	26.1	36.1	72.6	53.3	17.7	25.9	26.6	50.8	23.9	15.7	32.8
11. PMOH	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	294.9	745.0	700.4	727.1	2,475.2
12. LR PM (MW)	43.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	16.4	16.4	16.5	16.5
13. NSC (MW) **	255	255	255	250	250	250	250	250	250	250	250	255	252
14. OPR BTU(GBTU)	1,766.7	1,251.7	1,666.9	667.1	606.1	826.7	1,595.9	1,695.2	1,133.2	1,570.2	1,447.0	1,655.3	15,881.9
15. NET GEN (MWH)	165,263	127,837	155,184	47,229	52,870	66,820	151,851	162,419	103,322	158,587	143,271	162,936	1,497,590
16. ANOHR BTU/KWH	10,690.3	9,791.4	10,741.5	14,125.3	11,463.6	12,371.9	10,509.8	10,437.0	10,967.2	9,901.1	10,099.4	10,159.2	10,605.0
17. NOF (%)	93.2	83.8	87.7	68.4	82.6	75.0	83.5	87.3	82.8	87.8	85.7	87.9	85.4
18. NPC (MW) **	255	255	255	250	250	250	250	250	250	250	250	255	252
19. ANOHR EQUATION	ANOHR = NOF	-12.418	) +	11,690.026									

EXHIBIT NO. ____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 090001 - EI
DOCUMENT NO. 2
PAGE 5 OF 7

ORIGINAL SHEET NO. 8.401.08A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2008 - DECEMBER 2008

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 1	JAN 08	FEB 08	MAR 08	APR 08	MAY 08	JUN 08	JUL 02	AUG 08	SEP 08	OCT 08	NOV 08	DEC 08	2008
1. EAF (%)	99.1	100.0	100.0	72.1	98.6	99.3	99.9	99.6	99.9	74.7	97.1	98.2	94.9
2. PH	744.0	696.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	720.0	744.0	8,784.0
3. SH	557.5	603.3	673.7	435.9	611.5	593.9	508.8	542.7	577.6	273.1	337.0	467.1	6,182.1
4. RSH	165.2	92.3	72.4	75.5	113.0	113.0	219.7	193.2	136.2	279.1	355.3	257.0	2,071.9
5. UH	6.8	0.2	0.0	201.0	10.7	5.3	0.8	3.1	0.4	187.9	20.8	13.1	450.1
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	187.2	20.4	0.0	207.7
7. FOH	1.6	0.2	0.0	0.2	2.7	1.2	0.8	0.1	0.4	0.7	0.3	9.1	17.3
8. MOH	5.1	0.0	0.0	200.8	8.0	4.2	0.0	3.0	0.0	0.0	0.0	4.0	225.1
9. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PF (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
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) **	791	791	791	700	700	700	700	700	700	700	700	791	730
14. OPR BTU(GBTU)	2,134.8	2,429.2	2,650.9	1,712.7	2,435.6	2,417.4	1,908.6	2,184.7	2,325.1	1,046.4	1,281.5	1,780.0	24,307.0
15. NET GEN (MWH)	295,998	334,862	362,140	236,126	338,577	334,253	259,758	301,890	321,958	142,724	177,627	246,888	3,352,801
16. ANOHR BTU/KWH	7,212.2	7,254.3	7,320.1	7,253.5	7,193.8	7,232.4	7,347.5	7,236.8	7,221.7	7,331.7	7,214.6	7,209.6	7,250.0
17. NOF (%)	67.1	70.2	68.0	77.4	79.1	80.4	72.9	79.5	79.6	74.6	75.3	66.8	74.3
18. NPC (MW) **	791	791	791	700	700	700	700	700	700	700	700	791	730
19. ANOHR EQUATION	ANOHR = NOF	-3.512	) +	7,614.228									

EXHIBIT NO. ____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 090001 - EI
DOCUMENT NO. 2
PAGE 6 OF 7

ORIGINAL SHEET NO. 8.401.08A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2008 - DECEMBER 2008

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 2	JAN 08	FEB 08	MAR 08	APR 08	MAY 08	JUN 08	JUL 02	AUG 08	SEP 08	OCT 08	NOV 08	DEC 08	2008
1. EAF (%)	99.4	33.5	0.0	84.1	99.9	97.2	100.0	99.7	99.7	98.5	89.9	98.9	83.6
2. PH	744.0	696.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	720.0	744.0	8,784.0
3. SH	543.2	181.0	0.0	486.2	598.2	579.5	530.1	607.5	587.0	514.7	493.9	553.0	5,674.4
4. RSH	182.2	44.8	0.0	102.8	135.5	113.0	191.6	126.7	123.8	193.5	126.5	172.0	1,512.4
5. UH	4.8	462.8	744.0	114.5	0.4	19.9	0.1	1.9	2.2	11.4	72.9	8.0	1,442.8
6. POH	0.0	461.8	744.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.4	0.0	1,277.2
7. FOH	4.8	0.0	0.0	28.5	0.4	5.4	0.1	0.6	1.0	11.4	0.6	5.6	58.5
8. MOH	0.0	1.0	0.0	86.0	0.0	14.4	0.0	1.2	1.1	0.0	0.9	2.4	107.1
9. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PF (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
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) **	1,046	1,046	1,046	928	928	928	928	928	928	928	928	1,046	967
14. OPR BTU(GBTU)	2,799.4	924.3	0.0	2,495.9	3,347.4	3,168.7	2,625.9	3,278.7	3,196.5	2,497.9	2,418.9	2,834.0	29,587.6
15. NET GEN (MWH)	376,519	123,763	(369)	338,726	458,367	431,597	353,261	447,973	436,678	334,950	326,194	385,242	4,012,901
16. ANOHR BTU/KWH	7,435.0	7,468.1	0.0	7,368.5	7,302.8	7,341.7	7,433.3	7,319.0	7,320.1	7,457.7	7,415.7	7,356.4	7,373.0
17. NOF (%)	66.3	65.4	0.0	75.1	82.6	80.3	71.8	79.5	80.2	70.1	71.2	66.6	73.1
18. NPC (MW) **	1,046	1,046	1,046	928	928	928	928	928	928	928	928	1,046	967
19. ANOHR EQUATION	ANOHR = NOF	-5.811	) +	7,828.207									

EXHIBIT NO. ____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 090001 - EI
DOCUMENT NO. 2
PAGE 7 OF 7

TECO
TAMPA ELECTRIC

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 090001-EI
IN RE: FUEL & PURCHASED POWER COST RECOVERY
AND
CAPACITY COST RECOVERY

REDACTED

FINAL TRUE-UP
JANUARY 2008 THROUGH DECEMBER 2008

TESTIMONY
OF
JOANN T. WEHLE

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

JOANN T. WEHLE

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

A. My name is Joann T. Wehle. My business address is 702 N. Franklin Street, Tampa, Florida 33602. I am employed by Tampa Electric Company ("Tampa Electric" or "company") as Director of the Wholesale Marketing and Fuels Department.

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

A. I received a Bachelor's of Business Administration Degree in Accounting in 1985 from St. Mary's College, South Bend, Indiana. I am a CPA in the State of Florida and worked in several accounting positions prior to joining Tampa Electric. I began my career with Tampa Electric in 1990 as an auditor in the Audit Services Department. I became Senior Contracts Administrator, Fuels in 1995. In 1999, I was promoted to Director,

Audit Services and subsequently rejoined the Fuels Department as Director in April 2001. I became Director, Wholesale Marketing and Fuels in August 2002. I am responsible for managing Tampa Electric's wholesale energy marketing and fuel-related activities.

Q. Please state the purpose of your testimony.

A. The purpose of my testimony is to present, for the Florida Public Service Commission's ("FPSC" or "Commission") review, information regarding the 2008 results of Tampa Electric's risk management activities, as required by the terms of the stipulation entered into by the parties to Docket No. 011605-EI and approved by the Commission in Order No. PSC-02-1484-FOF-EI.

Q. What is the source of the data you present in your testimony in this proceeding?

A. Unless otherwise indicated, the source of the data is the books and records of Tampa Electric. The books and records are kept in the regular course of business in accordance with generally accepted accounting principles and practices, and provisions of the Uniform System of Accounts as prescribed by this Commission.

Q. What were the results of Tampa Electric's risk management activities in 2008?

A. As outlined in Tampa Electric's annual Risk Management Plan, most recently filed on September 2, 2008 in Docket No. 080001-EI, the company follows a non-speculative risk management strategy to reduce fuel price volatility while maintaining a reliable supply of fuel. In an effort to limit exposure to market price fluctuations of natural gas, Tampa Electric established a hedging program. Over time, the program has been enhanced as Tampa Electric's gas needs have evolved and grown. All enhancements have been reviewed and approved by the company's Risk Authorization Committee.

On April 3, 2009, Tampa Electric filed its annual risk management report, which describes the outcomes of its 2008 risk management activities. The report indicates that Tampa Electric's 2008 hedging activities resulted in a net gain of approximately $18.1 million. Tampa Electric followed the plan objective of reducing price volatility while maintaining a reliable fuel supply. For 2008, the net gain is a combination of large gains during the summer offset by losses during the mild winter at the beginning of 2008 and losses due to low

prices during the economic downturn at the end of 2008. The gains during the summer were the result of a dramatic rise in the price of all energy commodities, including natural gas. The losses at the beginning of 2008 were driven primarily by the mild winter of 2007/2008 that allowed natural gas prices to decrease. The losses at the end of 2008 were due to the severe and abrupt economic downturn that reduced demand for natural gas; as a result, the price of natural gas dropped dramatically during the third and fourth quarters of 2008. Although there was considerable price volatility in the natural gas market during 2008, Tampa Electric mitigated price volatility through the financial hedges.

Q. Does Tampa Electric implement physical hedges for natural gas?

A. Yes, Tampa Electric maintains contracts for gas supplies from various regions and on different pipelines to enhance its physical gas supply reliability. During 2007, Tampa Electric contracted for access to natural gas supplies via the Southeast Supply Header and Gulf South, adding approximately 65,000 MMBtu per day of inland supply to increase supply reliability during Gulf storms. While contracted in 2007, the access became

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effective in the summer of 2008.

Q. Does Tampa Electric use a hedging information system?

A. Yes, Tampa Electric continues to use Sungard's Nucleus Risk Management System ("Nucleus"). Nucleus supports sound hedging practices with its contract management, separation of duties, credit tracking, transaction limits, deal confirmation, and business report generation functions. The Nucleus system records all financial natural gas hedging transactions, and the system calculates risk management reports. Nucleus is also used for contract, credit management and risk exposure analysis.

Q. What were the results of the company's incremental hedging activities in 2008?

A. Tampa Electric's incremental natural gas hedging activities protected customers from price volatility for [redacted] percent of the natural gas used in the company's generating stations. The net result of natural gas hedging activity in 2008 was a gain of approximately $18.1 million, when the instrument prices were compared to market prices on settled positions.

Q. Did the company use financial hedges for other commodities in 2008?

A. No, Tampa Electric did not use financial hedges for other commodities primarily because of its fuel mix.

Tampa Electric's generation is comprised mostly of coal and natural gas. Though the price of coal has increased, it is relatively stable compared to the prices of oil and natural gas. In addition, financial hedging instruments for the primary coal Tampa Electric burns, high sulfur Illinois Basin coal, do not exist.

Tampa Electric consumes a small amount of oil. However, its low and erratic usage pattern makes price hedging of oil consumption impractical; therefore, the company did not use financial hedges for oil.

The company did not use financial hedges for wholesale energy transactions because a liquid, published market does not exist in Florida.

Q. Did Tampa Electric use physical hedges for other commodities?

A. Yes, Tampa Electric used physical hedges in managing its coal supply reliability. The company enters into a portfolio of differing term contracts with various suppliers to obtain the types of coal used on its system. Additionally, Tampa Electric fills its oil tanks prior to entering hurricane season to reduce exposure to supply or price issues that may arise during hurricane season.

Q. What is the basis for your request to recover the commodity and transaction costs described above?

A. Commission Order No. PSC-02-1484-FOF-EI, in Docket No. 011605-EI states:

> "Each investor-owned electric utility shall be authorized to charge/credit to the fuel and purchased power cost recovery clause its non-speculative, prudently-incurred commodity costs and gains and losses associated with financial and/or physical hedging transactions for natural gas, residual oil, and purchased power contracts tied to the price of natural gas."

Therefore, Tampa Electric's request for recovery is in accordance with the aforementioned order.

Q. Does this conclude your testimony?

A. Yes, it does.