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April 1, 2010

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. 100001-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 2009.

2. Prepared Direct Testimony and Exhibit (BSB-1) of Brian S. Buckley regarding Generating Performance Incentive Factor True-Up for the period January 2009 through December 2009.

3. Prepared Direct Testimony of Joann T. Wehle regarding Tampa Electric company's risk management and hedging activities for the period January 2009 through December 2009.

COM 5
APA 2
ECR 5
GCL 1
RAD ___
SSC ___
ADM ___
OPC ___
CLK 1

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.)

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 1st day of April 2009 to the following:

Ms. Lisa Bennett*
Staff Attorney
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Florida Public Service Commission
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Tallahassee, FL 32399-0850

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Mr. Randy B. Miller
White Springs Agricultural Chemicals, Inc.
Post Office Box 300
White Springs, FL 32096

ATTORNEY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and Purchased Power Cost Recovery Clause and Generating Performance Incentive Factor.	))))	DOCKET NO. 100001-EI FILED: April 1, 2010

TAMPA ELECTRIC COMPANY'S PETITION FOR APPROVAL OF GENERATING PERFORMANCE INCENTIVE FACTOR RESULTS FOR THE TWELVE MONTH PERIOD ENDING DECEMBER 2009

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 2009. In support of this Petition, Tampa Electric states as follows:

1. By Order No. PSC-09-0795-FOF-E1, dated December 2, 2009, the Commission approved Tampa Electric's GPIF targets for the period January 2009 through December 2009. The application of the GPIF formula to the performance of the company's GPIF units during that period produces a reward of $1,830,855. 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 $1,830,855 as its GPIF reward for the period ending December 2009 and authorize the inclusion of this amount in the calculation of Tampa Electric's fuel factors for the period beginning January 2011.

DATED this 14 day of April 2010.

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 April 2010 to the following:

Ms. Lisa Bennett*
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Florida Public Service Commission
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White Springs Agricultural Chemicals, Inc.
Post Office Box 300
White Springs, FL 32096

ATTORNEY

TECO
TAMPA ELECTRIC

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 100001-EI
IN RE: FUEL & PURCHASED POWER COST RECOVERY
AND
CAPACITY COST RECOVERY

GENERATING PERFORMANCE INCENTIVE FACTOR
TRUE-UP
JANUARY 2009 THROUGH DECEMBER 2009

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 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 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 2009 through December 2009. 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 2009 - December 2009 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 2009 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 2009 through December 2009 period?

A. Yes, I have. This is shown on Document No. 1, page 4 of 32. Based upon 2.486 Generating Performance Incentive Points ("GPIP"), the result is a reward amount of $1,830,855 for the period.

Q. Please proceed with your review of the actual results for the January 2009 through December 2009 period.

A. On Document No. 1, page 3 of 32, the actual average common equity for the period is shown on line 14 as $1,820,026,462. This produces the maximum penalty or reward amount of $7,365,753 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, 816.0 planned outage hours were originally

scheduled for 2009. Actual outage activities required 1228.6 planned outage hours. Consequently, the actual equivalent availability of 55.7 percent is adjusted to 58.7 percent as shown on Document No. 1, page 7 of 32.

Big Bend Unit No. 2

On this unit, 2856.0 planned outage hours were originally scheduled for 2009. Actual outage activities required 2320.7 planned outage hours. Consequently, the actual equivalent availability of 36.8 percent is adjusted to 33.8 percent as shown on Document No. 1, page 8 of 32.

Big Bend Unit No. 3

On this unit, 336.0 planned outage hours were originally scheduled for 2009. Actual outage activities required 441.4 planned outage hours. Consequently, the actual equivalent availability of 78.8 percent is adjusted to 79.8 percent as shown on Document No. 1, page 9 of 32.

Big Bend Unit No. 4

On this unit, 1344.0 planned outage hours were originally scheduled for 2009. Actual outage activities required 416.2 planned outage hours. Consequently, the actual equivalent availability of 79.5 percent is adjusted to 70.7 percent as shown on Document No. 1, page 10 of 32.

Polk Unit No. 1

On this unit, 854.1 planned outage hours were originally scheduled for 2009. Actual outage activities required 1232.4 planned outage hours. Consequently, the actual equivalent availability of 76.5 percent is adjusted to 80.3 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 2009. Actual outage activities required 492.2 planned outage hours. Consequently, the actual equivalent availability of 93.2 percent is adjusted to 95.0 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 2009. Actual outage activities required 589.7 planned outage hours. Consequently, the actual equivalent availability of 92.0 percent is adjusted to 94.8 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 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 2009 through December 2009 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, 2.486, is then entered into the GPIF table on page 2 of 32. Using linear interpolation, the reward amount is $1,830,855.

Q. Does this conclude your testimony?

A. Yes, it does.

DOCKET NO. 100001-EI
GPIF 2009 FINAL TRUE-UP
EXHIBIT NO. ___ (BSB-1)

GENERATING PERFORMANCE INCENTIVE FACTOR

INDEX

DOCKET NO. 100001-EI
GPIF 2009 FINAL TRUE-UP
EXHIBIT NO. ___ (BSB-1)
DOCUMENT NO. 1

EXHIBIT TO THE TESTIMONY OF

BRIAN S. BUCKLEY

DOCKET NO. 100001-EI

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2009 - DECEMBER 2009

TRUE-UP

DOCUMENT NO. 1

GPIF SCHEDULES

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2009 - DECEMBER 2009
TRUE-UP
TABLE OF CONTENTS

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE - ACTUAL
JANUARY 2009 - DECEMBER 2009

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) ($000)	GENERATING PERFORMANCE INCENTIVE FACTOR ($000)
+10	60,487.1	7,365.8
+9	54,438.4	6,629.2
+8	48,389.7	5,892.6
+7	42,341.0	5,156.0
+6	36,292.3	4,419.5
+5	30,243.6	3,682.9
+4	24,194.8	2,946.3
+3	18,146.1	2,209.7
+2	12,097.4	1,473.2
+1	6,048.7	736.6
0	0.0	0.0
-1	(10,975.5)	(736.6)
-2	(21,950.9)	(1,473.2)
-3	(32,926.4)	(2,209.7)
-4	(43,901.9)	(2,946.3)
-5	(54,877.4)	(3,682.9)
-6	(65,852.8)	(4,419.5)
-7	(76,828.3)	(5,156.0)
-8	(87,803.8)	(5,892.6)
-9	(98,779.2)	(6,629.2)
-10	(109,754.7)	(7,365.8)

GPI POINTS 2.486 ←

→ **REWARD DOLLARS $1,830,855**

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS - ACTUAL
JANUARY 2009 - DECEMBER 2009

Line 1	Beginning of period balance of common equity: End of month common equity:		$	1,822,682,000
Line 2	Month of January	2009	$	1,831,069,000
Line 3	Month of February	2009	$	1,794,238,000
Line 4	Month of March	2009	$	1,800,325,000
Line 5	Month of April	2009	$	1,789,629,000
Line 6	Month of May	2009	$	1,806,748,000
Line 7	Month of June	2009	$	1,831,093,000
Line 8	Month of July	2009	$	1,823,300,000
Line 9	Month of August	2009	$	1,839,443,000
Line 10	Month of September	2009	$	1,855,284,000
Line 11	Month of October	2009	$	1,812,173,000
Line 12	Month of November	2009	$	1,822,648,000
Line 13	Month of December	2009	$	1,831,712,000
Line 14	(Summation of line 1 through line 13 divided by 13)		$	1,820,026,462
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)		$	7,438,881
Line 18	Jurisdictional Sales			18,772,130 MWH
Line 19	Total Sales			18,958,502 MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)			99.02%
Line 21	***Maximum Allowed Jurisdictional Incentive Dollars*** **(line 17 times line 20)**		**$**	**7,365,753**

TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS - ACTUAL
JANUARY 2009 - DECEMBER 2009

PLANT / UNIT	12 MONTH ADJ. ACTUAL PERFORMANCE		WEIGHTING FACTOR %	UNIT POINTS	WEIGHTED UNIT POINTS
BIG BEND 1	58.7%	EAF	8.90%	-10.000	-0.890
BIG BEND 2	33.8%	EAF	7.04%	-10.000	-0.704
BIG BEND 3	79.8%	EAF	22.22%	10.000	2.222
BIG BEND 4	70.7%	EAF	10.42%	7.696	0.802
POLK 1	80.3%	EAF	3.09%	2.291	0.071
BAYSIDE 1	95.0%	EAF	0.67%	10.000	0.067
BAYSIDE 2	94.8%	EAF	0.70%	10.000	0.070
BIG BEND 1	10,403	ANOHR	4.51%	10.000	0.451
BIG BEND 2	10,143	ANOHR	3.29%	8.235	0.271
BIG BEND 3	10,623	ANOHR	3.42%	2.434	0.083
BIG BEND 4	10,501	ANOHR	7.11%	0.586	0.042
POLK 1	10,750	ANOHR	10.81%	0.000	0.000
BAYSIDE 1	7,227	ANOHR	9.06%	0.000	0.000
BAYSIDE 2	7,349	ANOHR	8.76%	0.000	0.000
			100.00%		2.486

GPIF REWARD	**$ *1,830,855***

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	WEIGHTING FACTOR (%)	EAF TARGET (%)	EAF MAX. (%)	EAF RANGE MIN. (%)	MAX. FUEL SAVINGS ($000)	MAX. FUEL LOSS ($000)	EAF ADJUSTED ACTUAL (%)	ACTUAL FUEL SAVINGS/ LOSS ($000)
BIG BEND 1	8.90%	72.5	76.6	64.3	5,381.6	(13,607.0)	58.7%	(13,607.0)
BIG BEND 2	7.04%	56.1	60.0	48.4	4,256.1	(10,743.9)	33.8%	(10,743.9)
BIG BEND 3	22.22%	54.3	62.9	37.2	13,438.2	(34,614.0)	79.8%	34,614.0
BIG BEND 4	10.42%	67.5	71.7	59.1	6,305.2	(15,453.2)	70.7%	11,892.8
POLK 1	3.09%	79.7	82.3	74.6	1,866.1	(4,526.3)	80.3%	1,037.2
BAYSIDE 1	0.67%	93.4	94.1	91.9	405.7	(1,190.9)	95.0%	1,190.9
BAYSIDE 2	0.70%	94.1	94.7	92.9	423.0	(1,208.2)	94.8%	1,208.2
GPIF SYSTEM	**53.03%**				**32,075.9**	**(81,343.5)**		

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	4.51%	10,774	90.9	10,472	11,077	2,730.6	(2,730.6)	10,403	2,730.6
BIG BEND 2	3.29%	10,396	90.5	10,105	10,688	1,990.2	(1,990.2)	10,143	1,638.9
BIG BEND 3	3.42%	10,751	77.3	10,458	11,044	2,071.3	(2,071.3)	10,623	504.2
BIG BEND 4	7.11%	10,598	90.1	10,144	11,052	4,299.7	(4,299.7)	10,501	251.8
POLK 1	10.81%	10,707	86.9	9,955	11,460	6,540.5	(6,540.5)	10,750	0.0
BAYSIDE 1	9.06%	7,264	84.4	7,163	7,366	5,480.0	(5,480.0)	7,227	0.0
BAYSIDE 2	8.76%	7,378	77.7	7,277	7,479	5,298.9	(5,298.9)	7,349	0.0
GPIF SYSTEM	**46.97%**					**23,112.3**	**(23,112.3)**		

TAMPA ELECTRIC COMPANY
UNIT PERFORMANCE DATA - ACTUAL
JANUARY 2009 - DECEMBER 2009

PLANT / UNIT	ACTUAL EAF (%)	ADJUSTMENTS (1) TO EAF (%)	EAF ADJUSTED ACTUAL (%)
BIG BEND 1	55.7	3.0	58.7
BIG BEND 2	36.8	-3.0	33.8
BIG BEND 3	78.8	1.0	79.8
BIG BEND 4	79.5	-8.8	70.7
POLK 1	76.5	3.8	80.3
BAYSIDE 1	93.2	1.8	95.0
BAYSIDE 2	92.0	2.8	94.8

PLANT / UNIT	ACTUAL ANOHR (Btu/kwh)	ADJUSTMENTS (2) TO ANOHR (Btu/kwh)	ANOHR ADJUSTED ACTUAL (Btu/kwh)
BIG BEND 1	10,663	-260	10,403
BIG BEND 2	10,329	-186	10,143
BIG BEND 3	10,517	106	10,623
BIG BEND 4	10,574	-73	10,501
POLK 1	10,494	256	10,750
BAYSIDE 1	7,274	-47	7,227
BAYSIDE 2	7,353	-4	7,349

(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 2009 - DECEMBER 2009

WEIGHTING FACTOR = 8.90%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,760.0	8,760.0	8,760.0
EAF	72.5	55.7	58.7
POH	816.0	1,228.6	816.0
FOH + EFOH	1,367.9	1,632.1	1,721.5
MOH + EMOH	224.3	1,024.2	1,080.3
POF	9.3	14.0	9.3
EFOF	15.6	18.6	19.7
EMOF	2.6	11.7	12.3
	-10.000	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 816}{8760 - 1228.6} \times (1632.1 + 1024.2) = 2801.8$$

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

$$100 - 9.3 - \frac{2801.8}{8760.0} \times 100 = 58.7$$

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 2009 - DECEMBER 2009

WEIGHTING FACTOR = 7.04%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,760.0	8,760.0	8,760.0
EAF	56.1	36.8	33.8
POH	2,856.0	2,320.7	2,856.0
FOH + EFOH	673.7	2,789.2	2,557.3
MOH + EMOH	314.4	425.1	389.8
POF	32.6	26.5	32.6
EFOF	7.7	31.8	29.2
EMOF	3.6	4.9	4.4
	-10.000	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 2856}{8760 - 2320.7} \times (2789.2 + 425.1) = 2947.1$$

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

$$100 - 32.6 - \frac{2947.1}{8760.0} \times 100 = 33.8$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 3
JANUARY 2009 - DECEMBER 2009

WEIGHTING FACTOR = 22.22%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,760.0	8,760.0	8,760.0
EAF	54.3	78.8	79.8
POH	336.0	441.4	336.0
FOH + EFOH	2,350.1	1,034.3	1,047.4
MOH + EMOH	1,314.2	382.5	387.3
POF	3.8	5.0	3.8
EFOF	26.8	11.8	12.0
EMOF	15.0	4.4	4.4
	10.000	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 336}{8760 - 441.4} \times (1034.3 + 382.5) = 1434.8$$

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

$$100 - 3.8 - \frac{1434.8}{8760.0} \times 100 = 79.8$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 4
JANUARY 2009 - DECEMBER 2009

WEIGHTING FACTOR = 10.42%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,760.0	8,760.0	8,760.0
EAF	67.5	79.5	70.7
POH	1,344.0	416.2	1,344.0
FOH + EFOH	1,305.8	1,117.5	993.2
MOH + EMOH	200.5	260.3	231.4
POF	15.3	4.8	15.3
EFOF	14.9	12.8	11.3
EMOF	2.3	3.0	2.6
	7.696	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 1344}{8760 - 416.2} \times (1117.5 + 260.3) = 1224.6$$

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

$$100 - 15.3 - \frac{1224.6}{8760.0} \times 100 = 70.7$$

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
POLK UNIT NO. 1
JANUARY 2009 - DECEMBER 2009

WEIGHTING FACTOR = 3.09%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,760.0	8,760.0	8,760.0
EAF	79.7	76.5	80.3
POH	854.1	1,232.4	854.1
FOH + EFOH	852.5	789.4	829.1
MOH + EMOH	72.3	38.1	40.0
POF	9.8	14.1	9.8
EFOF	9.7	9.0	9.5
EMOF	0.8	0.4	0.5
	2.291	***EQUIVALENT AVAILABILITY POINTS***	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 854.1}{8760 - 1232.4} \times (789.4 + 38.1) = 869.1$$

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

$$100 - 9.8 - \frac{869.1}{8760.0} \times 100 = 80.3$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BAYSIDE UNIT NO. 1
JANUARY 2009 - DECEMBER 2009

WEIGHTING FACTOR = 0.67%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,760.0	8,760.0	8,760.0
EAF	93.4	93.2	95.0
POH	336.0	492.2	336.0
FOH + EFOH	22.7	11.4	11.6
MOH + EMOH	222.2	96.1	97.9
POF	3.8	5.6	3.8
EFOF	0.3	0.1	0.1
EMOF	2.5	1.1	1.1
	10.000	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 336}{8760 - 492.2} \times (11.4 + 96.1) = 109.5$$

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

$$100 - 3.8 - \frac{109.5}{8760.0} \times 100 = 95.0$$

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. 2
JANUARY 2009 - DECEMBER 2009

WEIGHTING FACTOR = 0.70%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8,760.0	8,760.0	8,760.0
EAF	94.1	92.0	94.8
POH	336.0	589.7	336.0
FOH + EFOH	69.5	42.5	43.8
MOH + EMOH	108.7	72.5	74.8
POF	3.8	6.7	3.8
EFOF	0.8	0.5	0.5
EMOF	1.2	0.8	0.9
	10.000	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 336}{8760 - 589.7} \times (42.5 + 72.5) = 118.6$$

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

$$100 - 3.8 - \frac{118.6}{8760.0} \times 100 = 94.8$$

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 2009 - DECEMBER 2009

WEIGHTING FACTOR = 4.51%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,774.4	10,663.0
NET GENERATION (GWH)	2,430.9	1,789.6
OPERATING BTU (10^9)	25,944.7	19,083.2
NET OUTPUT FACTOR	90.9	78.3

10.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-20.7) + 12655.45 = ANOHR

		*78.3 * (-20.7) + 12655.45*	=	*11,034.5*	
10,663.0	-	11,034.5	=	-371.5	
10,774.4	+	-371.5	=	10,403	← 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 2009 - DECEMBER 2009

WEIGHTING FACTOR = 3.29%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,396.2	10,329.0
NET GENERATION (GWH)	1,883.3	1,158.8
OPERATING BTU (10^9)	19,846.5	11,969.6
NET OUTPUT FACTOR	90.5	78.5

8.235 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-15.53) + 11801.55 = ANOHR

		78.5 * (-15.53) + 11801.55	=	10,582.2	
10,329.0	-	10,582.2	=	-253.2	
10,396.2	+	-253.2	=	10,143	← 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 2009 - DECEMBER 2009

WEIGHTING FACTOR = 3.42%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,751.1	10,517.0
NET GENERATION (GWH)	1,855.9	2,535.9
OPERATING BTU (10^9)	19,792.7	26,671.7
NET OUTPUT FACTOR	77.3	88.5

2.434 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-9.52) + 11486.81 = ANOHR

88.5 * (-9.52) + 11486.81 = 10,644.6

10,517.0 - 10,644.6 = -127.6

10,751.1 + -127.6 = 10,623 ← 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 2009 - DECEMBER 2009

WEIGHTING FACTOR = 7.11%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,598.2	10,574.0
NET GENERATION (GWH)	2,560.1	2,825.5
OPERATING BTU (10^9)	27,836.7	29,876.4
NET OUTPUT FACTOR	90.1	88.7

0.586 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-50.42) + 15143.53 = ANOHR

88.7 * (-50.42) + 15143.53 = 10,671.1

10,574.0 - 10,671.1 = -97.1

10,598.2 + -97.1 = 10,501 ← 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 2009 - DECEMBER 2009

WEIGHTING FACTOR = 10.81%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10,707.4	10,494.0
NET GENERATION (GWH)	1,579.3	1,337.8
OPERATING BTU (10^9)	16,946.8	14,039.5
NET OUTPUT FACTOR	86.9	89.3

0.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-104.96) + 19824.38 = ANOHR

89.3 * (-104.96) + 19824.38 = 10,451.8

10,494.0 - 10,451.8 = 42.2

10,707.4 + 42.2 = 10,750 ← 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 2009 - DECEMBER 2009

WEIGHTING FACTOR = 9.06%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	7,264.2	7,274.0
NET GENERATION (GWH)	4,653.5	3,486.6
OPERATING BTU (10^9)	34,072.8	25,362.3
NET OUTPUT FACTOR	84.4	75.2

0.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-5.07) + 7691.72 = ANOHR

75.2 * (-5.07) + 7691.72 = 7,310.7

7,274.0 - 7,310.7 = -36.7

7,264.2 + -36.7 = 7,227 ← 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 2009 - DECEMBER 2009

WEIGHTING FACTOR = 8.76%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	7,377.8	7,353.0
NET GENERATION (GWH)	4,574.0	4,781.8
OPERATING BTU (10^9)	33,844.4	35,160.9
NET OUTPUT FACTOR	77.7	76.2

0.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-2.71) + 7588.65 = ANOHR

		76.2 * (-2.71) + 7588.65	=	7,381.9	
7,353.0	-	7,381.9	=	-28.9	
7,377.8	+	-28.9	=	7,349	← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

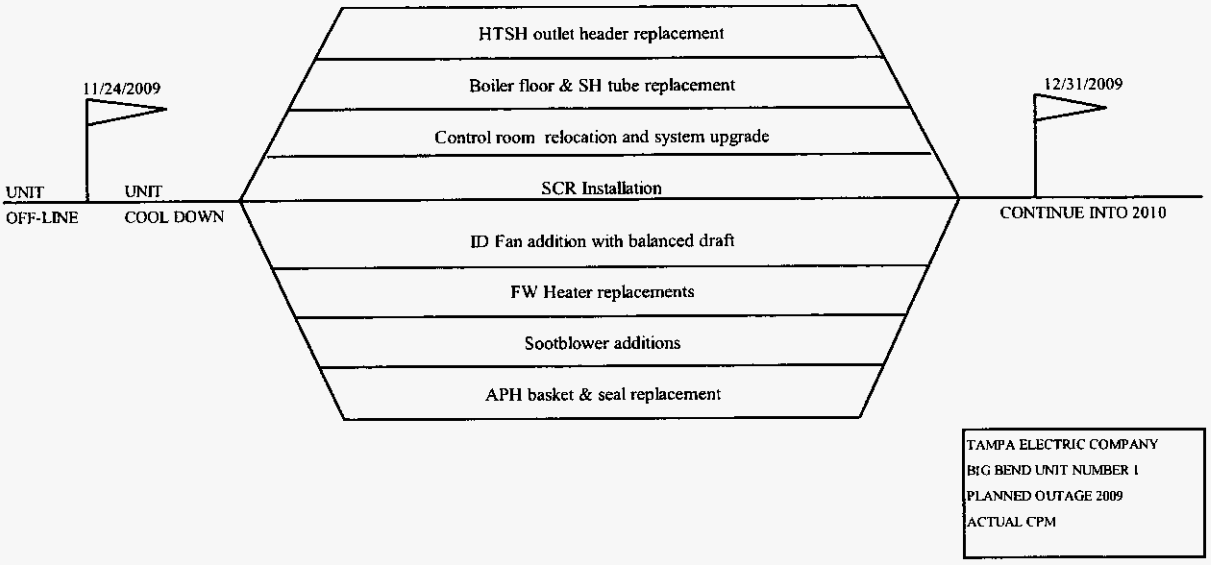
ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE - ACTUAL
GPIF UNITS
JANUARY 2009 - DECEMBER 2009

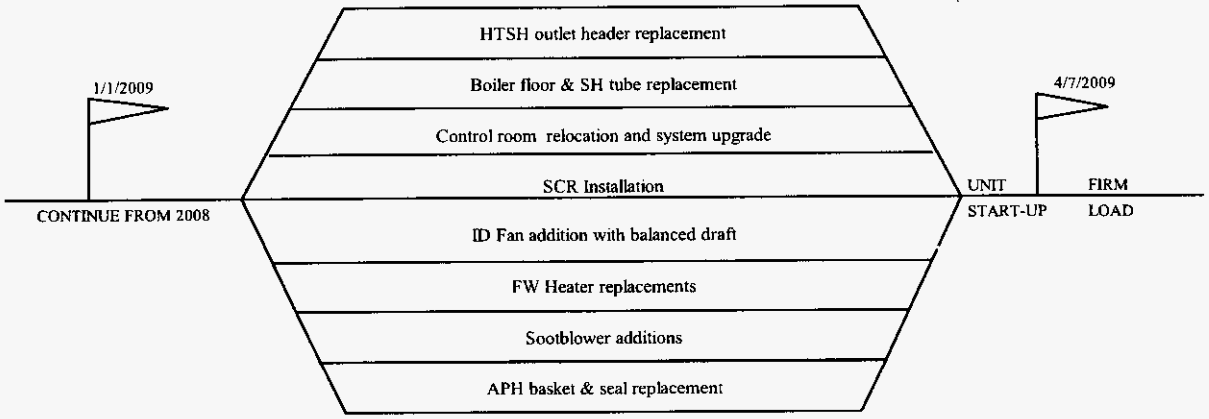
	PLANT / UNIT	PLANNED OUTAGE DATES			OUTAGE DESCRIPTION
+	BIG BEND 1	Nov 24	-	Dec 31	SCR Conversion Outage that included the following: control system replacement and relocation, boiler floor and SH tube replacement, HTSH outlet header replacement, sootblower additions, slag tank neck & roof replacement, APH basket and seal replacement, CWP rebuilds, ID Fan installation, FW heater replacements, turbine valve repairs and BFPT pump element replacement
+	BIG BEND 2	Jan 01	-	Apr 07	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 and BFPT pump element replacement
	BIG BEND 3	Apr 30	-	May 10	Spring Fuel System Clean-up
		Sep 28	-	Oct 06	Fall Fuel System Clean-up
	BIG BEND 4	Mar 25	-	Apr 11	Spring Fuel System Clean-up
+	POLK 1	Feb 01	-	Mar 22	SAP Absorber Tower Inspection, CSC Retube, Gasifier Refractory, Major Inspection - ST & CT, SAP Converter Catalyst, ASU MAC Inspection, Mill Liner Replacement and COS Hyd. Catalyst
	BAYSIDE 1	Apr 28	-	May 04	Spring Fuel System Clean-up
		Dec 05	-	Dec 13	Fall Fuel System Clean-up
	BAYSIDE 2	Apr 11	-	Apr 18	Spring Fuel System Clean-up
		Nov 11	-	Nov 22	Fall Fuel System Clean-up

+ **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 2009 - DECEMBER 2009

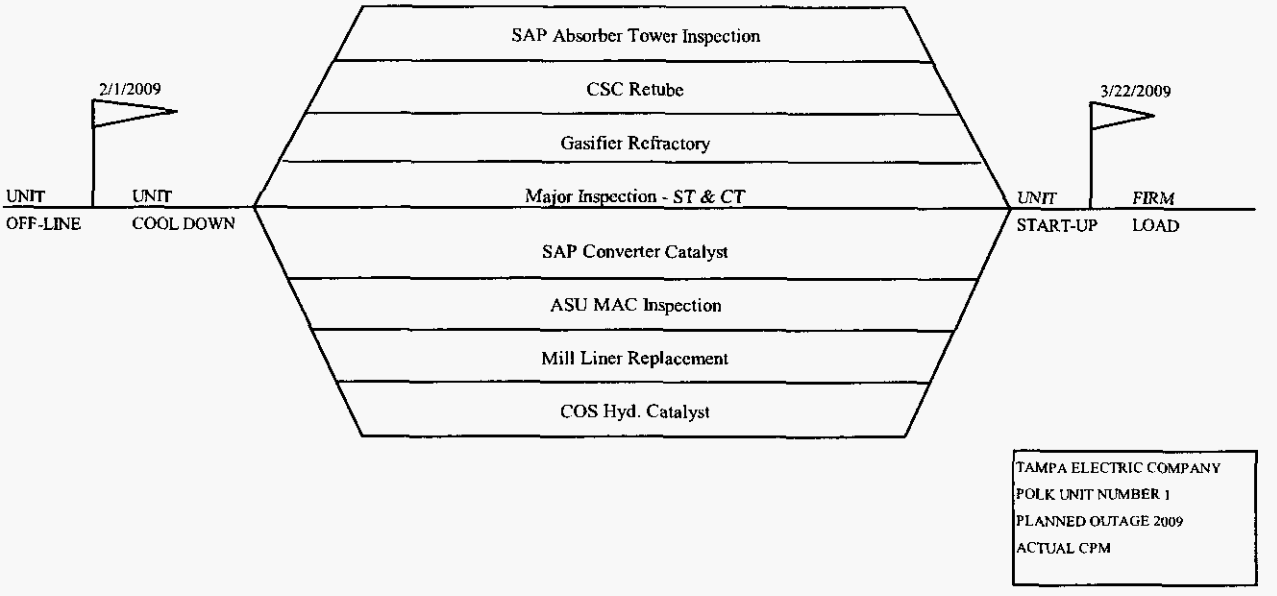


TAMPA ELECTRIC COMPANY
BIG BEND UNIT NUMBER 1
PLANNED OUTAGE 2009
ACTUAL CPM



TAMPA ELECTRIC COMPANY
BIG BEND UNIT NUMBER 2
PLANNED OUTAGE 2009
ACTUAL CPM

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2009 - DECEMBER 2009



TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2009 - DECEMBER 2009

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	5,381.6	76.6	+10	2,730.6	10,472
+9	4,843.4	76.2	+9	2,457.5	10,495
+8	4,305.3	75.8	+8	2,184.5	10,518
+7	3,767.1	75.4	+7	1,911.4	10,540
+6	3,229.0	75.0	+6	1,638.4	10,563
+5	2,690.8	74.6	+5	1,365.3	10,586
+4	2,152.6	74.1	+4	1,092.2	10,608
+3	1,614.5	73.7	+3	819.2	10,631
+2	1,076.3	73.3	+2	546.1	10,654
+1	538.2	72.9	+1	273.1	10,677
					10,699
0	0.0	72.5	0	0.0	10,774
					10,849
-1	(1,360.7)	71.7	-1	(273.1)	10,872
-2	(2,721.4)	70.9	-2	(546.1)	10,895
-3	(4,082.1)	70.0	-3	(819.2)	10,918
-4	(5,442.8)	69.2	-4	(1,092.2)	10,940
-5	(6,803.5)	68.4	-5	(1,365.3)	10,963
-6	(8,164.2)	67.6	-6	(1,638.4)	10,986
-7	(9,524.9)	66.8	-7	(1,911.4)	11,009
-8	(10,885.6)	65.9	-8	(2,184.5)	11,031
-9	(12,246.3)	65.1	-9	(2,457.5)	11,054
-10	(13,607.0)	64.3	-10	(2,730.6)	11,077

EAF POINTS -10.000

Adjusted EAF 58.7

AHR POINTS 10.000

Adjusted ANOHR 10,403

Weighting Factor = 8.90%

Weighting Factor = 4.51%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2009 - DECEMBER 2009

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	4,256.1	60.0	+10	1,990.2	10,105
+9	3,830.5	59.6	+9	1,791.1	10,126
+8	3,404.9	59.2	+8 ← **AHR POINTS 8.235**	1,592.1	**Adjusted ANOHR 10,143** → 10,148
+7	2,979.3	58.8	+7	1,393.1	10,170
+6	2,553.7	58.4	+6	1,194.1	10,191
+5	2,128.1	58.1	+5	995.1	10,213
+4	1,702.4	57.7	+4	796.1	10,235
+3	1,276.8	57.3	+3	597.0	10,256
+2	851.2	56.9	+2	398.0	10,278
+1	425.6	56.5	+1	199.0	10,300
					10,321
0	0.0	56.1	0	0.0	10,396
					10,471
-1	(1,074.4)	55.3	-1	(199.0)	10,493
-2	(2,148.8)	54.6	-2	(398.0)	10,514
-3	(3,223.2)	53.8	-3	(597.0)	10,536
-4	(4,297.6)	53.0	-4	(796.1)	10,558
-5	(5,371.9)	52.2	-5	(995.1)	10,579
-6	(6,446.3)	51.5	-6	(1,194.1)	10,601
-7	(7,520.7)	50.7	-7	(1,393.1)	10,623
-8	(8,595.1)	49.9	-8	(1,592.1)	10,644
-9 **EAF POINTS -10.000**	(9,669.5)	**Adjusted EAF 33.8** 49.1	-9	(1,791.1)	10,666
-10 ←	(10,743.9)	48.4 →	-10	(1,990.2)	10,688
Weighting Factor =		7.04%	Weighting Factor =		3.29%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2009 - DECEMBER 2009

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	EAF POINTS 10.000	13,438.2	Adjusted EAF 79.8	62.9	+10		2,071.3		10,458
+9		12,094.4		62.0	+9		1,864.2		10,480
+8		10,750.6		61.2	+8		1,657.0		10,502
+7		9,406.7		60.3	+7		1,449.9		10,523
+6		8,062.9		59.5	+6		1,242.8		10,545
+5		6,719.1		58.6	+5		1,035.7		10,567
+4		5,375.3		57.8	+4		828.5		10,589
+3		4,031.5		56.9	+3	AHR POINTS 2.434	621.4	Adjusted ANOHR 10,623	10,611
+2		2,687.6		56.0	+2		414.3		10,632
+1		1,343.8		55.2	+1		207.1		10,654
									10,676
0		0.0		54.3	0		0.0		10,751
									10,826
-1		(3,461.4)		52.6	-1		(207.1)		10,848
-2		(6,922.8)		50.9	-2		(414.3)		10,870
-3		(10,384.2)		49.2	-3		(621.4)		10,892
-4		(13,845.6)		47.5	-4		(828.5)		10,913
-5		(17,307.0)		45.8	-5		(1,035.7)		10,935
-6		(20,768.4)		44.1	-6		(1,242.8)		10,957
-7		(24,229.8)		42.4	-7		(1,449.9)		10,979
-8		(27,691.2)		40.6	-8		(1,657.0)		11,001
-9		(31,152.6)		38.9	-9		(1,864.2)		11,023
-10		(34,614.0)		37.2	-10		(2,071.3)		11,044

Weighting Factor = 22.22%

Weighting Factor = 3.42%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2009 - DECEMBER 2009

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	6,305.2	71.7	+10	4,299.7	10,144
+9	5,674.7	71.2	+9	3,869.7	10,182
+8	5,044.2	70.8	+8	3,439.7	10,220
+7	4,413.6	70.4	+7	3,009.8	10,258
+6	3,783.1	70.0	+6	2,579.8	10,296
+5	3,152.6	69.6	+5	2,149.8	10,334
+4	2,522.1	69.1	+4	1,719.9	10,372
+3	1,891.6	68.7	+3	1,289.9	10,410
+2	1,261.0	68.3	+2	859.9	10,447
+1	630.5	67.9	+1	430.0	10,485
					10,523
0	0.0	67.5	0	0.0	10,598
					10,673
-1	(1,545.3)	66.6	-1	(430.0)	10,711
-2	(3,090.6)	65.8	-2	(859.9)	10,749
-3	(4,636.0)	64.9	-3	(1,289.9)	10,787
-4	(6,181.3)	64.1	-4	(1,719.9)	10,825
-5	(7,726.6)	63.3	-5	(2,149.8)	10,863
-6	(9,271.9)	62.4	-6	(2,579.8)	10,900
-7	(10,817.2)	61.6	-7	(3,009.8)	10,938
-8	(12,362.6)	60.7	-8	(3,439.7)	10,976
-9	(13,907.9)	59.9	-9	(3,869.7)	11,014
-10	(15,453.2)	59.1	-10	(4,299.7)	11,052

EAF POINTS 7.696

Adjusted EAF 70.7

AHR POINTS 0.586

Adjusted ANOHR 10,501

Weighting Factor = 10.42%

Weighting Factor = 7.11%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2009 - DECEMBER 2009

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	1,866.1	82.3	+10	6,540.5	9,955
+9	1,679.5	82.1	+9	5,886.4	10,022
+8	1,492.9	81.8	+8	5,232.4	10,090
+7	1,306.3	81.5	+7	4,578.3	10,158
+6	1,119.7	81.3	+6	3,924.3	10,226
+5	933.1	81.0	+5	3,270.2	10,294
+4	746.4	80.8	+4	2,616.2	10,361
+3	559.8	80.5	+3	1,962.1	10,429
+2	373.2	80.2	+2	1,308.1	10,497
+1	186.6	80.0	+1	654.0	10,565
					10,632
0	0.0	79.7	0	0.0	10,707
					10,782
-1	(452.6)	79.2	-1	(654.0)	10,850
-2	(905.3)	78.7	-2	(1,308.1)	10,918
-3	(1,357.9)	78.1	-3	(1,962.1)	10,986
-4	(1,810.5)	77.6	-4	(2,616.2)	11,054
-5	(2,263.1)	77.1	-5	(3,270.2)	11,121
-6	(2,715.8)	76.6	-6	(3,924.3)	11,189
-7	(3,168.4)	76.1	-7	(4,578.3)	11,257
-8	(3,621.0)	75.6	-8	(5,232.4)	11,325
-9	(4,073.7)	75.1	-9	(5,886.4)	11,392
-10	(4,526.3)	74.6	-10	(6,540.5)	11,460

EAF POINTS 2.291 ← | → **Adjusted EAF 80.3**

← **AHR POINTS 0.000** | → **Adjusted ANOHR 10,750**

Weighting Factor = 3.09%

Weighting Factor = 10.81%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2009 - DECEMBER 2009

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**	405.7	**Adjusted EAF 95.0**	94.1	+10		5,480.0		7,163
+9		365.1		94.0	+9		4,932.0		7,165
+8		324.6		94.0	+8		4,384.0		7,168
+7		284.0		93.9	+7		3,836.0		7,171
+6		243.4		93.8	+6		3,288.0		7,173
+5		202.9		93.7	+5		2,740.0		7,176
+4		162.3		93.7	+4		2,192.0		7,179
+3		121.7		93.6	+3		1,644.0		7,181
+2		81.1		93.5	+2		1,096.0		7,184
+1		40.6		93.4	+1		548.0		7,187
						AHR POINTS 0.000		**Adjusted ANOHR 7,227**	7,189
0		0.0		93.4	0		0.0		7,264
									7,339
-1		(119.1)		93.2	-1		(548.0)		7,342
-2		(238.2)		93.1	-2		(1,096.0)		7,345
-3		(357.3)		92.9	-3		(1,644.0)		7,347
-4		(476.4)		92.8	-4		(2,192.0)		7,350
-5		(595.4)		92.6	-5		(2,740.0)		7,352
-6		(714.5)		92.5	-6		(3,288.0)		7,355
-7		(833.6)		92.3	-7		(3,836.0)		7,358
-8		(952.7)		92.2	-8		(4,384.0)		7,360
-9		(1,071.8)		92.0	-9		(4,932.0)		7,363
-10		(1,190.9)		91.9	-10		(5,480.0)		7,366

Weighting Factor = 0.67%

Weighting Factor = 9.06%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2009 - DECEMBER 2009

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	**EAF POINTS 10.000**	423.0	**Adjusted EAF 94.8**	94.7	+10		5,298.9		7,277
+9		380.7		94.7	+9		4,769.0		7,279
+8		338.4		94.6	+8		4,239.1		7,282
+7		296.1		94.5	+7		3,709.3		7,285
+6		253.8		94.5	+6		3,179.4		7,287
+5		211.5		94.4	+5		2,649.5		7,290
+4		169.2		94.4	+4		2,119.6		7,292
+3		126.9		94.3	+3		1,589.7		7,295
+2		84.6		94.2	+2		1,059.8		7,298
+1		42.3		94.2	+1		529.9		7,300
						AHR POINTS 0.000		**Adjusted ANOHR 7,349**	7,303
0		0.0		94.1	0		0.0		7,378
									7,453
-1		(120.8)		94.0	-1		(529.9)		7,455
-2		(241.6)		93.9	-2		(1,059.8)		7,458
-3		(362.5)		93.8	-3		(1,589.7)		7,461
-4		(483.3)		93.7	-4		(2,119.6)		7,463
-5		(604.1)		93.5	-5		(2,649.5)		7,466
-6		(724.9)		93.4	-6		(3,179.4)		7,468
-7		(845.7)		93.3	-7		(3,709.3)		7,471
-8		(966.6)		93.2	-8		(4,239.1)		7,474
-9		(1,087.4)		93.1	-9		(4,769.0)		7,476
-10		(1,208.2)		92.9	-10		(5,298.9)		7,479

Weighting Factor = 0.70%

Weighting Factor = 8.76%

TAMPA ELECTRIC COMPANY
COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 09 - DEC 09 POF	TARGET PERIOD JAN 09 - DEC 09 EUOF	TARGET PERIOD JAN 09 - DEC 09 EUOR	ACTUAL PERFORMANCE JAN 09 - DEC 09 POF	ACTUAL PERFORMANCE JAN 09 - DEC 09 EUOF	ACTUAL PERFORMANCE JAN 09 - DEC 09 EUOR
BIG BEND 1	8.90%	16.8%	9.3	18.2	20.0	14.0	30.3	35.3
BIG BEND 2	7.04%	13.3%	32.6	11.3	16.7	26.5	36.7	49.9
BIG BEND 3	22.22%	41.9%	3.8	41.8	43.5	5.0	16.2	17.0
BIG BEND 4	10.42%	19.7%	15.3	17.2	20.3	4.8	15.7	16.5
POLK 1	3.09%	5.8%	9.8	10.6	11.7	14.1	9.4	12.7
BAYSIDE 1	0.67%	1.3%	3.8	2.8	2.9	5.6	1.2	1.7
BAYSIDE 2	0.70%	1.3%	3.8	2.0	2.1	6.7	1.3	1.7
GPIF SYSTEM	**53.03%**	**100.0%**	**11.2**	**26.1**	**28.5**	**9.9**	**20.4**	**23.7**

GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%) **62.7** **69.7**

3 PERIOD AVERAGE POF	3 PERIOD AVERAGE EUOF	3 PERIOD AVERAGE EUOR	3 PERIOD AVERAGE EAF
9.4	**27.7**	**30.7**	**63.0**

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET HEAT RATE JAN 09 - DEC 09	ADJUSTED ACTUAL HEAT RATE JAN 09 - DEC 09
BIG BEND 1	4.51%	9.6%	10,774	10,403
BIG BEND 2	3.29%	7.0%	10,396	10,143
BIG BEND 3	3.42%	7.3%	10,751	10,623
BIG BEND 4	7.11%	15.1%	10,598	10,501
POLK 1	10.81%	23.0%	10,707	10,750
BAYSIDE 1	9.06%	19.3%	7,264	7,227
BAYSIDE 2	8.76%	18.7%	7,378	7,349
GPIF SYSTEM	**46.97%**	**100.0%**		

GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh) **9,394** **9,313**

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
JANUARY 2009 - DECEMBER 2009

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 =	8.90%	*	-10.000	+	7.04%	*	-10.000	+	22.22%	*	10.000
+	10.42%	*	7.696	+	3.09%	*	2.291	+	0.67%	*	10.000
+	0.70%	*	10.000	+	4.51%	*	10.000	+	3.29%	*	8.235
+	3.42%	*	2.434	+	7.11%	*	0.586	+	10.81%	*	0.000
+	9.06%	*	0.000	+	8.76%	*	0.000				

GPIP =	-0.890	+	-0.704	+	2.222
+	0.802	+	0.071	+	0.067
+	0.070	+	0.451	+	0.271
+	0.083	+	0.042	+	0.000
+	0.000	+	0.000		

GPIP = 2.486 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 = $1,830,855

DOCKET NO. 100001-EI
GPIF 2009 FINAL TRUE-UP
EXHIBIT NO. ___ (BSB-1)
DOCUMENT NO. 2

EXHIBIT TO THE TESTIMONY OF

BRIAN S. BUCKLEY

DOCKET NO. 100001-EI

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2009 - DECEMBER 2009

TRUE-UP

DOCUMENT NO. 2

ACTUAL UNIT PERFORMANCE DATA

ORIGINAL SHEET NO. 8.401.08A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2009 - DECEMBER 2009

PLANT/UNIT													PERIOD
BIG BEND 1	JAN 09	FEB 09	MAR 09	APR 09	MAY 09	JUN 09	JUL 09	AUG 09	SEP 09	OCT 09	NOV 09	DEC 09	2009
1. EAF (%)	89.9	67.9	53.8	56.6	51.3	62.1	47.5	64.8	66.8	71.0	36.2	0.0	55.7
2. PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,760.0
3. SH	680.8	464.7	422.1	448.5	545.9	646.3	497.2	601.1	536.4	653.8	470.7	0.0	5,967.6
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	63.2	207.3	320.9	271.5	198.1	73.7	246.8	142.9	183.6	90.2	250.3	744.0	2,792.4
6. POH	0.0	0.0	308.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175.9	744.0	1,228.6
7. FOH	54.6	11.3	12.1	103.0	0.0	35.5	246.8	0.0	0.0	5.2	74.4	0.0	542.9
8. MOH	8.6	196.0	0.0	168.5	198.1	38.3	0.0	142.9	183.6	85.0	0.0	0.0	1,020.9
9. PFOH	120.4	68.9	87.0	124.2	545.7	646.1	496.5	600.4	536.3	654.7	469.5	0.0	4,349.7
10. LR PF (MW)	37.7	49.1	87.0	125.4	114.2	117.0	109.9	75.2	39.4	72.8	169.4	0.0	95.9
11. PMOH	0.0	0.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2
12. LR PM (MW)	0.0	0.0	136.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136.8
13. NSC (MW)	389	389	389	379	379	379	379	379	379	379	379	395	383
14. OPR BTU(GBTU)	2,602.5	1,838.4	1,603.4	1,476.2	1,532.7	1,765.0	1,384.5	1,948.7	1,837.6	2,070.8	1,023.4	0.0	19,083.2
15. NET GEN (MWH)	245,980	173,435	150,259	139,194	143,844	165,385	132,014	178,068	174,393	191,261	95,820	(5)	1,789,648
16. ANOHR (BTU/KWH)	10,580.0	10,599.7	10,671.2	10,605.6	10,655.6	10,672.0	10,487.2	10,943.8	10,537.0	10,826.9	10,680.5	0.0	10,663.0
17. NOF (%)	92.9	95.9	91.5	82.1	69.5	67.5	70.1	78.2	85.8	77.2	53.8	0.0	78.3
18. NPC (MW)	389	389	389	379	379	379	379	379	379	379	379	395	383
19. ANOHR EQUATION	ANOHR = NOF		-20.702	) +	12,655.453								

EXHIBIT NO. ____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 100001 - EI
DOCUMENT NO. 2
PAGE 1 OF 7

ORIGINAL SHEET NO. 8.401.08A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2009 - DECEMBER 2009

PLANT/UNIT													PERIOD
BIG BEND 2	JAN 09	FEB 09	MAR 09	APR 09	MAY 09	JUN 09	JUL 09	AUG 09	SEP 09	OCT 09	NOV 09	DEC 09	2009
1. EAF (%)	0.0	0.0	0.0	32.9	18.0	27.8	0.0	38.7	89.5	75.0	89.0	70.8	36.8
2. PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,760.0
3. SH	0.0	0.0	0.0	331.9	145.2	217.8	0.0	365.3	710.7	661.6	717.9	711.5	3,862.0
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	744.0	672.0	743.0	388.1	598.8	502.2	744.0	378.7	9.3	82.4	3.1	32.5	4,898.0
6. POH	744.0	672.0	743.0	161.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,320.7
7. FOH	0.0	0.0	0.0	223.9	598.8	312.3	744.0	323.4	9.3	0.0	3.1	32.5	2,247.2
8. MOH	0.0	0.0	0.0	2.5	0.0	189.9	0.0	55.3	0.0	82.4	0.0	0.0	330.1
9. PFOH	0.0	0.0	0.0	0.0	131.5	107.8	0.0	292.4	254.7	448.4	272.1	538.9	2,045.9
10. LR PF (MW)	0.0	0.0	0.0	0.0	24.5	61.9	0.0	102.3	99.9	88.6	107.4	135.4	101.3
11. PMOH	0.0	0.0	0.0	281.1	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	294.6
12. LR PM (MW)	0.0	0.0	0.0	125.7	69.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	123.2
13. NSC (MW)	383	383	383	373	373	373	385	385	385	385	385	395	382
14. OPR BTU(GBTU)	0.0	0.0	0.0	689.4	525.9	690.5	0.0	1,073.6	2,447.4	2,167.7	2,372.1	2,003.1	11,969.6
15. NET GEN (MWH)	0	0	0	64,956	48,932	67,206	0	103,535	237,042	207,968	235,300	193,864	1,158,803
16. ANOHR (BTU/KWH)	0.0	0.0	0.0	10,612.7	10,746.6	10,274.8	0.0	10,369.7	10,324.8	10,423.1	10,081.0	10,332.3	10,329.0
17. NOF (%)	0.0	0.0	0.0	52.6	90.3	82.7	0.0	73.6	86.6	81.7	85.3	69.0	78.5
18. NPC (MW)	383	383	383	373	373	373	385	385	385	385	385	395	382
19. ANOHR EQUATION	ANOHR = NOF	-15.533	) +	11,801.548									

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2009 - DECEMBER 2009

PLANT/UNIT BIG BEND 3	JAN 09	FEB 09	MAR 09	APR 09	MAY 09	JUN 09	JUL 09	AUG 09	SEP 09	OCT 09	NOV 09	DEC 09	PERIOD 2009
1. EAF (%)	83.4	90.6	90.2	88.5	63.4	63.7	87.0	83.1	83.2	62.6	75.5	75.5	78.8
2. PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,760.0
3. SH	677.2	639.6	743.0	696.0	511.6	468.7	700.8	659.3	640.8	538.8	586.6	602.8	7,465.2
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	66.8	32.5	0.0	24.0	232.4	251.4	43.2	84.7	79.2	205.2	134.4	141.2	1,294.8
6. POH	0.0	0.0	0.0	0.0	232.4	0.0	0.0	0.0	69.8	139.2	0.0	0.0	441.4
7. FOH	66.8	32.5	0.0	0.0	0.0	1.4	0.0	19.4	9.4	66.0	134.4	141.2	470.9
8. MOH	0.0	0.0	0.0	24.0	0.0	250.0	43.2	65.3	0.0	0.0	0.0	0.0	382.5
9. PFOH	526.3	635.3	739.1	694.8	351.7	32.8	400.5	659.1	640.6	539.5	585.4	497.2	6,302.3
10. LR PF (MW)	42.0	19.1	38.6	32.3	43.7	114.4	51.2	23.6	24.8	51.8	27.7	31.8	34.3
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)	391	391	391	381	381	381	381	381	381	381	381	385	384
14. OPR BTU(GBTU)	2,463.0	2,420.4	2,710.5	2,464.4	1,863.7	1,659.5	2,392.5	2,363.3	2,248.1	1,886.5	1,972.7	2,227.1	26,671.7
15. NET GEN (MWH)	231,860	230,929	255,422	231,470	177,368	155,214	238,411	225,958	215,507	171,210	190,897	211,703	2,535,949
16. ANOHR BTU/KWH	10,622.6	10,481.0	10,612.0	10,646.6	10,507.5	10,691.8	10,035.0	10,458.8	10,431.8	11,018.7	10,333.9	10,520.2	10,517.0
17. NOF (%)	87.6	92.3	87.9	87.4	91.0	86.9	89.3	90.0	88.3	83.4	85.6	91.2	88.5
18. NPC (MW)	391	391	391	381	381	381	381	381	381	381	381	385	384
19. ANOHR EQUATION	ANOHR = NOF	-9.516	) +	11,486.812									

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ACTUAL UNIT PERFORMANCE DATA

JANUARY 2009 - DECEMBER 2009

PLANT/UNIT													PERIOD
BIG BEND 4	JAN 09	FEB 09	MAR 09	APR 09	MAY 09	JUN 09	JUL 09	AUG 09	SEP 09	OCT 09	NOV 09	DEC 09	2009
1. EAF (%)	71.9	70.6	66.0	63.9	90.4	93.5	93.1	78.1	95.0	61.4	96.5	74.2	79.5
2. PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,760.0
3. SH	584.9	504.7	580.2	465.7	738.6	720.0	744.0	642.8	720.0	568.4	705.4	605.0	7,579.7
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	159.1	167.3	162.8	254.3	5.4	0.0	0.0	101.2	0.0	175.6	15.6	139.1	1,180.3
6. POH	0.0	0.0	162.8	253.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	416.2
7. FOH	0.0	167.3	0.0	0.9	5.4	0.0	0.0	0.0	0.0	175.6	15.6	139.1	503.8
8. MOH	159.1	0.0	0.0	0.0	0.0	0.0	0.0	101.2	0.0	0.0	0.0	0.0	260.3
9. PFOH	584.6	275.9	362.7	60.5	345.4	341.8	351.7	552.5	471.0	392.4	180.7	600.0	4,519.2
10. LR PF (MW)	36.6	46.4	106.1	40.9	79.9	57.1	61.0	46.8	32.2	118.3	23.0	37.8	57.1
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. NSC (MW)	427	427	427	417	417	417	417	417	417	417	417	427	420
14. OPR BTU(GBTU)	2,351.7	2,118.7	2,246.8	1,909.6	2,856.8	2,891.9	3,004.1	2,533.5	2,918.6	1,948.1	2,805.2	2,291.4	29,876.4
15. NET GEN (MWH)	226,555	202,922	216,716	183,763	267,108	271,698	282,653	235,523	267,890	179,046	270,533	221,130	2,825,537
16. ANOHR BTU/KWH	10,380.3	10,441.1	10,367.4	10,391.7	10,695.3	10,643.9	10,628.1	10,756.8	10,894.9	10,880.4	10,369.1	10,362.2	10,574.0
17. NOF (%)	90.7	94.2	87.5	94.6	86.7	90.5	91.1	87.9	89.2	75.5	92.1	85.6	88.7
18. NPC (MW)	427	427	427	417	417	417	417	417	417	417	417	427	420
19. ANOHR EQUATION	ANOHR = NOF	-50.422	) +	15,143.530									

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ACTUAL UNIT PERFORMANCE DATA

JANUARY 2009 - DECEMBER 2009

PLANT/UNIT													PERIOD
POLK 1	JAN 09	FEB 09	MAR 09	APR 09	MAY 09	JUN 09	JUL 09	AUG 09	SEP 09	OCT 09	NOV 09	DEC 09	2009
1. EAF (%)	86.0	1.5	19.6	90.6	82.8	91.5	95.1	81.9	91.6	95.1	84.9	91.6	76.5
2. PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,760.0
3. SH	724.8	11.0	112.8	647.5	314.0	563.8	744.0	628.3	667.4	744.0	510.3	670.2	6,338.0
4. RSH	18.2	0.0	61.6	51.0	397.2	156.2	0.0	18.8	52.6	0.0	169.9	73.8	999.1
5. UH	1.1	661.0	568.6	21.6	32.8	0.0	0.0	96.9	0.0	0.0	40.9	0.0	1,422.9
6. POH	0.0	661.0	537.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.8	0.0	1,232.4
7. FOH	1.1	0.0	0.0	21.6	32.8	0.0	0.0	96.9	0.0	0.0	0.0	0.0	152.4
8. MOH	0.0	0.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	38.1
9. PFOH	2,278.0	12.6	296.6	779.7	1,117.8	894.4	744.0	689.1	836.3	745.0	870.0	948.2	10,211.5
10. LR PF (MW)	10.9	20.1	23.5	14.0	20.0	16.1	11.6	13.0	16.9	11.6	18.3	15.5	14.7
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) **	240	240	240	235	235	235	235	235	235	235	235	235	236
14. OPR BTU(GBTU)	1,609.2	23.7	231.7	1,475.9	710.3	1,237.0	1,643.1	1,447.0	1,405.6	1,648.1	1,143.2	1,464.8	14,039.5
15. NET GEN (MWH)	154,223	(1,570)	7,898	138,715	63,893	121,469	166,189	133,086	134,570	165,179	109,235	144,925	1,337,813
16. ANOHR BTU/KWH	10,434.3	0.0	29,339.7	10,639.5	11,116.5	10,183.7	9,887.1	10,872.3	10,445.2	9,977.5	10,465.3	10,107.3	10,494.0
17. NOF (%)	88.7	0.0	29.2	91.3	86.6	91.7	95.1	90.1	85.8	94.5	91.3	92.0	89.3
18. NPC (MW) **	240	240	240	235	235	235	235	235	235	235	235	235	236
19. ANOHR EQUATION	ANOHR = NOF	-104.957	) +	19,824.384									

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ACTUAL UNIT PERFORMANCE DATA

JANUARY 2009 - DECEMBER 2009

PLANT/UNIT													PERIOD
BAYSIDE UNIT 1	JAN 09	FEB 09	MAR 09	APR 09	MAY 09	JUN 09	JUL 09	AUG 09	SEP 09	OCT 09	NOV 09	DEC 09	2009
1. EAF (%)	99.0	100.0	100.0	86.7	84.3	98.6	97.8	98.8	99.4	99.3	88.0	66.5	93.2
2. PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,760.0
3. SH	354.0	509.6	577.8	515.8	546.2	633.4	652.6	628.2	574.3	547.2	471.1	328.3	6,338.8
4. RSH	382.9	162.4	165.2	108.6	80.9	76.7	74.8	106.8	141.6	192.0	163.5	166.4	1,821.5
5. UH	7.1	0.0	0.0	95.6	116.9	9.9	16.6	9.0	4.1	4.7	86.4	249.4	599.7
6. POH	0.0	0.0	0.0	86.0	99.7	0.0	0.0	0.0	0.0	0.0	57.1	249.4	492.2
7. FOH	0.0	0.0	0.0	2.3	4.9	0.4	0.0	0.5	0.0	1.6	1.6	0.0	11.4
8. MOH	7.1	0.0	0.0	7.2	12.3	9.4	16.6	8.4	4.1	3.1	27.7	0.0	96.1
9. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.5
10. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2	0.0	0.0	22.2
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)	1,444.8	2,089.2	2,342.6	2,042.7	2,207.6	2,589.7	2,659.7	2,527.9	2,248.8	2,143.1	1,810.2	1,256.0	25,362.3
15. NET GEN (MWH)	199,963	291,146	323,058	276,103	307,701	360,440	360,854	348,150	308,650	294,567	244,867	171,096	3,486,595
16. ANOHR BTU/KWH	7,225.4	7,175.9	7,251.3	7,398.2	7,174.5	7,184.8	7,370.5	7,261.0	7,285.8	7,275.5	7,392.4	7,341.1	7,274.0
17. NOF (%)	71.3	72.1	70.6	76.4	80.4	81.2	78.9	79.1	76.7	76.8	74.1	65.8	75.2
18. NPC (MW) **	792	792	792	701	701	701	701	701	701	701	701	792	731
19. ANOHR EQUATION	ANOHR = NOF	-5.067	) +	7,691.724									

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ACTUAL UNIT PERFORMANCE DATA

JANUARY 2009 - DECEMBER 2009

PLANT/UNIT													PERIOD
BAYSIDE UNIT 2	JAN 09	FEB 09	MAR 09	APR 09	MAY 09	JUN 09	JUL 09	AUG 09	SEP 09	OCT 09	NOV 09	DEC 09	2009
1. EAF (%)	99.1	99.4	99.2	56.7	98.3	99.4	99.1	97.3	99.4	98.1	59.8	96.8	92.0
2. PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,760.0
3. SH	572.3	536.3	598.1	346.6	636.6	630.1	655.5	616.3	570.4	580.9	182.9	553.8	6,479.9
4. RSH	165.1	131.4	139.1	61.4	94.9	85.6	81.7	107.5	145.0	148.8	248.1	166.8	1,575.4
5. UH	6.6	4.3	5.8	311.9	12.5	4.3	6.8	20.2	4.5	14.3	289.9	23.4	704.7
6. POH	0.0	0.0	0.0	303.8	0.0	0.0	0.0	0.6	0.0	0.0	285.3	0.0	589.7
7. FOH	2.5	1.3	2.1	7.0	3.4	0.6	0.7	3.9	0.0	0.6	4.7	15.7	42.5
8. MOH	4.1	3.0	3.8	1.2	9.0	3.6	6.1	15.7	4.5	13.8	0.0	7.7	72.5
9. PFOH	0.0	0.0	0.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	1.0
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	4.6	0.2
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) **	1,047	1,047	1,047	929	929	929	929	929	929	929	929	1,047	968
14. OPR BTU(GBTU)	2,940.9	2,904.9	3,258.3	1,767.4	3,525.4	3,536.6	3,746.7	3,395.9	3,023.6	3,173.0	930.9	2,957.1	35,160.9
15. NET GEN (MWH)	398,580	396,549	440,154	237,786	485,111	489,222	505,410	461,987	410,121	431,978	121,308	403,638	4,781,843
16. ANOHR BTU/KWH	7,378.5	7,325.5	7,402.7	7,432.9	7,267.2	7,229.1	7,413.3	7,350.7	7,372.5	7,345.4	7,673.5	7,326.2	7,353.0
17. NOF (%)	66.5	70.6	70.3	73.8	82.0	83.6	83.0	80.7	77.4	80.0	71.4	69.6	76.2
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	-2.713	) +	7,588.650									

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TECO
TAMPA ELECTRIC

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 100001-EI
IN RE: FUEL & PURCHASED POWER COST RECOVERY
AND
CAPACITY COST RECOVERY

REDACTED

FINAL TRUE-UP
JANUARY 2009 THROUGH DECEMBER 2009

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 2009 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 2009?

A. As outlined in Tampa Electric's annual Risk Management Plan, most recently filed on April 1, 2010 in Docket No. 100001-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 1, 2010, Tampa Electric filed its annual risk management report, which describes the outcomes of its 2009 risk management activities. The report indicates that Tampa Electric's 2009 hedging activities resulted in a net loss of approximately $184 million. Tampa Electric followed the plan objective of reducing price volatility while maintaining a reliable fuel supply. A dramatic drop in natural gas prices began in the middle of 2008 and continued to decrease due to lower demand as a result of the recession and higher supply from non-

commercial production.

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. Tampa Electric has contracted for pipeline capacity to access the non-conventional shale gas production which is less sensitive to interruption by hurricanes. Tampa Electric also has incremental storage capacity in Bay Gas Storage's new cavern that is currently under development.

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 2009?

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. As previously mentioned, The net result of natural gas hedging activity in 2009 was a loss of approximately $184 million, when the instrument prices were compared to market prices on settled positions.

Q. Did the company use financial hedges for other commodities in 2009?

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 for power 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. In 2009, Tampa Electric added rail delivery capability for coal to Big Bend Station. The addition of rail to the already existing waterborne

transportation methods enhances Tampa Electric's access to coal supply and increases the reliability.

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.