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April 3, 2006

HAND DELIVERED

Ms. Blanca S. Bayo, Director
Division of Commission Clerk
and Administrative Services
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. 060001-EI

Dear Ms. Bayo:

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. Prepared Direct Testimony and Exhibit WAS-1 of William A. Smotherman regarding Generating Performance Incentive Factor True-Up for the period January 2005 through December 2005. 02971-06

2. Prepared Direct Testimony and Exhibit JTW-1 of Joann T. Wehle regarding Tampa Electric company's risk management and hedging activities for the period January 2005 through December 2005. 02972-06

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 and Exhibits of William A. Smotherman and Joann T. Wehle has been furnished by U. S. Mail or hand delivery (*) on this 3rd day of April 2006 to the following:

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ATTORNEY

BEFORE THE

FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 060001-EI

IN RE: FUEL & PURCHASED POWER COST RECOVERY

AND

CAPACITY COST RECOVERY

GENERATING PERFORMANCE INCENTIVE FACTOR

TRUE-UP

JANUARY 2005 THROUGH DECEMBER 2005

TESTIMONY AND EXHIBIT

OF

WILLIAM A. SMOTHERMAN

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

WILLIAM A. SMOTHERMAN

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

A. My name is William A. Smotherman. 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 Resource Planning Department.

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

A. I received a Bachelor of Electrical Engineering degree in 1986 from the University of South Florida. In May 1986, I joined Tampa Electric as an associate engineer, and I have worked in the areas of system planning, commercial/ industrial account management and wholesale power marketing. In February 2001, I was promoted to Director, Resource Planning. My present responsibilities include the areas of system

reliability, generation expansion and system fuel and purchased power forecasting and related economic analyses.

Q. What is the purpose of your testimony?

A. My testimony presents Tampa Electric's actual performance results from unit equivalent availability and station heat rate used to determine the GPIF for the period January 2005 through December 2005. 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, Exhibit No. _____ (WAS-1), consisting of two documents, was prepared under my direction and supervision. Document No. 1, entitled "Tampa Electric Company, Generating Performance Incentive Factor, January 2005 - December 2005, True-up" is consistent with the GPIF Implementation Manual previously approved by the Commission. In addition, Document No. 2 provides the company's Actual Unit Performance Data for the 2005 period.

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

A. Five of the company's units are included. They are Big Bend Station Units 1, 2, 3, and 4 and Polk Station Unit 1.

Q. Have you calculated the results of Tampa Electric's performance under the GPIF during the January 2005 through December 2005 period?

A. Yes, I have. This is shown on Document No. 1, page 4 of 26. Based upon -0.182 GPIF points, the result is a penalty amount of $99,791 for the period.

Q. Please proceed with your review of the actual results for the January 2005 through December 2005 period.

A. On Document No. 1, page 3 of 26, the actual average common equity for the period is shown on line 14 as $1,394,720,154. This produces the maximum penalty or reward amount of $5,479,030 as shown on line 21.

Q. Will you please explain how you arrived at the actual equivalent availability results for the five units

included within the GPIF?

A. Yes. Operating data on 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 equivalent availability results shown on Document No. 1, page 6 of 26, column 2, directly applicable to the GPIF table?

A. No. Adjustments to 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 26. 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, 1344.0 planned outage hours were originally scheduled for 2005. Actual outage activities required

754.6 planned outage hours. Consequently, the actual equivalent availability of 61.0% is adjusted to 56.6% as shown on Document No. 1, page 7 of 26.

Big Bend Unit No. 2

On this unit, 336.0 planned outage hours were originally scheduled for 2005. Actual outage activities required 1399.5 planned outage hours. Consequently, the actual equivalent availability of 64.8% is adjusted to 74.2% as shown on Document No. 1, page 8 of 26.

Big Bend Unit No. 3

On this unit, 336.0 planned outage hours were originally scheduled for 2005. Actual outage activities required 617.9 planned outage hours. Consequently, the actual equivalent availability of 51.5% is adjusted to 53.4% as shown on Document No. 1, page 9 of 26.

Big Bend Unit No. 4

On this unit, 336.0 planned outage hours were originally scheduled for 2005. Actual outage activities required 683.8 planned outage hours. Consequently, the actual equivalent availability of 70.7% is adjusted to 73.8% as shown on Document No. 1, page 10 of 26.

Polk Unit No. 1

On this unit, 330.5 planned outage hours were originally scheduled for 2005. Actual outage activities required 0 planned outage hours. Consequently, the actual equivalent availability of 68.5% is adjusted to 65.9%, as shown on Document No. 1, page 11 of 26.

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 26, column 4. This number is entered into the respective Generating Performance Incentive Point ("GPIP") table for each particular unit on pages 20 of 26 through 24 of 26. Page 4 of 26 summarizes the 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 Big Bend Units 1, 2, 3, and 4 and Polk Unit 1 are shown on Document No. 1, page 6 of 26. 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 26. The heat rate value is entered into the respective GPIP table for the particular unit, shown on pages 20 of 26 through 24 of 26. Page 4 of 26 summarizes the weighted heat rate and equivalent availability points to be awarded.

Q. What is the overall GPIP for Tampa Electric for the January 2005 through December 2005 period?

A. This is shown on Document No. 1, page 26 of 26. Essentially, the weighting factors shown on page 4 of 26, column 3, plus the equivalent availability points and the heat rate points shown on page 4 of 26, column 4, are substituted within the equation. The resulting value, -0.182, is then entered into the GPIF table on page 2 of 26. Using linear interpolation, the penalty amount is $99,791.

Q. Does this conclude your testimony?

A. Yes, it does.

DOCKET NO. 060001-EI
GPIF 2005 TRUE-UP
EXHIBIT WAS-1

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2005 - DECEMBER 2005

DOCKET NO. 060001-EI
GPIF 2005 TRUE-UP
EXHIBIT WAS-1

GENERATING PERFORMANCE INCENTIVE FACTOR

INDEX

EXHIBIT TO THE TESTIMONY OF

William A. Smotherman

DOCKET NO. 060001-EI

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2005 - DECEMBER 2005

TRUE-UP

DOCUMENT NO. 1

GPIF SCHEDULES

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2005 - DECEMBER 2005
TRUE-UP

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE - ACTUAL
JANUARY 2005 - DECEMBER 2005

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) ($000)	GENERATING PERFORMANCE INCENTIVE FACTOR ($000)
+10	35,060.9	5,479.0
+9	31,554.8	4,931.1
+8	28,048.7	4,383.2
+7	24,542.6	3,835.3
+6	21,036.5	3,287.4
+5	17,530.4	2,739.5
+4	14,024.3	2,191.6
+3	10,518.3	1,643.7
+2	7,012.2	1,095.8
+1	3,506.1	547.9
0	0.0	0.0
-1	(6,036.0)	(547.9)
-2	(12,072.0)	(1,095.8)
-3	(18,108.0)	(1,643.7)
-4	(24,144.0)	(2,191.6)
-5	(30,180.0)	(2,739.5)
-6	(36,216.0)	(3,287.4)
-7	(42,252.0)	(3,835.3)
-8	(48,288.0)	(4,383.2)
-9	(54,324.0)	(4,931.1)
-10	(60,360.0)	(5,479.0)

GPI POINTS -0.182

REWARD DOLLARS ($99,791)

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS - ACTUAL
JANUARY 2005 - DECEMBER 2005

Line 1	Beginning of period balance of common equity: End of month common equity:		$	1,394,835,000
Line 2	Month of January	2005	$	1,368,206,000
Line 3	Month of February	2005	$	1,373,211,000
Line 4	Month of March	2005	$	1,383,071,000
Line 5	Month of April	2005	$	1,373,463,000
Line 6	Month of May	2005	$	1,389,222,000
Line 7	Month of June	2005	$	1,406,893,000
Line 8	Month of July	2005	$	1,398,273,000
Line 9	Month of August	2005	$	1,423,286,000
Line 10	Month of September	2005	$	1,438,565,000
Line 11	Month of October	2005	$	1,387,120,000
Line 12	Month of November	2005	$	1,398,153,000
Line 13	Month of December	2005	$	1,397,064,000
Line 14	(Summation of line 1 through line 13 divided by 13)		$	1,394,720,154
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)		$	5,680,607
Line 18	Jurisdictional Sales			18,901,894 MWH
Line 19	Total Sales			19,597,306 MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)			96.45%
Line 21	**Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)**		**$**	**5,479,030**

TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS - ACTUAL
JANUARY 2005 - DECEMBER 2005

PLANT / UNIT	12 MONTH ADJ. ACTUAL PERFORMANCE		WEIGHTING FACTOR %	UNIT POINTS	WEIGHTED UNIT POINTS
BIG BEND 1	56.6%	EAF	15.68%	5.537	0.868
BIG BEND 2	74.2%	EAF	17.44%	10.000	1.744
BIG BEND 3	53.4%	EAF	18.30%	-4.893	-0.895
BIG BEND 4	73.8%	EAF	11.68%	-6.624	-0.774
POLK 1	65.9%	EAF	5.44%	-10.000	-0.544
BIG BEND 1	10964	ANOHR	5.27%	-0.795	-0.042
BIG BEND 2	10610	ANOHR	4.72%	0.000	0.000
BIG BEND 3	10767	ANOHR	7.40%	-0.504	-0.037
BIG BEND 4	10690	ANOHR	7.74%	-6.486	-0.502
POLK 1	10331	ANOHR	6.34%	0.000	0.000
			100.00%		-0.182

GPIF REWARD	**$ (99,791)**

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	WEIGHTING FACTOR (%)	EAF TARGET (%)	EAF MAX. (%)	RANGE MIN. (%)	MAX. FUEL SAVINGS ($000)	MAX. FUEL LOSS ($000)	EAF ADJUSTED ACTUAL (%)	ACTUAL FUEL SAVINGS/ LOSS ($000)
BIG BEND 1	15.68%	52.6	59.8	38.3	5,498.6	(12,805.0)	56.6%	3,044.4
BIG BEND 2	17.44%	61.6	68.7	47.5	6,112.9	(12,376.3)	74.2%	6,112.9
BIG BEND 3	18.30%	60.6	67.9	45.9	6,414.7	(13,384.7)	53.4%	(6,549.1)
BIG BEND 4	11.68%	78.7	82.4	71.3	4,096.8	(6,982.3)	73.8%	(4,625.0)
POLK 1	5.44%	79.8	83.2	72.8	1,906.3	(3,780.1)	65.9%	(3,780.1)
GPIF SYSTEM	**68.54%**				**24,029.3**	**(49,328.4)**		

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	5.27%	10,853	76.8	10,324	11,382	1,848.1	(1,848.1)	10,964	(146.9)
BIG BEND 2	4.72%	10,672	77.2	10,251	11,093	1,656.1	(1,656.1)	10,610	0.0
BIG BEND 3	7.40%	10,663	72.0	10,006	11,319	2,593.2	(2,593.2)	10,767	(130.8)
BIG BEND 4	7.74%	10,350	85.7	9,868	10,833	2,712.8	(2,712.8)	10,690	(1,759.5)
POLK 1	6.34%	10,342	89.1	9,624	11,060	2,221.4	(2,221.4)	10,331	0.0
GPIF SYSTEM	**31.46%**					**11,031.6**	**(11,031.6)**		

TAMPA ELECTRIC COMPANY
UNIT PERFORMANCE DATA - ACTUAL
JANUARY 2005 - DECEMBER 2005

PLANT / UNIT	ACTUAL EAF (%)	ADJUSTMENTS (1) TO EAF (%)	EAF ADJUSTED ACTUAL (%)
BIG BEND 1	61.0	-4.4	56.6
BIG BEND 2	64.8	9.4	74.2
BIG BEND 3	51.5	1.9	53.4
BIG BEND 4	70.7	3.1	73.8
POLK 1	68.5	-2.6	65.9

PLANT / UNIT	ACTUAL ANOHR (Btu/kwh)	ADJUSTMENTS (2) TO ANOHR (Btu/kwh)	ANOHR ADJUSTED ACTUAL (Btu/kwh)
BIG BEND 1	11072	-108	10964
BIG BEND 2	10598	12	10610
BIG BEND 3	10948	-181	10767
BIG BEND 4	10826	-136	10690
POLK 1	10442	-111	10331

(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 2005 - DECEMBER 2005

WEIGHTING FACTOR = 15.68%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8760.0	8760.0	8760.0
EAF	52.6	61.0	56.6
POH	1344.0	754.6	1344.0
FOH + EFOH	2001.3	2252.9	2087.0
MOH + EMOH	804.3	407.6	377.6
POF	15.3	8.6	15.3
EFOF	22.8	25.7	23.8
EMOF	9.2	4.7	4.3
	5.537	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 1344}{8760 - 754.6} \times (2252.9 + 407.6) = 2464.6$$

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

$$100 - 15.3 - \frac{2464.6}{8760.0} \times 100 = 56.6$$

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 2005 - DECEMBER 2005

WEIGHTING FACTOR = 17.44%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8760.0	8760.0	8760.0
EAF	61.6	64.8	74.2
POH	336.0	1399.5	336.0
FOH + EFOH	2170.9	1431.4	1638.2
MOH + EMOH	853.0	249.4	285.4
POF	3.8	16.0	3.8
EFOF	24.8	16.3	18.7
EMOF	9.7	2.8	3.3
	10.000	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 336}{8760 - 1399.5} \times (1431.4 + 249.4) = 1923.7$$

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

$$100 - 3.8 - \frac{1923.7}{8760.0} \times 100 = 74.2$$

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 2005 - DECEMBER 2005

WEIGHTING FACTOR = 18.30%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8760.0	8760.0	8760.0
EAF	60.6	51.5	53.4
POH	336.0	617.9	336.0
FOH + EFOH	2147.6	3167.7	3277.4
MOH + EMOH	971.6	460.2	476.1
POF	3.8	7.1	3.8
EFOF	24.5	36.2	37.4
EMOF	11.1	5.3	5.4
	-4.893	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 336}{8760 - 617.9} \times (3167.7 + 460.2) = 3753.5$$

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

$$100 - 3.8 - \frac{3753.5}{8760.0} \times 100 = 53.4$$

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 2005 - DECEMBER 2005

WEIGHTING FACTOR = 11.68%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8760.0	8760.0	8760.0
EAF	78.7	70.7	73.8
POH	336.0	683.8	336.0
FOH + EFOH	994.1	1539.6	1605.9
MOH + EMOH	537.1	344.0	358.8
POF	3.8	7.8	3.8
EFOF	11.3	17.6	18.3
EMOF	6.1	3.9	4.1

-6.624 **EQUIVALENT AVAILABILITY POINTS**

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 336}{8760 - 683.8} \times (1539.6 + 344) = 1964.7$$

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

$$100 - 3.8 - \frac{1964.7}{8760.0} \times 100 = 73.8$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
POLK UNIT NO. 1
JANUARY 2005 - DECEMBER 2005

WEIGHTING FACTOR = 5.44%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8760.0	8760.0	8760.0
EAF	79.8	68.5	65.9
POH	330.5	0.0	330.5
FOH + EFOH	276.6	2594.9	2497.0
MOH + EMOH	1165.9	167.6	161.3
POF	3.8	0.0	3.8
EFOF	3.2	29.6	28.5
EMOF	13.3	1.9	1.8

-10.000 **EQUIVALENT AVAILABILITY POINTS**

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 330}{8760 - 0} \times (2594.9 + 167.6) = 2658.3$$

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

$$100 - 3.8 - \frac{2658.3}{8760.0} \times 100 = 65.9$$

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 2005 - DECEMBER 2005

WEIGHTING FACTOR = 5.27%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10853	11072
NET GENERATION (GWH)	1622.8	2022.1
OPERATING BTU (10^9)	17612	22390.0
NET OUTPUT FACTOR	76.8	71.1

-0.795 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-18.92) + 12305.63 = ANOHR

71.1 * (-18.92) + 12305.63 = 10960

11072 - 10960 = 112

10853 + 112 = 10964 ← 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 2005 - DECEMBER 2005

WEIGHTING FACTOR = 4.72%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10672	10598
NET GENERATION (GWH)	1799.5	2068.3
OPERATING BTU (10^9)	19205	21919.2
NET OUTPUT FACTOR	77.2	78.3

0.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-10.94) + 11516.07 = ANOHR

78.3 * (-10.94) + 11516.07 = 10660

10598 - 10660 = -62

10672 + -62 = 10610 ← 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 2005 - DECEMBER 2005

WEIGHTING FACTOR = 7.40%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10663	10948
NET GENERATION (GWH)	1873.2	1792.2
OPERATING BTU (10^9)	19973	19621.7
NET OUTPUT FACTOR	72.0	65.7

-0.504 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-28.86) + 12739.98 = ANOHR

65.7 * (-28.86) + 12739.98 = 10844

10948 - 10844 = 104

10663 + 104 = 10767 ← 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 2005 - DECEMBER 2005

WEIGHTING FACTOR = 7.74%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10350	10826
NET GENERATION (GWH)	2691.3	2550.7
OPERATING BTU (10^9)	27857	27613.3
NET OUTPUT FACTOR	85.7	82.3

-6.486 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-40.19) + 13794.47 = ANOHR

82.3 * (-40.19) + 13794.47 = 10487

10826 - 10487 = 339

10350 + 339 = 10690 ← 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 2005 - DECEMBER 2005

WEIGHTING FACTOR = 6.34%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10342	10442
NET GENERATION (GWH)	1519.1	1273.7
OPERATING BTU (10^9)	15711	13300.7
NET OUTPUT FACTOR	89.1	87.6

0.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-73.22) + 16866.46 = ANOHR

87.6 * (-73.22) + 16866.46 = 10453

10442 - 10453 = -11

10342 + -11 = 10331 ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

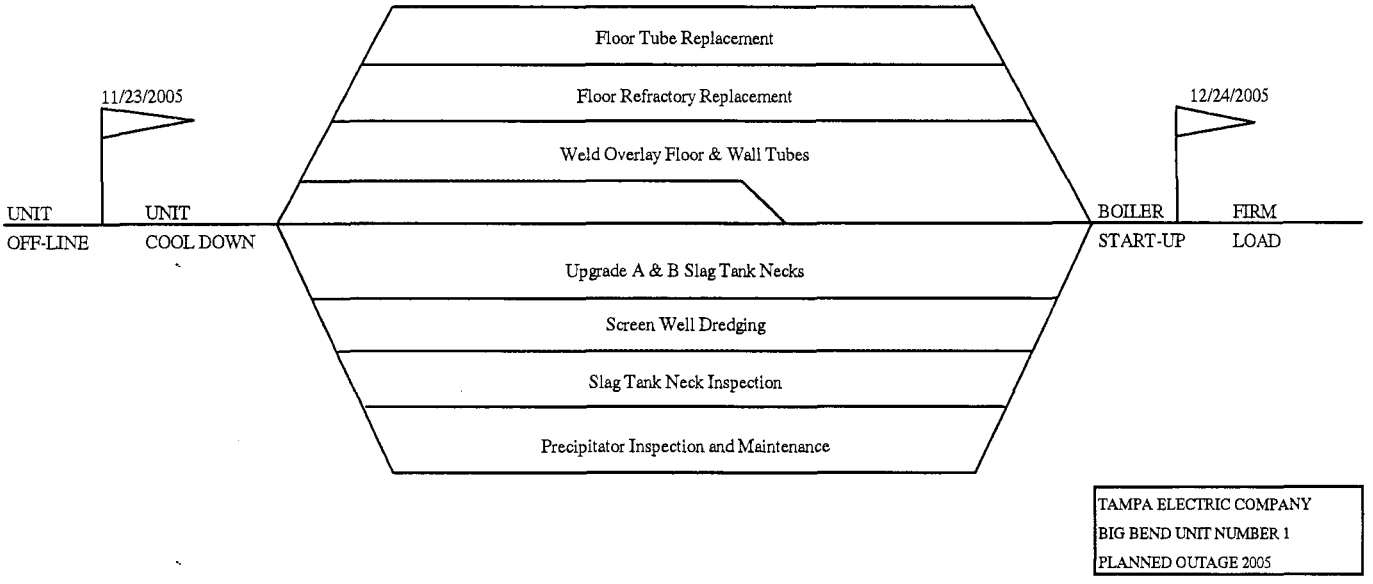
ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ACTUAL)
GPIF UNITS
JANUARY 2005 - DECEMBER 2005

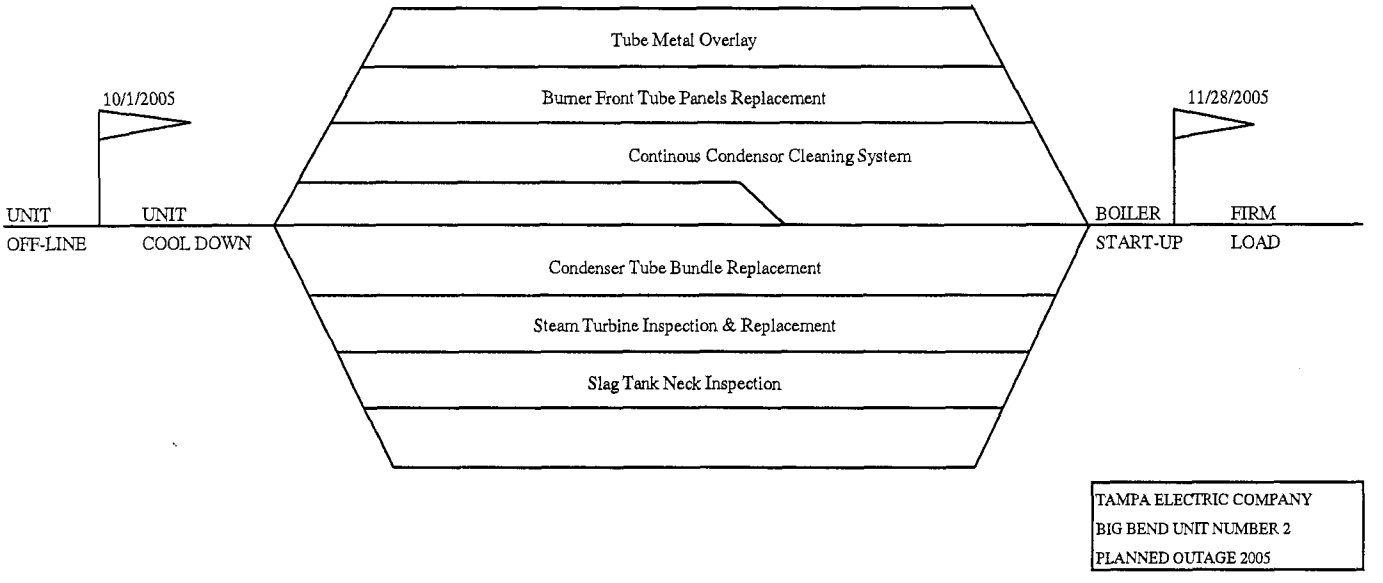
	PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DESCRIPTION
	BIG BEND 1	Nov 23 - Dec 24	Floor tube replacement, weld overlay of floor tubes and wall tubes, floor refractory, precipitator inspection and maintenance, air preheater maintenance, sootblower inspection and maintenance Secondary Air Damper Drive Modification/Upgrade A & B Slag Tank Neck, Weir Box, and Overflow Line replacements Safety Valve Drain and Scupper replacement Screen well Dredging B Condensate Pump Element Replacement Coal Air Flow Balancing A & C Coal Plug Valve rebuilds FGD 1 & 2 Tower Oxidation Air Header replacement A1 Oxidation Blower Element replacement Misc. repairs and clean up
	BIG BEND 2	Oct 01 - Nov 28	Condenser tubebundle removal and replacement, continuous condenser cleaning system installation, boiler inspection, tube weld overlay, steam turbine inspection and maintenance, turbine valve inspection and maintenance, slag tank neck inspection and maintenance, precipitator inspection and maintenance, exhaust duct inspection and maintenance, air preheater maintenance, sootblower inspection and maintenance, burner front removal and replacement, high energy piping inspection
+	BIG BEND 3	Apr 01 - Apr 26	Wall tube weld overlay, precipitator inspection and maintenance, sootblower inspection and maintenance, Condenser Tubesheet Coating repairs, A Coarse Mesh Screen rebuild, Hot Gas Duct Expansion Joint replacement, Burner Ignitor replacement (18 ignitors), Coal Blast Gate replacements (A2, C1, & C2), WDPF Weststation replacement, Salt Water Header Piping replacement, High Pressure Piping Inspections, Extensive Coal Leak/Gas Leak repairs
+	BIG BEND 4	Feb 12 - Mar 12	Wall tube overlay, (east waterwall)tube panel replacement, Lower Waterfall Ring Header repairs, Boiler Nose Arch Door replacement, MCC 4B1 & 4B2 replacement, Finishing Superheater Tube Samples, New ID/FD/PA Fan Vibration Monitoring Systems, High Pressure Piping Inspections, #3 Stack work (Bands), Extensive FGD Work: A Tower Bowl Return Line C Tower Vortex Breaker Quencher Blow Down Line Mods (all 4 towers) Duct Work repairs

+ 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 2005 - DECEMBER 2005



TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2005 - DECEMBER 2005



TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

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	5,498.6	59.8	+10	1,848.1	10,324
+9	4,948.7	59.1	+9	1,663.3	10,369
+8	4,398.9	58.4	+8	1,478.5	10,415
+7	3,849.0	57.6	+7	1,293.6	10,460
+6	3,299.2	56.9	+6	1,108.8	10,506
+5	2,749.3	56.2	+5	924.0	10,551
+4	2,199.4	55.5	+4	739.2	10,596
+3	1,649.6	54.8	+3	554.4	10,642
+2	1,099.7	54.1	+2	369.6	10,687
+1	549.9	53.3	+1	184.8	10,733
					10,778
0	0.0	52.6	0	0.0	10,853
					10,928
-1	(1,280.5)	51.2	-1	(184.8)	10,973
-2	(2,561.0)	49.8	-2	(369.6)	11,019
-3	(3,841.5)	48.3	-3	(554.4)	11,064
-4	(5,122.0)	46.9	-4	(739.2)	11,109
-5	(6,402.5)	45.5	-5	(924.0)	11,155
-6	(7,683.0)	44.0	-6	(1,108.8)	11,200
-7	(8,963.5)	42.6	-7	(1,293.6)	11,246
-8	(10,244.0)	41.2	-8	(1,478.5)	11,291
-9	(11,524.5)	39.7	-9	(1,663.3)	11,336
-10	(12,805.0)	38.3	-10	(1,848.1)	11,382

EAF POINTS 5.537

Adjusted EAF 56.6

AHR POINTS -0.795

Adjusted ANOHR 10964

Weighting Factor = 15.68%

Weighting Factor = 5.27%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

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	6,112.9	68.7	+10	1,656.1	10,251
+9	5,501.6	68.0	+9	1,490.5	10,286
+8	4,890.3	67.3	+8	1,324.9	10,320
+7	4,279.0	66.6	+7	1,159.2	10,355
+6	3,667.7	65.9	+6	993.6	10,389
+5	3,056.5	65.2	+5	828.0	10,424
+4	2,445.2	64.5	+4	662.4	10,459
+3	1,833.9	63.8	+3	496.8	10,493
+2	1,222.6	63.1	+2	331.2	10,528
+1	611.3	62.4	+1	165.6	10,562
					10,597
0	0.0	61.6	0	0.0	10,672
					10,747
-1	(1,237.6)	60.2	-1	(165.6)	10,782
-2	(2,475.3)	58.8	-2	(331.2)	10,816
-3	(3,712.9)	57.4	-3	(496.8)	10,851
-4	(4,950.5)	56.0	-4	(662.4)	10,886
-5	(6,188.2)	54.5	-5	(828.0)	10,920
-6	(7,425.8)	53.1	-6	(993.6)	10,955
-7	(8,663.4)	51.7	-7	(1,159.2)	10,989
-8	(9,901.0)	50.3	-8	(1,324.9)	11,024
-9	(11,138.7)	48.9	-9	(1,490.5)	11,059
-10	(12,376.3)	47.5	-10	(1,656.1)	11,093

EAF POINTS 10.000

Adjusted EAF 74.2

AHR POINTS 0.000

Adjusted ANOHR 10610

Weighting Factor = 17.44%

Weighting Factor = 4.72%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

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	6,414.7	67.9	+10	2,593.2	10,006
+9	5,773.2	67.2	+9	2,333.9	10,064
+8	5,131.8	66.4	+8	2,074.6	10,122
+7	4,490.3	65.7	[redacted]	1,815.3	10,181
+6	3,848.8	65.0	+6	1,555.9	10,239
+5	3,207.3	64.2	+5	1,296.6	10,297
+4	2,565.9	63.5	+4	1,037.3	10,355
+3	1,924.4	62.8	+3	778.0	10,413
+2	1,282.9	62.0	+2	518.6	10,471
+1	641.5	61.3	+1	259.3	10,530
					10,588
0	0.0	60.6	0	0.0	10,663
			AHR POINTS -0.504		Adjusted ANOHR 10767 → 10,738
-1	(1,338.5)	59.1	-1	(259.3)	10,796
-2	(2,676.9)	57.6	-2	(518.6)	10,854
-3	(4,015.4)	56.2	-3	(778.0)	10,912
-4	(5,353.9)	54.7	-4	(1,037.3)	10,970
-5	(6,692.4)	53.2	-5	(1,296.6)	11,028
-6	(8,030.8)	51.8	-6	(1,555.9)	11,087
-7	(9,369.3)	50.3	-7	(1,815.3)	11,145
-8	(10,707.8)	48.9	-8	(2,074.6)	11,203
-9	(12,046.2)	47.4	-9	(2,333.9)	11,261
-10	(13,384.7)	45.9	-10	(2,593.2)	11,319

EAF POINTS -4.893 → Adjusted EAF 53.4

Weighting Factor = 18.30%

Weighting Factor = 7.40%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

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	4,096.8	82.4	+10	2,712.8	9,868
+9	3,687.1	82.0	+9	2,441.6	9,908
+8	3,277.4	81.7	+8	2,170.3	9,949
+7	2,867.8	81.3	+7	1,899.0	9,990
+6	2,458.1	80.9	+6	1,627.7	10,031
+5	2,048.4	80.5	+5	1,356.4	10,071
+4	1,638.7	80.2	+4	1,085.1	10,112
+3	1,229.0	79.8	+3	813.9	10,153
+2	819.4	79.4	+2	542.6	10,194
+1	409.7	79.1	+1	271.3	10,235
					10,275
0	0.0	78.7	0	0.0	10,350
					10,425
-1	(698.2)	77.9	-1	(271.3)	10,466
-2	(1,396.5)	77.2	-2	(542.6)	10,507
-3	(2,094.7)	76.5	-3	(813.9)	10,548
-4	(2,792.9)	75.7	-4	(1,085.1)	10,589
-5	(3,491.2)	75.0	-5	(1,356.4)	10,629
-6	(4,189.4)	74.3	-6	(1,627.7)	10,670
-7	(4,887.6)	73.5	-7	(1,899.0)	10,711
-8	(5,585.8)	72.8	-8	(2,170.3)	10,752
-9	(6,284.1)	72.0	-9	(2,441.6)	10,793
-10	(6,982.3)	71.3	-10	(2,712.8)	10,833

EAF POINTS -6.624 ← Adjusted EAF 73.8 →

AHR POINTS -6.486 ← Adjusted ANOHR 10690 →

Weighting Factor = 11.68%

Weighting Factor = 7.74%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

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	1,906.3	83.2	+10	2,221.4	9,624
+9	1,715.7	82.9	+9	1,999.2	9,688
+8	1,525.0	82.5	+8	1,777.1	9,753
+7	1,334.4	82.2	+7	1,555.0	9,817
+6	1,143.8	81.9	+6	1,332.8	9,881
+5	953.1	81.5	+5	1,110.7	9,945
+4	762.5	81.2	+4	888.5	10,010
+3	571.9	80.8	+3	666.4	10,074
+2	381.3	80.5	+2	444.3	10,138
+1	190.6	80.1	+1	222.1	10,203
					10,267
0	0.0	79.8	0 ← AHR POINTS 0.000	0.0	Adjusted ANOHR 10331 → 10,342
					10,417
-1	(378.0)	79.1	-1	(222.1)	10,481
-2	(756.0)	78.4	-2	(444.3)	10,546
-3	(1,134.0)	77.7	-3	(666.4)	10,610
-4	(1,512.0)	77.0	-4	(888.5)	10,674
-5	(1,890.0)	76.3	-5	(1,110.7)	10,739
-6	(2,268.1)	75.6	-6	(1,332.8)	10,803
-7	(2,646.1)	74.9	-7	(1,555.0)	10,867
-8	(3,024.1)	74.2	-8	(1,777.1)	10,931
-9	(3,402.1)	73.5	-9	(1,999.2)	10,996
-10 ← EAF POINTS -10.000	(3,780.1)	Adjusted EAF 65.9 → 72.8	-10	(2,221.4)	11,060
Weighting Factor =		5.44%	Weighting Factor =		6.34%

TAMPA ELECTRIC COMPANY
COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 05 - DEC 05 POF	EUOF	EUOR	ACTUAL PERFORMANCE JAN 05 - DEC 05 POF	EUOF	EUOR
BIG BEND 1	15.68%	22.9%	15.3	32.0	37.8	8.6	30.4	33.2
BIG BEND 2	17.44%	25.4%	3.8	34.5	35.9	16.0	19.2	22.8
BIG BEND 3	18.30%	26.7%	3.8	35.6	37.0	7.1	41.4	44.6
BIG BEND 4	11.68%	17.0%	3.8	17.5	18.2	7.8	21.5	23.3
POLK 1	5.44%	7.9%	3.8	16.5	17.1	0.0	31.5	31.5
GPIF SYSTEM	**68.54%**	**100.0%**	**6.5**	**29.9**	**32.1**	**9.2**	**29.1**	**31.8**

GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%) 63.6 61.7

3 PERIOD AVERAGE POF	EUOF	EUOR	3 PERIOD AVERAGE EAF
5.8	**28.4**	**29.5**	**65.8**

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET HEAT RATE JAN 05 - DEC 05	ADJUSTED ACTUAL HEAT RATE JAN 05 - DEC 05
BIG BEND 1	5.27%	16.8%	10,853	10,964
BIG BEND 2	4.72%	15.0%	10,672	10,610
BIG BEND 3	7.40%	23.5%	10,663	10,767
BIG BEND 4	7.74%	24.6%	10,350	10,690
POLK 1	6.34%	20.1%	10,342	10,331
GPIF SYSTEM	**31.46%**	**100.0%**		

GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh) 10,555 10,670

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
JANUARY 2005 - DECEMBER 2005

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 =	15.68%	*	(BB 1 EAP)	+	17.44%	*	(BB 2 EAP)	+	18.30%	*	(BB 3 EAP)	
+	11.68%	*	(BB 4 EAP)	+								
+	5.44%	*	(PK 1 EAP)	+	5.27%	*	(BB 1 AHRP)	+	4.72%	*	(BB 2 AHRP)	
+	7.40%	*	(BB 3 AHRP)	+	7.74%	*	(BB 4 AHRP)	+				
+				+	6.34%	*	(PK 1 AHRP)					

GPIP =	15.68%	*	5.537	+	17.44%	*	10.000	+	18.30%	*	-4.893
+	11.68%	*	-6.624	+				+			
+	5.44%	*	-10.000	+	5.27%	*	-0.795	+	4.72%	*	0.000
+	7.40%	*	-0.504	+	7.74%	*	-6.486	+			
+				+	6.34%	*	0.000				

GPIP =	0.868	+	1.744	+	-0.895
+	-0.774	+	0.000	+	0.000
+	-0.544	+	-0.042	+	0.000
+	-0.037	+	-0.502	+	0.000
+	0.000	+	0.000		

GPIP = -0.182 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 = ($99,791)

DOCKET NO. 060001-EI
GPIF 2005 ACTUAL UNIT
PERFORMANCE DATA
EXHIBIT WAS-1, DOCUMENT 2

EXHIBIT TO THE TESTIMONY OF

William A. Smotherman

DOCKET NO. 060001-EI

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2005 - DECEMBER 2005

TRUE-UP

DOCUMENT NO. 2

ACTUAL UNIT PERFORMANCE DATA

ORIGINAL SHEET NO. 8.401.05A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2005 - DECEMBER 2005

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 05	FEB 05	MAR 05	APR 05	MAY 05	JUN 05	JUL 05	AUG 05	SEP 05	OCT 05	NOV 05	DEC 05	2005
1. EAF (%)	80.2	93.8	60.0	71.1	74.2	58.2	69.6	67.7	71.5	46.1	32.5	9.6	61.0
2. PH	744.0	672.0	744.0	719.0	744.0	720.0	744.0	744.0	720.0	745.0	720.0	744.0	8760
3. SH	630.2	652.9	554.9	553.7	616.5	524.3	744.0	694.1	720.0	530.6	356.5	137.9	6715.5
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	113.8	19.2	189.1	165.3	127.5	195.8	0.0	49.9	0.0	214.4	363.5	606.1	2044.5
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	183.0	571.6	754.6
7. FOH	0.0	19.2	189.1	0.0	127.5	154.7	0.0	49.9	0.0	214.4	95.8	34.5	885.1
8. MOH	113.8	0.0	0.0	165.3	0.0	41.1	0.0	0.0	0.0	0.0	84.7	0.0	404.8
9. PFOH	126.1	80.8	223.4	117.7	205.5	457.1	1170.9	1106.3	1112.3	724.5	380.1	154.6	5859.3
10. LR PF (MW)	113.1	120.9	207.6	152.8	132.0	96.9	81.4	72.4	77.7	108.8	132.3	183.4	98.8
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0	8.9
12. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	132.8	0.0	132.8
13. NSC (MW)	428.0	428.0	428.0	421.0	421.0	421.0	421.0	421.0	421.0	421.0	421.0	428.0	423
14. OPR BTU(GBTU)	2313.3	2454.5	1774.4	2049.2	2115.3	1754.3	2460.3	2253.7	2329.7	1526.2	1047.9	311.4	22389.9576
15. NET GEN (MWH)	216779.0	229701.0	161731.0	191365.0	191681.0	156049.0	211812.5	198707.5	207632.0	137384.2	93255.0	26048.0	2022145
16. ANOHR (BTU/KWH)	10671.1	10685.4	10971.2	10708.1	11035.3	11241.7	11615.2	11341.7	11220.4	11109.3	11237.1	11954.0	11072
17. NOF (%)	80.4	82.2	68.1	82.1	73.9	70.7	67.6	68.0	68.5	61.5	62.1	44.1	71.1
18. NPC (MW)	428.0	428.0	428.0	421.0	421.0	421.0	421.0	421.0	421.0	421.0	421.0	428.0	423
19. ANOHR EQUATION	ANOHR = NOF(	-18.920	) +	12305.628									

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ORIGINAL SHEET NO. 8.401.05A
TAMPA ELECTRIC COMPANY

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JANUARY 2005 - DECEMBER 2005

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 05	FEB 05	MAR 05	APR 05	MAY 05	JUN 05	JUL 05	AUG 05	SEP 05	OCT 05	NOV 05	DEC 05	2005
1. EAF (%)	72.5	70.8	91.5	84.1	72.9	83.7	79.3	78.6	68.3	0.0	0.2	75.7	64.8
2. PH	744.0	672.0	744.0	719.0	744.0	720.0	744.0	744.0	720.0	745.0	720.0	744.0	8760
3. SH	600.8	485.9	744.0	674.6	566.5	675.7	741.7	718.1	690.7	0.0	5.9	652.8	6556.6
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	143.2	186.1	0.0	44.5	177.5	44.3	2.4	25.9	29.3	745.0	714.1	91.2	2203.4
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	745.0	653.4	0.0	1399.5
7. FOH	72.4	11.3	0.0	44.5	177.5	44.3	2.4	25.9	28.1	0.0	60.7	91.2	558.3
8. MOH	70.8	174.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	245.6
9. PFOH	181.6	24.2	312.7	376.3	109.2	253.4	461.7	837.9	1020.9	0.0	5.9	240.9	3824.7
10. LR PF (MW)	140.1	173.7	84.6	73.4	88.1	114.2	130.0	63.1	77.2	0.0	312.0	148.3	91.9
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	6.7
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	234.0	234.0
13. NSC (MW)	416.0	416.0	416.0	396.0	396.0	396.0	396.0	396.0	396.0	396.0	396.0	416.0	403
14. OPR BTU(GBTU)	1994.4	1798.4	2573.4	2377.4	2054.7	2321.0	2386.9	2305.3	1970.8	0.0	2.1	2134.8	21919.2345
15. NET GEN (MWH)	191179.0	177021.0	247360.0	219276.0	197205.0	218171.0	218114.3	214768.9	182647.0	0.0	197.0	202367.0	2068306
16. ANOHR (BTU/KWH)	10432.3	10159.4	10403.4	10841.9	10419.3	10638.5	10943.5	10733.6	10790.2	0.0	10586.3	10549.2	10598
17. NOF (%)	76.5	87.6	79.9	82.1	87.9	81.5	74.3	75.5	66.8	0.0	8.4	74.5	78.3
18. NPC (MW)	416.0	416.0	416.0	396.0	396.0	396.0	396.0	396.0	396.0	396.0	396.0	416.0	403
19. ANOHR EQUATION	ANOHR = NOF(	-10.937	) +	11516.070									

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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 05	FEB 05	MAR 05	APR 05	MAY 05	JUN 05	JUL 05	AUG 05	SEP 05	OCT 05	NOV 05	DEC 05	2005
1. EAF (%)	65.1	69.8	38.3	1.2	44.2	72.0	71.6	65.2	48.7	54.0	52.1	36.4	51.5
2. PH	744.0	672.0	744.0	719.0	744.0	720.0	744.0	744.0	720.0	745.0	720.0	744.0	8760
3. SH	597.2	672.0	432.3	22.9	453.4	720.0	744.0	653.0	494.8	670.6	577.4	356.8	6394.4
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	146.8	0.0	311.8	696.1	290.6	0.0	0.0	91.0	225.2	74.4	142.6	387.3	2365.6
6. POH	0.0	0.0	0.0	617.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	617.9
7. FOH	0.0	0.0	208.3	78.2	290.6	0.0	0.0	91.0	225.2	74.4	100.6	227.5	1295.7
8. MOH	146.8	0.0	103.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.0	159.7	452.0
9. PFOH	640.7	1203.6	610.4	19.6	428.2	867.4	1030.2	1041.5	292.2	690.0	963.3	391.6	8178.6
10. LR PF (MW)	76.3	73.1	104.4	303.4	122.9	98.2	86.7	68.2	208.4	162.1	86.7	94.9	97.6
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	10.7	0.0	18.0
12. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	207.8	187.9	0.0	196.0
13. NSC (MW)	433.0	433.0	433.0	423.0	423.0	423.0	423.0	423.0	423.0	423.0	423.0	433.0	426
14. OPR BTU(GBTU)	2093.9	2114.7	1229.4	34.9	1405.6	2343.9	2403.1	2111.2	1370.7	1812.5	1598.9	1102.7	19621.6707
15. NET GEN (MWH)	194992.0	191483.0	113965.0	2330.0	129422.0	214041.0	217932.3	195577.5	121937.0	167108.8	143407.0	100054.0	1792250
16. ANOHR BTU/KWH	10738.5	11043.8	10787.7	14996.9	10860.8	10950.9	11026.9	10794.7	11241.2	10846.3	11149.4	11020.8	10948
17. NOF (%)	75.4	65.8	60.9	24.0	67.5	70.3	69.2	70.8	58.3	58.9	58.7	64.8	65.7
18. NPC (MW)	433.0	433.0	433.0	423.0	423.0	423.0	423.0	423.0	423.0	423.0	423.0	433.0	426
19. ANOHR EQUATION	ANOHR = NOF(	-28.859	) +	12739.979									

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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 05	FEB 05	MAR 05	APR 05	MAY 05	JUN 05	JUL 02	AUG 05	SEP 05	OCT 05	NOV 05	DEC 05	2005
1. EAF (%)	72.4	18.1	43.5	97.5	97.1	89.9	69.9	54.8	89.2	68.1	66.7	78.2	70.7
2. PH	744.0	672.0	744.0	719.0	744.0	720.0	744.0	744.0	720.0	745.0	720.0	744.0	8760
3. SH	737.8	208.5	349.5	709.3	744.0	674.5	564.2	450.4	695.4	600.1	492.7	590.1	6816.4
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	6.2	463.6	394.5	9.7	0.0	45.5	179.8	293.6	24.7	144.9	227.3	154.0	1943.6
6. POH	0.0	411.3	272.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	683.8
7. FOH	0.0	52.3	122.0	9.7	0.0	45.5	179.8	293.6	24.7	0.0	196.3	0.0	923.9
8. MOH	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144.9	31.0	154.0	336.0
9. PFOH	750.8	209.0	87.5	14.3	95.5	94.4	166.2	176.3	231.6	338.7	52.3	26.7	2243.3
10. LR PF (MW)	121.9	191.1	135.8	253.2	102.7	130.2	120.5	108.8	103.5	116.4	86.7	140.1	124.8
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	5.3	0.0	14.2
12. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	277.2	226.0	0.0	258.1
13. NSC (MW)	460.0	460.0	460.0	452.0	452.0	452.0	452.0	452.0	452.0	452.0	452.0	460.0	455
14. OPR BTU(GBTU)	2401.3	539.0	1401.2	3229.2	3258.4	2812.4	2384.6	1796.2	2762.5	2344.3	2135.5	2548.8	27613.3268
15. NET GEN (MWH)	223629.0	50753.0	139162.0	309225.0	305406.0	258579.0	210959.3	153916.1	256485.0	214711.0	194747.0	233136.0	2550708
16. ANOHR BTU/KWH	10737.7	10619.6	10069.1	10442.8	10669.1	10876.3	11303.5	11670.3	10770.7	10918.2	10965.5	10932.7	10826
17. NOF (%)	65.9	52.9	86.6	96.5	90.8	84.8	82.7	75.6	81.6	79.2	87.4	85.9	82.3
18. NPC (MW)	460.0	460.0	460.0	452.0	452.0	452.0	452.0	452.0	452.0	452.0	452.0	460.0	455
19. ANOHR EQUATION	ANOHR = NOF(		-40.192	) +	13794.468								

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POLK 1	JAN 05	FEB 05	MAR 05	APR 05	MAY 05	JUN 05	JUL 02	AUG 05	SEP 05	OCT 05	NOV 05	DEC 05	2005
1. EAF (%)	54.3	0.0	0.0	8.6	93.6	93.5	91.8	96.2	96.7	99.2	99.1	82.5	68.5
2. PH	744.0	672.0	744.0	719.0	744.0	720.0	744.0	744.0	720.0	745.0	720.0	744.0	8760
3. SH	130.7	0.0	0.0	67.0	732.4	716.8	677.3	702.1	707.1	693.2	666.1	571.9	5664.6
4. RSH	290.9	0.0	0.0	0.0	31.5	0.0	59.4	39.8	0.0	50.7	59.2	41.9	573.5
5. UH	322.4	672.0	744.0	652.0	19.0	3.1	31.3	2.1	12.9	1.1	4.8	130.2	2594.9
6. POH	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
7. FOH	322.4	672.0	744.0	632.3	19.0	3.1	14.0	2.1	12.9	1.1	4.8	0.0	2427.7
8. MOH	0.0	0.0	0.0	19.7	0.0	0.0	17.3	0.0	0.0	0.0	0.0	130.2	167.2
9. PFOH	306.9	0.0	0.0	63.2	725.0	775.3	701.9	552.7	92.5	38.6	12.5	0.0	3268.6
10. LR PF (MW)	15.0	0.0	0.0	18.2	10.0	14.4	10.9	12.2	30.0	30.0	30.0	0.0	13.1
11. PMOH	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
12. LR PM (MW)	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0
13. NSC (MW) **	260.0	260.0	260.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	260.0	257
14. OPR BTU(GBTU)	294.6	0.0	0.0	125.9	1659.3	1649.1	1530.9	1664.6	1617.9	1671.2	1676.2	1410.9	13300.6844
15. NET GEN (MWH)	24143.0	-1884.0	-4046.0	2018.0	158626.0	161718.0	146197.0	159770.0	160932.0	166238.0	161055.0	138940.0	1273707
16. ANOHR BTU/KWH	12202.4	0.0	0.0	62380.7	10460.6	10197.6	10471.6	10418.9	10053.2	10053.3	10407.6	10154.5	10442
17. NOF (%)	71.1	0.0	0.0	11.8	84.9	88.5	84.7	89.2	89.3	94.0	94.8	93.4	87.6
18. NPC (MW) **	260.0	260.0	260.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	260.0	257
19. ANOHR EQUATION	ANOHR = NOF(	-73.216	) +	16866.459									

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