BEFORE THE

FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 020001-EI

IN RE: FUEL & PURCHASED POWER COST RECOVERY

AND

CAPACITY COST RECOVERY

GENERATING PERFORMANCE INCENTIVE FACTOR

TRUE-UP

JANUARY 2001 THROUGH DECEMBER 2001

TESTIMONY AND EXHIBITS

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 mailing and business address is Post Office Box 111, Tampa, Florida 33601. I am employed by Tampa Electric Company ("Tampa Electric" or "company") in the position of Director, Resource Planning in 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 University of South Florida in Tampa, Florida. In May 1986, I joined Tampa Electric as an associate engineer. I have been employed by Tampa Electric for 15 years working 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 Generating Performance Incentive Factor (GPIF) for the period January 2001 through December 2001. I will also compare these results to the targets established prior to the beginning of the period.

Q. Have you prepared any exhibits 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 2001 - December 2001, 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 2001 period.

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

A. Seven of the company's units are included. These are Big Bend Station Units 1, 2, 3, and 4, Gannon Station Units 5 and 6, and Polk Station Unit 1.

Q. Have you calculated the results of Tampa Electric Company for its performance under the GPIF during this period?

A. Yes I have. This is shown on Document No. 1, page 4 of 32. Based upon -1.611 GPIF points, the result is a penalty amount of $831,029 for the period.

Q. Please proceed with your review of the actual results for the January 2001 - December 2001 period.

A. On Document No. 1, page 3 of 32, the actual average common equity for the period is shown on line 14 as $1,303,090,000. This produces the maximum penalty or reward figure of $5,158,126 as shown on line 21.

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

A. Yes, I will. Operating data on each of our units is filed monthly with the Florida Public Service 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 twelve months provides the basis for the GPIF.

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

A. Not exactly. 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 32. 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, 1176 planned outage hours were originally scheduled for 2001. Actual outage activities required 1249 planned outage hours. Consequently, the actual equivalent availability of 63.3% is adjusted to 63.9% as shown on Document No. 1, page 7 of 32.

Big Bend Unit No. 2

On this unit, 504 planned outage hours were originally scheduled for 2001. Actual outage activities required 517.5 planned outage hours. Consequently, the actual equivalent availability of 73.3% is adjusted to 73.4% as shown on Document No. 1, page 8 of 32.

Big Bend Unit No. 3

On this unit, 504 planned outage hours were originally scheduled for 2001. Actual outage activities required no planned outage hours. Consequently, the actual equivalent availability of 75.7% is adjusted to 71.3% as shown on Document No. 1, page 9 of 32.

Big Bend Unit No. 4

On this unit, 336 planned outage hours were originally scheduled for 2001. Actual outage activities required 755.2 planned outage hours. Consequently, the actual equivalent availability of 78.1% is adjusted to 82.3% as shown on Document No. 1, page 10 of 32.

Gannon Unit No. 5

On this unit, 672 planned outage hours were originally scheduled for 2001. Actual outage activities required 1057.5 planned outage hours. Consequently, the actual equivalent

availability of 58.3% is adjusted to 61.2% as shown on Document No. 1, page 11 of 32.

Gannon Unit No. 6

On this unit, 672 planned outage hours were originally scheduled for 2001. Actual outage activities required 716 planned outage hours. Consequently, the actual equivalent availability of 74.6% is adjusted to 75.0%, as shown on Document No. 1, page 12 of 32.

Polk Unit No. 1

On this unit, 672 planned outage hours were originally scheduled for 2001. Actual outage activities required 327.8 planned outage hours. Consequently, the actual equivalent availability of 86.4% is adjusted to 82.8%, 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 Generating Performance Incentive Point (GPIP) Table for each particular unit on pages 24 of 32 through 30 of 32. Page 4 of 32 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, Gannon Units 5 and 6 and Polk Unit 1 are shown on page 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. This heat rate number is entered into the respective GPIP table for the particular unit, shown on pages 24 of 32 through 30 of 32. Page 4 of 32 summarizes the weighted heat rate and equivalent availability points to be awarded.

Q. What is the overall GPIP for Tampa Electric Company during this twelve month period?

A. This is shown on Document No. 1, page 32 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. This resultant value, -1.611, is then entered into the GPIF

table on page 2 of 32. Using linear interpolation, a penalty amount of $831,029 is calculated.

Q. Does this conclude your testimony?

A. Yes, it does.

EXHIBIT NO. _____
DOCKET NO. 020001-EI
TAMPA ELECTRIC COMPANY
(WAS-1)

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2001 - DECEMBER 2001

EXHIBIT NO. _____
DOCKET NO. 020001-EI
TAMPA ELECTRIC COMPANY
(WAS-1)

GENERATING PERFORMANCE INCENTIVE FACTOR

INDEX

EXHIBIT NO. _____
DOCKET NO. 020001-EI
TAMPA ELECTRIC COMPANY
(WAS-1)
DOCUMENT NO. 1

EXHIBITS TO THE TESTIMONY OF

WILLIAM A. SMOTHERMAN

DOCKET NO. 020001-EI

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2001 - DECEMBER 2001

TRUE-UP

DOCUMENT NO. 1

GPIF SCHEDULES

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2001 - DECEMBER 2001
TRUE-UP
TABLE OF CONTENTS

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE - ACTUAL
JANUARY 2001 - DECEMBER 2001

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) ($000)	GENERATING PERFORMANCE INCENTIVE FACTOR ($000)
+10	24,114.5	5,158.1
+9	21,703.1	4,642 3
+8	19,291.6	4,126.5
+7	16,880.2	3,610.7
+6	14,468.7	3,094.9
+5	12,057.3	2,579.1
+4	9,645.8	2,063.3
+3	7,234.4	1,547.4
+2	4,822.9	1,031.6
+1	2,411.5	515.8
0	0.0	0.0
-1	(3,302.3)	(515.8)
-2	(6,604.5)	(1,031.6)
-3	(9,906.8)	(1,547.4)
-4	(13,209.1)	(2,063.3)
-5	(16,511.4)	(2,579.1)
-6	(19,813.6)	(3,094.9)
-7	(23,115.9)	(3,610.7)
-8	(26,418.2)	(4,126.5)
-9	(29,720.4)	(4,642.3)
-10	(33,022.7)	(5,158.1)

GPI POINTS -1.611

REWARD DOLLARS ($831,029)

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS - ACTUAL
JANUARY 2001 - DECEMBER 2001

Line 1	Beginning of period balance of common equity: End of month common equity:		$	1,272,243,000
Line 2	Month of January	2001	$	1,263,085,000
Line 3	Month of February	2001	$	1,275,453,000
Line 4	Month of March	2001	$	1,287,942,000
Line 5	Month of April	2001	$	1,284,854,000
Line 6	Month of May	2001	$	1,297,435,000
Line 7	Month of June	2001	$	1,310,139,000
Line 8	Month of July	2001	$	1,300,770,000
Line 9	Month of August	2001	$	1,313,507,000
Line 10	Month of September	2001	$	1,326,368,000
Line 11	Month of October	2001	$	1,323,127,000
Line 12	Month of November	2001	$	1,336,082,000
Line 13	Month of December	2001	$	1,349,165,000
Line 14	(Summation of line 1 through line 13 divided by 13)		$	1,303,090,000
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)		$	5,307,401
Line 18	Jurisdictional Sales			17,114,071 MWH
Line 19	Total Sales			17,609,348 MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)			97.19%
Line 21	**Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)**		**$**	**5,158,126**

TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS - ACTUAL
JANUARY 2001 - DECEMBER 2001

PLANT / UNIT	12 MONTH ADJ. ACTUAL PERFORMANCE		WEIGHTING FACTOR %	UNIT POINTS	WEIGHTED UNIT POINTS
BIG BEND 1	63.9%	EAF	6.61%	-7.500	-0.495
BIG BEND 2	73.4%	EAF	3.33%	-6.338	-0.211
BIG BEND 3	71.3%	EAF	6.78%	-0.526	-0.036
BIG BEND 4	82.3%	EAF	3.31%	-2.963	-0.098
GANNON 5	61.2%	EAF	2.34%	-6.990	-0.163
GANNON 6	75.0%	EAF	5.57%	10.000	0.557
POLK 1	82.8%	EAF	3.95%	10.000	0.395
BIG BEND 1	10530	ANOHR	9.17%	-6.920	-0.635
BIG BEND 2	10079	ANOHR	9.19%	-2.739	-0.252
BIG BEND 3	9917	ANOHR	10.24%	0.000	0.000
BIG BEND 4	10197	ANOHR	11.86%	-5.298	-0.628
GANNON 5	10790	ANOHR	5.54%	0.000	0.000
GANNON 6	10569	ANOHR	7.81%	0.000	0.000
POLK 1	10254	ANOHR	14.31%	-0.314	-0.045
			100.00%		-1.611

GPIF REWARD $ (831,029)

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	WEIGHTING FACTOR (%)	EAF TARGET (%)	EAF RANGE MAX. (%)	EAF RANGE MIN. (%)	MAX. FUEL SAVINGS ($000)	MAX. FUEL LOSS ($000)	EAF ADJUSTED ACTUAL (%)	ACTUAL FUEL SAVINGS/ LOSS ($000)
BIG BEND 1	6 61%	69 9	73 9	61 9	1,593 1	(2,466.1)	63 9%	(1,849 6)
BIG BEND 2	3.33%	77.9	81 5	70 8	802 7	(1,925.1)	73 4%	(1,220.1)
BIG BEND 3	6.78%	71 8	76 6	62 3	1,635.0	(3,403 7)	71 3%	(179 1)
BIG BEND 4	3.31%	83 9	86.5	78.5	797.8	(2,241 5)	82.3%	(664 1)
GANNON 5	2.34%	68.4	73.6	58 1	563 3	(1,553 7)	61.2%	(1,086.1)
GANNON 6	5.57%	67.4	72 8	56.7	1,343.6	(3,174 7)	75.0%	3,174 7
POLK 1	3 95%	78.5	81 5	72 0	952 0	(1,830 9)	82 8%	1.830 9
GPIF SYSTEM	**31.88%**				**7,687.5**	**(16,595.7)**		

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	9 17%	10,118	82.8	9,556	10,680	2,212 0	(2,212.0)	10,530	(1,530.7)
BIG BEND 2	9.19%	9,895	87 8	9,422	10,368	2,216 0	(2,216 0)	10,079	(606.9)
BIG BEND 3	10 24%	9,932	80.8	9,356	10,508	2,469.0	(2,469 0)	9,917	0 0
BIG BEND 4	11.86%	9,944	87.1	9,533	10,355	2,860 0	(2,860 0)	10,197	(1,515 1)
GANNON 5	5.54%	10,762	64.6	10,081	11,443	1,336.0	(1,336 0)	10,790	0.0
GANNON 6	7.81%	10,596	68 5	10,017	11,175	1,884 0	(1,884 0)	10,569	0.0
POLK 1	14.31%	10,146	93 6	9,019	11,273	3,450.0	(3,450 0)	10,254	(108 2)
GPIF SYSTEM	**68.12%**					**16,427.0**	**(16,427.0)**		

TAMPA ELECTRIC COMPANY
UNIT PERFORMANCE DATA - ACTUAL
JANUARY 2001 - DECEMBER 2001

PLANT / UNIT	ACTUAL EAF (%)	ADJUSTMENTS (1) TO EAF (%)	EAF ADJUSTED ACTUAL (%)
BIG BEND 1	63.3	0.6	63.9
BIG BEND 2	73.3	0.1	73.4
BIG BEND 3	75.7	-4.4	71.3
BIG BEND 4	78.1	4.2	82.3
GANNON 5	58.3	2.9	61.2
GANNON 6	74.6	0.4	75.0
POLK 1	86.4	-3.6	82.8

PLANT / UNIT	ACTUAL ANOHR (Btu/kwh)	ADJUSTMENTS (2) TO ANOHR (Btu/kwh)	ANOHR ADJUSTED ACTUAL (Btu/kwh)
BIG BEND 1	10717	-187	10530
BIG BEND 2	10289	-210	10079
BIG BEND 3	10397	-480	9917
BIG BEND 4	10382	-185	10197
GANNON 5	10763	27	10790
GANNON 6	10595	-26	10569
POLK 1	10725	-471	10254

(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 2001 - DECEMBER 2001

WEIGHTING FACTOR = 6.61%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8760.0	8760.0	8760.0
EAF	69.9	63.3	63.9
POH	1176.0	1249.0	1176.0
FOH + EFOH	811.0	1082.3	1092.8
MOH + EMOH	652.0	885.0	893.6
POF	13.4	14.3	13.4
EFOF	9.3	12.4	12.5
EMOF	7.4	10.1	10.2
	-7.500	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 1176}{8760 - 1249} \quad (1082.3 + 885) \quad = \quad 1986.4$$

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

$$100 - 13.4 - \frac{1986.4}{8760.0} \times 100 \quad = \quad 63.9$$

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 PERFORMANCE
BIG BEND UNIT NO. 2
JANUARY 2001 - DECEMBER 2001

WEIGHTING FACTOR = 3.33%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8760.0	8760.0	8760.0
EAF	77.9	73.3	73 4
POH	504.0	517.5	504.0
FOH + EFOH	834.0	1248.7	1250.7
MOH + EMOH	594.0	570.6	571.5
POF	5.8	5.9	5.8
EFOF	9.5	14.3	14.3
EMOF	6.8	6.5	6.5
	-6.338	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 504}{8760 - 517.5} \quad (1248.7 + 570.6) \quad = \quad 1822.3$$

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

$$100 - 5.8 - \frac{1822.3}{8760.0} \times 100 \quad = \quad 73.4$$

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. 3
JANUARY 2001 - DECEMBER 2001

WEIGHTING FACTOR = 6.78%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8760.0	8760.0	8760.0
EAF	71.8	75.7	71.3
POH	504.0	0.0	504.0
FOH + EFOH	1329.0	1260.1	1187.6
MOH + EMOH	636.0	872.4	822.2
POF	5.8	0.0	5.8
EFOF	15.2	14.4	13.6
EMOF	7.3	10.0	9.4
	-0.526	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 504}{8760 - 0} \quad (1260.1 + 872.4) \quad = \quad 2009.8$$

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

$$100 - 5.8 - \frac{2009.8}{8760.0} \times 100 \quad = \quad 71.3$$

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
BIG BEND UNIT NO. 4
JANUARY 2001 - DECEMBER 2001

WEIGHTING FACTOR = 3.31%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8760.0	8760.0	8760.0
EAF	83.9	78.1	82.3
POH	336.0	755.2	336.0
FOH + EFOH	581.0	779.3	820.1
MOH + EMOH	497.0	380.3	400.2
POF	3.8	8.6	3.8
EFOF	6.6	8.9	9.4
EMOF	5.7	4.3	4.6
	-2.963	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 336}{8760 - 755.2} \quad (779.3 + 380.3) \quad = \quad 1220.3$$

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

$$100 - 3.8 - \frac{1220.3}{8760.0} \times 100 \quad = \quad 82.3$$

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
GANNON UNIT NO. 5
JANUARY 2001 - DECEMBER 2001

WEIGHTING FACTOR = 2.34%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8760.0	8760.0	8760.0
EAF	68.4	58.3	61.2
POH	672.0	1057.5	672.0
FOH + EFOH	1529.0	2068.3	2171.8
MOH + EMOH	566.0	525.4	551.7
POF	7.7	12.1	7.7
EFOF	17.5	23.6	24.8
EMOF	6.5	6.0	6.3
	-6.990	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 672}{8760 - 1057.5} \quad (2068.3 + 525.4) \quad = \quad 2723.5$$

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

$$100 - 7.7 - \frac{2723.5}{8760.0} \times 100 \quad = \quad 61.2$$

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
GANNON UNIT NO. 6
JANUARY 2001 - DECEMBER 2001

WEIGHTING FACTOR = 5.57%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8760.0	8760.0	8760.0
EAF	67.4	74.6	75.0
POH	672.0	716.0	672.0
FOH + EFOH	1618.0	1411.8	1419.5
MOH + EMOH	566.0	95.3	95.8
POF	7.7	8.2	7.7
EFOF	18.5	16.1	16.2
EMOF	6.5	1.1	1.1
	10.000	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 672}{8760 - 716} \quad (1411.8 + 95.3) \quad = \quad 1515.3$$

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

$$100 - 7.7 - \frac{1515.3}{8760.0} \times 100 \quad = \quad 75.0$$

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
POLK UNIT NO. 1
JANUARY 2001 - DECEMBER 2001

WEIGHTING FACTOR = 3.95%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
PH	8760.0	8760.0	8760.0
EAF	78.5	86.4	82.8
POH	672.0	327.8	672.0
FOH + EFOH	809.0	705.1	676.3
MOH + EMOH	404.0	159.7	153.2
POF	7.7	3.7	7.7
EFOF	9.2	8.0	7.7
EMOF	4.6	1.8	1.7
	10.000	**EQUIVALENT AVAILABILITY POINTS**	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

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

$$\frac{8760 - 672}{8760 - 327.8} \quad (705.1 + 159.7) = 829.5$$

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

$$100 - 7.7 - \frac{829.5}{8760.0} \times 100 = 82.8$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 1
JANUARY 2001 - DECEMBER 2001

WEIGHTING FACTOR = 9.17%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10118	10717
NET GENERATION (GWH)	2401.1	1983.0
OPERATING BTU (10^9)	24293.839	21251.547
NET OUTPUT FACTOR	82.8	71.1

-6.920 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-15.979) + 11441 = ANOHR

71.1 * (-15.979) + 11441 = 10305

10717 - 10305 = 412

10118 + 412 = 10530 ← 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 2001 - DECEMBER 2001

WEIGHTING FACTOR = 9.19%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	9895	10289
NET GENERATION (GWH)	2852.6	2316.0
OPERATING BTU (10^9)	28226.714	23828.457
NET OUTPUT FACTOR	87.8	74.8

-2.739 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-16.149) + 11313 = ANOHR

74.8 * (-16.149) + 11313 = 10105

10289 - 10105 = 184

9895 + 184 = 10079 ← 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 2001 - DECEMBER 2001

WEIGHTING FACTOR = 10.24%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	9932	10397
NET GENERATION (GWH)	2566.9	2370.4
OPERATING BTU (10^9)	25494.004	24646.206
NET OUTPUT FACTOR	80.8	72.8

0.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-60.013) + 14781 = ANOHR

72.8 * (-60.013) + 14781 = 10412

10397 - 10412 = -15

9932 + -15 = 9917 ← 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 2001 - DECEMBER 2001

WEIGHTING FACTOR = 11.86%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	9944	10382
NET GENERATION (GWH)	3055.0	2597.3
OPERATING BTU (10^9)	30377.748	26965.491
NET OUTPUT FACTOR	87.1	82.2

-5.298 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-37.857) + 13241 = ANOHR

82.2 * (-37.857) + 13241 = 10129

10382 - 10129 = 253

9944 + 253 = 10197 ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
GANNON UNIT NO. 5
JANUARY 2001 - DECEMBER 2001

WEIGHTING FACTOR = 5.54%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10762	10763
NET GENERATION (GWH)	1093.0	899.9
OPERATING BTU (10^9)	11763.222	9685.980
NET OUTPUT FACTOR	64.6	67.8

0.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-8.6611) + 11322 = ANOHR

67.8 * (-8.6611) + 11322 = 10735

10763 - 10735 = 28

10762 + 28 = 10790 ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
GANNON UNIT NO. 6
JANUARY 2001 - DECEMBER 2001

WEIGHTING FACTOR = 7.81%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10596	10595
NET GENERATION (GWH)	1822.9	2012.9
OPERATING BTU (10^9)	19316.263	21326.884
NET OUTPUT FACTOR	68.5	72.8

0.000 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(5.8759) + 10194 = ANOHR

72.8 * (5.8759) + 10194 = 10622

10595 - 10622 = -27

10596 + -27 = 10569 ← 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 2001 - DECEMBER 2001

WEIGHTING FACTOR = 14.31%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10146	10725
NET GENERATION (GWH)	1612.9	1389.7
OPERATING BTU (10^9)	16364.823	14905.034
NET OUTPUT FACTOR	93.6	84.1

-0.314 **HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: NOF*(-49.528) + 14782 = ANOHR

84.1 * (-49.528) + 14782 = 10617

10725 - 10617 = 108

10146 + 108 = 10254 ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

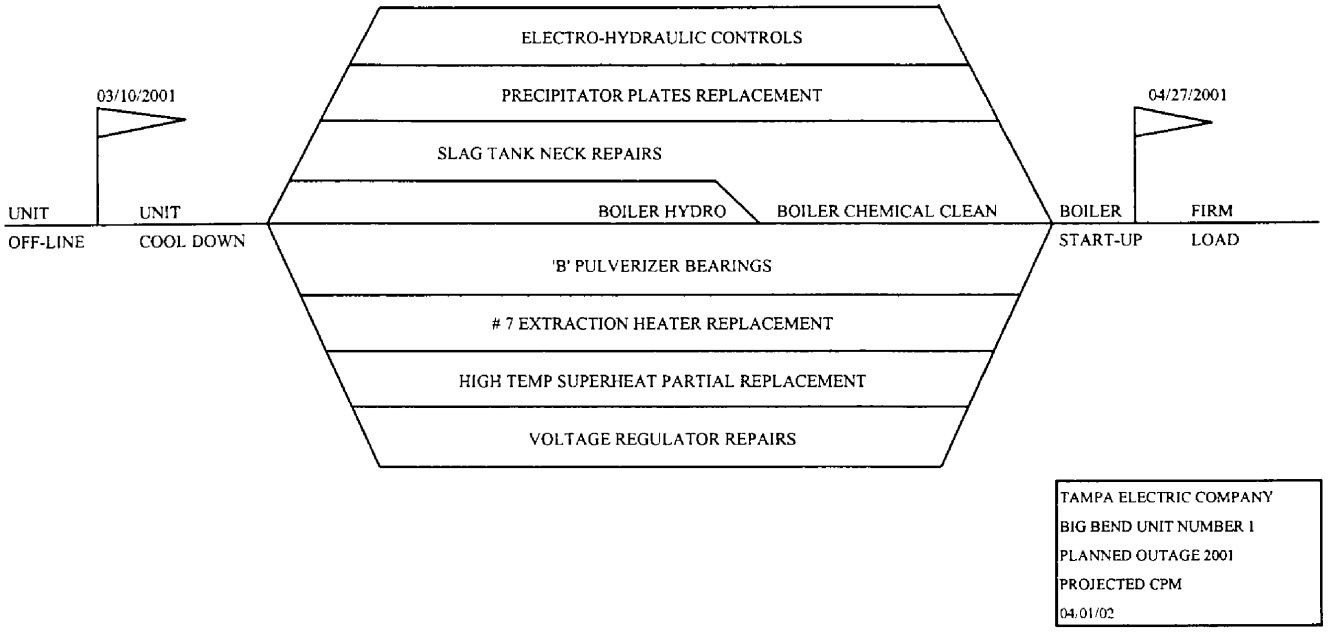
ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ACTUAL)
GPIF UNITS
JANUARY 2001 - DECEMBER 2001

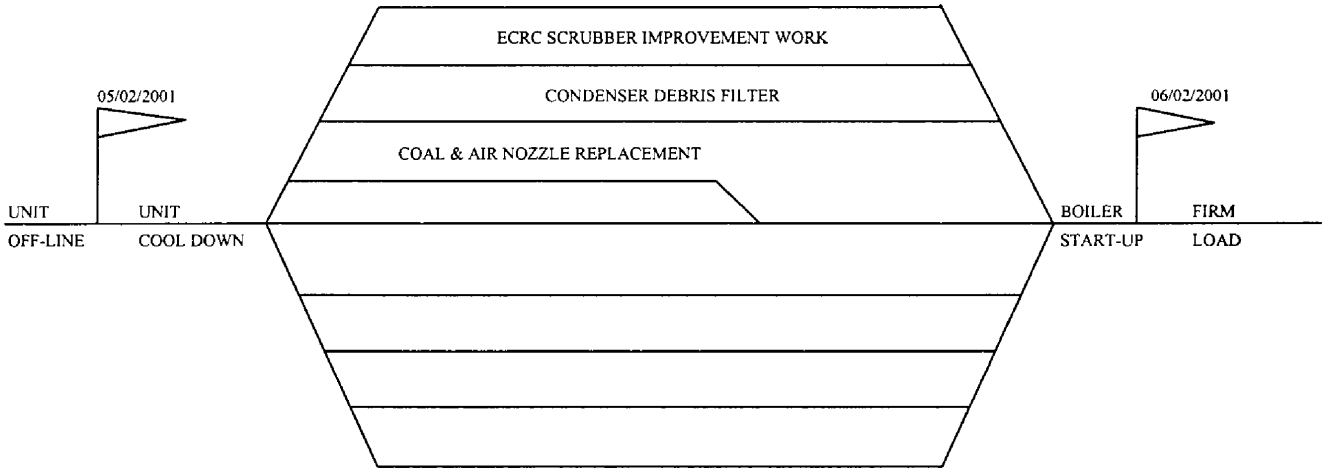
	PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DESCRIPTION
	BIG BEND 1	Mar 10 - Apr 30	#7 Extraction Heater, Precipitator Plate, Boiler Chemical Clean, Boiler Hydro, Voltage Regulator, partial High Temp Superheater, Electro-hydraulic Controls, "B" Pulverizer Bearings, and Slag Tank Neck repairs
+	BIG BEND 2	Feb 17 - Mar 10	Fuel System Clean-up
	BIG BEND 4	May 02 - Jun 02	ECRC Scrubber Improvement Work, Condenser Debris Filter, Coal & Air Nozzle Replacement
	GANNON 5	Feb 17 - Apr 01	Boiler Insp and repairs,Boiler gas leaks repair, Precipitator and flyash insp and repairs, Turbine throttle and governor valves overhauled, Tunnel and condenser cleaned, 5A pulv gear reducer replaced and bull gear replaced, Highenergy piping inspections performed, Generator visual Insp done, Boiler chem clean
	GANNON 6	Mar 31 - Apr 29	Boiler inspections & repairs, Tunnel and condenser cleaned, Tunnel and "B" boot coating repairs, Precipitator gas leaks repaired, Turbine throttle and governor valves overhauled, 2 cold reheat hangers replaced, Burner and coal pipes repaired, High energy steam piping inspected and repaired, 4 boiler expansion joints replaced
+	POLK 1	Mar 16 - Apr 13	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 2001 - DECEMBER 2001

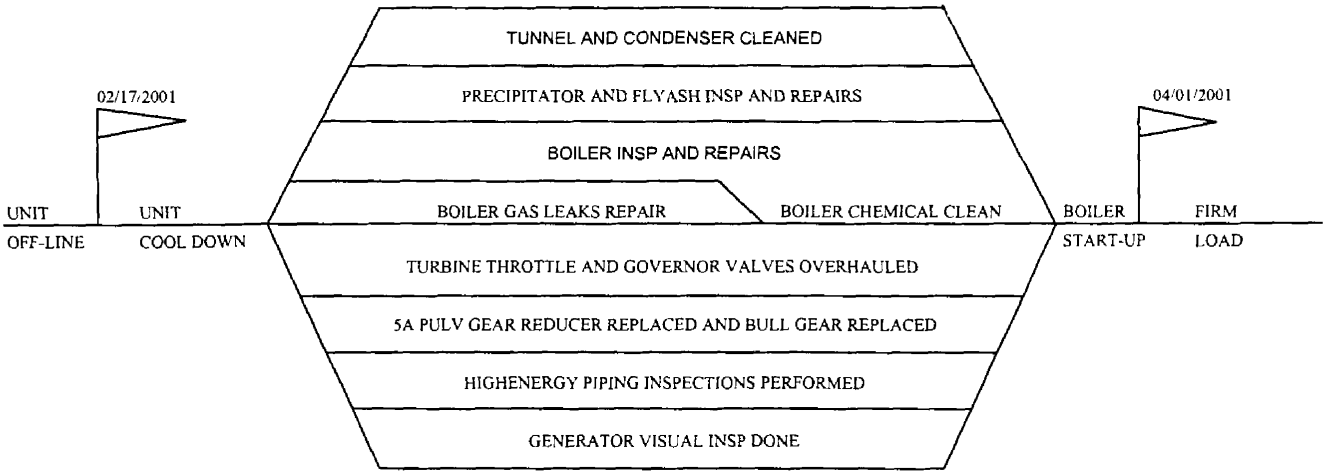


TAMPA ELECTRIC COMPANY
BIG BEND UNIT NUMBER 1
PLANNED OUTAGE 2001
PROJECTED CPM
04/01/02

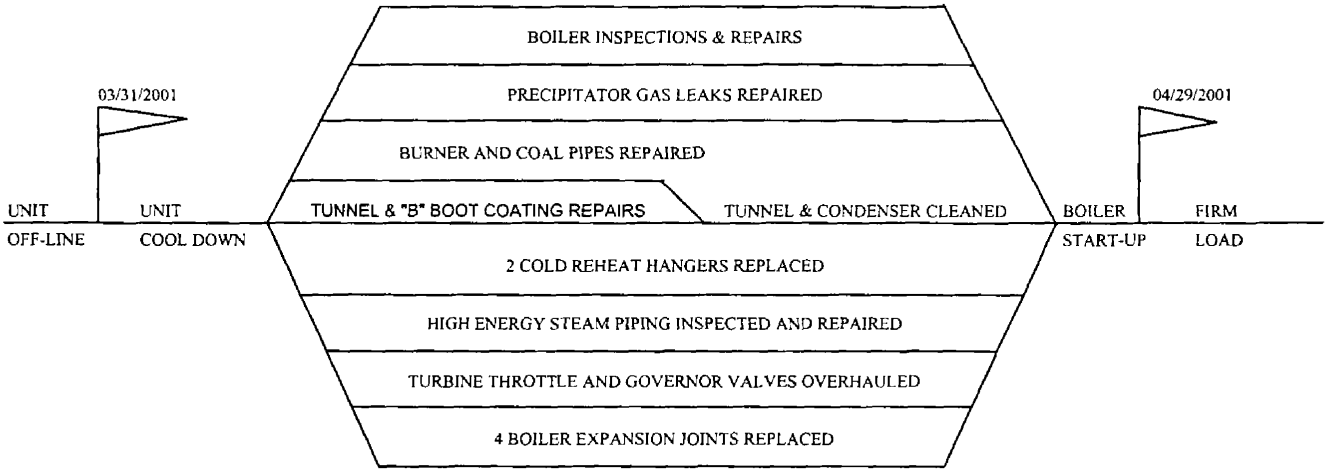


TAMPA ELECTRIC COMPANY
BIG BEND UNIT NUMBER 4
PLANNED OUTAGE 2001
PROJECTED CPM
04/01/02

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2001 - DECEMBER 2001



TAMPA ELECTRIC COMPANY
GANNON UNIT NUMBER 5
PLANNED OUTAGE 2001
PROJECTED CPM
04'01 02



TAMPA ELECTRIC COMPANY
GANNON UNIT NUMBER 6
PLANNED OUTAGE 2001
PROJECTED CPM
04/01/02

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2001 - DECEMBER 2001

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,593.1	73 9	+10	2,212.0	9,556
+9	1,433.8	73.5	+9	1,990.8	9,605
+8	1,274.5	73 1	+8	1,769.6	9,653
+7	1,115 2	72.7	+7	1,548 4	9,702
+6	955.9	72.3	+6	1,327.2	9,751
+5	796.6	71 9	+5	1,106.0	9,800
+4	637.2	71.5	+4	884 8	9,848
+3	477.9	71.1	+3	663.6	9,897
+2	318.6	70.7	+2	442.4	9,946
+1	159 3	70 3	+1	221 2	9,994
					10.043
0	0 0	69 9	0	0 0	10,118
					10,193
-1	(246.6)	69.1	-1	(221.2)	10,242
-2	(493.2)	68 3	-2	(442.4)	10,290
-3	(739.8)	67.5	-3	(663 6)	10,339
-4	(986.4)	66.7	-4	(884 8)	10,388
-5	(1,233 1)	65.9	-5	(1,106.0)	10,437
-6	(1,479 7)	65.1	-6	(1,327.2)	10,485
-7	(1,726.3)	64.3	-7	(1,548 4)	10,534
-8	(1,972.9)	63.5	-8	(1,769.6)	10,583
-9	(2,219.5)	62.7	-9	(1,990 8)	10,631
-10	(2,466.1)	61.9	-10	(2,212 0)	10,680

EAF POINTS -7.500

Adjusted EAF 63.9

AHR POINTS -6.920

Adjusted ANOHR 10530

Weighting Factor = 6 61%

Weighting Factor = 9.17%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2001 - DECEMBER 2001

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	802.7	81 5	+10	2,216 0	9,422
+9	722.4	81 1	+9	1,994 4	9,462
+8	642.2	80.8	+8	1,772 8	9,502
+7	561 9	80.4	+7	1,551.2	9,541
+6	481 6	80.1	+6	1,329 6	9,581
+5	401 4	79.7	+5	1,108.0	9,621
+4	321.1	79.3	+4	886.4	9,661
+3	240 8	79.0	+3	664 8	9,701
+2	160 5	78 6	+2	443.2	9,740
+1	80.3	78 3	+1	221 6	9,780
					9,820
0	0.0	77 9	0	0.0	9,895
					9,970
-1	(192.5)	77.2	-1	(221 6)	10,010
-2	(385 0)	76.5	-2	(443.2)	10,050
-3	(577.5)	75 8	-3	(664 8)	10,089
-4	(770.0)	75.1	-4	(886.4)	10,129
-5	(962.6)	74.4	-5	(1,108 0)	10,169
-6	(1,155.1)	73.6	-6	(1,329.6)	10,209
-7	(1,347.6)	72.9	-7	(1,551.2)	10,249
-8	(1,540.1)	72.2	-8	(1,772.8)	10,288
-9	(1,732.6)	71 5	-9	(1,994.4)	10,328
-10	(1,925.1)	70.8	-10	(2,216.0)	10,368

EAF POINTS -6.338

Adjusted EAF 73.4

AHR POINTS -2.739

Adjusted ANOHR 10079

Weighting Factor = 3.33%

Weighting Factor = 9 19%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2001 - DECEMBER 2001

BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,635 0	76 6	+10	2,469 0	9.356
+9	1,471 5	76 1	+9	2,222 1	9,406
+8	1,308.0	75.6	+8	1,975.2	9,456
+7	1,144.5	75.2	+7	1,728.3	9,506
+6	981.0	74.7	+6	1,481.4	9,556
+5	817.5	74.2	+5	1,234.5	9,607
+4	654 0	73.7	+4	987.6	9,657
+3	490 5	73.2	+3	740.7	9,707
+2	327.0	72.8	+2	493.8	9,757
+1	163.5	72 3	+1	246 9	9,807
					9,857
0 EAF POINTS -0.526	0.0	71.8 Adjusted EAF 71.3	0 AHR POINTS 0.000	0 0	Adjusted ANOHF 9917 9,932
					10,007
-1	(340.4)	70.9	-1	(246.9)	10,057
-2	(680.7)	69.9	-2	(493.8)	10,107
-3	(1,021.1)	69 0	-3	(740 7)	10,157
-4	(1,361.5)	68 0	-4	(987 6)	10,207
-5	(1,701 9)	67.1	-5	(1,234.5)	10,258
-6	(2,042.2)	66 1	-6	(1,481.4)	10,308
-7	(2,382.6)	65 2	-7	(1,728.3)	10,358
-8	(2,723.0)	64 2	-8	(1,975.2)	10,408
-9	(3,063.3)	63.3	-9	(2,222 1)	10,458
-10	(3,403.7)	62.3	-10	(2,469.0)	10,508

Weighting Factor = 6.78%

Weighting Factor = 10 24%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2001 - DECEMBER 2001

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	797 8	86.5	+10	2,860 0	9,533
+9	718.0	86 2	+9	2,574 0	9,567
+8	638 2	86.0	+8	2,288.0	9,600
+7	558 5	85 7	+7	2,002.0	9,634
+6	478.7	85 5	+6	1,716.0	9,667
+5	398 9	85.2	+5	1,430 0	9,701
+4	319.1	84.9	+4	1,144.0	9,735
+3	239.3	84 7	+3	858 0	9,768
+2	159 6	84 4	+2	572 0	9,802
+1	79 8	84 2	+1	286 0	9,835
					9,869
0	0.0	83.9	0	0.0	9,944
					10,019
-1	(224.2)	83.4	-1	(286.0)	10,053
-2	(448.3)	82.8	-2	(572.0)	10,086
-3	(672.5)	82.3	-3	(858.0)	10,120
-4	(896 6)	81.7	-4	(1,144 0)	10,153
-5	(1,120 8)	81.2	-5	(1,430 0)	10,187
-6	(1,344.9)	80.7	-6	(1,716.0)	10,221
-7	(1,569.1)	80.1	-7	(2,002 0)	10,254
-8	(1,793.2)	79 6	-8	(2,288.0)	10,288
-9	(2,017 4)	79 0	-9	(2,574 0)	10,321
-10	(2,241.5)	78.5	-10	(2,860.0)	10,355

EAF POINTS -2.963

Adjusted EAF 82.3

AHR POINTS -5.298

Adjusted ANOHR 10197

Weighting Factor = 3 31%

Weighting Factor = 11 86%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2001 - DECEMBER 2001

GANNON 5

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	563 3	73.6	+10	1,336.0	10.081
+9	507 0	73 1	+9	1,202 4	10.142
+8	450.6	72.6	+8	1,068 8	10,202
+7	394.3	72.0	+7	935.2	10,263
+6	338.0	71.5	+6	801.6	10,323
+5	281 7	71 0	+5	668.0	10,384
+4	225.3	70.5	+4	534.4	10,445
+3	169 0	70 0	+3	400.8	10,505
+2	112 7	69 4	+2	267.2	10,566
+1	56 3	68.9	+1	133 6	10,626
					10,687
0	0.0	68 4	0	0 0	10,762
					10,837
-1	(155 4)	67.4	-1	(133.6)	10,898
-2	(310.7)	66 3	-2	(267.2)	10,958
-3	(466.1)	65 3	-3	(400 8)	11,019
-4	(621.5)	64.3	-4	(534.4)	11,079
-5	(776 9)	63 3	-5	(668.0)	11,140
-6	(932.2)	62.2	-6	(801 6)	11,201
-7	(1,087.6)	61.2	-7	(935 2)	11,261
-8	(1,243 0)	60.2	-8	(1,068.8)	11,322
-9	(1,398 3)	59.1	-9	(1,202.4)	11,382
-10	(1,553.7)	58.1	-10	(1,336 0)	11,443

EAF POINTS 6.990

Adjusted EAF 61.2

AHR POINTS 0.000

Adjusted ANOHR 10790

Weighting Factor = 2 34%

Weighting Factor = 5.54%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2001 - DECEMBER 2001

GANNON 6

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10 ← EAF POINTS 10.000	1,343.6	72 8 → Adjusted EAF 75.0	+10	1,884.0	10,017
+9	1,209.2	72 3	+9	1,695 6	10,067
+8	1,074.9	71 7	+8	1,507 2	10,118
+7	940.5	71 2	+7	1,318.8	10,168
+6	806 2	70 6	+6	1,130 4	10,219
+5	671.8	70.1	+5	942 0	10,269
+4	537.4	69 6	+4	753 6	10,319
+3	403.1	69 0	+3	565.2	10,370
+2	268.7	68 5	+2	376.8	10,420
+1	134 4	67 9	+1	188.4	10,471
					10,521
0	0.0	67 4	0 ← AHR POINTS 0.000	0.0	→ Adjusted ANOHR 10569 10,596
					10,671
-1	(317.5)	66.3	-1	(188 4)	10,721
-2	(634.9)	65 3	-2	(376 8)	10,772
-3	(952 4)	64.2	-3	(565.2)	10,822
-4	(1,269 9)	63 1	-4	(753 6)	10,873
-5	(1,587 4)	62.1	-5	(942.0)	10,923
-6	(1,904 8)	61 0	-6	(1,130.4)	10,973
-7	(2,222 3)	59.9	-7	(1,318 8)	11,024
-8	(2,539 8)	58 8	-8	(1,507 2)	11,074
-9	(2,857.2)	57 8	-9	(1,695.6)	11,125
-10	(3,174.7)	56.7	-10	(1,884 0)	11,175
Weighting Factor =		5 57%	Weighting Factor =		7 81%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2001 - DECEMBER 2001

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 ← EAF POINTS 10.000	952.0	81.5 → Adjusted EAF 82.8	+10	3,450.0	9,019
+9	856 8	81 2	+9	3,105 0	9,124
+8	761 6	80.9	+8	2,760.0	9,229
+7	666.4	80.6	+7	2,415.0	9,335
+6	571.2	80.3	+6	2,070.0	9,440
+5	476.0	80.0	+5	1,725.0	9,545
+4	380.8	79.7	+4	1,380 0	9,650
+3	285.6	79.4	+3	1,035.0	9,755
+2	190 4	79 1	+2	690.0	9,861
+1	95.2	78.8	+1	345.0	9,966
					10,071
0	0.0	78.5	0 ← AHR POINTS -0.314	0 0 → Adjusted ANOHR 10254	10,146
					10,221
-1	(183 1)	77 9	-1	(345 0)	10,326
-2	(366 2)	77 2	-2	(690.0)	10,431
-3	(549 3)	76 6	-3	(1,035.0)	10.537
-4	(732.4)	75.9	-4	(1,380.0)	10,642
-5	(915.5)	75 3	-5	(1,725.0)	10,747
-6	(1,098.5)	74.6	-6	(2,070 0)	10,852
-7	(1,281.6)	74.0	-7	(2,415.0)	10,957
-8	(1,464.7)	73 3	-8	(2,760.0)	11,063
-9	(1,647.8)	72.7	-9	(3,105 0)	11,168
-10	(1,830.9)	72.0	-10	(3,450 0)	11,273

Weighting Factor = 3.95%

Weighting Factor = 14.31%

TAMPA ELECTRIC COMPANY
COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 01 - DEC 01 POF	EUOF	EUOR	CTUAL PERFORMANC JAN 01 - DEC 01 POF	EUOF	EUOR
BIG BEND 1	6.61%	20.7%	13.4	16.7	19.3	14.3	22.5	26.2
BIG BEND 2	3.33%	10.4%	5.8	16.3	17.3	5.9	20.8	22.1
BIG BEND 3	6.78%	21.3%	5 8	22.4	23.8	0.0	24.3	24.3
BIG BEND 4	3.31%	10.4%	3.8	12.3	12.8	8.6	13.2	14.5
GANNON 5	2.34%	7.3%	7.7	23.9	25.9	12.1	29.6	33.7
GANNON 6	5.57%	17.5%	7.7	24.9	27.0	8.2	17.2	18.7
POLK 1	3.95%	12.4%	7.7	13.8	15.0	3.7	9.9	10.3
GPIF SYSTEM	**31.88%**	**100.0%**	**7.9**	**19.0**	**20.7**	**7.2**	**19.8**	**21.4**
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (				**73.1**			**73.0**	

3 PERIOD AVERAGE POF	EUOF	EUOR	3 PERIOD AVERAGE EAF
8.4	**21.1**	**23.2**	**70.5**

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET HEAT RATE JAN 01 - DEC 01	ADJUSTED ACTUAL HEAT RATE JAN 01 - DEC 01
BIG BEND 1	9.17%	13.5%	10,118	10,530
BIG BEND 2	9.19%	13.5%	9,895	10,079
BIG BEND 3	10.24%	15.0%	9,932	9,917
BIG BEND 4	11.86%	17.4%	9,944	10,197
GANNON 5	5.54%	8.1%	10,762	10,790
GANNON 6	7.81%	11.5%	10,596	10,569
POLK 1	14.31%	21.0%	10,146	10,254
GPIF SYSTEM	**68.12%**	**100.0%**		
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)			**10,143**	**10,287**

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
JANUARY 2001 - DECEMBER 2001

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 =	6.61%	*	(BB 1 EAP)	+	3.33%	*	(BB 2 EAP)	+	6.78%	*	(BB 3 EAP)
+	3.31%	*	(BB 4 EAP)	+	2.34%	*	(GN 5 EAP)	+	5.57%	*	(GN 6 EAP)
+	3.95%	*	(PK 1 EAP)	+	9.17%	*	(BB 1 AHRP)	+	9.19%	*	(BB 2 AHRP)
+	10.24%	*	(BB 3 AHRP)	+	11.86%	*	(BB 4 AHRP)	+	5.54%	*	(GN 5 AHRP)
+	7.81%	*	(GN 6 AHRP)	+	14.31%	*	(PK 1 AHRP)				

GPIP =	6.61%	*	-7.500	+	3.33%	*	-6.338	+	6.78%	*	-0.526
+	3.31%	*	-2.963	+	2.34%	*	-6.990	+	5.57%	*	10.000
+	3.95%	*	10.000	+	9.17%	*	-6.920	+	9.19%	*	-2.739
+	10.24%	*	0.000	+	11.86%	*	-5.298	+	5.54%	*	0.000
+	7.81%	*	0.000	+	14.31%	*	-0.314				

GPIP =	-0.495	+	-0.211	+	-0.036
+	-0.098	+	-0.163	+	0.557
+	0.395	+	-0.635	+	-0.252
+	0.000	+	-0.628	+	0.000
+	0.000	+	-0.045		

GPIP = -1.611 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 = ($831,029)

EXHIBIT NO. _____
DOCKET NO. 020001-EI
TAMPA ELECTRIC COMPANY
(WAS-1)
DOCUMENT NO. 2

EXHIBITS TO THE TESTIMONY OF

WILLIAM A. SMOTHERMAN

DOCKET NO. 020001-EI

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE FACTOR

JANUARY 2001 - DECEMBER 2001

TRUE-UP

DOCUMENT NO. 2

ACTUAL UNIT PERFORMANCE DATA

TAMPA ELECTRIC COMPANY
ACTUAL UNIT PERFORMANCE DATA
JANUARY 2001 - DECEMBER 2001
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ORIGINAL SHEET NO 8 401 01A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2001 - DECEMBER 2001

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 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1 EAF (%)	77 5	82 0	26 0	0 0	63 7	74 5	78 5	82 0	68.1	58 0	77 5	71 9	63 3
2 PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
3 SH	634 5	595 4	214 5	0 0	525 9	612 7	690 9	691 5	648 9	706 7	620 4	629 9	6571 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	109 5	76 6	529 6	719 0	218 1	107 4	53 1	52 5	71 1	38 3	99 6	114 1	2188 8
6 POH	0 0	0 0	529.6	719 0	0 5	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1249 0
7 FOH	0 0	76 6	0 0	0 0	91 5	73 1	0 0	2 6	8 9	7 3	0 7	92 9	353 7
8 MOH	109 5	0 0	0 0	0 0	126 2	34 2	53 1	49 8	62 3	31 0	98 9	21 2	586 1
9 PFOH	582 8	301 7	212.9	0 0	421 3	546.6	621 3	630 1	607 3	316 4	486 3	516 4	5243 0
10 LR PF (MW)	38 3	51 0	42 0	0 0	27 4	41 7	52 5	36 9	98 2	185 1	39 0	61 0	58 3
11 PMOH	14 3	19 6	0 0	0 0	57 0	42 9	56 1	51 5	30 5	357 7	96 7	43 3	769 6
12 LR PM (MW)	177 5	186 4	0 0	0.0	176 1	211 6	210 5	205 4	203 6	155 5	72 9	203 2	162 9
13. NSC (MW)	426	426	426	416	416	416	416	416	416	416	416	426	419
14 OPR BTU(GBTU)	2175 7951	2122 8890	786 5433	0 0000	1784 7834	2103 6460	2230 8787	2458 8389	1959 8114	1721 4755	1968 6099	1938 2757	21251 5471
15 NET GEN (MWH)	218228	199070	71445	0	169322	193665	198827	219246	173580	152535	179187	176729	1951834
16 ANOHR (BTU/KWH)	9970	10664	11009	0	10541	10862	11220	11215	11291	11286	10986	10968	10888
17 NOF (%)	80 7	78 5	78 2	0 0	77 4	76 0	69 2	76 2	64 3	51 9	69 4	65 9	70 8
18 NPC (MW)	426	426	426	416	416	416	416	416	416	416	416	426	419

19 ANOHR EQUATION ANOHR = NOF(-15 979)+ 11441

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TAMPA ELECTRIC COMPANY

UNIT PERFORMANCE DATA w/o FGD

JANUARY 2001 - DECEMBER 2001

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 w/o FGD	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. OPR BTU (GBTU)	2175 8	2122 9	786 5	0 0	1784 8	2103 6	2230 9	2458 6	1959 8	1721 5	1968 6	1938 3	21251 5
2 NET GEN w/FGD (MWH)	218228	199070	71445	0	169322	193665	198827	219246	173580	152535	179187	176729	1951834
3 FGD CONSUMED (MWH)	3212 3	3461 0	1572 3	0 0	988 1	2913 0	3177 1	3286 5	2998 7	3552 9	3137 1	2841 9	31140 8
4. NET GEN w/o FGD (MWH)	221440 4	202530 8	73017 7	0 0	170310.1	196578 3	202003 9	222532.7	176579 2	156087 4	182324 0	179570 4	1982975 0
5. ANOHR w/FGD (BTU/KWH)	9970 3	10664 0	11009 0	0 0	10540.8	10862 3	11220 2	11215 0	11290 5	11285 8	10986 3	10967 5	10888 0
6 ANOHR w/o FGD (BTU/KWH)	9825 6	10481 8	10772 0	0 0	10479 6	10701 3	11043 7	11049 3	11098 8	11028 9	10797 3	10794 0	10717 0
7 NOF w/FGD (%)	80 7	78 5	78 2	0 0	77 4	76 0	69 2	76 2	64 3	51 9	69 4	65 9	70 8
8 NOF w/o FGD (%)	81 0	78 9	79,0	0 0	76 9	76 2	69 4	76 4	64 6	52 5	69 8	66 1	71 1
9 NPC (MW) w/FGD	426	426	426	416	416	416	416	416	416	416	416	426	419
10 NPC (MW) w/o FGD	431	431	431	421	421	421	421	421	421	421	421	431	424

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2001 - DECEMBER 2001

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 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1 EAF (%)	81 0	36 3	41 2	75 7	83 7	78 3	82 8	87.7	74 9	79 0	77.5	78 6	73 3
2 PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
3 SH	677 9	333.7	350 9	579 9	704 8	656 5	667.6	711 9	667 0	708 4	603 7	633 7	7295 8
4 RSH	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
5 UH	66 1	338 4	393 1	139 2	39 2	63 5	76 4	32 1	53 1	36 6	116 3	110 4	1464 2
6. POH	0 0	283 0	234 6	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	517.5
7. FOH	28 3	0 0	143 2	139 2	39 2	0 0	0 0	32 1	53 1	1 1	116 3	56 7	609 1
8 MOH	37 8	55 4	15 3	0 0	0 0	63 5	76.4	0 0	0 0	35 5	0 0	53 7	337 6
9 PFOH	318 1	287 2	134 4	197 2	414 2	566 5	351 6	189 3	535 7	592.5	610 3	253 2	4450 3
10 LR PF (MW)	80 7	129 6	114.1	51 4	53 3	45 9	36 5	80 1	86 7	58 3	15 3	53 3	60 3
11 PMOH	38 7	4 1	19 4	27 0	59 7	79 6	51 1	52 3	30 3	87 3	56 3	39 2	545 2
12 LR PM (MW)	168 3	229.4	185 6	171 7	203 2	157 8	167 3	180 3	220 4	177 3	173 8	188 1	179 2
13 NSC (MW)	426	426	426	416	416	416	416	416	416	416	416	426	419
14 OPR BTU(GBTU)	2169 4725	878.9907	1149 8610	2060 6212	2450 1284	2192 2035	2258 6334	2441.6212	2062 0373	2133 9378	1982.2089	2048 7410	23828 4568
15 NET GEN (MWH)	221337	84863	109206	199716	234128	204295	211189	229872	195788	202532	191839	194572	2279335
16. ANOHR (BTU/KWH)	9802	10358	10529	10318	10465	10731	10695	10622	10532	10536	10333	10529	10454
17 NOF (%)	76 6	59 7	73 0	82 8	79 9	74 8	76 0	77.6	70 6	68 7	76 4	72 1	74 5
18 NPC (MW)	426	426	426	416	416	416	416	416	416	416	416	426	419

19. ANOHR EQUATION ANOHR = NOF(-16 149) + 11313

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UNIT PERFORMANCE DATA w/o FGD

JANUARY 2001 - DECEMBER 2001

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 w/o FGD	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1 OPR BTU (GBTU)	2169.5	879 0	1149 9	2060 6	2450.1	2192 2	2258 6	2441 6	2062 0	2133 9	1982 2	2048 7	23828 5
2 NET GEN w/FGD (MWH)	221337	84863	109206	199716	234128	204295	211189	229872	195788	202532	191839	194572	2279335
3. FGD CONSUMED (MWH)	3368 5	1940 0	2677.9	4199 5	1359 0	2912 9	3280.4	3421 1	3251 9	3852.8	3263 7	3104 3	36632.0
4 NET GEN w/o FGD (MWH)	224705 0	86803.0	111883 9	203915 5	235487 5	207207.5	214469 2	233292 6	199040 0	206384 4	195102 2	197676 3	2315966 9
5 ANOHR w/FGD (BTU/KWH)	9801 7	10357 8	10529 3	10317 8	10464 9	10730 6	10694 9	10621 7	10532 0	10536 3	10332 7	10529 5	10454 0
6. ANOHR w/o FGD (BTU/KWH)	9654 8	10126 3	10277 3	10105 3	10404 5	10579 8	10531 3	10465 9	10359 9	10339 6	10159.8	10364 1	10288 8
7 NOF w/FGD (%)	76 6	59 7	73 0	82 8	79 9	74 8	76 0	77 6	70 6	68 7	76 4	72 1	74 5
8 NOF w/o FGD (%)	76 9	60 4	74.0	83 5	79 4	75 0	76 3	77 8	70 9	69 2	76 8	72 4	74 8
9 NPC (MW) w/FGD	426	426	426	416	416	416	416	416	416	416	416	426	419
10 NPC (MW) w/o FGD	431	431	431	421	421	421	421	421	421	421	421	431	424

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2001 - DECEMBER 2001

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 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	71 6	81.5	84 7	74 1	76 0	79 7	68 4	79 4	56 8	72 3	90 4	73 6	75 7
2 PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
3 SH	637 7	640 8	716 1	602 9	649 9	634 5	551 5	670 4	459 9	577 0	692 5	628.7	7461 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	106 4	31 2	27 9	116 1	94 1	85 5	192 5	73 7	260.1	168 0	27 5	115 3	1298 3
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	0 0	0 0	0 0	1.5	0 0	85 5	192 5	46 8	135 2	29 2	0 0	115 3	606 1
8 MOH	106 4	31 2	27 9	114 6	94 1	0 0	0 0	26 8	124 9	138 8	27.5	0 0	692 2
9 PFOH	568 8	598 7	594 9	569 0	723 2	585 6	503 2	588.3	444 6	546 1	138 5	414 3	6275 3
10 LR PF (MW)	56 3	64 1	41 6	45 7	42 2	35 2	30 1	46 9	48 0	24 4	53 3	68 3	45 5
11 PMOH	64 4	14 2	62 5	19 4	37 9	22 1	19 2	30 1	3 5	14 1	66 1	39 2	392 7
12 LR PM (MW)	224 3	209 5	212.6	215 8	161 9	250 5	172 7	223 1	178 9	226 5	162 7	190 1	200 2
13 NSC (MW)	443	443	443	433	433	433	433	433	433	433	433	443	436
14 OPR BTU(GBTU)	1956 2135	2049 6925	2551 1170	2060 7194	2048.9864	2160 3859	1840 7008	2344 6916	1602 0736	1929 6413	2250 2408	1851 7436	24646 2064
15 NET GEN (MWH)	191398	203470	246325	201238	199757	202009	177818	219766	152682	183123	218888	173938	2370412
16 ANOHR BTU/KWH	10221	10074	10357	10240	10257	10694	10352	10669	10493	10537	10280	10646	10397
17 NOF (%)	67 8	71 7	77 7	77 1	71 0	73 5	74 5	75 7	76 7	73 3	73.0	62.5	72 8
18 NPC (MW)	443	443	443	433	433	433	433	433	433	433	433	443	436

19 ANOHR EQUATION ANOHR = NOF(-60 013) + 14781

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2001 - DECEMBER 2001

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 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	92 2	80 0	88 8	97 2	3.5	89 9	98 3	82 1	72 7	93 6	77.4	63 2	78 1
2 PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
3 SH	729 5	565 3	708 8	719 0	26 2	656 5	744 0	623 4	557.3	707.7	583 0	500.4	7120 9
4. RSH	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
5 UH	14 5	106 7	35 2	0 0	717 8	63 6	0 0	120 6	162 7	37 3	137 0	243 7	1639 1
6 POH	0 0	0 0	0 0	0 0	717 8	37 4	0 0	0 0	0 0	0 0	0 0	0 0	755 2
7 FOH	14 5	0 0	0 0	0 0	0 0	0 0	0 0	0 0	162 7	37 3	137 0	243 7	595 2
8 MOH	0 0	106 7	35 2	0 0	0 0	26 2	0 0	120 6	0 0	0 0	0 0	0 0	288 7
9. PFOH	349 8	204 5	543 3	26.7	0 0	21 4	25 2	7 9	81 3	162 5	274 1	481 1	2177 7
10 LR PF (MW)	48 2	52 4	32 7	149 9	0 0	27 8	125 8	53 6	135 7	16 7	8 3	25 3	37 5
11 PMOH	34 1	8.0	19 6	21 7	0 0	19 2	14 2	25 8	27.1	7 1	53 5	7 0	237 1
12. LR PM (MW)	80 2	192 1	199 6	231 3	0 0	181 2	177 6	200 0	145 7	251 2	172.5	194 4	171 5
13 NSC (MW)	447	447	447	442	442	442	442	442	442	442	442	447	444
14 OPR BTU(GBTU)	2678 7835	2140 6735	2818 2435	2735 0992	116 2456	2524 2328	2854 7529	2508 4564	2077 7493	2646 2837	2105 2170	1759 7537	26965 4911
15 NET GEN (MWH)	270729	206407	271223	270664	8297	243079	274132	239172	196803	254699	198563	163541	2597308
16 ANOHR BTU/KWH	9895	10371	10391	10105	14011	10384	10414	10488	10558	10390	10602	10760	10382
17 NOF (%)	83 0	81 7	85 6	85 2	71 7	83 8	83 4	86 8	79 9	81 4	77 1	73 1	82 2
18. NPC (MW)	447	447	447	442	442	442	442	442	442	442	442	447	444

19. ANOHR EQUATION ANOHR = NOF(-37 857) + 13241

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ORIGINAL SHEET NO. 8 401 01A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2001 - DECEMBER 2001

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
GANNON 5	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1 EAF (%)	84 0	36.9	0.0	49 7	63 7	63 6	55 0	85 6	35.5	82 3	67 4	73 0	58 3
2 PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
3 SH	744 0	292 8	0 0	423 4	525 5	576.2	461 9	663 1	338 9	685 5	541 1	677 9	5930 2
4 RSH	0 0	0 0	0 0	0 0	0.0	0.0	0.0	0 0	0 0	0 0	10 7	0 0	10 7
5 UH	0 0	379 2	744 0	307 5	218.5	143 8	282.1	81 0	381 1	59 5	168 3	66 2	2831 1
6 POH	0 0	289 6	744 0	23 8	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1057 5
7. FOH	0 0	89 5	0 0	283 7	218 5	143 8	282 1	81 0	116.7	59 5	30 8	18 1	1323 6
8. MOH	0 0	0 0	0 0	0.0	0 0	0 0	0 0	0 0	264 4	0 0	137 5	48 1	450 0
9 PFOH	749 1	310 0	0 0	413 4	576 7	1003 0	323 6	254 0	260.2	687 9	553 6	896 6	6028 1
10 LR PF (MW)	31 5	29 9	0 0	30 3	15 8	27 3	37 8	20 4	46 0	22 4	24 0	29 6	27 6
11 PMOH	16 6	0 0	0 0	0 0	27 0	0 0	0 0	5 8	96 1	11 8	18 0	11 7	187 0
12. LR PM (MW)	61.0	0 0	0 0	0 0	104 2	0 0	0 0	142 0	75 8	119 1	118 4	118 3	90 1
13 NSC (MW)	207	207	207	232	232	232	232	232	232	232	232	207	224
14 OPR BTU(GBTU)	1176 4444	417 6848	0 0000	709 8394	937 1038	978 0187	759 6446	1223.0387	546 9525	1170 8234	777 4603	988.9696	9685 9802
15 NET GEN (MWH)	110880	37685	0	70247	88375	88720	72497	116138	46405	109312	73513	86136	899909
16 ANOHR BTU/KWH	10610	11083	#N/A	10105	10604	11024	10478	10531	11786	10711	10576	11481	10763
17 NOF (%)	72 0	62 2	0 0	71 5	72 5	66 4	67 6	75 5	59 0	68 7	58 6	61 4	67 8
18 NPC (MW)	207	207	207	232	232	232	232	232	232	232	232	207	224

19 ANOHR EQUATION ANOHR = NOF(-8 6611) + 11322

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2001 - DECEMBER 2001

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
GANNON 6	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1 EAF (%)	62 7	90 0	93 7	2 8	95 2	76.7	83 9	81 4	55 1	82 1	93 8	76 8	74 6
2 PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
3. SH	539 2	648 2	719 5	27 5	743 0	671 5	744 0	646 7	557 9	651 9	717 5	638 2	7304 9
4 RSH	0 0	0 0	0 0	0 0	0.0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
5 UH	204 8	23 8	24 5	691 5	1 0	48 6	0.0	97 3	162 1	93 1	2 6	105 9	1455 1
6. POH	0 0	0 0	24 5	691 5	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	716 0
7 FOH	173.7	23 8	0 0	0 0	1 0	48 6	0 0	97 3	162 1	93 1	2 6	105 9	708 0
8 MOH	31 1	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	31 1
9 PFOH	571 1	778 8	818 5	19 7	76 0	480 7	548 2	174 3	710 3	225 4	194 7	572 1	5169 7
10 LR PF (MW)	49 7	19 7	10 7	136 9	85 2	85 3	77 5	61 4	84 5	53 9	62.7	45 9	51 5
11 PMOH	0 0	8 1	0 8	0 0	36 0	17 6	10 9	31 8	0 0	18 2	23 3	0 0	146 8
12 LR PM (MW)	0 0	198 4	193 9	0 0	177 6	183 7	189 7	144 1	0 0	151 6	150 4	0 0	165 6
13 NSC (MW)	392	392	392	372	372	372	372	372	372	372	372	392	379
14 OPR BTU(GBTU)	1652 2760	1938 1023	2215 1488	55 9235	2290 7435	1860 4280	2055 7052	1998 1779	1502 2331	1903 5583	2027 9823	1826 6055	21326 8844
15. NET GEN (MWH)	163279	189573	221275	5600	226477	172202	192029	189873	120661	181504	185616	164830	2012919
16 ANOHR BTU/KWH	10119	10224	10011	9987	10115	10804	10705	10524	12450	10488	10926	11082	10595
17 NOF (%)	77 3	74 6	78 5	54 8	81 9	68 9	69 4	78 9	58 1	74 8	69.5	65 9	72 8
18 NPC (MW)	392	392	392	372	372	372	372	372	372	372	372	392	379

19 ANOHR EQUATION ANOHR = NOF(5.8759) + 10194

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2001 - DECEMBER 2001

PLANT/UNIT	MONTH OF	MONTH OF:	MONTH OF	MONTH OF	MONTH OF	MONTH OF	MONTH OF	MONTH OF	MONTH OF	MONTH OF.	MONTH OF	MONTH OF	PERIOD
POLK 1	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	92 1	98 1	57.6	82 8	92 3	86 9	93 7	79.5	77 6	90 6	91 0	95 3	86 4
2 PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
3. SH	620 2	645.9	356 2	431.5	611 6	359 0	734 2	637 7	529.6	605 0	438 9	714 9	6684 7
4 RSH	68 0	21 7	347 4	244 5	83 3	278 1	-3 5	44 7	124 0	116 2	239 5	16 4	1580 3
5 UH	55 8	4 4	40 4	43 0	49 1	82 8	13 3	61 6	66 4	23 7	41.6	12 7	495 1
6 POH	0 0	0 0	273 0	30 8	0 0	0.0	0 0	0 0	21 8	2 2	0 0	0 0	327 8
7. FOH	35 4	4 4	40 4	36 4	49 1	67 5	10 1	37 5	21 2	7 3	38 9	8 3	356 6
8 MOH	20 4	0 0	0 0	6 7	0 0	15 3	3 2	24 1	45 2	16 5	2 7	4 4	138 5
9 PFOH	30 6	111 5	26 2	338 4	164 7	204 3	640 1	992 5	860 5	496 2	642 6	5 4	4513 1
10. LR PF (MW)	26 5	19 1	18 9	36.7	12 8	14 4	13 2	22 9	21 2	22 0	8 9	32 2	19 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	304 8	304 8
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	17 4	17 4
13 NSC (MW) **	250	250	250	250	250	250	250	250	250	250	250	250	250
14 OPR BTU(GBTU)	1487 8239	1599 0864	879 5166	874 9336	1474 0140	554 2699	1684 7388	1318 7774	1122 7839	1278 7021	987 0703	1643 3166	14905 0335
15. NET GEN (MWH)	141108	156054	77642	78725	138569	54218	158687	119608	101385	122776	90170	150792	1389734
16 ANOHR BTU/KWH	10544	10247	11328	11114	10637	10223	10617	11026	11074	10415	10947	10898	10725
17. NOF (%)	91 2	96 7	87 4	74 5	91 9	64 2	87 3	76 3	78 2	82 7	83 2	84 5	84 1
18 NPC (MW) **	250	250	250	250	250	250	250	250	250	250	250	250	250

19. ANOHR EQUATION ANOHR = NOF(-49.528) + 14782

** Capacity shown is Primary Fuel Capacity When unit is dispatched on oil, the winter capacity was 245 mw and the summer capacity was be 225 mw

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