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May 19, 1995

HAND DELIVERED

IN REPLY REFER TO:

Tallahassee

Ms. Blanca S. Bayo, Director
Division of Records and Reporting
Florida Public Service Commission
101 East Gaines Street
Tallahassee, Florida 32399-0850

Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor; FPSC Docket No. 950001-EI

Dear Ms. Bayo:

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

04397-95 1. Prepared Direct Testimony and Exhibit (MJP-1) of Mary Jo Pennino regarding Tampa Electric Company's fuel adjustment and capacity cost recovery final true-up amounts for the period October 1994 through March 1995.

04398-95 2. Prepared Direct Testimony and Exhibit (GAK-1) of Mr. George A. Keselowsky regarding Tampa Electric Company's Generating Performance Incentive Factor for the period October 1994 through March 1995.

04399-95 3. Exhibit (WNC/EAT-1) entitled Oil Backout Cost Recovery, Actual, October 1994 - March 1995.

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 copy of the foregoing testimony and exhibits, filed on behalf of Tampa Electric Company, has been furnished by U. S. Mail or hand delivery (*) on this 19th day of May, 1995 to the following:

Ms. Martha C. Brown*
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ATTORNEY

DOCKET NO. 950001-EI
TAMPA ELECTRIC COMPANY
SUBMITTED FOR FILING 5/19/95
(TRUE UP)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

GEORGE A. KESELOWSKY

Q. Will you please state your name, business address, and employer?

A. My name is George A. Keselowsky and my business address is Post Office Box 111, Tampa, Florida 33601. I am employed by Tampa Electric Company.

Q. Please furnish us with a brief outline of your educational background and business experience.

A. I graduated in 1972 from the University of South Florida with a Bachelor of Science Degree in Mechanical Engineering. I have been employed by Tampa Electric Company in various engineering positions since that time. My current position is that of Senior Consulting Engineer -Production Engineering.

Q. What are your current responsibilities?

A. I am responsible for testing and reporting unit performance, and the compilation and reporting of generation statistics.

Q. What is the purpose of your testimony?

A. My testimony presents the actual performance results from unit equivalent availability and station heat rate used to determine the Generating Performance Incentive Factor (GPIF) for the period October 1994 through March 1995. I will also compare these results to the targets established prior to the beginning of the period.

Q. Have you prepared an exhibit with the results for this six month period?

A. Yes. Under my direction and supervision an exhibit has been prepared entitled, "Tampa Electric Company, October 1994 - March 1995, Generating Performance Incentive Factor Results" consisting of 30 pages that was filed with this testimony (Have identified as Exhibit GAK-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 page 4 of my exhibit. Based upon -2.775 GPIF points, the result is a penalty amount of $471,209 for the period.

Q. Please proceed with your review of the actual results for the October 1994 - March 1995 period.

A. On page 3 of my exhibit, the actual average common equity for the period is shown on line 8 as $953,527,765. This produces the maximum penalty or reward figure of $1,938,772 as shown on line 15, page 3. Page 2 of my exhibit demonstrates that this calculated incentive amount has been modified to comply with the constraint set forth by the Commission that incentive dollars are not to exceed fifty percent of fuel savings.

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

A. Yes I will. Operating data on each of our operating 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 six months provides the basis for the GPIF.

Q. Are the equivalent availability results shown on page 6, 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 page 6 of my exhibit. 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:

Gannon Unit No. 5

On this unit, no planned outage hours were originally scheduled to fall within the Winter 1994 period. A major outage scheduled for the month immediately following the Winter 1994 period was postponed until later in the year. This necessitated a short fuel system planned outage during the period, which required 173.4 hours. Consequently, the actual equivalent availability of 90.4% is adjusted to 94.2% as shown on page 7 of my exhibit.

Gannon Unit No. 6

On this unit, 408 planned outage hours were originally scheduled to fall within the Winter 1994 period. A planned fuel system outage was rescheduled to take place after the period ended, and planned outage activities within the period required 243.1 hours. Consequently, the actual equivalent availability of 84.6% is adjusted to 81.2%, as shown on page 8 of my exhibit.

Big Bend Unit No. 1

On this unit, no planned outage hours were originally scheduled to fall within the Winter 1994 period. A planned outage was moved forward from the month following the period and took place within the Winter 1994 period. The outage required 335.2 planned outage hours. Consequently, the actual equivalent availability of 84.7% is adjusted to 91.8% as shown on page 9 of my exhibit.

Big Bend Unit No. 2

On this unit 1344 planned outage hours were originally scheduled to occur during the Winter 1994 period. The actual planned outage activities required 1297.8 hours. Consequently, the actual equivalent availability of 59.3% is adjusted to 58.4% as shown on page 10 of my exhibit.

Big Bend Unit No. 3

On this unit 840 planned outage hours were orignially scheduled to fall within the Winter 1994 period. Due to a revision of the outage schedule, the outage was shifted to begin after the end of the period, and no planned outage hours fell within the Winter 1994 period. Consequently, the actual equivalent availability of 87.4% is adjusted to 70.6% as shown on page 11 of my exhibit.

Big Bend Unit No. 4

This unit was not originally scheduled to have a planned outage during the Winter 1994 period. Due to a revision of the outage schedule, an outage scheduled to occur after the end of the period was rescheduled to take place during the Winter 1994 period and required 822.4 planned outage hours. Consequently, the actual equivalent availability of 71.1% is adjusted to 87.6% as shown on page 12 of my exhibit.

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 page 6,column 4, of my exhibit. This number is entered into the respective Generating

Performance Incentive Point (GPIP) Table for each particular unit on pages 23 through 28. Page 4 of my exhibit summarizes the equivalent availability points to be awarded or penalized.

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

A. The actual heat rate and adjusted actual heat rate for Gannon and Big Bend Station are shown on page 6 of my exhibit. The adjustment was developed based on the guidelines of section 4.3.6 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 my exhibit. This heat rate number is entered into the respective GPIP table for the particular unit, shown on pages 23 through 28. Page 4 of my exhibit summarizes the weighted heat rate and equivalent availability points to be awarded.

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

A. This is shown on page 30 of my exhibit. Essentially, the weighing factors shown on page 4, column 3, plus the equivalent availability points and the heat rate points shown on page 4, column 4, are substituted within the equation. This resultant value, -2.775, is then entered into the GPIF table on page 2. Using linear interpolation, a penalty amount of $471,209 is calculated.

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
REWARD/PENALTY TABLE – ACTUAL
OCTOBER 1994 – MARCH 1995

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS/(LOSS) ($000)	GENERATING PERFORMANCE INCENTIVE FACTOR ($000)
+10	3,396.1	1,698.1
+ 9	3,056.5	1,528.2
+ 8	2,716.9	1,358.4
+ 7	2,377.3	1,188.6
+ 6	2,037.7	1,018.8
+ 5	1,698.1	849.0
+ 4	1,358.4	679.2
+ 3	1,018.8	509.4
+ 2	679.2	339.6
+ 1	339.6	169.8
0	0.0	0.0
– 1	(454.5)	(169.8)
– 2	(909.0)	(339.6)
– 3	(1,363.5)	(509.4)
– 4	(1,818.0)	(679.2)
– 5	(2,272.4)	(849.0)
– 6	(2,726.9)	(1,018.8)
– 7	(3,181.4)	(1,188.6)
– 8	(3,635.9)	(1,358.4)
– 9	(4,090.4)	(1,528.2)
–10	(4,544.9)	(1,698.1)

GPIP Points –2.775

PENALTY DOLLARS ($471,209)

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
ACTUAL
OCTOBER 1994 – MARCH 1995

Line 1	Beginning of period balance of common equity End of month common equity:			$966,461,765
Line 2	Month of	October	1994	$936,029,507
Line 3	Month of	November	1994	$947,006,620
Line 4	Month of	December	1994	$949,255,681
Line 5	Month of	January	1995	$934,556,935
Line 6	Month of	February	1995	$966,919,918
Line 7	Month of	March	1995	$974,463,930
Line 8	(summation of line 1 through line 7 divided by 7)			$953,527,765
Line 9	25 Basis points			0.0025
Line 10	Revenue expansion factor			61.3738%
Line 11	Maximum allowed incentive Dollars (Line 8 times line 9 divided by line 10 times 0.5)			$1,942,050
Line 12	Jurisdictional Sales			6,572,598 MWH
Line 13	Total Sales			6,583,711 MWH
Line 14	Jurisdictional Separation Factor (Line 12 divided by line 13)			99.83%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (Line 11 times Line 14)			$1,938,772

TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS
OCTOBER 1994 – MARCH 1995
ACTUAL

PLANT/UNIT	6 MO ADJ ACTUAL PERFORMANCE	WEIGHTING FACTOR %	UNIT POINTS	WEIGHTED UNIT POINTS
GANNON 5	94.2 EAF	1.30%	10.000	0.130
GANNON 6	81.2 EAF	2.87%	10.000	0.287
BIG BEND 1	91.8 EAF	6.41%	10.000	0.641
BIG BEND 2	58.4 EAF	3.37%	-6.814	-0.230
BIG BEND 3	70.6 EAF	7.73%	3.785	0.293
BIG BEND 4	87.6 EAF	9.72%	-4.212	-0.409
GANNON 5	10524 ANOHR	9.33%	0.000	0.000
GANNON 6	10662 ANOHR	13.66%	-10.000	-1.366
BIG BEND 1	9935 ANOHR	13.63%	0.000	0.000
BIG BEND 2	9932 ANOHR	10.77%	0.000	0.000
BIG BEND 3	9926 ANOHR	9.02%	-10.000	-0.902
BIG BEND 4	10092 ANOHR	12.19%	-10.000	-1.219
		100.00%		-2.775

GPIF REWARD:	($471,209)

TAMPA ELECTRIC COMPANY

GPIF TARGET AND RANGE SUMMARY

OCTOBER 1994 – MARCH 1995

EQUIVALENT AVAILABILITY

PLANT/UNIT	WEIGHTING FACTOR (%)	EAF TARGET (%)	RANGE EAF MAX. (%)	RANGE EAF MIN. (%)	MAX. FUEL SAVINGS ($000)	MAX. FUEL LOSS ($000)	EAF ADJUSTED ACTUAL %	ACTUAL FUEL SAVINGS/ LOSS ($000)
GANNON 5	1.30%	88.1	90.5	83.3	44.0	(85.4)	94.2	44.0
GANNON 6	2.87%	75.9	79.3	69.0	97.5	(236.2)	81.2	97.5
BIG BEND 1	6.41%	85.4	88.3	79.6	217.6	(407.9)	91.8	217.6
BIG BEND 2	3.37%	62.3	65.3	56.6	114.4	(304.1)	58.4	(207.8)
BIG BEND 3	7.73%	69.4	72.6	62.9	262.5	(599.3)	70.6	99.4
BIG BEND 4	9.72%	89.4	91.5	85.2	330.2	(582.1)	87.6	(245.3)
GPIF SYSTEM	31.40%				1,066.2	(2,215.0)		10.4

AVERAGE NET OPERATING HEAT RATE FOR GPIF COAL GENERATING UNITS

PLANT/UNIT	WEIGHTING FACTOR (%)	ANOHR Btu/kwh	TARGET NOP	ANOHR TARGET RANGE MIN.	ANOHR TARGET RANGE MAX.	MAX. FUEL SAVINGS ($000)	MAX. FUEL LOSS ($000)	ACTUAL ADJUSTED AHOHR	ACTUAL FUEL SAVINGS LOSS ($000)
GANNON 5	9.33%	10454	63.5	10041	10867	316.9	(316.9)	10524	0.0
GANNON 6	13.66%	10288	63.1	9945	10631	464.0	(464.0)	10662	(464.0)
BIG BEND 1	13.63%	9957	83.7	9737	10177	462.8	(462.8)	9935	0.0
BIG BEND 2	10.77%	9895	85.6	9655	10135	365.8	(365.8)	9932	0.0
BIG BEND 3	9.02%	9610	82.8	9423	9797	306.4	(306.4)	9926	(306.4)
BIG BEND 4	12.19%	9832	93.9	9641	10023	414.0	(414.0)	10092	(414.0)
GPIF SYSTEM	68.60%					2,329.9	(2,329.9)		(1,184.4)

5 of 30

ACTUAL UNIT PERFORMANCE DATA
TAMPA ELECTRIC COMPANY
OCTOBER 1994 – MARCH 1995

PLANT/UNIT	ACTUAL EAF %	ADJUSTMENTS (1) EAF %	EAF ADJUSTED ACTUAL %
GANNON 5	90.4	3.8	94.2
GANNON 6	84.6	-3.4	81.2
BIG BEND 1	84.7	7.1	91.8
BIG BEND 2	59.3	-0.9	58.4
BIG BEND 3	87.4	-16.8	70.6
BIG BEND 4	71.1	16.5	87.6

PLANT/UNIT	ACTUAL ANOHR Btu/kwh	ADJUSTMENT (2) TO ANOHR Btu/kwh	ANOHR ADJUSTED ACTUAL Btu/kwh
GANNON 5	10166	358	10524
GANNON 6	10435	227	10662
BIG BEND 1	9903	32	9935
BIG BEND 2	9933	-1	9932
BIG BEND 3	9924	2	9926
BIG BEND 4	10246	-154	10092

(1) Documentation of adjustments to Actual EAF on pages 7–12

(2) Documentation of adjustmenst to Actual ANOHR on pages 13–18

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
GANNON UNIT NO. 5
OCTOBER 1994 – MARCH 1995

WEIGHTING FACTOR = 1.30%

	6 MO. TARGET	6 MO. ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
P.H.	4369.0	4369.0	4369.0
E.A.F.	88.1	90.4	94.2
P.O.H.	0.0	173.4	0.0
F.O.H. + E.F.O.H	419.0	223.0	232.2
M.O.H. + E.M.O.H	100.0	22.1	23.0
P.O.F.	0.0	4.0	0.0
E.F.O.F.	9.6	5.1	5.3
E.M.O.F.	2.3	0.5	0.5

10.000 E. A. POINTS

ADJUSTMENTS TO EAF:

$$\frac{\text{P.H.} - \text{TGT POH}}{\text{P.H.} - \text{ACT POH}} \times (\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH}) = \text{ADJUSTED EUOH}$$

$$\frac{4369.0 - 0.0}{4369.0 - 173.4} \times (71.9 + 151.1 + 3.2 + 18.9) = 1.0413 \times 245.1 = 255.2$$

$$\frac{\text{POH} + \text{EUOH}}{\text{PH}} \times 100\% = \text{POF} + \text{EUOF} = \frac{0.0 + 255.2}{4369.0} = 5.8$$

$$100.0 - (\text{POF} + \text{EUOF}) = \text{EAF} = 100.0 - 5.8 = 94.2$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EUOH = EQUIVALENT UNPLANNED OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR
EUOF = UNPLANNED OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
GANNON UNIT NO. 6
OCTOBER 1994 – MARCH 1995

WEIGHTING FACTOR = 2.87%

	6 MO. TARGET	6 MO. ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
P.H.	4369.0	4369.0	4369.0
E.A.F.	75.9	84.6	81.2
P.O.H.	408.0	243.1	408.0
F.O.H. + E.F.O.H	547.0	112.5	108.0
M.O.H. + E.M.O.H	99.0	315.8	303.2
P.O.F.	9.3	5.6	9.3
E.F.O.F.	12.5	2.6	2.5
E.M.O.F.	2.3	7.2	6.9

10.000 E. A. POINTS

ADJUSTMENTS TO EAF:

$$\frac{\text{P.H.} - \text{TGT POH}}{\text{P.H.} - \text{ACT POH}} \times (\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH}) = \text{ADJUSTED EUOH}$$

$$\frac{4369.0 - 408.0}{4369.0 - 243.1} \times (13.8 + 98.7 + 276.5 + 39.3) = 0.9600 \times 428.3 = 411.2$$

$$\frac{\text{POH} + \text{EUOH}}{\text{PH}} \times 100\% = \text{POF} + \text{EUOF} = \frac{408.0 + 411.2}{4369.0} = 18.8$$

$$100.0 - (\text{POF} + \text{EUOF}) = \text{EAF} = 100.0 - 18.8 = 81.2$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EUOH = EQUIVALENT UNPLANNED OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR
EUOF = UNPLANNED OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 1
OCTOBER 1994 – MARCH 1995

WEIGHTING FACTOR = 6.41%

	6 MO. TARGET	6 MO. ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
P.H.	4369.0	4369.0	4369.0
E.A.F.	85.4	84.7	91.8
P.O.H.	0.0	335.2	0.0
F.O.H. + E.F.O.H	489.0	195.6	211.9
M.O.H. + E.M.O.H	149.0	136.6	148.0
P.O.F.	0.0	7.7	0.0
E.F.O.F.	11.2	4.5	4.9
E.M.O.F.	3.4	3.1	3.4

10.000 E. A. POINTS

ADJUSTMENTS TO EAF:

$$\frac{\text{P.H.} - \text{TGT POH}}{\text{P.H.} - \text{ACT POH}} \times (\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH}) = \text{ADJUSTED EUOH}$$

$$\frac{4369.0 - 0.0}{4369.0 - 335.2} \times (168.5 + 27.1 + 86.5 + 50.1) = 1.0831 \times 332.2 = 359.8$$

$$\frac{\text{POH} + \text{EUOH}}{\text{PH}} \times 100\% = \text{POF} + \text{EUOF} = \frac{0.0 + 359.8}{4369.0} = 8.2$$

$$100.0 - (\text{POF} + \text{EUOF}) = \text{EAF} = 100.0 - 8.2 = 91.8$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EUOH = EQUIVALENT UNPLANNED OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR
EUOF = UNPLANNED OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 2
OCTOBER 1994 – MARCH 1995

WEIGHTING FACTOR = 3.37%

	6 MO. TARGET	6 MO. ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
P.H.	4369.0	4369.0	4369.0
E.A.F.	62.4	59.3	58.4
P.O.H.	1344.0	1297.8	1344.0
F.O.H. + E.F.O.H	215.0	378.2	372.5
M.O.H. + E.M.O.H	85.0	100.4	98.9
P.O.F.	30.8	29.7	30.8
E.F.O.F.	4.9	8.7	8.5
E.M.O.F.	1.9	2.3	2.3

-6.814 E. A. POINTS

ADJUSTMENTS TO EAF:

$$\frac{\text{P.H.} - \text{TGT POH}}{\text{P.H.} - \text{ACT POH}} \times (\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH}) = \text{ADJUSTED EUOH}$$

$$\frac{4369.0 - 1344.0}{4369.0 - 1297.8} \times (296.5 + 81.7 + 52.3 + 48.1) = 0.9850 \times 478.6 = 471.4$$

$$\frac{\text{POH} + \text{EUOH}}{\text{PH}} \times 100\% = \text{POF} + \text{EUOF} = \frac{1344.0 + 471.4}{4369.0} = 41.6$$

$$100.0 - (\text{POF} + \text{EUOF}) = \text{EAF} = 100.0 - 41.6 = 58.4$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EUOH = EQUIVALENT UNPLANNED OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR
EUOF = UNPLANNED OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 3
OCTOBER 1994 – MARCH 1995

WEIGHTING FACTOR = 7.73%

	6 MO. TARGET	6 MO. ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
P.H.	4369.0	4369.0	4369.0
E.A.F.	69.4	87.4	70.6
P.O.H.	840.0	0.0	840.0
F.O.H. + E.F.O.H	371.0	415.2	335.4
M.O.H. + E.M.O.H	126.0	134.4	108.6
P.O.F.	19.2	0.0	19.2
E.F.O.F.	8.5	9.5	7.7
E.M.O.F.	2.9	3.1	2.5

3.785 E. A. POINTS

ADJUSTMENTS TO EAF:

$$\frac{\text{P.H.} - \text{TGT POH}}{\text{P.H.} - \text{ACT POH}} \times (\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH}) = \text{ADJUSTED EUOH}$$

$$\frac{4369.0 - 840.0}{4369.0 - 0.0} \times (178.3 + 236.9 + 6.4 + 128.0) = 0.6077 \times 549.6 = 443.9$$

$$\frac{\text{POH} + \text{EUOH}}{\text{PH}} \times 100\% = \text{POF} + \text{EUOF} = \frac{840.0 + 443.9}{4369.0} = 29.4$$

$100.0 - (\text{POF} + \text{EUOF}) = \text{EAF} = 100.0 - 29.4 = 70.6$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EUOH = EQUIVALENT UNPLANNED OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR
EUOF = UNPLANNED OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 4
OCTOBER 1994 – MARCH 1995

WEIGHTING FACTOR = 9.72%

	6 MO. TARGET	6 MO. ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
P.H.	4369.0	4369.0	4369.0
E.A.F.	89.4	71.1	87.6
P.O.H.	0.0	822.4	0.0
F.O.H. + E.F.O.H	354.0	311.7	384.0
M.O.H. + E.M.O.H	109.0	127.0	156.4
P.O.F.	0.0	18.8	0.0
E.F.O.F.	8.1	7.1	8.8
E.M.O.F.	2.5	2.9	3.6

−4.212 E. A. POINTS

ADJUSTMENTS TO EAF:

$$\frac{\text{P.H.} - \text{TGT POH}}{\text{P.H.} - \text{ACT POH}} \times (\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH}) = \text{ADJUSTED EUOH}$$

$$\frac{4369.0 - 0.0}{4369.0 - 822.4} \times (265.7 + 46.0 + 49.3 + 77.7) = 1.2319 \times 438.7 = 540.4$$

$$\frac{\text{POH} + \text{EUOH}}{\text{PH}} \times 100\% = \text{POF} + \text{EUOF} = \frac{0.0 + 540.4}{4369.0} = 12.4$$

$$100.0 - (\text{POF} + \text{EUOF}) = \text{EAF} = 100.0 - 12.4 = 87.6$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EUOH = EQUIVALENT UNPLANNED OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR
EUOF = UNPLANNED OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
GANNON 5
HEAT RATE DATA
OCTOBER 1994 – MARCH 1995

WEIGHTING FACTOR = 9.33%

	6 MO. TARGET	6 MO ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10454	10166
STA. NET GEN. (GWH)	457.1	748.7
OPER. Btu (10^9 btu)	4778.194	7611.626
NET OUTPUT FACTOR	63.5	80.4

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON:

CURRENT EQUATION NOF(−21.12600) + 11795.9 = ANOHR

80.4(−21.12600) + 11795.9 = 10096

10166 − 10096 = 70

10454 + 70 = 10524

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
GANNON 6
HEAT RATE DATA
OCTOBER 1994 – MARCH 1995

WEIGHTING FACTOR = 13.66%

	6 MO. TARGET	6 MO ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10288	10435
STA. NET GEN. (GWH)	813.1	1080.0
OPER. Btu (10^9 btu)	8364.894	11270.156
NET OUTPUT FACTOR	63.1	79.4

–10.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON:

CURRENT EQUATION NOF(–13.96700) + 11169.0 = ANOHR

79.4(–13.96700) + 11169.0 = 10061

10435 – 10061 = 374

10288 + 374 = 10662

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT 1
HEAT RATE DATA
OCTOBER 1994 – MARCH 1995

WEIGHTING FACTOR = 13.63%

	6 MO. TARGET	6 MO ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	9957	9903
STA. NET GEN. (GWH)	1328.4	1399.0
OPER. Btu (10^9 btu)	13226.445	13853.943
NET OUTPUT FACTOR	83.7	88.8

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON:

CURRENT EQUATION NOF(−6.21460) + 10476.7 = ANOHR

88.8(−6.21460) + 10476.7 = 9925

9903 − 9925 = −22

9957 + −22 = 9935

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT 2
HEAT RATE DATA
OCTOBER 1994 – MARCH 1995

WEIGHTING FACTOR = 10.77%

	6 MO. TARGET	6 MO ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	9895	9933
STA. NET GEN. (GWH)	990.4	957.5
OPER. Btu (10^9 btu)	9800.153	9511.331
NET OUTPUT FACTOR	85.6	83.1

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON:

CURRENT EQUATION NOF(−0.44770) + 9933.1 = ANOHR

83.1(−0.44770) + 9933.1 = 9896

9933 − 9896 = 37

9895 + 37 = 9932

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND 3
HEAT RATE DATA
OCTOBER 1994 – MARCH 1995

WEIGHTING FACTOR = 9.02%

	6 MO. TARGET	6 MO ACTUAL PERFORMANCE
ANOHR (Btu./kwh)	9610	9924
STA. NET GEN. (GWH)	1126.4	1509.5
OPER. Btu (10^9 btu)	10824.983	14979.965
NET OUTPUT FACTOR	82.8	83.0

–10.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON:

CURRENT EQUATION NOF(–11.54800) + 10566.2 = ANOHR

83.0(–11.54800) + 10566.2 = 9608

9924 – 9608 = 316

9610 + 316 = 9926

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT 4
HEAT RATE DATA
OCTOBER 1994 – MARCH 1995

WEIGHTING FACTOR = 12.19%

	6 MO. TARGET	6 MO ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	9832	10246
STA. NET GEN. (GWH)	1704.5	1230.0
OPER. Btu (10^9 btu)	16759.083	12603.450
NET OUTPUT FACTOR	93.9	85.2

–10.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON:

CURRENT EQUATION NOF(–17.56300) + 11481.4 = ANOHR

85.2(–17.56300) + 11481.4 = 9986

10246 – 9986 = 260

9832 + 260 = 10092

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

TAMPA ELECTRIC COMPANY

GPIF PLANNED OUTAGE SCHEDULE – ACTUAL

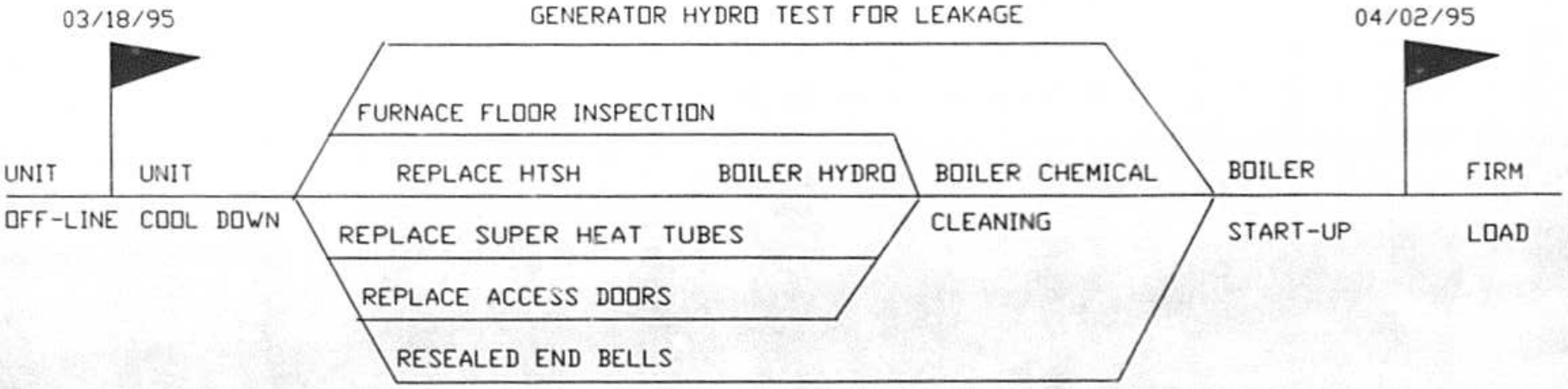
OCTOBER 1994 – MARCH 1995

STATION/UNIT	PLANNED OUTAGE DATES	OUTAGE REASON
* BIG BEND 1	MAR 18 – APR 02	HTSH REPLACEMENT FURNACE FLOOR INSPECTION REPLACE SH TUBES REPLACE ACCESS DOORS RESEAL END BELLS GENERATOR HYDRO FOR LEAKAGE
BIG BEND 2	OCT 22 – DEC 13	PENTHOUSE PRESSURIZATION REPL. HTRH REPL. PULV SH/THROAT LINERS REPL. LOWER WW TUBES REPL. HT. GAS DUCT (PHASE II) REPL. BOILER FLOOR TUBES HP INSPECTION LP TURBINE MOD. INSPECT GOV. VV'S/THRTL/ INT. VV'S GEN. INSPECTION PRECIPITATOR REPAIRS
BIG BEND 4	FEB 6 – MAR 12	LP. INSPECTION INSPECT CT. VV'S COMB AHT/STOP VV'S INSP. FRT. STD. INSP. MID STD. BFPT. INSP. REHEAT MAINTENANCE BOILER CIRC. PP. OVERHAUL FGD DUCT REPL. FGD REHTR. BUNDLE REPL.
** GANNON 5	MAR 9 – MAR 16	SLAG TANK & COOLING COIL REPAIR
** GANNON 6	DEC 12 – DEC 21	FUEL SYSTEM CLEAN–UP

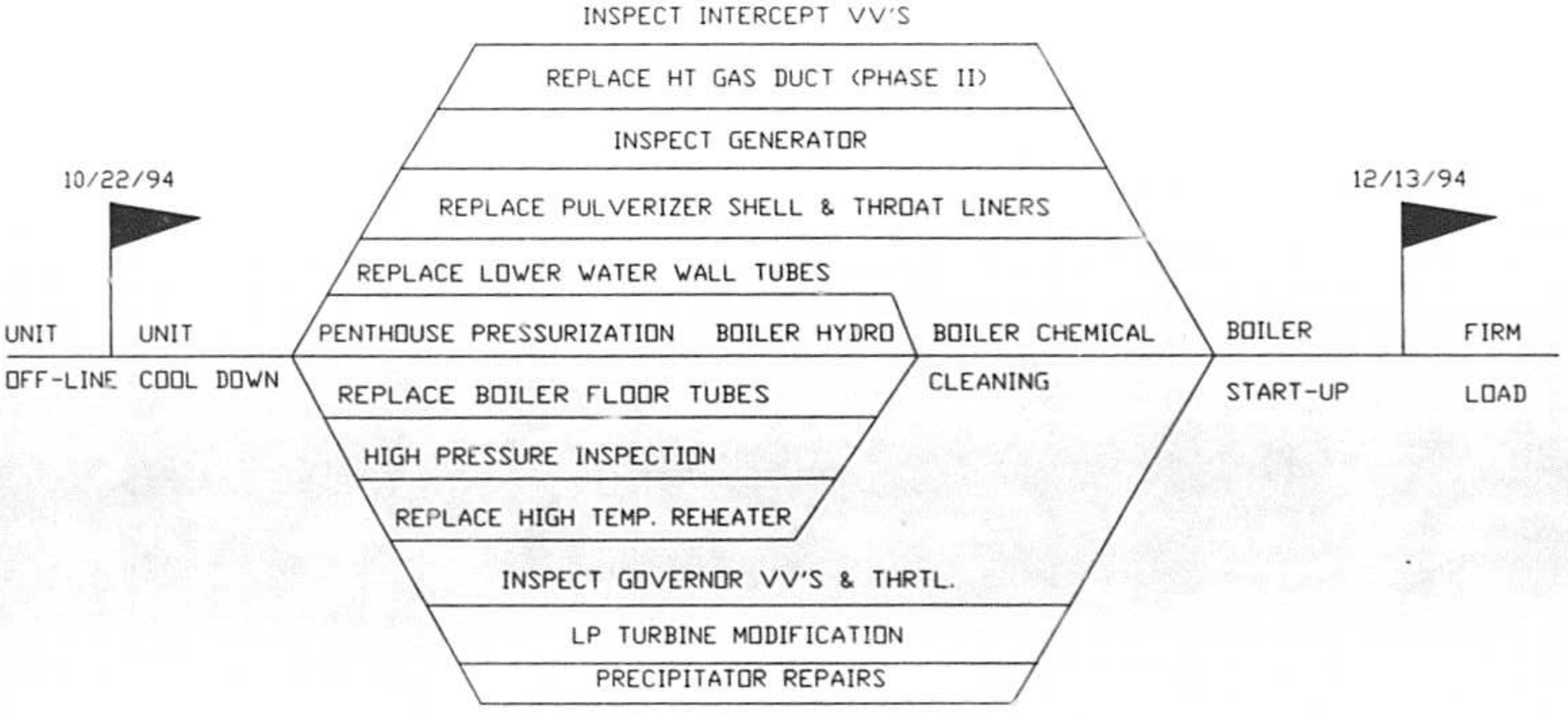
Milestone or Critical Path Charts of actual schedule are included on pages 20 through 22.

* Start / End date outside of GPIF period

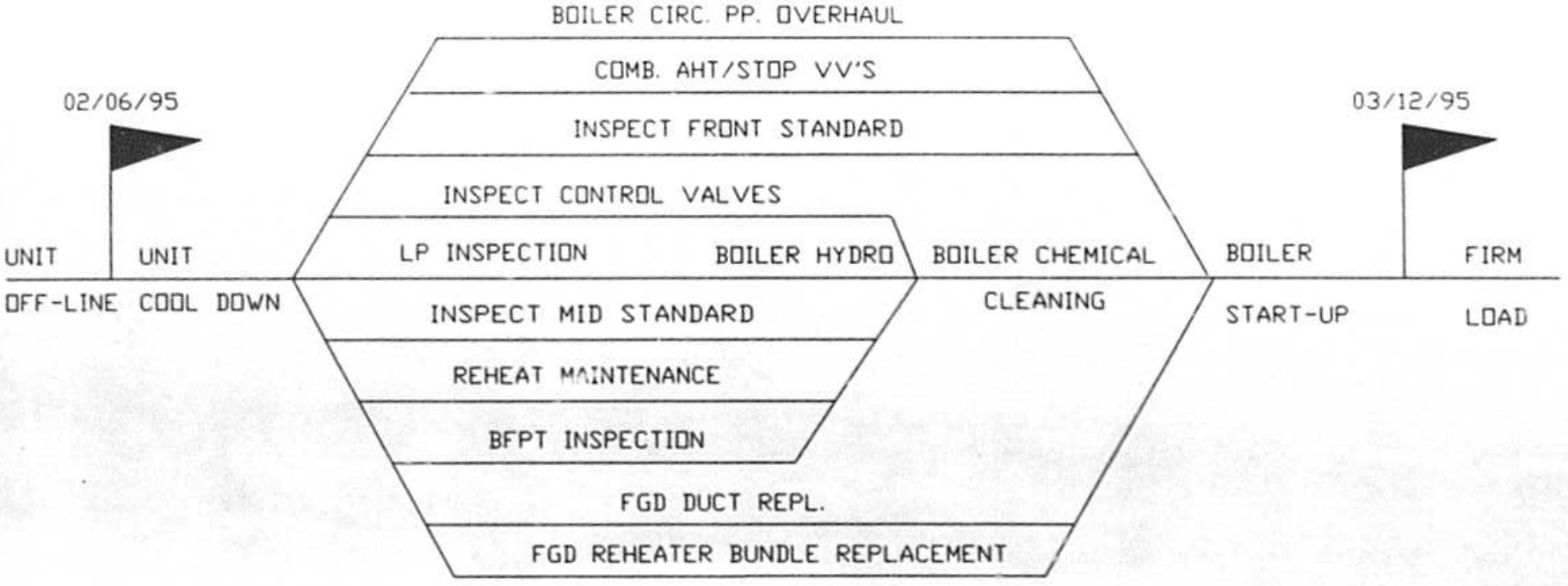
** Outage is less than two weeks in duration and a CPM was not included for this unit.



TAMPA ELECTRIC COMPANY
BIG BEND UNIT NO. 1
PLANNED OUTAGE 1995
ACTUAL CPM
04/30/95



TAMPA ELECTRIC COMPANY
BIG BEND UNIT NO. 2
PLANNED OUTAGE 1994
ACTUAL CPM
12/31/94



TAMPA ELECTRIC COMPANY
BIG BEND UNIT NO. 4
PLANNED OUTAGE 1995
ACTUAL CPM
03/31/95

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1994 – MARCH 1995

GANNON 5

EQUIVALENT AVAILABILITY POINTS		FUEL SAVINGS/(LOSS) ($x1000)		ADJUSTED ACTUAL EQUIVALENT AVAILABILITY
+10	EAF Points 10.000	44.0	Adjusted EAF 94.2	90.5
+9		39.6		90.3
+8		35.2		90.0
+7		30.8		89.8
+6		26.4		89.5
+5		22.0		89.3
+4		17.6		89.1
+3		13.2		88.8
+2		8.8		88.6
+1		4.4		88.3
0		0.0		88.1
−1		(8.5)		87.6
−2		(17.1)		87.1
−3		(25.6)		86.7
−4		(34.2)		86.2
−5		(42.7)		85.7
−6		(51.2)		85.2
−7		(59.8)		84.7
−8		(68.3)		84.3
−9		(76.9)		83.8
−10		(85.4)		83.3

Weighting Factor = 1.30%

AVERAGE HEAT RATE POINTS		FUEL SAVINGS/(LOSS) ($x1000)		ADJUSTED ACTUAL AVERAGE HEAT RATE
+10		316.9		10041
+9		285.2		10075
+8		253.5		10109
+7		221.8		10142
+6		190.1		10176
+5		158.5		10210
+4		126.8		10244
+3		95.1		10278
+2		63.4		10311
+1		31.7		10345
		0.0		10379
0	AHR Points 0.000	0.0	Adjusted Actual ANOHR 10524	10454
		0.0		10529
−1		(31.7)		10563
−2		(63.4)		10597
−3		(95.1)		10631
−4		(126.8)		10664
−5		(158.5)		10698
−6		(190.1)		10732
−7		(221.8)		10766
−8		(253.5)		10799
−9		(285.2)		10833
−10		(316.9)		10867

Weighting Factor = 9.33%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1994 – MARCH 1995

GANNON 6

EQUIVALENT AVAILABILIT POINTS	FUEL SAVINGS/(LOSS) ($1x1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS/(LOSS) ($1x1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10 ⇦ EAF Points 10.000	97.5	79.3 ⇦ Adjusted EAF 81.2	+10	464.0	9945
+9	87.8	79.0	+9	417.6	9972
+8	78.0	78.6	+8	371.2	9999
+7	68.3	78.3	+7	324.8	10025
+6	58.5	77.9	+6	278.4	10052
+5	48.8	77.6	+5	232.0	10079
+4	39.0	77.3	+4	185.6	10106
+3	29.3	76.9	+3	139.2	10133
+2	19.5	76.6	+2	92.8	10159
+1	9.8	76.2	+1	46.4	10186
				0.0	10213
0	0.0	75.9	0	0.0	10288
				0.0	10363
−1	(23.6)	75.2	−1	(46.4)	10390
−2	(47.2)	74.5	−2	(92.8)	10417
−3	(70.9)	73.8	−3	(139.2)	10443
−4	(94.5)	73.1	−4	(185.6)	10470
−5	(118.1)	72.5	−5	(232.0)	10497
−6	(141.7)	71.8	−6	(278.4)	10524
−7	(165.3)	71.1	−7	(324.8)	10551
−8	(189.0)	70.4	−8	(371.2)	10577
−9	(212.6)	69.7	−9	(417.6)	10604
−10	(236.2)	69.0	−10 ⇦ AHR Points −10.000	(464.0) ⇨ Adjusted Actual ANOHR 10662	10631
	Weighting Factor =	2.87%		Weighting Factor =	13.66%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1994 – MARCH 1995

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS		FUEL SAVINGS/(LOSS) ($x1000)		ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS		FUEL SAVINGS/(LOSS) ($x1000)		ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	⇦ EAF Points 10.000	217.6	Adjusted EAF 91.8 ⇨	88.3	+10		462.8		9737
+9		195.8		88.0	+9		416.5		9752
+8		174.1		87.7	+8		370.2		9766
+7		152.3		87.4	+7		324.0		9781
+6		130.6		87.1	+6		277.7		9795
+5		108.8		86.9	+5		231.4		9810
+4		87.0		86.6	+4		185.1		9824
+3		65.3		86.3	+3		138.8		9839
+2		43.5		86.0	+2		92.6		9853
+1		21.8		85.7	+1		46.3		9868
							0.0	Adjusted Actual ANOHR 9935 ⇨	9882
0		0.0		85.4	0	⇦ AHR Points 0.000	0.0		9957
							0.0		10032
−1		(40.8)		84.8	−1		(46.3)		10047
−2		(81.6)		84.2	−2		(92.6)		10061
−3		(122.4)		83.7	−3		(138.8)		10076
−4		(163.2)		83.1	−4		(185.1)		10090
−5		(204.0)		82.5	−5		(231.4)		10105
−6		(244.7)		81.9	−6		(277.7)		10119
−7		(285.5)		81.3	−7		(324.0)		10134
−8		(326.3)		80.8	−8		(370.2)		10148
−9		(367.1)		80.2	−9		(416.5)		10163
−10		(407.9)		79.6	−10		(462.8)		10177

Weighting Factor = 6.41%

Weighting Factor = 13.63%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1994 – MARCH 1995

BIG BEND 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) ($x1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS/(LOSS) ($x1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	114.4	65.3	+10	365.8	9655
+ 9	103.0	65.0	+ 9	329.2	9672
+ 8	91.5	64.7	+ 8	292.6	9688
+ 7	80.1	64.4	+ 7	256.1	9705
+ 6	68.6	64.1	+ 6	219.5	9721
+ 5	57.2	63.8	+ 5	182.9	9738
+ 4	45.8	63.5	+ 4	146.3	9754
+ 3	34.3	63.2	+ 3	109.7	9771
+ 2	22.9	62.9	+ 2	73.2	9787
+ 1	11.4	62.6	+ 1	36.6	9804
				0.0	9820
0	0.0	62.3	0 ⇦ AHR Points 0.000	0.0	9895
				0.0 ⇦ Adjusted Actual ANOHR 9932	9970
- 1	(30.4)	61.7	- 1	(36.6)	9987
- 2	(60.8)	61.2	- 2	(73.2)	10003
- 3	(91.2)	60.6	- 3	(109.7)	10020
- 4	(121.6)	60.0	- 4	(146.3)	10036
- 5	(152.1)	59.4	- 5	(182.9)	10053
- 6 ⇦ BAF Points -6.798	(182.5) ⇦ Adjusted BAF 58.4	58.9	- 6	(219.5)	10069
- 7	(212.9)	58.3	- 7	(256.1)	10086
- 8	(243.3)	57.7	- 8	(292.6)	10102
- 9	(273.7)	57.2	- 9	(329.2)	10119
-10	(304.1)	56.6	-10	(365.8)	10135

Weighting Factor = 3.37%

Weighting Factor = 10.77%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1994 – MARCH 1995

BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) ($x1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY
+10	262.5	72.6
+ 9	236.3	72.3
+ 8	210.0	71.0
+ 7	183.8	71.6
+ 6	157.5	71.3
+ 5	131.3	71.0
+ 4	105.0	70.7
+ 3	78.8	70.4
+ 2	52.5	70.0
+ 1	26.3	69.7
0	0.0	69.4
– 1	(59.9)	68.8
– 2	(119.9)	68.1
– 3	(179.8)	67.5
– 4	(239.7)	66.8
– 5	(299.7)	66.2
– 6	(359.6)	65.5
– 7	(419.5)	64.9
– 8	(479.4)	64.2
– 9	(539.4)	63.6
–10	(599.3)	62.9

EAF Points 3.785

Adjusted EAF 70.6

Weighting Factor = 7.73%

AVERAGE HEAT RATE POINTS	FUEL SAVINGS/(LOSS) ($x1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	306.4	9423
+ 9	275.8	9434
+ 8	245.1	9445
+ 7	214.5	9457
+ 6	183.8	9468
+ 5	153.2	9479
+ 4	122.6	9490
+ 3	91.9	9501
+ 2	61.3	9513
+ 1	30.6	9524
	0.0	9535
0	0.0	9610
	0.0	9685
– 1	(30.6)	9696
– 2	(61.3)	9707
– 3	(91.9)	9719
– 4	(122.6)	9730
– 5	(153.2)	9741
– 6	(183.8)	9752
– 7	(214.5)	9763
– 8	(245.1)	9775
– 9	(275.8)	9786
–10	(306.4)	9797

AHR Points –10.000

Adjusted Actual ANOHR 9926

Weighting Factor = 9.02%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1994 – MARCH 1995

BIG BEND 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS/(LOSS) ($x1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS/(LOSS) ($x1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	330.2	91.5	+10	414.0	9641
+ 9	297.2	91.3	+ 9	372.6	9653
+ 8	264.2	91.1	+ 8	331.2	9664
+ 7	231.1	90.9	+ 7	289.8	9676
+ 6	198.1	90.7	+ 6	248.4	9687
+ 5	165.1	90.5	+ 5	207.0	9699
+ 4	132.1	90.2	+ 4	165.6	9711
+ 3	99.1	90.0	+ 3	124.2	9722
+ 2	66.0	89.8	+ 2	82.8	9734
+ 1	33.0	89.6	+ 1	41.4	9745
				0.0	9757
0	0.0	89.4	0	0.0	9832
				0.0	9907
- 1	(58.2)	89.0	- 1	(41.4)	9919
- 2	(116.4)	88.6	- 2	(82.8)	9930
- 3	(174.6)	88.1	- 3	(124.2)	9942
- 4	(232.8)	87.7	- 4	(165.6)	9953
- 5	(291.1)	87.3	- 5	(207.0)	9965
- 6	(349.3)	86.9	- 6	(248.4)	9977
- 7	(407.5)	86.5	- 7	(289.8)	9988
- 8	(465.7)	86.0	- 8	(331.2)	10000
- 9	(523.9)	85.6	- 9	(372.6)	10011
-10	(582.1)	85.2	-10	(414.0)	10023

EAF Points −4.215 → Adjusted EAF 87.6

AHR Points −10.000 → Adjusted Actual ANOHR 10093

Weighting Factor = 9.72%

Weighting Factor = 12.19%

TAMPA ELECTRIC COMPANY

COMPARISON OF GPIF TARGETS VS. PRIOR PERIOD ACTUAL PERFORMANCE

AVAILABILITY

PLANT/UNIT	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD OCT 94 – MAR 95 POF	EUOF	EUOR	ACTUAL PERFORMANCE OCT 94 – MAR 95 POF	EUOF	EUOR
BIG BEND 1	6.41%	20.4	0.0	14.6	14.6	7.7	7.6	8.2
BIG BEND 2	3.37%	10.7	30.8	6.9	9.9	29.7	11.0	15.6
BIG BEND 3	7.73%	24.6	19.2	11.4	14.1	0.0	12.6	12.6
BIG BEND 4	9.72%	31.0	0.0	10.6	10.6	18.8	10.0	12.3
GANNON 5	1.30%	4.1	0.0	11.9	11.9	4.0	5.6	5.8
GANNON 6	2.87%	9.1	9.3	14.6	16.3	5.6	9.8	10.4
	31.40%	100.0						
GPIF SYSTEM WGT'D AVG.			8.9	11.6	12.8	11.3	10.1	11.5
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY				79.5			78.7	

5 PERIOD AVERAGE POF	EUOF	EUOR	5 PERIOD AVERAGE EAF
8.3	11.9	13.1	79.8

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT/UNIT	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING FACTOR	HEAT RATE TARGET	ADJUSTED ACTUAL HEAT RATE OCT 94 – MAR 95
GANNON 5	9.33%	13.6	10454	10524
GANNON 6	13.66%	19.9	10288	10662
BIG BEND 1	13.63%	19.9	9957	9935
BIG BEND 2	10.77%	15.7	9895	9932
BIG BEND 3	9.02%	13.1	9610	9926
BIG BEND 4	12.19%	17.8	9832	10092
	68.60%	100.0		
GPIF SYSTEM WEIGHTED AVERAGE H.R.(Btu/kwh)			10013	10186

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
OCTOBER 1994 – MARCH 1995

Points are calculated according to the formula:

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

Where:

i = 1,n

a = Unit equivalent availability weighting factor

EAP = Unit equivalent availability points

e = Station average heat rate weighting factor

AHRP = Station average heat rate points

Weighting factors and point values are listed in separate tables.

GPIP = 1.30% (GN5 EAP) + 2.87% (GN6 EAP) + 6.41% (BB1 EAP)
+ 3.37% (BB2 EAP) + 7.73% (BB3 EAP) + 9.72% (BB4 EAP)
+ 9.33% (GN5 AHRP) + 13.66% (GN6 AHRP) + 13.63% (BB1 AHRP)
+ 10.77% (BB2 AHRP) + 9.02% (BB3 AHRP) + 12.19% (BB4 AHRP)

GPIP = 1.30% (10.000) + 2.87% (10.000) + 6.41% (10.000)
+ 3.37% (−6.814) + 7.73% (3.785) + 9.72% (−4.212)
+ 9.33% (0.000) + 13.66% (−10.000) + 13.63% (0.000)
+ 10.77% (0.000) + 9.02% (−10.000) + 12.19% (−10.000)

GPIP = (0.130) + (0.287) + (0.641) + (−0.230) + (0.293)
+ (−0.409) + (0.000) + (−1.366) + (0.000) + (0.000)
+ (−0.902) + (−1.219)

GPIP = −2.775 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) – see page 2.

GPIP = $−471,209