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May 20, 1994

IN REPLY REFER TO:

HAND DELIVERED

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. 940001-EI

Dear Mr. Tribble:

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

1. Prepared Direct Testimony and Exhibit (MJP-1) of Ms. Mary Jo Pennino regarding Tampa Electric Company's fuel adjustment and capacity cost recovery true-up amounts for the period October 1993 through March 1994.

2. Prepared Direct Testimony and Exhibit (GAK-1) of Mr. George A. Keselowsky regarding Tampa Electric's Generating Performance Incentive Factor for the period October 1993 through March 1994.

3. Exhibit (RFT/EAT-1) entitled Oil Backout Cost Recovery, Actual, October 1993 - March 1994.

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
encls.

cc: All Parties of Record (w/encls.)

ACK ✓
AFA 5
APP
CAF
CMU
CTR
EAG
LEG 1
LIN 3 + [illegible]
OPC
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SEC 1
WAS
OTH

RECEIVED & FILED

FPSC-BUREAU OF RECORDS

RFT/EAT
DOCUMENT NUMBER-DATE
04929 MAY 20 94
FPSC-RECORDS/REPORTING

Pennino
DOCUMENT NUMBER-DATE
04927 MAY 20 94
FPSC-RECORDS/REPORTING

Keselowsky
DOCUMENT NUMBER-DATE
04928 MAY 20 94
FPSC-RECORDS/REPORTING

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 20th day of May, 1994 to the following:

Ms. Martha C. Brown*
Ms. Donna L. Canzano
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Tallahassee, FL 32399-0863

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ATTORNEY

ORIGINAL
FILE COPY

DOCKET NO. 940001-EI
TAMPA ELECTRIC COMPANY
SUBMITTED FOR FILING 05/20/94
(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.

DOCUMENT NUMBER-DATE
04928 MAY 20 94
FPSC-RECORDS/REPORTING

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 1993 through March 1994. 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 1993 - March 1994, Generating Performance Incentive Factor Results" consisting of 28 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 +2.346 GPIF points, the result is a reward amount of $406,404 for the period.

Q. Please proceed with your review of the actual results for the October 1993 - March 1994 period.

A. On page 3 of my exhibit, the actual average common equity for the period is shown on line 8 as $852,420,095. This produces the maximum penalty or reward figure of $1,732,329 as shown on line 15, page 3, and also on page 2 of my exhibit.

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, 312 planned outage hours were originally scheduled to fall within the Winter 1993 period. The actual planned outage activities required 178.1 hours. Consequently, the actual equivalent availability of 90.2% is adjusted to 87.3% as shown on page 7 of my exhibit.

Gannon Unit No. 6

On this unit, 336 planned outage hours were originally scheduled to fall within the Winter 1993 period. Due to a cold reheat line failure, planned outage activities were moved forward from late 1994 and were accomplished during this period. Therefore, 1,280.2 planned outage hours fell within the period. Consequently, the actual equivalent availability of 62.7% is adjusted to 81.9% as shown on page 8 of my exhibit.

Big Bend Unit No. 1

On this unit, 168 planned outage hours were originally scheduled. Due to a revision of the outage schedule, this planned outage was deferred and did not occur within the period. Consequently, no planned outage hours fell within the Winter 1993 period and the actual equivalent availability of 85.5% is adjusted to 82.2% as shown on page 9 of my exhibit.

Big Bend Unit No. 2

On this unit, 1,512 planned outage hours were originally scheduled to fall within the Winter 1993 period. This planned outage was rescheduled to occur after the end of the period and there were no planned outage activities within the period. Consequently, the actual equivalent availability of 92.7% is adjusted to 60.6%, as shown on page 10 of my exhibit.

Big Bend Unit No. 3

On this unit, 312 planned outage hours were originally scheduled. Actual planned outage activities required 283.5 hours. Consequently, the actual equivalent availability of 87.4% is adjusted to 86.8% as shown on page 11 of my exhibit.

Big Bend Unit No. 4

On the unit, 1,176 planned outage hours were originally scheduled to fall within the Winter 1993 period. The outage schedule was revised such that major outage activities were shifted to occur after the end of the period. Planned outage activities within the period were, therefore, reduced and required 223.9 hours. Consequently, the actual equivalent availability of 88.9% is adjusted to 68.5% 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 21 through 26. 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 21 through 26. 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 28 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, +2.346, is then entered into the GPIF table on page 2. Using linear interpolation, a reward amount of $406,404 is calculated.

Q. Does this conclude your testimony?

A. Yes, it does.

EXHIBIT NO. _____
DOCKET NO. 940001 – EI
TAMPA ELECTRIC COMPANY
(GAK – 1)
PAGE 1 OF 28

TAMPA ELECTRIC COMPANY
OCTOBER 1993 – MARCH 1994
GENERATING PERFORMANCE INCENTIVE FACTOR
RESULTS
TABLE OF CONTENTS

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
REWARD/PENALTY TABLE – ACTUAL
OCTOBER 1993 – MARCH 1994

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS/(LOSS) ($000)	GENERATING PERFORMANCE INCENTIVE FACTOR ($000)
+10	4,809.7	1,732.3
+ 9	4,328.7	1,559.1
+ 8	3,847.8	1,385.9
+ 7	3,366.8	1,212.6
+ 6	2,885.8	1,039.4
+ 5	2,404.9	866.2
+ 4	1,923.9	692.9
+ 3	1,442.9	519.7
+ 2	961.9	346.5
+ 1	481.0	173.2
0	0.0	0.0
– 1	(784.6)	(173.2)
– 2	(1,569.3)	(346.5)
– 3	(2,353.9)	(519.7)
– 4	(3,138.6)	(692.9)
– 5	(3,923.2)	(866.2)
– 6	(4,707.8)	(1,039.4)
– 7	(5,492.5)	(1,212.6)
– 8	(6,277.1)	(1,385.9)
– 9	(7,061.8)	(1,559.1)
–10	(7,846.4)	(1,732.3)

GPIP Points 2,348

REWARD DOLLARS $406,404

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
ACTUAL
OCTOBER 1993 – MARCH 1994

Line 1	Beginning of period balance of common equity End of month common equity:	$865,665,660
Line 2	Month of October 1993	$835,308,373
Line 3	Month of November 1993	$841,449,090
Line 4	Month of December 1993	$847,570,000
Line 5	Month of January 1994	$825,707,762
Line 6	Month of February 1994	$872,110,661
Line 7	Month of March 1994	$879,129,116
Line 8	(summation of line 1 through 7 divided by 7)	$852,420,095
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)	$1,736,124
Line 12	Jurisdictional Sales	6,398,506 MWH
Line 13	Total Sales	6,412,522 MWH
Line 14	Jurisdictional Separation Factor (Line 12 divided by line 13)	99.78%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (Line 11 times Line 14)	$1,732,329

TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS
OCTOBER 1993 – MARCH 1994
ACTUAL

PLANT/UNIT	6 MO ADJ ACTUAL PERFORMANCE	WEIGHTING FACTOR %	UNIT POINTS	WEIGHTED UNIT POINTS
GANNON 5	87.3 EAF	2.72%	10.000	0.272
GANNON 6	81.9 EAF	5.14%	10.000	0.514
BIG BEND 1	82.2 EAF	6.82%	1.011	0.069
BIG BEND 2	60.6 EAF	5.14%	10.000	0.514
BIG BEND 3	86.8 EAF	12.35%	10.000	1.235
BIG BEND 4	68.5 EAF	11.05%	10.000	1.105
GANNON 5	10384 ANOHR	8.87%	0.000	0.000
GANNON 6	10324 ANOHR	11.59%	−5.263	−0.610
BIG BEND 1	9990 ANOHR	9.83%	−5.000	−0.492
BIG BEND 2	9966 ANOHR	8.81%	−2.966	−0.261
BIG BEND 3	9589 ANOHR	9.95%	0.000	0.000
BIG BEND 4	9974 ANOHR	7.73%	0.000	0.000
		100.00%		2.346

GPIF REWARD:	$406,404

TAMPA ELECTRIC COMPANY

GPIF TARGET AND RANGE SUMMARY

OCTOBER 1993 – MARCH 1994

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	2.72%	80.2	83.0	74.3	131.0	(383.5)	87.3	332.2
GANNON 6	5.14%	77.1	80.4	70.1	247.4	(688.0)	81.9	359.9
BIG BEND 1	6.82%	82.0	85.0	75.9	327.8	(1,283.3)	82.2	32.8
BIG BEND 2	5.14%	57.2	60.6	50.5	247.0	(970.8)	60.6	247.0
BIG BEND 3	12.35%	80.0	82.9	74.1	594.0	(929.4)	86.8	1,392.8
BIG BEND 4	11.05%	64.7	67.7	58.7	531.7	(883.5)	68.5	673.5
GPIF SYSTEM	43.22%				2,078.9	(5,115.6)		

AVERAGE NET OPERATING HEAT RATE FOR GPIF COAL GENERATING UNITS

PLANT/UNIT	WEIGHTING FACTOR (%)	TARGET ANOHR Btu/kwh	TARGET NOF	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	8.87%	10416	64.5	10013	10819	426.6	(426.6)	10384	12.8
GANNON 6	11.59%	10129	72.4	9826	10432	557.6	(557.6)	10324	(293.4)
BIG BEND 1	9.83%	9834	91.0	9597	10071	472.7	(472.7)	9990	(236.4)
BIG BEND 2	8.81%	9821	89.0	9510	10132	423.9	(423.9)	9966	(125.8)
BIG BEND 3	9.95%	9536	88.9	9299	9773	478.7	(478.7)	9589	0.0
BIG BEND 4	7.73%	9927	87.0	9700	10154	371.3	(371.3)	9974	0.0
GPIF SYSTEM	56.78%					2,730.8	(3,130.8)		

ACTUAL UNIT PERFORMANCE DATA
TAMPA ELECTRIC COMPANY
OCTOBER 1993 – MARCH 1994

PLANT/UNIT	ACTUAL EAF %	ADJUSTMENTS (1) EAF %	EAF ADJUSTED ACTUAL %
GANNON 5	90.2	–2.9	87.3
GANNON 6	62.7	19.2	81.9
BIG BEND 1	85.5	–3.3	82.2
BIG BEND 2	92.7	–32.1	60.6
BIG BEND 3	87.4	–0.6	86.8
BIG BEND 4	88.9	–20.4	68.5

PLANT/UNIT	ACTUAL ANOHR Btu/kwh	ADJUSTMENT (2) TO ANOHR Btu/kwh	ANOHR ADJUSTED ACTUAL Btu/kwh
GANNON 5	10266	118	10384
GANNON 6	10336	–12	10324
BIG BEND 1	10013	–23	9990
BIG BEND 2	9969	–3	9966
BIG BEND 3	9667	–78	9589
BIG BEND 4	9955	19	9974

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

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
GANNON UNIT NO. 5
OCTOBER 1993 – MARCH 1994

WEIGHTING FACTOR = 2.72%

	6 MO. TARGET	6 MO. ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
P.H.	4369.0	4369.0	4369.0
E.A.F.	80.2	90.2	87.3
P.O.H.	312.0	178.1	312.0
F.O.H. + E.F.O.H	426.0	250.1	242.1
M.O.H. + E.M.O.H	130.0	0.0	0.0
P.O.F.	7.1	4.1	7.1
E.F.O.F.	9.8	5.7	5.5
E.M.O.F.	3.0	0.0	0.0

10.000 E. A. POINTS

ADJUSTMENTS TO EAF:

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

$$\frac{4369.0 - 312.0}{4369.0 - 178.1} \times (49.9 + 200.2 + 0.0 + 0.0) = 0.9680 \times 250.1 = 242.1$$

$$\frac{\text{POH} + \text{EUOH}}{\text{PH}} \times 100\% = \text{POF} + \text{EUOF} = \frac{312.0 + 242.1}{4369.0} = 12.7$$

$$100.0 - (\text{POF} + \text{EUOF}) = \text{EAF} = 100.0 - 12.7 = 87.3$$

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 1993 – MARCH 1994

WEIGHTING FACTOR = 5.14%

	6 MO. TARGET	6 MO. ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
P.H.	4369.0	4369.0	4369.0
E.A.F.	77.1	62.7	81.9
P.O.H.	336.0	1280.2	336.0
F.O.H. + E.F.O.H	536.0	241.7	315.6
M.O.H. + E.M.O.H	129.0	106.9	139.6
P.O.F.	7.7	29.3	7.7
E.F.O.F.	12.3	5.5	7.2
E.M.O.F.	3.0	2.4	3.2

10.000 E. A. POINTS

ADJUSTMENTS TO EAF:

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

$$\frac{4369.0 - 336.0}{4369.0 - 1280.2} \times (93.4 + 148.3 + 106.4 + 0.5) = 1.3057 \times 348.6 = 455.2$$

$$\frac{\text{POH} + \text{EUOH}}{\text{PH}} \times 100\% = \text{POF} + \text{EUOF} = \frac{336.0 + 455.2}{4369.0} = 18.1$$

$$100.0 - (\text{POF} + \text{EUOF}) = \text{EAF} = 100.0 - 18.1 = 81.9$$

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 1993 – MARCH 1994

WEIGHTING FACTOR = 6.82%

	6 MO. TARGET	6 MO. ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
P.H.	4369.0	4369.0	4369.0
E.A.F.	82.0	85.5	82.2
P.O.H.	168.0	0.0	168.0
F.O.H. + E.F.O.H	441.0	601.4	578.3
M.O.H. + E.M.O.H	181.0	32.0	30.8
P.O.F.	3.8	0.0	3.8
E.F.O.F.	10.1	13.8	13.2
E.M.O.F.	4.1	0.7	0.7

1.011 E. A. POINTS

ADJUSTMENTS TO EAF:

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

$$\frac{4369.0 - 166.0}{4369.0 - 0.0} \times (565.9 + 35.5 + 3.0 + 29.0) = 0.9615 \times 633.4 = 609.0$$

$$\frac{\text{POH} + \text{EUOH}}{\text{PH}} \times 100\% = \text{POF} + \text{EUOF} = \frac{168.0 + 609.0}{4369.0} = 17.8$$

$$100.0 - (\text{POF} + \text{EUOF}) = \text{EAF} = 100.0 - 17.8 = 82.2$$

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. 2
OCTOBER 1993 – MARCH 1994

WEIGHTING FACTOR = 5.14%

	6 MO. TARGET	6 MO. ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
P.H.	4369.0	4369.0	4369.0
E.A.F.	57.2	92.7	60.6
P.O.H.	1512.0	0.0	1512.0
F.O.H. + E.F.O.H	280.0	226.8	148.3
M.O.H. + E.M.O.H	77.0	92.2	60.3
P.O.F.	34.6	0.0	34.6
E.F.O.F.	6.4	5.2	3.4
E.M.O.F.	1.8	2.1	1.4

10.000 E. A. POINTS

ADJUSTMENTS TO EAF:

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

$$\frac{4369.0 - 1512.0}{4369.0 - 0.0} \times (137.6 + 89.2 + 45.8 + 46.4) = 0.6539 \times 319.0 = 208.6$$

$$\frac{\text{POH} + \text{EUOH}}{\text{PH}} \times 100\% = \text{POF} + \text{EUOF} = \frac{1512.0 + 208.6}{4369.0} = 39.4$$

$$100.0 - (\text{POF} + \text{EUOF}) = \text{EAF} = 100.0 - 39.4 = 60.6$$

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. 3
OCTOBER 1993 – MARCH 1994

WEIGHTING FACTOR = 12.35%

	6 MO. TARGET	6 MO. ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
P.H.	4369.0	4369.0	4369.0
E.A.F.	80.0	87.4	86.8
P.O.H.	312.0	283.5	312.0
F.O.H. + E.F.O.H	300.0	195.8	194.4
M.O.H. + E.M.O.H	264.0	72.1	71.6
P.O.F.	7.1	6.5	7.1
E.F.O.F.	6.9	4.5	4.4
E.M.O.F.	6.0	1.7	1.6

10.000 E. A. POINTS

ADJUSTMENTS TO EAF:

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

$$\frac{4369.0 - 312.0}{4369.0 - 283.5} \times (151.0 + 44.8 + 14.8 + 57.3) = 0.9930 \times 267.9 = 266.0$$

$$\frac{\text{POH} + \text{EUOH}}{\text{PH}} \times 100\% = \text{POF} + \text{EUOF} = \frac{312.0 + 266.0}{4369.0} = 13.2$$

100.0 – (POF + EUOF) = EAF = 100.0 – 13.2 = 86.8

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. 4
OCTOBER 1993 – MARCH 1994

WEIGHTING FACTOR = 11.05%

	6 MO. TARGET	6 MO. ACTUAL PERFORMANCE	ADJUSTED ACTUAL PERFORMANCE
P.H.	4369.0	4369.0	4369.0
E.A.F.	64.7	88.9	68.5
P.O.H.	1176.0	223.9	1176.0
F.O.H. + E.F.O.H	239.0	100.8	77.6
M.O.H. + E.M.O.H	128.0	159.3	122.7
P.O.F.	26.9	5.1	26.9
E.F.O.F.	5.5	2.3	1.8
E.M.O.F.	2.9	3.6	2.8

10.000 E. A. POINTS

ADJUSTMENTS TO EAF:

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

$$\frac{4369.0 - 1176.0}{4369.0 - 223.9} \times (64.6 + 36.2 + 74.4 + 84.9) = 0.7703 \times 260.1 = 200.4$$

$$\frac{\text{POH} + \text{EUOH}}{\text{PH}} \times 100\% = \text{POF} + \text{EUOF} = \frac{1176.0 + 200.4}{4369.0} = 31.5$$

$$100.0 - (\text{POF} + \text{EUOF}) = \text{EAF} = 100.0 - 31.5 = 68.5$$

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 1993 – MARCH 1994

WEIGHTING FACTOR = 8.87%

	6 MO. TARGET	6 MO ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10416	10266
STA. NET GEN. (GWH)	553.8	445.5
OPER. Btu (10^9 btu)	5768.512	4573.463
NET OUTPUT FACTOR	64.5	70.9

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON:

CURRENT EQUATION NOF(−18.46470) + 11607.3 = ANOHR

70.9(−18.46470) + 11607.3 = 10299

10266 − 10298 = −32

10416 + −32 = 10384

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
GANNON 6
HEAT RATE DATA
OCTOBER 1993 – MARCH 1994

WEIGHTING FACTOR = 11.59%

	6 MO. TARGET	6 MO ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10129	10336
STA. NET GEN. (GWH)	959.1	475.1
OPER. Btu (10^9 btu)	9714.772	4910.465
NET OUTPUT FACTOR	72.4	71.6

–5.263 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON:

CURRENT EQUATION NOF(–15.28630) + 11235.6 = ANOHR

71.6(–15.28630) + 11235.6 = 10141

10336 – 10141 = 195

10129 + 195 = 10324

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 1993 – MARCH 1994

WEIGHTING FACTOR = 9.83%

	6 MO. TARGET	6 MO ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	9834	10013
STA. NET GEN. (GWH)	1417.0	1342.0
OPER. Btu (10^9 btu)	13934.520	13436.998
NET OUTPUT FACTOR	91.0	87.2

-5.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON:

CURRENT EQUATION NOF(-6.23790) + 10401.4 = ANOHR

87.2(-6.23790) + 10401.4 = 9857

10013 - 9857 = 156

9834 + 156 = 9990

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 1993 -- MARCH 1994

WEIGHTING FACTOR = 8.81%

	6 MO. TARGET	6 MO ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	9821	9969
STA. NET GEN. (GWH)	963.1	1440.3
OPER. Btu (10^9 btu)	9458.125	14357.686
NET OUTPUT FACTOR	89.0	84.8

-2.966 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON:

CURRENT EQUATION NOF(-0.79520) + 9891.7 = ANOHR

84.8(-0.79520) + 9891.7 = 9824

9969 - 9824 = 145

9821 + 145 = 9966

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND 3
HEAT RATE DATA
OCTOBER 1993 -- MARCH 1994

WEIGHTING FACTOR = 9.95%

	6 MO. TARGET	6 MO ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	9536	9667
STA. NET GEN. (GWH)	1436.5	1384.6
OPER. Btu (10^9 btu)	13699.333	13386.502
NET OUTPUT FACTOR	88.9	82.2

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON:

CURRENT EQUATION NOF(-11.52270) + 10560.7 = ANOHR

82.2(-11.52270) + 10560.7 = 9614

9667 - 9614 = 53

9536 + 53 = 9589

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 1993 – MARCH 1994

WEIGHTING FACTOR = 7.73%

	6 MO. TARGET	6 MO ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	9927	9955
STA. NET GEN. (GWH)	1156.5	1570.6
OPER. Btu (10^9 btu)	11481.368	15635.751
NET OUTPUT FACTOR	87.0	88.1

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON:

CURRENT EQUATION NOF(−17.47120) + 11447.3 = ANOHR

88.1(−17.47120) + 11447.3 = 9908

9955 − 9908 = 47

9927 ÷ 47 = 9974

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

TAMPA ELECTRIC COMPANY

GPIF PLANNED OUTAGE SCHEDULE - ACTUAL

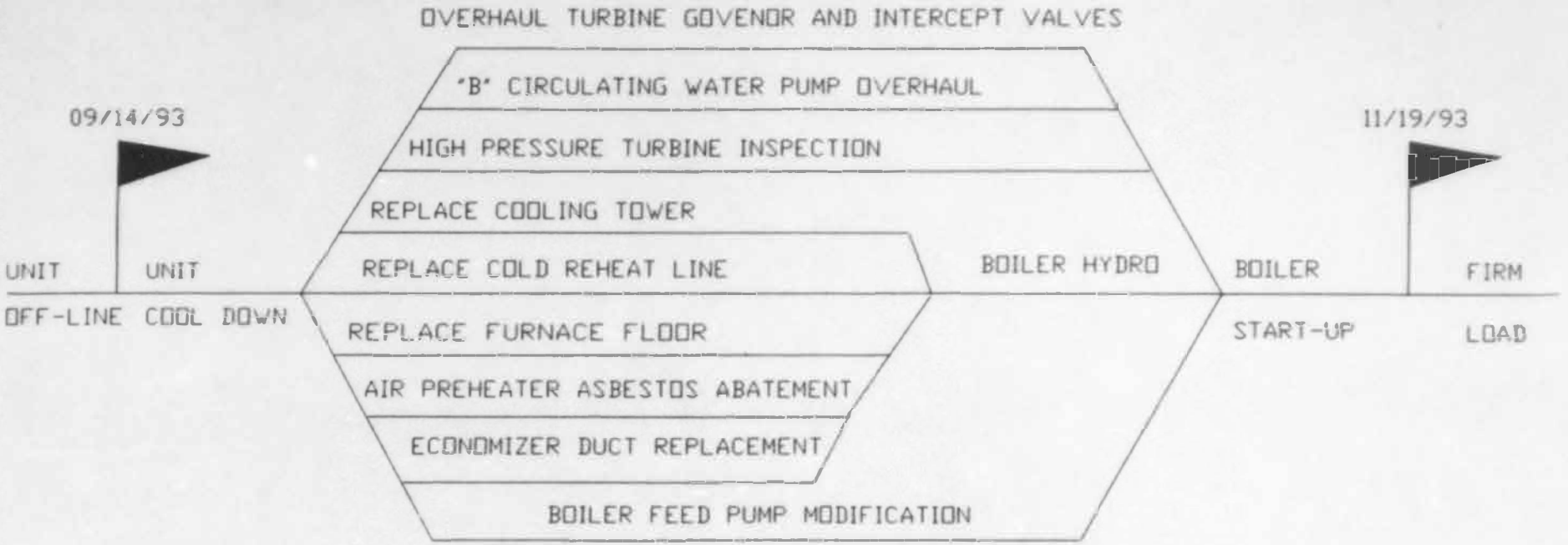
OCTOBER 1993 - MARCH 1994

STATION/UNIT	ACTUAL OUTAGE DATES	OUTAGE REASON
** GANNON 5	DEC 14 - DEC 22	FUEL SYSTEM CLEAN-UP
* GANNON 6	SEP 14 - NOV 28	REPLACE COLD REHEAT LINE REPLACE BOILER FLOOR REPLACE HOT GAS DUCT & TOGLE DUCT REPLACE COOLING TOWER HIGH PRESSURE TURBINE INSPECTION INSPECT GOVERNOR VALVES INSPECT FRONT STD.
** BIG BEND 3	NOV 30 - DEC 5	SO3 PROBE INSTALLATION
** BIG BEND 4	FEB 26 - MAR 10	FUEL SYSTEM CLEAN-UP

Milestone or Critical Path Charts of actual schedule are included on page 20.

* Start / End date outside of GPIF period

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



TAMPA ELECTRIC COMPANY
GANNON UNIT NO. 6
PLANNED OUTAGE 1993
ACTUAL CPM
11/10/93

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1993 - MARCH 1994

GANNON 5

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	131.0	Adjusted EAF 87.3 ⇨	83.0	+10		426.6		10619
+9		117.9		82.7	+9		383.9		10646
+8		104.8		82.4	+8		341.3		10679
+7		91.7		82.2	+7		298.6		10711
+6		78.6		81.9	+6		256.0		10744
+5		65.5		81.6	+5		213.3		10777
+4		52.4		81.3	+4		170.6		10810
+3		39.3		81.0	+3		128.0		10843
+2		26.2		80.8	+2		85.3		10875
+1		13.1		80.5	+1		42.7		10908
							0.0	Adjusted Actual ANOHR 10884 ⇨	10941
0		0.0		80.2	0	⇦ ANHR Points 0.000	0.0		10416
							0.0		10491
-1		(36.1)		79.8	-1		(42.7)		10524
-2		(72.1)		79.0	-2		(85.3)		10557
-3		(108.2)		78.4	-3		(128.0)		10589
-4		(144.2)		77.8	-4		(170.6)		10622
-5		(180.3)		77.3	-5		(213.3)		10655
-6		(216.4)		76.7	-6		(256.0)		10688
-7		(252.4)		76.1	-7		(298.6)		10721
-8		(288.5)		75.5	-8		(341.3)		10753
-9		(324.5)		74.9	-9		(383.9)		10786
-10		(360.6)		74.3	-10		(426.6)		10819

Weighting Factor = 2.72%

Weighting Factor = 8.87%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1993 – MARCH 1994

GANNON 6

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	247.4	80.4	+10	557.6	9826
+9	222.7	80.1	+9	501.8	9849
+8	197.9	79.7	+8	446.1	9872
+7	173.2	79.4	+7	390.3	9894
+6	148.4	79.1	+6	334.6	9917
+5	123.7	78.8	+5	278.8	9940
+4	99.0	78.4	+4	223.0	9963
+3	74.2	78.1	+3	167.3	9986
+2	49.5	77.8	+2	111.5	10008
+1	24.7	77.4	+1	55.8	10031
				0.0	10054
0	0.0	77.1	0	0.0	10129
				0.0	10204
−1	(68.8)	76.4	−1	(55.8)	10227
−2	(137.6)	75.7	−2	(111.5)	10250
−3	(206.4)	75.0	−3	(167.3)	10272
−4	(275.2)	74.3	−4	(223.0)	10295
−5	(344.0)	73.6	−5	(278.8)	10318
−6	(412.8)	72.9	−6	(334.6)	10341
−7	(481.6)	72.2	−7	(390.3)	10364
−8	(550.4)	71.5	−8	(446.1)	10386
−9	(619.2)	70.8	−9	(501.8)	10409
−10	(688.0)	70.1	−10	(557.6)	10432

EAF Points 10.000

Adjusted EAF 81.9

AHR Points −5.263

Adjusted Actual ANOHR 10324

Weighting Factor = 5.14%

Weighting Factor = 11.59%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1993 – MARCH 1994

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	327.8	83.0	+10	472.7	9597
+ 9	295.0	84.7	+ 9	425.4	9613
+ 8	262.2	84.4	+ 8	378.2	9629
+ 7	229.5	84.1	+ 7	330.9	9646
+ 6	196.7	83.8	+ 6	283.6	9662
+ 5	163.9	83.5	+ 5	236.4	9678
+ 4	131.1	83.2	+ 4	189.1	9694
+ 3	98.3	82.9	+ 3	141.8	9710
+ 2	65.6	82.6	+ 2	94.5	9727
+ 1	32.8	82.3	+ 1	47.3	9743
				0.0	9759
0	0.0	82.0	0	0.0	9834
				0.0	9909
– 1	(128.3)	81.4	– 1	(47.3)	9925
– 2	(256.7)	80.8	– 2	(94.5)	9941
– 3	(385.0)	80.2	– 3	(141.8)	9958
– 4	(513.3)	79.6	– 4	(189.1)	9974
– 5	(641.7)	79.0	– 5	(236.4)	9990
– 6	(770.0)	78.3	– 6	(283.6)	10006
– 7	(898.3)	77.7	– 7	(330.9)	10022
– 8	(1,026.6)	77.1	– 8	(378.2)	10039
– 9	(1,155.0)	76.5	– 9	(425.4)	10055
–10	(1,283.3)	75.9	–10	(472.7)	10071

EAF Points 1.011

Adjusted EAF 82.2

AHR Points –5.000

Adjusted Actual ANOHR 9990

Weighting Factor = 6.82%

Weighting Factor = 9.83%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1993 - MARCH 1994

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	247.0	60.6	+10	423.9	9510
+9	222.3	60.3	+9	381.5	9534
+8	197.6	59.9	+8	339.1	9557
+7	172.9	59.6	+7	296.7	9581
+6	148.2	59.2	+6	254.3	9604
+5	123.5	58.9	+5	212.0	9628
+4	98.8	58.6	+4	169.6	9652
+3	74.1	58.2	+3	127.2	9675
+2	49.4	57.9	+2	84.8	9699
+1	24.7	57.5	+1	42.4	9722
				0.0	9746
0	0.0	57.2	0	0.0	9821
				0.0	9896
-1	(97.1)	56.5	-1	(42.4)	9920
-2	(194.2)	55.9	-2	(84.8)	9943
-3	(291.3)	55.2	-3	(127.2)	9967
-4	(388.3)	54.5	-4	(169.6)	9990
-5	(485.4)	53.9	-5	(212.0)	10014
-6	(582.5)	53.2	-6	(254.3)	10038
-7	(679.6)	52.5	-7	(296.7)	10061
-8	(776.8)	51.8	-8	(339.1)	10085
-9	(873.7)	51.2	-9	(381.5)	10108
-10	(970.8)	50.5	-10	(423.9)	10132
	Weighting Factor =	5.14%		Weighting Factor =	8.81%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1993 – MARCH 1994

BIG BEND 3

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	[illegible]	82.9	+10	478.7	9299
+9	534.8	82.6	+9	430.8	9315
+8	475.2	82.3	+8	383.0	9331
+7	415.8	82.0	+7	335.1	9348
+6	356.4	81.7	+6	287.2	9364
+5	297.0	81.5	+5	239.4	9380
+4	237.6	81.2	+4	191.5	9396
+3	178.2	80.9	+3	143.6	9412
+2	118.8	80.6	+2	95.7	9429
+1	59.4	80.3	+1	47.9	9445
				0.0	9461
0	0.0	80.0	0	0.0	9536
				0.0	9611
−1	(92.9)	79.4	−1	(47.9)	9627
−2	(185.9)	78.8	−2	(95.7)	9643
−3	(278.8)	78.2	−3	(143.6)	9660
−4	(371.8)	77.6	−4	(191.5)	9676
−5	(464.7)	77.1	−5	(239.4)	9692
−6	(557.6)	76.5	−6	(287.2)	9708
−7	(650.6)	75.9	−7	(335.1)	9724
−8	(743.5)	75.3	−8	(383.0)	9741
−9	(836.5)	74.7	−9	(430.8)	9757
−10	(929.4)	74.1	−10	(478.7)	9773

Weighting Factor = 12.35%

Weighting Factor = 9.95%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1993 – MARCH 1994

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
	EAF Points 10,000		Adjusted EAF 81.6					
+10		531.7	67.7	+10		371.3		9700
+ 9		478.5	67.4	+ 9		334.2		9715
+ 8		425.4	67.1	+ 8		297.0		9730
+ 7		372.2	66.8	+ 7		259.9		9746
+ 6		319.0	66.5	+ 6		222.8		9761
+ 5		265.9	66.2	+ 5		185.7		9776
+ 4		212.7	65.9	+ 4		148.5		9791
+ 3		159.5	65.6	+ 3		111.4		9806
+ 2		106.3	65.3	+ 2		74.3		9822
+ 1		53.2	65.0	+ 1		37.1		9837
						0.0		9852
0		0.0	64.7	0	AHR Points 0.000	0.0	Adjusted Actual ANOHR 9974	9927
						0.0		10002
– 1		(88.4)	64.1	– 1		(37.1)		10017
– 2		(176.7)	63.5	– 2		(74.3)		10032
– 3		(265.1)	62.9	– 3		(111.4)		10048
– 4		(353.4)	62.3	– 4		(148.5)		10063
– 5		(441.8)	61.7	– 5		(185.7)		10078
– 6		(530.1)	61.1	– 6		(222.8)		10093
– 7		(618.4)	60.5	– 7		(259.9)		10108
– 8		(706.8)	59.9	– 8		(297.0)		10124
– 9		(795.2)	59.3	– 9		(334.2)		10139
–10		(883.5)	58.7	–10		(371.3)		10154

Weighting Factor = 11.05%

Weighting Factor = 7.73%

TAMPA ELECTRIC COMPANY

COMPARISON OF GPIF TARGETS VS. ACTUAL PERFORMANCE

AVAILABILITY

PLANT/UNIT	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD OCT 93 – MAR 94 POF	EUOF	EUOR	ACTUAL PERFORMANCE OCT 93 – MAR 94 POF	EUOF	EUOR
BIG BEND1	6.82%	15.8	3.8	14.2	14.8	0.0	14.5	14.5
BIG BEND2	5.14%	11.9	34.6	8.2	12.5	0.0	7.3	7.3
BIG BEND3	12.35%	28.6	7.1	12.9	13.9	6.5	6.1	6.6
BIG BEND 4	11.05%	25.6	26.9	8.4	11.5	5.1	6.0	6.3
GANNON 5	2.72%	6.3	7.1	12.8	13.7	4.1	5.7	8.9
GANNON 6	5.14%	11.9	7.7	15.3	16.5	29.3	8.0	17.2
	43.22%	100.0						
GPIF SYSTEM WGT'D AVG.			15.0	11.7	13.6	6.9	7.7	9.2
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY				73.3			85.4	

5 PERIOD AVERAGE POF	EUOF	EUOR	5 PERIOD AVERAGE EAF
7.6	11.5	12.8	80.9

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT/UNIT	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING FACTOR	HEAT RATE TARGET	ADJUSTED ACTUAL HEAT RATE OCT 93 – MAR 94
GANNON 5	8.87%	15.6	10416	10384
GANNON 6	11.59%	20.4	10129	10324
BIG BEND 1	9.83%	17.3	9834	9990
BIG BEND 2	8.81%	15.5	9821	9966
BIG BEND 3	9.95%	17.6	9536	9589
BIG BEND 4	7.73%	13.6	9927	9974
	56.78%	100.0		
GPIF SYSTEM WEIGHTED AVERAGE H.R.(Btu/kwh)			9947	10047

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
OCTOBER 1993 – MARCH 1994

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 = 2.72% (GN5 EAP) + 5.14% (GN6 EAP) + 6.82% (BB1 EAP)
+ 5.14% (BB2 EAP) + 12.35% (BB3 EAP) + 11.05% (BB4 EAP)
+ 8.87% (GN5 AHRP) + 11.59% (GN6 AHRP) + 9.83% (BB1 AHRP)
+ 8.81% (BB2 AHRP) + 9.95% (BB3 AHRP) + 7.73% (BB4 AHRP)

GPIP = 2.72% (10.000) + 5.14% (10.000) + 6.82% (1.011)
+ 5.14% (10.000) + 12.35% (10.000) + 11.05% (10.000)
+ 8.87% (0.000) + 11.59% (−5.263) + 9.83% (−5.000)
+ 8.81% (−2.966) + 9.95% (0.000) + 7.73% (0.000)

GPIP = (0.272) + (0.514) + (0.069) + (0.514) + (1.235)
+ (1.105) + (0.000) + (−0.510) + (−0.492) + (−0.261)
+ (0.000) + (0.000)

GPIP = 2.346 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 = $406,404