

AUSLEY & McMULLEN

ATTORNEYS AND COUNSELORS AT LAW

227 SOUTH CALHOUN STREET
P.O. BOX 391 (ZIP 32302)
TALLAHASSEE, FLORIDA 32301
(904) 224-9115 FAX (904) 222-7560

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May 20, 1997

HAND DELIVERED

Ms. Blanca S. Bayo, Director
Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Fuel and Purchased Power Cost Recovery Clause
with Generating Performance Incentive Factor;
FPSC Docket No. 970001-EI

Dear Ms. Bayo:

Enclosed for filing in the above docket, on behalf of Tampa Electric Company, are ten copies of each of the following:

1. Prepared Direct Testimony and Exhibit (KAB-1) of Karen A. Branick regarding Fuel Cost Recovery and Capacity Cost Recovery, Final True-Up for the period October 1996 through March 1997. 05066-97
2. Prepared Direct Testimony and Exhibit (GAK-1) regarding Tampa Electric Company's Generating Performance Incentive Factor Results for the period October 1996 through March 1997. 05067-97

ACK _____ Please acknowledge receipt and filing of the above by stamping
AFA 1 the duplicate copy of this letter and returning same to this
APP _____ writer.

CAF _____ Thank you for your assistance in connection with this matter.

CMU _____

CTR _____

EAG Bas

LEG 1

LIN 3+DG

OPC _____

RCH _____

SEC 1 cc: All Parties of Record (w/enc.)

WAS _____

OTH _____

Sincerely,


James D. Beasley

JDB/pp
Enclosures

1 BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

2 PREPARED DIRECT TESTIMONY

3 OF

4 GEORGE A. KESELOWSKY

5
6 Q. Will you please state your name, business address, and
7 employer?

8
9 A. My name is George A. Keselowsky and my business address is
10 Post Office Box 111, Tampa, Florida 33601. I am employed
11 by Tampa Electric Company.

12
13 Q. Please furnish us with a brief outline of your educational
14 background and business experience.

15
16 A. I graduated in 1972 from the University of South Florida
17 with a Bachelor of Science Degree in Mechanical
18 Engineering. I have been employed by Tampa Electric
19 Company in various engineering positions since that time.
20 My current position is that of Senior Consulting Engineer
21 -Production Engineering.

1 Q. What are your current responsibilities?

2

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

6

7 Q. What is the purpose of your testimony?

8

9 A. My testimony presents the actual performance results from
10 unit equivalent availability and station heat rate used to
11 determine the Generating Performance Incentive Factor
12 (GPIF) for the period October 1996 through March 1997. I
13 will also compare these results to the targets established
14 prior to the beginning of the period.

15

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

18

19 A. Yes. Under my direction and supervision an exhibit has
20 been prepared entitled, "Tampa Electric Company, October
21 1996 - March 1997, Generating Performance Incentive Factor
22 Results" consisting of 28 pages that was filed with this
23 testimony (Have identified as Exhibit GAK-1).

24

25

- 1 Q. Have you calculated the results of Tampa Electric Company
2 for its performance under the GPIF during this period?
3
- 4 A. Yes I have. This is shown on page 4 of my exhibit. Based
5 upon + 0.512 GPIF points, the result is a reward amount of
6 \$96,660 for the period.
7
- 8 Q. Please proceed with your review of the actual results for
9 the October 1996 - March 1997 period.
10
- 11 A. On page 3 of my exhibit, the actual average common equity
12 for the period is shown on line 8 as \$1,118,087,092. This
13 produces the maximum penalty or reward figure of \$2,258,102
14 as shown on line 15, page 3, and also page 2 of my exhibit.
15
- 16 Q. Would you please explain how you arrived at the actual
17 equivalent availability results for the six units included
18 within the GPIF?
19
- 20 A. Yes I will. Operating data on each of our operating units
21 is filed monthly with the Florida Public Service Commission
22 on the Actual Unit Performance data form. Additionally,
23 outage information is reported to the Commission on a
24 monthly basis. A summary of this data for the six months
25 provides the basis for the GPIF.

1 Q. Are the equivalent availability results shown on page 6,
2 column 2, directly applicable to the GPIF table?

3
4 A. Not exactly. Adjustments to equivalent availability may be
5 required as noted in section 4.3.3 of the GPIF Manual. The
6 actual equivalent availability including the required
7 adjustment is shown on page 6 of my exhibit. The necessary
8 adjustments as prescribed in the GPIF Manual are further
9 defined by a letter dated October 23, 1981, from Mr. J.H.
10 Hoffsis of the Commission's Staff. The adjustments for
11 each unit are as follows:

12
13 Gannon Unit No. 5

14 On this unit, 336 planned outage hours were originally
15 scheduled to fall within the Winter 1996 period. Due to a
16 revision of the outage schedule 604.9 planned outage hours
17 were accomplished within the Winter 1996 period.
18 Consequently, the actual equivalent availability of 63.8%
19 is adjusted to 68.3%, as shown on page 7 of my exhibit.

20
21 Gannon Unit No. 6

22 On this unit, 336 planned outage hours were originally
23 scheduled to fall within the Winter 1996 period. Actual
24 planned outage activities required 413.2 hours.
25 Consequently, the actual equivalent availability of 79.1%

1 is adjusted to 80.6%, as shown on page 8 of my exhibit.

2

3 Big Bend Unit No. 1

4 On this unit 600 planned outage hours were originally
5 scheduled to fall within the Winter 1996 period. Due to a
6 revision of the outage schedule 404.8 planned outage hours
7 were required. Consequently, the actual equivalent
8 availability of 75.0% is adjusted to 71.3% as shown on page
9 of my exhibit.

10

11 Big Bend Unit No. 2

12 On this unit 505 planned outage hours were originally
13 scheduled to fall within the Winter 1996 period. Actual
14 planned outage activities required 460.3 hours.
15 Consequently, the actual equivalent availability of 79.5%
16 is adjusted to 79.6% as shown on page 10 of my exhibit.

17

18 Big Bend Unit No. 3

19 On this unit 744 planned outage hours were originally
20 scheduled to fall within the Winter 1996 period. Due to a
21 revision of the outage schedule, the outage was moved to
22 begin after the end of the period, and no planned outage
23 hours fell within the period. Consequently, the actual
24 equivalent availability of 83.5% is adjusted to 69.2% as
25 shown on page 11 of my exhibit.

1 Big Bend Unit No. 4

2 This unit was not scheduled to have a planned outage during
3 the Winter 1996 period. Due to a revision of the outage
4 schedule, a planned outage was moved forward and was
5 accomplished within the period. Consequently, the actual
6 equivalent availability of 82.7% was adjusted to 93.7% as
7 shown on page 12 of my exhibit.

8

9 Q. How did you arrive at the applicable equivalent
10 availability points for each unit?

11

12 A. The final adjusted equivalent availabilities for each unit
13 are shown on page 6, column 4, of my exhibit. This number
14 is entered into the respective Generating Performance
15 Incentive Point (GPIP) Table for each particular unit on
16 pages 21 through 26. Page 4 of my exhibit summarizes the
17 equivalent availability points to be awarded or penalized.

18

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

21

22 A. The actual heat rate and adjusted actual heat rate for
23 Gannon and Big Bend Station are shown on page 6 of my
24 exhibit. The adjustment was developed based on the
25 guidelines of section 4.3.6 of the GPIF Manual. This

1 procedure is further defined by a letter dated October 23,
2 1981, from Mr. J.H. Hoffsis of the FPSC Staff. The final
3 adjusted actual heat rates are also shown on page 5 of my
4 exhibit. This heat rate number is entered into the
5 respective GPIF table for the particular unit, shown on
6 pages 21 through 26. Page 4 of my exhibit summarizes the
7 weighted heat rate and equivalent availability points to be
8 awarded.

9
10 Q. Were any additional adjustments to heat rate required?

11
12 A. In order to assure compatability of data, Big Bend Unit 3
13 heat rates have been calculated in the standard fashion,
14 without scrubber power. This methodology has been reviewed
15 and approved by the PSC staff, to be employed until there
16 is sufficient operational history with the scrubber to meet
17 target preparation guidelines.

18
19 Q. Does this assure that the Big Bend 3 heat rate for the
20 period is appropriate for comparison to its target and
21 meets GPIF criteria?

22
23 A. Yes.

24
25

1 Q. What is the overall GPIF for Tampa Electric Company during
2 this six month period?
3
4 A. This is shown on page 28 of my exhibit. Essentially, the
5 weighting factors shown on page 4, column 3, plus the
6 equivalent availability points and the heat rate points
7 shown on page 4, column 4, are substituted within the
8 equation. This resultant value, +0.512, is then entered
9 into the GPIF table on page 2. Using linear interpolation,
10 a reward amount of \$96,660 is calculated.
11
12 Q. Does this conclude your testimony?
13
14 A. Yes, it does.
15
16
17
18
19
20
21
22
23
24
25

**TAMPA ELECTRIC COMPANY
OCTOBER 1996 - MARCH 1997
GENERATING PERFORMANCE INCENTIVE FACTOR
RESULTS
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**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
REWARD / PENALTY TABLE - ACTUAL
OCTOBER 1996 - MARCH 1997**

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+10	3,775.8	1,887.9
+9	3,398.2	1,699.1
+8	3,020.6	1,510.3
+7	2,643.1	1,321.5
+6	2,265.5	1,132.7
+5	1,887.9	944.0
+4	1,510.3	755.2
+3	1,132.7	566.4
+2	755.2	377.6
+1	377.6	188.8
0	0	0.0
-1	(461.7)	(188.8)
-2	(923.3)	(377.6)
-3	(1,385.0)	(566.4)
-4	(1,846.6)	(755.2)
-5	(2,308.3)	(944.0)
-6	(2,770.0)	(1,132.7)
-7	(3,231.6)	(1,321.5)
-8	(3,693.3)	(1,510.3)
-9	(4,154.9)	(1,699.1)
-10	(4,616.6)	(1,887.9)

←	GPIP Points 0.512	REWARD DOLLARS \$96,660	→
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**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
ACTUAL
OCTOBER 1996 - MARCH 1997**

Line 1	Beginning of period balance of common equity end of month common equity:	\$1,145,869,725
Line 2	Month of October 1996	\$1,109,165,893
Line 3	Month of November 1996	\$1,118,413,960
Line 4	Month of December 1996	\$1,127,178,586
Line 5	Month of January 1997	\$1,100,093,359
Line 6	Month of February 1997	\$1,107,764,565
Line 7	Month of March 1997	\$1,118,123,557
Line 8	(summation of line 1 through line 7 divided by 7)	\$1,118,087,092
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)	\$2,277,208
Line 12	Jurisdictional Sales	6866832 MWH
Line 13	Total Sales	6924931 MWH
Line 14	Jurisdictional Separation Factor (Line 12 divided by line 13)	99.16%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (Line 11 times line 14)	\$2,258,102

**TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS
OCTOBER 1996 - MARCH 1997
ACTUAL**

<u>PLANT/UNIT</u>	<u>6 MO ADJ ACTUAL PERFORMANCE</u>	<u>WEIGHTING FACTOR %</u>	<u>UNIT POINTS</u>	<u>WEIGHTED UNIT POINTS</u>
GANNON 5	68.3% EAF	3.10%	-10.000	-0.310
GANNON 6	80.6% EAF	7.75%	-4.304	-0.334
BIG BEND 1	71.3% EAF	1.98%	-6.681	-0.132
BIG BEND 2	79.6% EAF	5.46%	7.877	0.430
BIG BEND 3	69.2% EAF	7.45%	-2.273	-0.169
BIG BEND 4	93.7% EAF	6.06%	10.000	0.606
GANNON 5	10335 ANOHR	6.70%	-0.102	-0.007
GANNON 6	10294 ANOHR	11.44%	3.231	0.370
BIG BEND 1	10120 ANOHR	9.85%	-3.037	-0.299
BIG BEND 2	10037 ANOHR	12.92%	0.000	0.000
BIG BEND 3	9673 ANOHR	13.51%	0.000	0.000
BIG BEND 4	9928 ANOHR	<u>13.78%</u>	2.588	<u>0.357</u>
				0.512

GPIF REWARD

\$96,660

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY

OCTOBER 1996 - MARCH 1997

EQUIVALENT AVAILABILITY

<u>PLANT/UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>EAF TARGET (%)</u>	<u>EAF MAX. (%)</u>	<u>RANGE MIN. (%)</u>	<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>	<u>EAF ADJUSTED ACTUAL %</u>	<u>ACTUAL FUEL SAVINGS/LOSS (\$000)</u>
GANNON 5	3.10%	83.4	85.6	79.1	117.0	(217.4)	68.3%	(117.0)
GANNON 6	7.75%	82.6	84.9	78.0	292.6	(502.8)	80.6%	(125.9)
BIG BEND 1	1.98%	75.2	78.1	69.4	74.8	(241.0)	71.3%	(50.0)
BIG BEND 2	5.46%	77.0	80.3	70.4	206.2	(330.0)	79.6%	162.4
BIG BEND 3	7.45%	70.7	74.0	64.1	281.4	(534.5)	69.2%	(64.0)
BIG BEND 4	6.06%	91.3	93.0	87.8	<u>228.8</u>	<u>(215.9)</u>	93.7%	228.8
GPIF SYSTEM	31.80%				1,200.8	(2,041.6)		

**AVERAGE NET OPERATING HEAT RATE
FOR
GPIF COAL GENERATING UNITS**

<u>PLANT/UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>ANOHR Btu/kwh</u>	<u>TARGET NOF</u>	<u>ANOHR TARGET RANGE</u>		<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>	<u>ACTUAL ADJUSTED ANOHR</u>	<u>ACTUAL FUEL SAVINGS/LOSS (\$000)</u>
				<u>MIN.</u>	<u>MAX.</u>				
GANNON 5	6.70%	10258	72.2	9987	10529	253.0	(253.0)	10335	(2.6)
GANNON 6	11.44%	10443	72.4	10139	10747	432.0	(432.0)	10294	0.0
BIG BEND 1	9.85%	10004	83.5	9794	10214	372.0	(372.0)	10120	(113.0)
BIG BEND 2	12.92%	9979	82.1	9706	10252	488.0	(488.0)	10037	0.0
BIG BEND 3	13.51%	9600	84.1	9268	9932	510.0	(510.0)	9673	0.0
BIG BEND 4	<u>13.78%</u>	10047	84.7	9802	10292	<u>520.0</u>	<u>(520.0)</u>	9928	134.6
GPIF SYSTEM	68.20%					2,575.0	(2,575.0)		

**TAMPA ELECTRIC COMPANY
ACTUAL UNIT PERFORMANCE DATA
OCTOBER 1996 - MARCH 1997**

<u>PLANT / UNIT</u>	<u>ACTUAL EAF %</u>	<u>ADJUSTMENTS (1) EAF %</u>	<u>EAF ADJUSTED ACTUAL %</u>
GANNON 5	63.7	4.6	68.3
GANNON 6	79.1	1.5	80.6
BIG BEND 1	75.0	-3.7	71.3
BIG BEND 2	79.5	0.1	79.6
BIG BEND 3	83.4	-14.2	69.2
BIG BEND 4	82.6	11.1	93.7

<u>PLANT / UNIT</u>	<u>ACTUAL ANOHR Btu/kwh</u>	<u>ADJUSTMENTS (1) TO ANOHR Btu/kwh</u>	<u>ANOHR ADJUSTED ACTUAL Btu/kwh</u>
GANNON 5	10260	75	10335
GANNON 6	10330	-36	10294
BIG BEND 1	10242	-122	10120
BIG BEND 2	10080	-43	10037
BIG BEND 3	9838	-165	9673
BIG BEND 4	9918	10	9928

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

(1) Documentation of adjustments to Actual ANOHR on pages 13 - 18

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
GANNON UNIT NO. 5
OCTOBER 1996 - MARCH 1997

WEIGHTING FACTOR =

3.10%

	<u>6 MO. TARGET</u>	<u>6 MO. ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
P.H.	4369.0	4369.0	4369.0
E.A.F.	83.4	63.8	68.3
P.O.H.	336.0	604.9	336.0
F.O.H. + E.F.O.H	342.0	826.8	885.9
M.O.H. + E.M.O.H	49.0	153.3	164.3
P.O.F.	7.7	13.8	7.7
E.F.O.F.	7.8	18.9	20.3
E.M.O.F.	1.1	3.5	3.8

-10.000 E. A. POINTS

ADJUSTMENTS TO E.A.F.

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

$$\frac{4369 - 336}{4369 - 605} \times (589.9 + 236.9 + 136.9 + 16.4) = 1050.1$$

$$\frac{336 + 1050}{4369} \times 100 = 31.7$$

$$100.0 - 31.7 = 68.3$$

- PH - PERIOD HOURS
- EA.F - EQUIVALENT AVAILABILITY FACTOR
- POH - PLANNED OUTAGE HOURS
- FOH - FORCED OUTAGE HOURS
- MOH - 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
OCTOBER 1996 - MARCH 1997

WEIGHTING FACTOR = 7.75%

	<u>6 MO. TARGET</u>	<u>6 MO. ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
P.H.	4369.0	4369.0	4369.0
E.A.F.	82.6	79.1	80.6
P.O.H.	336.0	413.2	336.0
F.O.H. + E.F.O.H	250.0	330.4	336.8
M.O.H. + E.M.O.H	174.0	170.6	173.9
P.O.F.	7.7	9.5	7.7
E.F.O.F.	5.7	7.6	7.7
E.M.O.F.	4.0	3.9	4.0

-4.304 E. A. POINTS

ADJUSTMENTS TO E.A.F.

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

$$\frac{4369 - 336}{4369 - 413} \times (205.6 + 124.8 + 136.8 + 33.8) = 510.8$$

$$\frac{336 + 511}{4369} \times 100 = 19.4$$

$$100.0 - 19.4 = 80.6$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 1
OCTOBER 1996 - MARCH 1997

WEIGHTING FACTOR - 1.98%

	<u>6 MO. TARGET</u>	<u>6 MO. ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
P.H.	4369.0	4369.0	4369.0
E.A.F.	75.2	75.0	71.3
P.O.H.	600.0	404.8	600.0
F.O.H. + E.F.O.H	315.0	470.4	447.2
M.O.H. + E.M.O.H	170.0	216.3	205.6
P.O.F.	13.7	9.3	13.7
E.F.O.F.	7.2	10.8	10.2
E.M.O.F.	3.9	5.0	4.7

-6.681 E. A. POINTS

ADJUSTMENTS TO E.A.F.

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

$$\frac{4369 - 600}{4369 - 405} \times (121.9 + 348.5 + 39.6 + 176.7) - 652.9$$

$$\frac{600 + 653}{4369} \times 100 = 28.7$$

$$100.0 - 28.7 = 71.3$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 2
OCTOBER 1996 - MARCH 1997

WEIGHTING FACTOR = 5.46%

	<u>6 MO. TARGET</u>	<u>6 MO. ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
P.H.	4369.0	4369.0	4369.0
E.A.F.	77.0	79.5	79.6
P.O.H.	384.0	386.6	384.0
F.O.H. + E.F.O.H	505.0	460.3	460.6
M.O.H. + E.M.O.H	117.0	46.7	46.7
P.O.F.	8.8	8.8	8.8
E.F.O.F.	11.6	10.5	10.5
E.M.O.F.	2.7	1.1	1.1

7.877 E. A. POINTS

ADJUSTMENTS TO E.A.F.

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

$$\frac{4369 - 384}{4369 - 387} \times (121.5 + 338.8 + 0.0 + 46.7) = 507.3$$

$$\frac{384 + 507}{4369} \times 100 = 20.4$$

$$100.0 - 20.4 = 79.6$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 3
OCTOBER 1996 - MARCH 1997

WEIGHTING FACTOR = 7.45%

	<u>6 MO. TARGET</u>	<u>6 MO. ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
P.H.	4369.0	4369.0	4369.0
E.A.F.	70.7	83.5	69.2
P.O.H.	744.0	0.0	744.0
F.O.H. + E.F.O.H	362.0	478.2	396.8
M.O.H. + E.M.O.H	177.0	246.2	204.3
P.O.F.	17.0	0.0	17.0
E.F.O.F.	8.3	10.9	9.1
E.M.O.F.	4.1	5.6	4.7

-2.273 E. A. POINTS

ADJUSTMENTS TO E.A.F.

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

$$\frac{4369 - 744}{4369 - 0} \times (237.5 + 240.7 + 158.9 + 87.3) = 601.0$$

$$\frac{744 + 601}{4369} \times 100 = 30.8$$

$$100.0 - 30.8 = 69.2$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 4
OCTOBER 1996 - MARCH 1997

WEIGHTING FACTOR = 6.05%

	<u>6 MO. TARGET</u>	<u>6 MO. ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
P.H.	4369.0	4369.0	4369.0
E.A.F.	91.3	82.7	93.7
P.O.H.	0.0	520.3	0.0
F.O.H. + E.F.O.H	176.0	192.8	218.9
M.O.H. + E.M.O.H	206.0	48.2	54.7
P.O.F.	0.0	11.9	0.0
E.F.O.F.	4.0	4.4	5.0
E.M.O.F.	4.7	1.1	1.3

10.000 E. A. POINTS

ADJUSTMENTS TO E.A.F.

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

$$\frac{4369 - 0}{4369 - 520} \times (156.2 + 36.6 + 1.9 + 46.3) = 273.6$$

$$\frac{0 + 274}{4369} \times 100 = 6.3$$

$$100.0 - 6.3 = 93.7$$

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

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
GANNON UNIT NO. 5
HEAT RATE DATA
OCTOBER 1996 - MARCH 1997**

WEIGHTING FACTOR = 6.70%

	<u>6 MO. TARGET</u>	<u>6 MO ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10258	10260
STA. NET GEN. (GWH)	628.2	500.0
OPER. Btu (10 ⁹ btu)	6444.452	5130.057
NET OUTPUT FACTOR	72.2	76.7

-0.102 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION $\text{NOF}(-16.6072) + 11457.1 = \text{ANOHR}$

76.7 $(-16.6072) + 11457.1 =$ 10183

10260 - 10183 = 77

10258 + 77 = 10335

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
GANNON UNIT NO. 6
HEAT RATE DATA
OCTOBER 1996 - MARCH 1997

WEIGHTING FACTOR = 11.44%

	<u>6 MO. TARGET</u>	<u>6 MO ACTUAL PERFORMANCE</u>
ANCHR (Btu/kwh)	10443	10330
STA. NET GEN. (GWH)	941.6	1025.2
OPER. Btu (10 ⁹ btu)	9833.300	10590.163
NET OUTPUT FACTOR	72.4	77.0

3.231 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION $NOF(7.9043) + 9871.0 = ANOHR$

77.0	(7.9043)	+	9871.0	=	10479
10330	-		10479	=	-149
10443	+		-149	=	10294

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

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 1
HEAT RATE DATA
OCTOBER 1996 - MARCH 1997**

WEIGHTING FACTOR = 9.85%

	<u>6 MO. TARGET</u>	<u>6 MO ACTUAL PERFORMANCE</u>
ANOHR (Btu/lwh)	10004	10242
STA. NET GEN. (GWH)	1215.0	1229.4
OPER. Btu (10 ⁹ btu)	12155.016	12591.550
NET OUTPUT FACTOR	83.5	75.0

-3.037 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

$$\begin{array}{rcl}
 \text{CURRENT EQUATION} & \text{NOF}(-14.3332) + 11201.0 = & \text{ANOHR} \\
 75.0 (-14.3332) + 11201.0 = & & 10126 \\
 10242 - & 10126 = & 116 \\
 10004 + & 116 = & 10120
 \end{array}$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 2
HEAT RATE DATA
OCTOBER 1996 - MARCH 1997

WEIGHTING FACTOR = 12.92%

	<u>6 MO. TARGET</u>	<u>6 MO ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	9979	10080
STA. NET GEN. (GWH)	1221.8	1303.4
OPER. Btu (10 ⁹ btu)	12191.893	13138.758
NET OUTPUT FACTOR	82.1	78.3

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION $NOF(-11.3058) + 10907.1 = ANOHR$

$$78.3 (-11.3058) + 10907.1 = 10022$$

$$10080 - 10022 = 58$$

$$9979 + 58 = 10037$$

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 3
HEAT RATE DATA
OCTOBER 1996 - MARCH 1997

WEIGHTING FACTOR = 13.51%

	<u>6 MO. TARGET</u>	<u>6 MO ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	9600	9838
STA. NET GEN. (GWH)	1158.6	1459.1
OPER. Btu (10 ⁹ btu)	11122.669	14354.788
NET OUTPUT FACTOR	84.1	83.7

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION $NOF(-13.73530) + 10913.8 = ANOHR$

83.7	(-13.73530)	+	10913.8	=	9765
9838	-		9765	=	73
9600	+		73	=	9673

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

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 4
HEAT RATE DATA
OCTOBER 1996 - MARCH 1997

WEIGHTING FACTOR = 13.78%

	<u>6 MO. TARGET</u>	<u>6 MO ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10047	9918
STA. NET GEN. (GWH)	1545.1	1462.0
OPER. Btu (10 ⁹ btu)	15523.350	14499.006
NET OUTPUT FACTOR	84.7	88.6

2.588 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION $NOF(-2.45735) + 10255.1 = ANOHR$

88.6	-	(-2.45735)	+	10255.1	=	10037
9918	-	10037	=	-119		
10047	+	-119	=	9928		

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

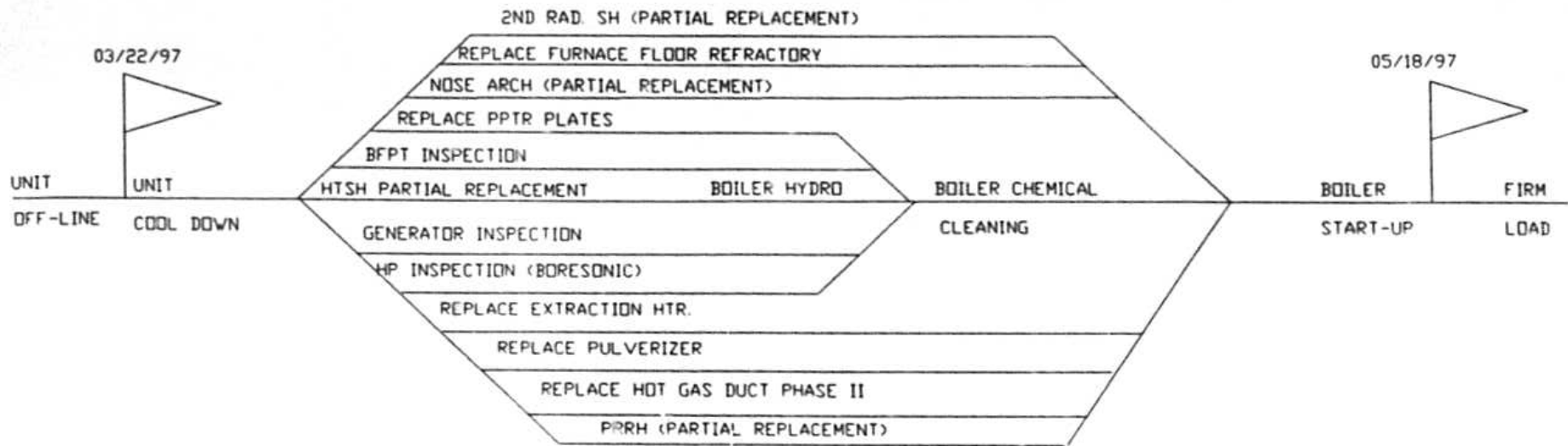
TAMPA ELECTRIC COMPANY
GPIF PLANNED OUTAGE SCHEDULE - ACTUAL
OCTOBER 1996 - MARCH 1997

<u>STATION/UNIT</u>	<u>PLANNED OUTAGE DATES</u>	<u>OUTAGE REASON</u>
** GANNON 5	OCT 21 - NOV 02	FUEL SYSTEM CLEANUP OUTAGE
** GANNON 5	JAN 30 - FEB 14	ACID CLEAN OUTAGE
** GANNON 6	MAR 7 - MAR 25	FUEL SYSTEM CLEANUP OUTAGE
** BIG BEND 1	NOV 14 - NOV 21	ANNUAL MAINTENANCE OUTAGE
* BIG BEND 1	MAR 22 - MAY 18	REPL. FURNACE FLOOR REF. HP INSPECTION (BORESONIC) GENERATOR INSPECTION PRRH. (PARTIAL REPL.) HTSH (PARTIAL REPL.) REPL 2ND RAD. SH. PART. REPL. HOT GAS DUCT PH-2 REPL. PPTR. PLATES PARTIAL REPL. NOSE ARCH BFPI INSPECTION
** BIG BEND 2	NOV 29 - DEC 16	ANNUAL MAINTENANCE OUTAGE
** BIG BEND 4	FEB 15 - MAR 8	ANNUAL MAINTENANCE OUTAGE

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

* Start / End dates outside of GPIF period.

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



TAMPA ELECTRIC COMPANY
 BIG BEND UNIT NO 1
 PLANNED OUTAGE 1997
 ACTUAL CPM
 05/01/97

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1996 - MARCH 1997
GANNON 5

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	117.0	85.6	+10	253.0	9987
+9	105.3	85.4	+9	227.7	10007
+8	93.6	85.2	+8	202.4	10026
+7	81.9	84.9	+7	177.1	10046
+6	70.2	84.7	+6	151.8	10065
+5	58.5	84.5	+5	126.5	10085
+4	46.8	84.3	+4	101.2	10105
+3	35.1	84.1	+3	75.9	10124
+2	23.4	83.8	+2	50.6	10144
+1	11.7	83.6	+1	25.3	10163
0	0.0	83.4	0	0.0	10183
-1	(21.7)	83.0	-1	0.0	10258
-2	(43.5)	82.5	-2	(25.3)	10333
-3	(65.2)	82.1	-3	(50.6)	10353
-4	(87.0)	81.7	-4	(75.9)	10372
-5	(108.7)	81.3	-5	(101.2)	10392
-6	(130.4)	80.8	-6	(126.5)	10411
-7	(152.2)	80.4	-7	(151.8)	10431
-8	(173.9)	80.0	-8	(177.1)	10451
-9	(195.7)	79.5	-9	(202.4)	10470
-10	(217.4)	79.1	-10	(227.7)	10490
				(253.0)	10509
					10529

	<div style="border: 1px solid black; padding: 2px; display: inline-block;">EAP POINTS -18.000</div>	<div style="border: 1px solid black; padding: 2px; display: inline-block;">Adjusted EAP 68.3%</div>	
Weighting Factor =	3.10%	Weighting Factor =	6.70%

	<div style="border: 1px solid black; padding: 2px; display: inline-block;">AHR POINTS -8.182</div>		<div style="border: 1px solid black; padding: 2px; display: inline-block;">Adjusted Actual ANOHR 18335</div>	
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TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1996 - MARCH 1997
GANNON 6

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	292.6	84.9	+10	432.0	10139
+9	263.3	84.7	+9	388.8	10162
+8	234.1	84.4	+8	345.6	10185
+7	204.8	84.2	+7	302.4	10208
+6	175.6	84.0	+6	259.2	10231
+5	146.3	83.8	+5	216.0	10254
+4	117.0	83.5	+4	172.8	10276
+3	87.8	83.3	+3	129.6	10299
+2	58.5	83.1	+2	86.4	10322
+1	29.3	82.8	+1	43.2	10345
0	0.0	82.6	0	0.0	10368
-1	(50.3)	82.1	-1	(43.2)	10443
-2	(100.6)	81.7	-2	(86.4)	10518
-3	(150.8)	81.2	-3	(129.6)	10541
-4	(201.1)	80.8	-4	(172.8)	10564
-5	(251.4)	80.3	-5	(216.0)	10587
-6	(301.7)	79.8	-6	(259.2)	10610
-7	(352.0)	79.4	-7	(302.4)	10633
-8	(402.2)	78.9	-8	(345.6)	10655
-9	(452.5)	78.5	-9	(388.8)	10678
-10	(502.8)	78.0	-10	(432.0)	10701
					10724
					10747

<div style="border: 1px solid black; padding: 5px; display: inline-block;"> EAF POINTS -4.304 </div>	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Adjusted EAF 88.6% </div>	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> AHR POINTS 3.231 </div>	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Adjusted Actual A/NOHR 10294 </div>
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Weighting Factor = 7.75%	Weighting Factor = 11.44%
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TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1996 - MARCH 1997
BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	74.8	78.1	+10	372.0	9794
+9	67.3	77.8	+9	334.8	9808
+8	59.8	77.5	+8	297.6	9821
+7	52.4	77.2	+7	260.4	9835
+6	44.9	76.9	+6	223.2	9848
+5	37.4	76.7	+5	186.0	9862
+4	29.9	76.4	+4	148.8	9875
+3	22.4	76.1	+3	111.6	9889
+2	15.0	75.8	+2	74.4	9902
+1	7.5	75.5	+1	37.2	9916
0	0.0	75.2	0	0.0	9929
-1	(24.1)	74.6	-1	(37.2)	10004
-2	(48.2)	74.0	-2	(74.4)	10079
-3	(72.3)	73.5	-3	(111.6)	10093
-4	(96.4)	72.9	-4	(148.8)	10106
-5	(120.5)	72.3	-5	(186.0)	10120
-6	(144.6)	71.7	-6	(223.2)	10133
-7	(168.7)	71.1	-7	(260.4)	10147
-8	(192.8)	70.6	-8	(297.6)	10160
-9	(216.9)	70.0	-9	(334.8)	10174
-10	(241.0)	69.4	-10	(372.0)	10187
					10201
					10214

← EAF POINTS -6.681 →	Adjusted EAF 71.3 →	← AHR POINTS -3.837 →	Adjusted Actual ANOHR 10120 →
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Weighting Factor =	1.98%	Weighting Factor =	9.85%
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TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1996 - MARCH 1997
BIG BEND 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	206.2	80.3	+10	488.0	9706
+9	185.6	80.0	+9	439.2	9726
+8	165.0	79.6	+8	390.4	9746
+7	144.3	79.3	+7	341.6	9765
+6	123.7	79.0	+6	292.8	9785
+5	103.1	78.7	+5	244.0	9805
+4	82.5	78.3	+4	195.2	9825
+3	61.9	78.0	+3	146.4	9845
+2	41.2	77.7	+2	97.6	9864
+1	20.6	77.3	+1	48.8	9884
0	0.0	77.0	0	0.0	9904
-1	(33.0)	76.3	-1	(48.8)	9924
-2	(66.0)	75.7	-2	(97.6)	9944
-3	(99.0)	75.0	-3	(146.4)	9964
-4	(132.0)	74.4	-4	(195.2)	9984
-5	(165.0)	73.7	-5	(244.0)	10004
-6	(198.0)	73.0	-6	(292.8)	10024
-7	(231.0)	72.4	-7	(341.6)	10044
-8	(264.0)	71.7	-8	(390.4)	10064
-9	(297.0)	71.1	-9	(439.2)	10084
-10	(330.0)	70.4	-10	(488.0)	10104

	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> EAF POINTS 7.877 </div>	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> Adjusted EAF 79.6% </div>		<div style="border: 1px solid black; padding: 2px; display: inline-block;"> AHR POINTS 0.000 </div>	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> Adjusted Actual ANOHR 10037 </div>
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Weighting Factor =	5.46%	Weighting Factor =	12.92%
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TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1996 - MARCH 1997
BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	281.4	74.0	+10	510.0	9268
+9	253.3	73.7	+9	459.0	9294
+8	225.1	73.3	+8	408.0	9319
+7	197.0	73.0	+7	357.0	9345
+6	168.8	72.7	+6	306.0	9371
+5	140.7	72.4	+5	255.0	9397
+4	112.6	72.0	+4	204.0	9422
+3	84.4	71.7	+3	153.0	9448
+2	56.3	71.4	+2	102.0	9474
+1	28.1	71.0	+1	51.0	9499
0	0.0	70.7	0	0.0	9525
-1	(53.5)	70.0	-1	(51.0)	9600
-2	(106.9)	69.4	-2	(102.0)	9675
-3	(160.4)	68.7	-3	(153.0)	9701
-4	(213.8)	68.1	-4	(204.0)	9726
-5	(267.3)	67.4	-5	(255.0)	9752
-6	(320.7)	66.7	-6	(306.0)	9778
-7	(374.2)	66.1	-7	(357.0)	9804
-8	(427.6)	65.4	-8	(408.0)	9829
-9	(481.1)	64.8	-9	(459.0)	9855
-10	(534.5)	64.1	-10	(510.0)	9881
					9906
					9932

← EAF POINTS -2.273 →	Adjusted EAF 69.3% →	← AHR POINTS 0.000 →	Adjusted Actual ANOHR 9673 →
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Weighting Factor =	7.45%	Weighting Factor =	13.51%
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TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1996 - MARCH 1997

BIG BEND 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	228.8	93.0	+10	520.0	9807
+9	205.9	92.8	+9	468.0	9819
+8	183.0	92.7	+8	416.0	9836
+7	160.2	92.5	+7	364.0	9853
+6	137.3	92.3	+6	312.0	9870
+5	114.4	92.2	+5	260.0	9887
+4	91.5	92.0	+4	208.0	9904
+3	68.6	91.8	+3	156.0	9921
+2	45.8	91.6	+2	104.0	9938
+1	22.9	91.5	+1	52.0	9955
0	0.0	91.3	0	0.0	9972
-1	(21.6)	91.0	-1	(52.0)	10047
-2	(43.2)	90.6	-2	(104.0)	10122
-3	(64.8)	90.3	-3	(156.0)	10139
-4	(86.4)	89.9	-4	(208.0)	10156
-5	(108.0)	89.6	-5	(260.0)	10173
-6	(129.5)	89.2	-6	(312.0)	10190
-7	(151.1)	88.9	-7	(364.0)	10207
-8	(172.7)	88.5	-8	(416.0)	10224
-9	(194.3)	88.2	-9	(468.0)	10241
-10	(215.9)	87.8	-10	(520.0)	10258

EAF POINTS 18,000	Adjusted EAF 93.7%	AHR POINTS 2,588	Adjusted Actual ANOHR 9928
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Weighting Factor =	6.06%	Weighting Factor =	13.78%
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TAMPA ELECTRIC COMPANY
COMPARISON OF GPIF TARGETS VS. PRIOR PERIOD ACTUAL PERFORMANCE
OCTOBER 1996 - MARCH 1997

AVAILABILITY

<u>PLANT/UNIT</u>	<u>TARGET WEIGHTING FACTOR</u>	<u>NORMALIZED WEIGHTING FACTOR</u>	<u>TARGET PERIOD OCT 96 - MAR 97</u>			<u>ACTUAL PERFORMANCE OCT 96 - MAR 97</u>		
			<u>POF</u>	<u>EUOF</u>	<u>EUOR</u>	<u>POF</u>	<u>EUOF</u>	<u>EUOR</u>
BIG BEND 1	1.98%	6.2	13.7	11.1	12.9	9.3	15.7	17.3
BIG BEND 2	5.46%	17.2	8.8	14.2	15.6	8.8	11.6	12.7
BIG BEND 3	7.45%	23.4	17.0	12.3	14.9	0.0	16.6	16.6
BIG BEND 4	6.06%	19.1	0.0	8.7	8.7	11.9	5.5	6.3
GANNON 5	3.10%	9.7	7.7	8.9	9.7	13.8	22.4	26.0
GANNON 6	<u>7.75%</u>	<u>24.4</u>	<u>7.7</u>	<u>9.7</u>	<u>10.5</u>	<u>9.5</u>	<u>11.5</u>	<u>12.7</u>
	31.80%	100.0						
GPIF SYSTEM WEIGHTED AVERAGE			9.0	10.9	12.1	8.0	12.9	14.0
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY			<u>80.1</u>			<u>79.1</u>		
			<u>5 PERIOD AVERAGE</u>			<u>5 PERIOD AVERAGE</u>		
			<u>POF</u>	<u>EUOF</u>	<u>EUOR</u>	<u>EAF</u>		
			7.2	11.9	12.9	80.9		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

<u>PLANT/UNIT</u>	<u>TARGET WEIGHTING FACTOR</u>	<u>NORMALIZED WEIGHTING FACTOR</u>	<u>HEAT RATE TARGET</u>	<u>ADJUSTED ACTUAL HEAT RATE APR 96 - SEP 97</u>
GANNON 5	6.70%	9.8	10258	10260
GANNON 6	11.44%	16.8	10443	10330
BIG BEND 1	9.85%	14.4	10004	10242
BIG BEND 2	12.92%	18.9	9979	10080
BIG BEND 3	13.51%	19.8	9600	9838
BIG BEND 4	<u>13.78%</u>	<u>20.2</u>	<u>10047</u>	<u>9918</u>
	68.20%	100.0		
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)			10027	10082

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
OCTOBER 1996 - MARCH 1997**

Points are calculated according to the formula:

$$\text{GPIP} = \sum_{i=1}^n [(a_i)(\text{EAP}_i) + (e_i)(\text{AHRP}_i)]$$

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 =	3.10% *	(GN 5 EAP) +	7.75% *	(GN 6 EAP) +	1.98% *	(BB 1 EAP)
	+	5.46% *	(BB 2 EAP) +	7.45% *	(BB 3 EAP) +	6.06% *
	+	6.70% *	(GN 5 AHRP) +	11.44% *	(GN 6 AHRP) +	9.85% *
	+	12.92% *	(BB 2 AHRP) +	13.51% *	(BB 3 AHRP) +	13.78% *
						(BB 4 AHRP)

GPIP =	3.10% *	-10.000 +	7.75% *	-4.304 +	1.98% *	-6.681
	+	5.46% *	7.877 +	7.45% *	-2.273 +	6.06% *
	+	6.70% *	-0.102 +	11.44% *	3.231 +	9.85% *
	+	12.92% *	0.000 +	13.51% *	0.000 +	13.78% *
						2.588

GPIP =	-0.310 +	-0.334 +	-0.132 +	0.430
	+	-0.169 +	0.606 +	-0.007 +
	+	-0.299 +	0.000 +	0.000 +
				0.370
				0.357

GPIP = 0.512 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 = \$96,660