

ORIGINAL

TAMPA ELECTRIC COMPANY
DOCKET NO. 980001-EI
SUBMITTED FOR FILING 05/20/98
(TRUE-UP)

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 - Energy Supply Engineering.

22
23
24
25
DOCUMENT NUMBER-DATE

05606 MAY 20 98

FPSC-RECORDS/REPORTING

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 1997 through March 1998. 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 and exhibit has
20 been prepared entitled, "Tampa Electric Company, October
21 1997 - March 1998, 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 Commission on the Actual Unit Performance data form.
2 Additionally, outage information is reported to the
3 Commission on a monthly basis. A summary of this data for
4 the six months provides the basis for the GPIF.

5
6 Q. Are the equivalent availability results shown on page 6,
7 column 2, directly applicable to the GPIF table?

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

17
18 Gannon Unit No. 5

19 On this unit, 504 planned outage hours were originally
20 scheduled to fall within the Winter 1997 period. Due to a
21 reprioritization of the outage schedule additional work
22 was moved forward and accomplished in this period.
23 Consequently, the actual equivalent availability of 53.6%
24 is adjusted to 63.5% as shown on page 7 of my exhibit.

25

1 Gannon Unit No. 6

2 On this unit, 48 planned outage hours were originally
3 scheduled to fall within the Winter 1997 period. Due to a
4 revision of the outage schedule, this work was moved
5 forward to fall completely within the period, and 582.5
6 planned outage hours fell within the period.
7 Consequently, the actual equivalent availability of 63.7%
8 is adjusted to 72.6%, as shown on page 8 of my exhibit.

9

10 Big Bend Unit No. 1

11 On this unit 336 planned outage hours were originally
12 scheduled to fall within the Winter 1997 period. Due to a
13 revision of the outage schedule no planned outage hours
14 fell within the period. Consequently, the actual
15 equivalent availability of 82.7% is adjusted to 76.3% as
16 shown on page 9 of my exhibit.

17

18 Big Bend Unit No. 2

19 On this unit 336 planned outage hours were originally
20 scheduled to fall within the Winter 1997 period. Due to a
21 revision of the outage schedule, 248.5 planned outage
22 hours fell within the period. Consequently, the actual
23 equivalent availability of 77.3% is adjusted to 75.7% as
24 shown on page 10 of my exhibit.

25

1 Big Bend Unit No. 3

2 On this unit 504 planned outage hours were originally
3 scheduled to fall within the Winter 1997 period. Due to a
4 revision of the outage schedule, outage activities were
5 moved forward and accomplished prior to the period, and no
6 planned outage hours fell within the period.
7 Consequently, the actual equivalent availability of 80.5%
8 is adjusted to 71.2% as shown on page 11 of my exhibit.

9

10 Big Bend Unit No. 4

11 On this unit 504 planned outage hours were scheduled to
12 fall within the Winter 1997 period. Due to a revision of
13 the outage schedule the outage was moved to occur after
14 the end of the period. Consequently, the actual
15 equivalent availability of 92.3% is adjusted to 81.5% as
16 shown on page 12 of my exhibit.

17

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

20

21 A. The final adjusted equivalent availabilities for each unit
22 are shown on page 6, column 4, of my exhibit. This number
23 is entered into the respective Generating Performance
24 Incentive Point (GPIP) Table for each particular unit on
25 pages 21 through 26. Page 4 of my exhibit summarizes the

1 equivalent availability points to be awarded or penalized.
2
3 Q. Would you please explain the heat rate results relative to
4 the GPIF?
5
6 A. The actual heat rate and adjusted actual heat rate for
7 Gannon and Big Bend Station are shown on page 6 of my
8 exhibit. The adjustment was developed based on the
9 guidelines of section 4.3.16 of the GPIF Manual. This
10 procedure is further defined by a letter dated October 23,
11 1981, from Mr. J.H. Hoffsis of the FPSC Staff. The final
12 adjusted actual heat rates are also shown on page 5 of my
13 exhibit. This heat rate number is entered into the
14 respective GPIF table for the particular unit, shown on
15 pages 21 through 26. Page 4 of my exhibit summarizes the
16 weighted heat rate and equivalent availability points to
17 be awarded.
18
19 Q. Were any additional adjustments to heat rate required?
20
21 A. In order to assure compatibility of data, Big Bend Unit 3
22 heat rates have been calculated in the standard fashion,
23 without scrubber power. This methodology has been
24 reviewed and approved by the PSC staff, to be employed
25 until there is sufficient operational history with the

1 scrubber to meet target preparation guidelines.
2
3 Q. Does this assure that the Big Bend 3 heat rate for the
4 period is appropriate for comparison to its target and
5 meets GPIF criteria?
6
7 A. Yes.
8
9 Q. What is the overall GPIF for Tampa Electric Company during
10 this six month period?
11
12 A. This is shown on page 28 of my exhibit. Essentially, the
13 weighting factors shown on page 4, column 3, plus the
14 equivalent availability points and the heat rate points
15 shown on page 4, column 4, are substituted within the
16 equation. This resultant value, -0.911, is then entered
17 into the GPIF table on page 2. Using linear
18 interpolation, a penalty amount of \$188,281 is calculated.
19
20 Q. Does this conclude your testimony?
21
22 A. Yes, it does.
23
24
25

**TAMPA ELECTRIC COMPANY
OCTOBER 1997 - MARCH 1998
GENERATING PERFORMANCE INCENTIVE FACTOR
RESULTS
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**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
REWARD / PENALTY TABLE - ACTUAL
OCTOBER 1997 - MARCH 1998
ORIGINAL SHEET NO. 7.401.98A**

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+10	4,133.5	2,066.8
+9	3,720.2	1,860.1
+8	3,306.8	1,653.4
+7	2,893.5	1,446.7
+6	2,480.1	1,240.1
+5	2,066.8	1,033.4
+4	1,653.4	826.7
+3	1,240.1	620.0
+2	826.7	413.4
+1	413.4	206.7
0	0	0.0
-1	(478.5)	(206.7)
-2	(957.0)	(413.4)
-3	(1,435.5)	(620.0)
-4	(1,914.0)	(826.7)
-5	(2,392.5)	(1,033.4)
-6	(2,870.9)	(1,240.1)
-7	(3,349.4)	(1,446.7)
-8	(3,827.9)	(1,653.4)
-9	(4,306.4)	(1,860.1)
-10	(4,784.9)	(2,066.8)

	← GPIP Points -0.911	REWARD DOLLARS (\$188,281) →	
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**TAMPA ELECTRIC COMPANY
 GENERATING PERFORMANCE INCENTIVE FACTOR
 CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
 ACTUAL
 OCTOBER 1997 - MARCH 1998**

Line 1	Beginning of period balance of common equity end of month common equity:	\$1,147,458,353
Line 2	Month of October 1997	\$1,104,883,367
Line 3	Month of November 1997	\$1,112,449,896
Line 4	Month of December 1997	\$1,116,888,102
Line 5	Month of January 1998	\$1,094,146,890
Line 6	Month of February 1998	\$1,143,775,590
Line 7	Month of March 1998	\$1,145,671,810
Line 8	(summation of line 1 through line 7 divided by 7)	\$1,123,610,573
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)	\$2,288,457
Line 12	Jurisdictional Sales	697,189 MWH
Line 13	Total Sales	7019436 MWH
Line 14	Jurisdictional Separation Factor (Line 12 divided by line 13)	99.34%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (Line 11 times line 14)	\$2,273,380

**TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS
OCTOBER 1997 - MARCH 1998
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	63.5% EAF	1.46%	-10.000	-0.146
GANNON 6	72.6% EAF	1.01%	-10.000	-0.101
BIG BEND 1	76.3% EAF	4.16%	-5.005	-0.208
BIG BEND 2	75.7% EAF	5.22%	-6.945	-0.363
BIG BEND 3	71.2% EAF	7.98%	-4.256	-0.340
BIG BEND 4	81.5% EAF	3.98%	2.000	0.080
GANNON 5	10604 ANOHR	7.40%	-4.763	-0.352
GANNON 6	10453 ANOHR	11.85%	5.157	0.001
BIG BEND 1	9998 ANOHR	10.67%	0.679	0.072
BIG BEND 2	9993 ANOHR	16.14%	0.000	0.000
BIG BEND 3	9786 ANOHR	15.22%	-1.080	-0.164
BIG BEND 4	10011 ANOHR	14.91%	0.000	0.000
				-0.911

GPIF REWARD	(\$188,281)
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TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY

OCTOBER 1997 - MARCH 1998

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	1.46%	77.3	80.1	71.7	60.3	(115.4)	63.5%	(115.4)
GANNON 6	1.01%	88.4	90.6	84.2	41.8	(106.4)	72.6%	(106.4)
BIG BEND 1	4.16%	79.3	82.3	73.3	172.1	(379.0)	76.3%	(189.7)
BIG BEND 2	5.22%	79.7	82.6	73.9	215.7	(360.7)	75.7%	(250.5)
BIG BEND 3	7.98%	74.1	77.6	67.3	330.0	(311.5)	71.2%	(132.6)
BIG BEND 4	3.98%	81.1	83.2	77.1	<u>164.6</u>	<u>(362.9)</u>	81.5%	32.9
GPIF SYSTEM	23.81%				984.5	(1,635.9)		

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	7.40%	10378	69.1	9986	10770	306.0	(306.0)	10604	(145.8)
GANNON 6	11.85%	10692	66.3	10299	11085	490.0	(490.0)	10453	0.0
BIG BEND 1	10.67%	10084	80.9	9847	10321	441.0	(441.0)	9998	29.9
BIG BEND 2	16.14%	9961	93.6	9616	10306	667.0	(667.0)	9993	0.0
BIG BEND 3	15.22%	9680	91.6	9318	10042	629.0	(629.0)	9786	(67.9)
BIG BEND 4	<u>14.91%</u>	10025	86.3	9710	10340	<u>616.0</u>	<u>(616.0)</u>	10011	0.0
GPIF SYSTEM	76.19%					3,149.0	(3,149.0)		

TAMPA ELECTRIC COMPANY
ACTUAL UNIT PERFORMANCE DATA
OCTOBER 1997 - MARCH 1998

<u>PLANT / UNIT</u>	<u>ACTUAL EAF %</u>	<u>ADJUSTMENTS (1) EAF %</u>	<u>EAF ADJUSTED ACTUAL %</u>
GANNON 5	53.6	9.9	63.5
GANNON 6	63.6	9.0	72.6
BIG BEND 1	82.7	-6.4	76.3
BIG BEND 2	77.3	-1.6	75.7
BIG BEND 3	80.4	-9.2	71.2
BIG BEND 4	92.2	-10.7	81.5

<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	10759	-155	10604
GANNON 6	10472	-19	10453
BIG BEND 1	10083	-85	9998
BIG BEND 2	10103	-110	9993
BIG BEND 3	10069	-283	9786
BIG BEND 4	10025	-14	10011

(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 1997 - MARCH 1998

WEIGHTING FACTOR = 1.46%

	<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.	77.3	53.6	63.5
P.O.H.	504.0	1105.3	504.0
F.O.H. + E.F.O.H	386.0	831.3	984.5
M.O.H. + E.M.O.H	100.0	90.2	106.8
P.O.F.	11.5	25.3	11.5
E.F.O.F.	8.8	19.0	22.5
E.M.O.F.	2.3	2.1	2.4

-10.000 E. A. POINTS

ADJUSTMENTS TO E.A.F.

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

$$\frac{4369 - 504}{4369 - 1105} \times (183.5 + 647.8 + 84.2 + 6.0) = 1091.3$$

$$\frac{504 + 1091}{4369} \times 100 = 36.5$$

$$100.0 - 36.5 = 63.5$$

PH = PERIOD HOURS
EAF = 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 1997 - MARCH 1998

WEIGHTING FACTOR = 1.01%

	<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.	88.4	63.7	72.6
P.O.H.	48.0	582.5	48.0
F.O.H. + E.F.O.H	238.0	867.2	94.6
M.O.H. + E.M.O.H	220.0	139.0	158.6
P.O.F.	1.1	13.3	1.1
E.F.O.F.	5.4	19.8	22.7
E.M.O.F.	5.0	3.2	3.6

-10.000 E.A. POINTS

ADJUSTMENTS TO E.A.F.

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

$$\frac{4369 - 48}{4369 - 583} \times (244.0 + 623.2 + 94.6 + 44.4) = 1148.2$$

$$\frac{48 + 1148}{4369} \times 100 = 27.4$$

$$100.0 - 27.4 = 72.6$$

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 1997 - MARCH 1998

WEIGHTING FACTOR = 4.16%

	<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.	79.3	82.7	76.3
P.O.H.	336.0	0.0	336.0
F.O.H. + E.F.O.H	400.0	394.7	364.3
M.O.H. + E.M.O.H	168.0	363.0	335.1
P.O.F.	7.7	0.0	7.7
E.F.O.F.	9.2	9.0	8.3
E.M.O.F.	3.8	8.3	7.7

-5.005 E. A. POINTS

ADJUSTMENTS TO E.A.F.

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

$$\frac{4369 - 336}{4369 - 0} \times (165.4 + 229.3 + 266.3 + 96.7) = 699.4$$

$$\frac{336 + 699}{4369} \times 100 = 23.7$$

$$100.0 - 23.7 = 76.3$$

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 1997 - MARCH 1998

WEIGHTING FACTOR = 5.22%

	<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.	79.7	77.3	75.7
P.O.H.	336.0	248.5	336.0
F.O.H. + E.F.O.H	353.0	456.6	446.9
M.O.H. + E.M.O.H	196.0	285.5	279.4
P.O.F.	7.7	5.7	7.7
E.F.O.F.	8.1	10.5	10.2
E.M.O.F.	4.5	6.5	6.4

-6.945 E. A. POINTS

ADJUSTMENTS TO E.A.F.

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

$$\frac{4369 - 336}{4369 - 249} \times (157.2 + 299.4 + 215.7 + 69.8) = 726.3$$

$$\frac{336 + 726}{4369} \times 100 = 24.3$$

$$100.0 - 24.3 = 75.7$$

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 PERFORMANCE
BIG BEND UNIT NO. 3
OCTOBER 1997 - MARCH 1998

WEIGHTING FACTOR = 7.98%

	<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.	74.1	80.5	71.2
P.O.H.	504.0	0.0	504.0
F.O.H. + E.F.O.H	472.0	503.0	445.0
M.O.H. + E.M.O.H	156.0	351.5	311.0
P.O.F.	11.5	0.0	11.5
E.F.O.F.	10.8	11.5	10.2
E.M.O.F.	3.6	8.0	7.1

-4.256 E. A. POINTS

ADJUSTMENTS TO E.A.F.

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

$$\frac{4369 - 504}{4369 - 0} \times (126.1 + 376.9 + 227.2 + 124.3) = 755.9$$

$$\frac{504 + 756}{4369} \times 100 = 28.8$$

$$100.0 - 28.8 = 71.2$$

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 1997 - MARCH 1998

WEIGHTING FACTOR = 3.98%

	<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.	81.1	92.3	81.5
P.O.H.	504.0	0.0	504.0
F.O.H. + E.F.O.H	167.0	161.9	143.2
M.O.H. + E.M.O.H	155.0	180.9	160.0
P.O.F.	11.5	0.0	11.5
E.F.O.F.	3.8	3.7	3.3
E.M.O.F.	3.5	4.1	3.7

2.000 E. A. POINTS

ADJUSTMENTS TO E.A.F.

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

$$\frac{4369 - 504}{4369 - 0} \times (83.9 + 78.0 + 76.7 + 104.2) = 303.3$$

$$\frac{504 + 303}{4369} \times 100 = 18.5$$

$$100.0 - 18.5 = 81.5$$

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

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
GANNON UNIT NO. 5
HEAT RATE DATA
OCTOBER 1997 - MARCH 1998**

WEIGHTING FACTOR = 7.40%

	<u>6 MO. TARGET</u>	<u>6 MO ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10378	10759
STA. NET GEN. (GWH)	571.3	402.3
OPER. Btu (10 ⁹ btu)	5928.868	4328.681
NET OUTPUT FACTOR	69.1	60.8

-4.763 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION $\text{NOF}(-18.7056) + 11670.7 = \text{ANOHR}$

$$60.8 (-18.7056) + 11670.7 = 10533$$

$$10759 - 10533 = 226$$

$$10378 + 226 = 10604$$

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 1997 - MARCH 1998

WEIGHTING FACTOR = 11.85%

	<u>6 MO. TARGET</u>	<u>6 MO ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10692	10472
STA. NET GEN. (GWH)	1024.0	863.7
OPER. Btu (10 ⁹ btu)	10949.495	9044.303
NET OUTPUT FACTOR	66.3	65.3

5.157 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION $NOF(-18.7199) + 11933.6 = ANOHR$

65.3 (-18.7199) + 11933.6 = 10711

10472 - 10711 = -239

10692 + -239 = 10453

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 1997 - MARCH 1998

WEIGHTING FACTOR = 10.67%

	<u>6 MO. TARGET</u>	<u>6 MO ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10084	10083
STA. NET GEN. (GWH)	1274.1	1309.1
OPER. Btu (10 ⁹ btu)	12847.814	13199.430
NET OUTPUT FACTOR	80.9	77.1

0.679 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION $NOF(-22.4860) + 11903.0 = ANOHR$

77.1 (-22.4860) + 11903.0 = 10169

10083 - 10169 = -86

10084 + -86 = 9998

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 1997 - MARCH 1998

WEIGHTING FACTOR = 16.14%

	<u>6 MO. TARGET</u>	<u>6 MO ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	9961	10103
STA. NET GEN. (GWH)	1316.0	1238.2
OPER. Btu (10 ⁹ btu)	13108.591	12509.280
NET OUTPUT FACTOR	83.6	77.6

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION $NOF(-18.2305) + 11485.3 = ANOHR$

77.6 (-18.2305) + 11485.3 = 10071

10103 - 10071 = 32

9961 + 32 = 9993

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 1997 - MARCH 1998

WEIGHTING FACTOR = 15.22%

	<u>6 MO. TARGET</u>	<u>6 MO ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	9680	10069
STA. NET GEN. (GWH)	1361.9	1334.7
OPER. Btu (10 ⁹ btu)	13183.763	13439.760
NET OUTPUT FACTOR	91.6	75.9

-1.080 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION NOF(-17.9962) + 11328.8 = ANOHR

75.9	(-17.9962)	+	11328.8	=	9963
10069	-		9963	=	106
9680	+		106	=	9786

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 1997 - MARCH 1998

WEIGHTING FACTOR = 14.91%

	<u>6 MO. TARGET</u>	<u>6 MO. TARGET</u>	<u>6 MO ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10025	10025	10025
STA. NET GEN. (GWH)	1422.3	1422.3	1583.5
OPER. Btu (10 ⁹ btu)	14258.275	14258.275	15875.074
NET OUTPUT FACTOR	86.3	86.3	84.2

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION	NOF(-6.9608) + 10625.5 = ANOHR
84.2 (-6.9608) + 10625.5 =	10039
10025 - 10039 =	-14
10025 + -14 =	10011

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

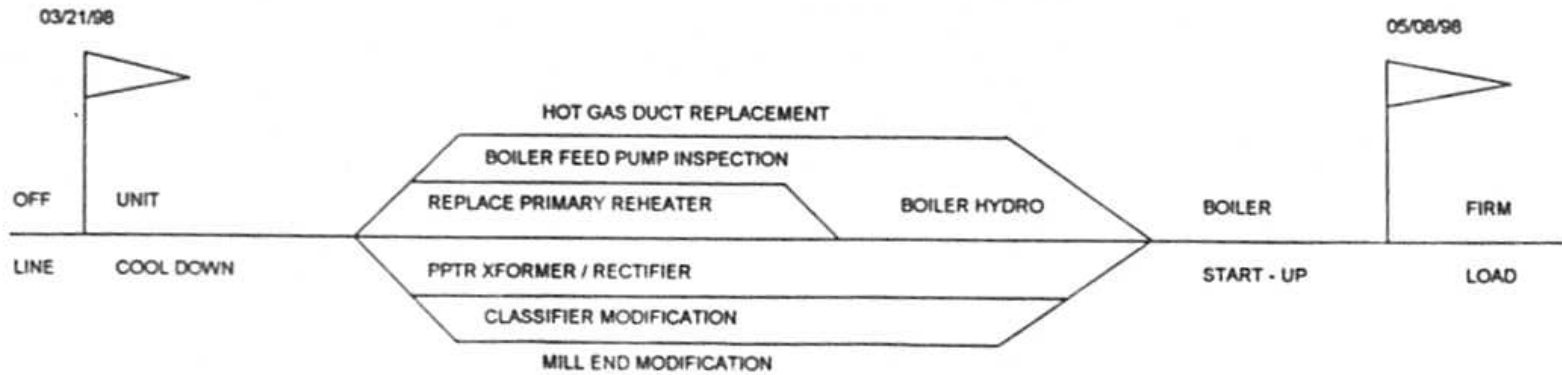
TAMPA ELECTRIC COMPANY
GPIF PLANNED OUTAGE SCHEDULE - ACTUAL
OCTOBER 1997 - MARCH 1998

<u>STATION/UNIT</u>	<u>PLANNED OUTAGE DATES</u>	<u>OUTAGE REASON</u>
GANNON 5	OCT 27 - DEC 12	BOILER FLOOR REPLACEMENT CLASSIFIER MODIFICATIONS
** GANNON 6	FEB 25 - MAR 21	REPAIR COLD GAS DUCT BOILER FEED PUMP INSPECTION
* BIG BEND 2	MAR 21 - MAY 8	REPLACE PRIMARY REHEATER BOILER FEED PUMP INSPECTION PPTR XFORMER/RECTIFIER CLASSIFIER MODIFICATION MILL END MODIFICATION HOT GAS DUCT REPLACEMENT

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

* Start / End dates outside of GPIF period.

** Outage is concise and a CPM was not required to outline events.



TAMPA ELECTRIC COMPANY
 BIG BEND UNIT NUMBER 2
 PLANNED OUTAGE 1998
 ACTUAL CPM
 04/01/98

TAMPA ELECTRIC COMPANY
 GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1997 - MARCH 1998

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	60.3	80.1	+10	306.0	9986
+9	54.3	79.8	+9	275.4	10018
+8	48.2	79.5	+8	244.8	10049
+7	42.2	79.3	+7	214.2	10081
+6	36.2	79.0	+6	183.6	10113
+5	30.2	78.7	+5	153.0	10145
+4	24.1	78.4	+4	122.4	10176
+3	18.1	78.1	+3	91.8	10208
+2	12.1	77.9	+2	61.2	10240
+1	6.0	77.6	+1	30.6	10271
0	0.0	77.3	0	0.0	10303
-1	(11.5)	76.7	-1	(30.6)	10378
-2	(23.1)	76.2	-2	(61.2)	10453
-3	(34.6)	75.6	-3	(91.8)	10485
-4	(46.2)	75.1	-4	(122.4)	10516
-5	(57.7)	74.5	-5	(153.0)	10548
-6	(69.2)	73.9	-6	(183.6)	10580
-7	(80.8)	73.4	-7	(214.2)	10612
-8	(92.3)	72.8	-8	(244.8)	10643
-9	(103.9)	72.3	-9	(275.4)	10675
-10	(115.4)	71.7	-10	(306.0)	10707
-10	(115.4)	71.7	-10	(306.0)	10770

<div style="border: 1px solid black; padding: 2px; display: inline-block;"> EAF POINTS -10.000 </div>	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> Adjusted EAF 63.5% </div>	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> AHR POINTS -4.763 </div>	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> Adjusted Actual ANOHR 10604 </div>
Weighting Factor =	1.46%	Weighting Factor =	7.40%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1997 - MARCH 1998
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	41.8	90.6	+10	490.0	10299
+9	37.6	90.4	+9	441.0	10332
+8	33.4	90.2	+8	392.0	10365
+7	29.3	89.9	+7	343.0	10394
+6	25.1	89.7	+6	294.0	10426
+5	20.9	89.5	+5	245.0	10458
+4	16.7	89.3	+4	196.0	10490
+3	12.5	89.1	+3	147.0	10522
+2	8.4	88.8	+2	98.0	10553
+1	4.2	88.6	+1	49.0	10585
0	0.0	88.4	0	0.0	10617
-1	(10.6)	88.0	-1	(49.0)	10692
-2	(21.3)	87.6	-2	(98.0)	10767
-3	(31.9)	87.1	-3	(147.0)	10799
-4	(42.6)	86.7	-4	(196.0)	10831
-5	(53.2)	86.3	-5	(245.0)	10862
-6	(63.8)	85.9	-6	(294.0)	10894
-7	(74.5)	85.5	-7	(343.0)	10926
-8	(85.1)	85.0	-8	(392.0)	10958
-9	(95.8)	84.6	-9	(441.0)	10990
-10	(106.4)	84.2	-10	(490.0)	11021
					11053
					11085

← EAF POINTS -10.000 →	(106.4)	Adjusted EAF 72.6% →	← AHR POINTS 5.157 →	← Adjusted Actual ANOHR 10453 →
Weighting Factor =		1.01%	Weighting Factor =	11.85%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1997 - MARCH 1998
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	172.1	82.3	+10	441.0	9847
+9	154.9	82.0	+9	396.9	9861
+8	137.7	81.7	+8	352.8	9874
+7	120.5	81.4	+7	308.7	9896
+6	103.3	81.1	+6	264.6	9912
+5	86.1	80.8	+5	220.5	9928
+4	68.8	80.5	+4	176.4	9944
+3	51.6	80.2	+3	132.3	9960
+2	34.4	79.9	+2	88.2	9977
+1	17.2	79.6	+1	44.1	9993
0	0.0	79.3	0	0.0	10009
-1	(37.9)	78.7	-1	(44.1)	10084
-2	(75.8)	78.1	-2	(88.2)	10159
-3	(113.7)	77.5	-3	(132.3)	10175
-4	(151.6)	76.9	-4	(176.4)	10191
-5	(189.5)	76.3	-5	(220.5)	10208
-6	(227.4)	75.7	-6	(264.6)	10224
-7	(265.3)	75.1	-7	(308.7)	10240
-8	(303.2)	74.5	-8	(352.8)	10256
-9	(341.1)	73.9	-9	(396.9)	10272
-10	(379.0)	73.3	-10	(441.0)	10289
					10305
					10321

AHR POINTS
0.679

Adjusted Actual ANOHR
9998

EAF POINTS
-5.005

Adjusted EAF
76.3

Weighting Factor = 4.16%

Weighting Factor = 10.67%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1997 - MARCH 1998
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	215.7	82.6	+10	667.0	9616
+9	194.1	82.3	+9	600.3	9643
+8	172.6	82.0	+8	533.6	9670
+7	151.0	81.7	+7	466.9	9697
+6	129.4	81.4	+6	400.2	9724
+5	107.9	81.2	+5	333.5	9751
+4	86.3	80.9	+4	266.8	9778
+3	64.7	80.6	+3	200.1	9805
+2	43.1	80.3	+2	133.4	9832
+1	21.6	80.0	+1	66.7	9859
0	0.0	79.7	0	0.0	9886
-1	(36.1)	79.1	-1	(66.7)	10063
-2	(72.1)	78.5	-2	(133.4)	10090
-3	(108.2)	78.0	-3	(200.1)	10117
-4	(144.3)	77.4	-4	(266.8)	10144
-5	(180.4)	76.8	-5	(333.5)	10171
-6	(216.4)	76.2	-6	(400.2)	10198
-7	(252.5)	75.6	-7	(466.9)	10225
-8	(288.6)	75.1	-8	(533.6)	10252
-9	(324.6)	74.5	-9	(600.3)	10279
-10	(360.7)	73.9	-10	(667.0)	10306

AHR POINTS
0.000

Adjusted Actual ANOHR
9993

EAF POINTS
-6.945

Adjusted EAF
75.7%

Weighting Factor =

5.22%

Weighting Factor =

16.14%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1997 - MARCH 1998
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	330.0	77.6	+10	629.0	9318
+9	297.0	77.3	+9	566.1	9347
+8	264.0	76.9	+8	503.2	9375
+7	231.0	76.6	+7	440.3	9404
+6	198.0	76.2	+6	377.4	9433
+5	165.0	75.9	+5	314.5	9462
+4	132.0	75.5	+4	251.6	9490
+3	99.0	75.2	+3	188.7	9519
+2	66.0	74.8	+2	125.8	9548
+1	33.0	74.5	+1	62.9	9576
0	0.0	74.1	0	0.0	9605
				0.0	9680
				0.0	9755
-1	(31.2)	73.4	-1	(62.9)	9784
-2	(62.3)	72.7	-2	(125.8)	9812
-3	(93.5)	72.1	-3	(188.7)	9841
-4	(124.6)	71.4	-4	(251.6)	9870
-5	(155.8)	70.7	-5	(314.5)	9899
-6	(186.9)	70.0	-6	(377.4)	9927
-7	(218.1)	69.3	-7	(440.3)	9956
-8	(249.2)	68.7	-8	(503.2)	9985
-9	(280.4)	68.0	-9	(566.1)	10013
-10	(311.5)	67.3	-10	(629.0)	10042

← EAF POINTS -4.256

Adjusted EAF 71.2% →

← ANR POINTS -1.080

Adjusted Actual ANOHR 9786 →

Weighting Factor = 7.98%

Weighting Factor = 15.22%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1997 - MARCH 1998

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	164.6	83.2	+10	616.0	9710
+9	148.1	83.0	+9	554.4	9714
+8	131.7	82.8	+8	492.8	9758
+7	115.2	82.6	+7	431.2	9782
+6	98.8	82.4	+6	369.6	9806
+5	82.3	82.2	+5	308.0	9830
+4	65.8	81.9	+4	246.4	9854
+3	49.4	81.7	+3	184.8	9878
+2	32.9	81.5	+2	123.2	9902
+1	16.5	81.3	+1	61.6	9926
0	0.0	81.1	0	0.0	9950
-1	(36.3)	80.7	-1	(61.6)	10025
-2	(72.6)	80.3	-2	(123.2)	10100
-3	(108.9)	79.9	-3	(184.8)	10124
-4	(145.2)	79.5	-4	(246.4)	10148
-5	(181.5)	79.1	-5	(308.0)	10172
-6	(217.7)	78.7	-6	(369.6)	10196
-7	(254.0)	78.3	-7	(431.2)	10220
-8	(290.3)	77.9	-8	(492.8)	10244
-9	(326.6)	77.5	-9	(554.4)	10268
-10	(362.9)	77.1	-10	(616.0)	10292
					10316
					10340

← EAF POINTS 2.000

Adjusted EAF 81.5% →

← AHR POINTS 0.000

Adjusted Actual ANOHR 10011 →

Weighting Factor = 3.98%

Weighting Factor = 14.91%

TAMPA ELECTRIC COMPANY
COMPARISON OF GPIF TARGETS VS. PRIOR PERIOD ACTUAL PERFORMANCE
OCTOBER 1997 - MARCH 1998

AVAILABILITY

PLANT/UNIT	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD OCT 97 - MAR 98			ACTUAL PERFORMANCE OCT 97 - MAR 98		
			POF	EUOF	EUOR	POF	EUOF	EUOR
BIG BEND 1	4.16%	17.5	7.7	13.0	14.1	0.0	15.9	15.9
BIG BEND 2	5.22%	21.9	7.7	12.6	13.6	5.7	15.1	16.0
BIG BEND 3	7.98%	33.5	11.5	14.4	16.2	0.0	19.9	19.9
BIG BEND 4	3.98%	16.7	11.5	7.4	8.3	0.0	10.5	10.5
GANNON 5	1.46%	6.1	11.5	11.1	12.6	25.3	19.4	25.9
GANNON 6	1.01%	4.2	1.1	10.7	10.6	13.3	27.7	26.0
	23.81%	100.0						
GPIF SYSTEM WEIGHTED AVERAGE			9.6	12.2	13.5	3.4	16.7	17.4
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY			78.2			80.0		
			5 PERIOD AVERAGE			5 PERIOD AVERAGE		
			POF	EUOF	EUOR	EAF		
			7.2	11.9	12.9	80.9		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT/UNIT	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING FACTOR	HEAT RATE TARGET	ADJUSTED ACTUAL HEAT RATE APR 96 - SEP 97
GANNON 5	7.40%	9.7	10378	10759
GANNON 6	11.85%	15.6	10692	10472
BIG BEND 1	10.67%	14.0	10084	10081
BIG BEND 2	16.14%	21.2	9961	10101
BIG BEND 3	15.22%	20.0	9680	10069
BIG BEND 4	14.91%	19.6	10071	10071
	76.19%	100.0		
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)			10089	10199

TARGET	BB1	BB2	BB3	BB4	GN5	GN6
EFOH	*****	353.0	*****	*****	386.0	*****
EMOH	*****	196.0	*****	*****	100.0	*****
PH	*****	4369.0	*****	*****	4369.0	*****
EUOF	13.0	12.6	14.4	7.4	11.1	10.5
ACTUAL	BB1	BB2	BB3	BB4	GN5	GN6
EFOH	*****	456.6	*****	*****	831.3	*****
EMOH	*****	204.2	*****	*****	15.1	*****
PH	*****	4369.0	*****	*****	4369.0	*****
EUOF	15.9	15.1	19.9	10.5	19.4	22.7

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
OCTOBER 1997 - MARCH 1998**

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 =	1.46% *	(GN 5 EAP) +	1.01% *	(GN 6 EAP) +	4.16% *	(BB 1 EAP)
+	5.22% *	(BB 2 EAP) +	7.98% *	(BB 3 EAP) +	3.98% *	(BB 4 EAP)
+	7.40% *	(GN 5 AHRP) +	11.85% *	(GN 6 AHRP) +	10.67% *	(BB 1 AHRP)
+	16.14% *	(BB 2 AHRP) +	15.22% *	(BB 3 AHRP) +	14.91% *	(BB 4 AHRP)

GPIP =	1.46% *	-10.000 +	1.01% *	-10.000 +	4.16% *	-5.005
+	5.22% *	-6.945 +	7.98% *	-4.256 +	3.98% *	2.000
+	7.40% *	-4.763 +	11.85% *	5.157 +	10.67% *	0.679
+	16.14% *	0.000 +	15.22% *	-1.080 +	14.91% *	0.000

GPIP =	-0.146 +	-0.101 +	-0.208 +	-0.363
+	-0.340 +	0.080 +	-0.352 +	0.611
+	0.072 +	0.000 +	-0.164 +	0.000

GPIP = -0.911 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 = (\$188,281)