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June 23, 1995

HAND DELIVERED

IN REPLY REFER TO:

Tallahassee

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

ORIGINAL
FILE COPY

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

Dear Ms. Bayo:

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

- 05925-95. Petition of Tampa Electric Company.
- 05926-95². Prepared Direct Testimony of Mary Jo Pennino and Exhibit (MJP-2) regarding Tampa Electric's projected Total Fuel and Purchased Power Cost Recovery Factors and Exhibit (MJP-3) regarding projected Capacity Cost Recovery Factors for the period October 1995 through March 1996.
- ACK 05927-95
3. Prepared Direct Testimony of William N. Cantrell with Exhibit (WNC-1) regarding 1994 Transportation and Coal Benchmark calculations.
- 05928-95
4. Prepared Direct Testimony of George A. Keselowsky with Exhibits (GAK-2) and (GAK-3) regarding Tampa Electric Company's projected performance under the Generating Performance Incentive Factor for the period October 1995 through March 1996.
- 05929-95
5. Prepared Direct Testimony of E. A. Townes and W. N. Cantrell with Exhibit (WNC/EAT-2) regarding Schedules Supporting the Oil Backout Cost Recovery Factor for the period October 1995 through December 1995 and Exhibit (WNC/EAT-3) regarding the Gannon Conversion Project Comparison of Projected Payoff with Original Estimate as of May 1995.

RECEIVED & FILED

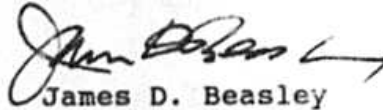
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FPSC-BUREAU OF RECORDS

Ms. Blanca S. Bayo
June 23, 1995
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Please acknowledge receipt and filing of the above by stamping the duplicate copy of this letter and returning same to this writer.

Thank you for your assistance in connection with this matter.

Sincerely,



James D. Beasley

JDB/pp
Enclosures

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

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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 23rd day of June, 1995 to the following:

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DOCKET NO. 950001-EI
TAMPA ELECTRIC COMPANY
SUBMITTED FOR FILING 6/23/95
(PROJECTION)

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.

1 Q. What are your current responsibilities?
2
3 A. I am responsible for testing and reporting unit performance, and the compilation
4 and reporting of generation statistics.
5
6 Q. What is the purpose of your testimony?
7
8 A. My testimony presents Tampa Electric Company's methodology for determining
9 the various factors required to compute the Generating Performance Incentive
10 Factor (GPIF) as ordered by this Commission.
11
12 Q. Have you prepared an exhibit showing the various elements of the derivation of
13 Tampa Electric Company's GPIF formula?
14
15 A. Yes, I have prepared, under my direction and supervision, an exhibit entitled
16 "Tampa Electric Company, Generating Performance Incentive Factor" October
17 1995 - March 1996, consisting of 35 pages filed with the Commission on
18 June 23, 1995. (Have identified as Exhibit GAK-2). The data prepared within
19 this exhibit is consistent with the GPIF Implementation Manual previously
20 approved by this Commission.
21
22
23
24
25

- 1 Q. Which generating units on Tampa Electric Company's system are included in the
2 determination of your GPIF?
3
- 4 A. Six of our coal-fired units are included. These are: Gannon Station Units 5 and
5 6; and Big Bend Station Units 1, 2, 3, and 4.
6
- 7 Q. Will you describe how Tampa Electric Company evolved the various factors
8 associated with the GPIF as ordered by this Commission?
9
- 10 A. Yes. First, the two factors to be used, as set forth by the Commission Staff, are
11 unit availability and station heat rate.
12
- 13 Q. Please continue.
14
- 15 A. A target was established for equivalent availability for each unit considered for
16 this period. Heat rate targets were also established for each unit. A range of
17 potential improvement and degradation was determined for each of these
18 parameters.
19
- 20 Q. Would you describe how the target values for unit availability were determined?
21
- 22 A. Yes I will. The Planned Outage Factor (POF) and the Equivalent Unplanned
23 Outage Factor (EUOF) were subtracted from 100% to determine the target
24 equivalent availability. The factors for each of the 6 units included within the
25 GPIF are shown on page 5 of my exhibit. For example, the projected EUOF for

1 Gannon Unit Six is 14.3%. The Planned Outage Factor for this same unit during
2 this period is 3.8%. Therefore, the target equivalent availability for this unit
3 equals:

$$4 \quad 100\% - [(14.3\% + 3.8\%)] = 81.9\%$$

6 This is shown on page 4, column 3 of my exhibit.

7
8
9 Q. How was the potential for unit availability improvement determined?

10
11 A. Maximum equivalent availability is arrived at using the following formula.

12 Equivalent Availability Maximum

$$13 \quad EAF_{MAX} = 100\% - [0.8 (EUOF_T) + 0.95 (POF_T)]$$

14
15 The factors included in the above equations are the same factors that determine
16 target equivalent availability. To attain the maximum incentive points, a 20%
17 reduction in Forced Outage and Maintenance Outage Factors (EUOF), plus a 5%
18 reduction in the Planned Outage Factor (POF) will be necessary. Continuing with
19 our example on Gannon Unit Six:

$$20 \quad EAF_{MAX} = 100\% - [0.8 (14.3\%) + 0.95 (3.8\%)] = 84.9\%$$

21
22 This is shown on page 4, column 4 of my exhibit.
23
24
25

1 Q. How was the potential for unit availability degradation determined?

2

3 A. The potential for unit availability degradation is significantly greater than is the
4 potential for unit availability improvement. This concept was discussed
5 extensively and approved in earlier hearings before this Commission. Tampa
6 Electric Company's approach to incorporating this skewed effect into the unit
7 availability tables is to use a potential degradation range equal to twice the
8 potential improvement. Consequently, minimum equivalent availability is arrived
9 at via the following formula:

10

11 Equivalent Availability Minimum

12
$$EAF_{MIN} = 100\% - [1.4 (EUOF_T) + 1.10 (POF_T)]$$

13

14 Again, continuing with our example of Gannon Unit Six,

15

16
$$EAF_{MIN} = 100\% - [1.4 (14.3\%) + 1.1 (3.8\%)] = 75.8\%$$

17

18 Equivalent availability MAX and MIN for the other five units is computed in a
19 similar manner.

20

21 Q. How do you arrive at the Planned Outage, Maintenance Outage and Forced
22 Outage Factors?

23

24 A. Our planned outages for this period are shown on page 19 of my exhibit. A
25 Critical Path Method (C.P.M.) for each major planned outage which affects GPIF

1 is included in my exhibit. For example, Gannon Unit 5 is scheduled for a major
2 unit inspection from October 4 to November 17, 1995. A short planned outage
3 is also scheduled from February 3 to February 9, 1996. There are 1248 planned
4 outage hours scheduled for the winter 1995 period, and a total of 4393 hours
5 during this 6 month period. Consequently, the Planned Outage Factor for Unit 5
6 at Gannon is $1248/4393 \times 100\%$ or 28.4%. This factor is shown on pages 5 and
7 13 of my exhibit. Big Bend Units 1 and 3 have planned outage factors of zero.
8 Gannon Unit 6 has a planned outage factor of 3.8%, Big Bend Unit 2 has a
9 planned outage factor of 21.3, and Big Bend Unit 4 has a planned outage factor
10 of 8.7%.

11
12 Q. How did you arrive at the Forced Outage and Maintenance Outage Factors on
13 each unit?

14
15 A. Graphs of both of these factors (adjusted for planned outages) vs. time are
16 prepared. Both monthly data and 12 month moving average data are recorded.
17 For each unit the most current, March 1995, 12 month ending value was used as
18 a basis for the projection. This value was adjusted up or down by analyzing trends
19 and causes for recent forced and maintenance outages. All projected factors are
20 based upon historical unit performance, engineering judgment, time since last
21 planned outage, and equipment performance resulting in a forced or maintenance
22 outage. These target factors are additive and result in a EUOF of 8.0% for
23 Gannon Unit Five. The Equivalent Unplanned Outage Factor (EUOF) for
24 Gannon Unit Five is verified by the data shown on page 13, lines 3, 5, 10 and 11
25 of my exhibit and calculated using the formula:

1 EUOF = $\frac{(\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH})}{\text{Period Hours}} \times 100$

2
3 or

4 EUOF = $\frac{(315 + 38)}{4393} \times 100 = 8.0\%$

5
6 Relative to Gannon Unit Five, the EUOF of 8.0% forms the basis of our
7 Equivalent Availability target development as shown on sheets 4 and 5 of my
8 exhibit.

9
10 Q. Please continue with your review of the remaining units.

11
12 Big Bend Unit One

13 A. The projected EUOF for this unit is 14.6% during this period. This unit will not
14 have a planned outage this period and the Planned Outage Factor is 0.0%. This
15 results in a target equivalent availability of 85.4% for the period.

16
17 Big Bend Unit Two

18 The projected EUOF for this unit is 10.8%. This unit will have a planned outage
19 during this period and the Planned Outage Factor is 21.3%. Therefore, the target
20 equivalent availability for this unit is 67.9%.

21
22 Big Bend Unit Three

23 The projected EUOF for this unit is 12.6% during this period. This unit will not
24 have a planned outage this period and the Planned Outage Factor is 0.0%.
25 Therefore, the target equivalent availability for this unit is 87.4%.

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Big Bend Unit Four

The projected EUOF for this unit is 8.4%. This unit will have a planned outage during this period and the Planned Outage Factor is 8.7%. This results in a target equivalent availability of 82.9% for the period.

Gannon Unit Five

The projected EUOF for this unit is 8.0%. This unit will have a planned outage during this period and the Planned Outage Factor is 28.4%. Therefore, the target equivalent availability for this unit is 63.6%.

Gannon Unit Six

The projected EUOF for this unit is 14.3%. This unit will have a planned outage during this period and the Planned Outage Factor is 3.8%. Therefore, the target equivalent availability for this unit is 81.9%.

Q. Would you summarize your testimony regarding Equivalent Availability Factor (EAF), Equivalent Unplanned Outage Factor (EUOF) and Equivalent Unplanned Outage Rate (EUOR)?

A. Yes I will. Please note on page 5 that the GPIF system weighted Equivalent Availability Factor (EAF) equals 80.9%. This target compares very favorably to previous GPIF periods in that it is better than four of the five previous periods, as well as the five period average EAF. These targets represent an outstanding level of performance for our system.

- 1 Q. As you graph and monitor Forced and Maintenance Outage Factors, why are they
2 adjusted for planned outage hours?
3
- 4 A. This adjustment makes these factors more accurate and comparable. Obviously,
5 a unit in a planned outage stage or reserve shutdown stage will not incur a forced
6 or maintenance outage. Since our units are usually base loaded, reserve shutdown
7 is generally not a factor. To demonstrate the effects of a planned outage, note the
8 EUOR and EUOF for Gannon Unit Six on page 14. During the months of
9 October and November, and for January through March, EUOF and EUOR are
10 equal. This is due to the fact that no planned outages are scheduled during these
11 months. During the month of December, EUOR exceeds EUOF. The reason for
12 this difference is the scheduling of a planned outage. The adjusted factors apply
13 to the period hours after planned outage hours have been extracted.
14
- 15 Q. Does this mean that both rate and factor data are used in calculated data?
16
- 17 A. Yes it does. Rates provide a proper and accurate method of arriving at the unit
18 parameters. These are then converted to factors since they are directly additive.
19 That is, the Forced Outage Factor + Maintenance Outage Factor + Planned
20 Outage Factor + Equivalent Availability = 100%. Since factors are additive,
21 they are easier to work with and to understand.
22
23
24
25

- 1 Q. You previously stated that you had developed a CPM for your unit outages. How
2 do you use the CPM in conjunction with your planned outages?
3
- 4 A. The CPM's included in this exhibit are preliminary and include only the major
5 work activities we expect to accomplish during the planned outage. Planned
6 outages are very complex and are anticipated months in advance. The actual
7 CPM's utilized in the execution of the planned outage are detailed for all major
8 and minor work activities.
9
- 10 Since it is important to the company and beneficial to our Customers to control
11 outage length, we have implemented a computerized outage management system.
12 Essentially, this tool enables management to monitor outage progress, measure
13 activity results against previously established milestones, and verify timely
14 execution of all critical path events. This results in the shortest outage time
15 possible and the maximum utilization of all resources. Any reduction in planned
16 outage length directly improves unit equivalent availability.
17
- 18 Q. Has Tampa Electric Company prepared the necessary heat rate data required for
19 the determination of the Generating Performance Incentive Factor?
20
- 21 A. Yes. Target heat rates as well as ranges of potential operation have been
22 developed as required.
23
24
25

1 Q. On what basis were the heat rate targets determined?

2

3 A. Average net operating heat rates are determined and reported on a unit basis.
4 Therefore, all heat rate data pertaining to the GPIF is calculated on this basis.

5

6 Q. How were these targets determined?

7

8 A. Net heat rate data for the three most recent winter periods, along with the
9 PROMOD III program, formed the basis of our target development. Projections
10 of unit performance were made with the aid of PROMOD III. The historical data
11 and the target values are analyzed to assure applicability to current conditions of
12 operation. This provides assurance that any periods of abnormal operations, or
13 equipment modifications having material effect on heat rate can be taken into
14 consideration.

15

16 Q. Have you developed the heat rate targets in accordance with GPIF guidelines?

17

18 A. Yes.

19

20

21

22

23

24

25

1 Q. How were the ranges of heat rate improvement and heat rate degradation
2 determined?

3

4 A. The ranges were determined through analysis of historical net heat rate and net
5 output factor data. This is the same data from which the net heat rate vs. net
6 output factor curves have been developed for each station. This information is
7 shown on pages 27 through 32 of my exhibit.

8

9 Q. Would you elaborate on the analysis used in the determination of the ranges?

10

11 A. The net heat rate vs. net output factor curves are the results of a first order curve
12 fit to historical data. The standard error of the estimate of this data was
13 determined, and a factor was applied to produce a band of potential improvement
14 and degradation. Both the curve fit and the standard error of the estimate were
15 performed by computer program for each station. These curves are also used in
16 post period adjustments to actual heat rates to account for unanticipated changes
17 in unit dispatch.

18

19 Q. Can you summarize your heat rate projection for the winter 1995 period?

20

21 A. Yes. The heat rate target for Big Bend Unit 1 is 9,931 Btu/Net kwh. The range
22 about this value, to allow for potential improvement or degradation, is
23 ± 184 Btu/Net kwh. The heat rate target for Big Bend Unit 2 is 9,837 Btu/Net
24 kwh with a range of ± 304 Btu/Net kwh. The heat rate target for Big Bend
25 Unit 3 is 9,596 Btu/Net kwh, with a range of ± 352 Btu/Net kwh. The heat rate

1 target for Big Bend Unit 4 is 9,989 Btu/Net kwh with a range of ± 322 Btu/Net
2 kwh. The heat rate target for Gannon Unit 5 is 10,178 Btu/Net kwh with a range
3 of ± 418 Btu/Net kwh. The heat rate target for Gannon Unit 6 is 10,348 Btu/Net
4 kwh with a range of ± 347 Btu/Net kwh. A zone of tolerance of ± 75 Btu/Net
5 kwh is included within the range for each target. This is shown on page 4, and
6 pages 7 through 12 of my exhibit.

7
8 Q. Do you feel that the heat rate targets and ranges in your projection meet the
9 criteria of the GPIF and the philosophy of this Commission?

10
11 A. Yes I do.

12
13 Q. After determining the target values and ranges for average net operating heat rate
14 and equivalent availability, what is the next step in the GPIF?

15
16 A. The next step is to calculate the savings and weighing factor to be used for both
17 average net operating heat rate and equivalent availability. This is shown on pages
18 7 through 12. Our PROMOD III cost simulation model was used to calculate the
19 total system fuel cost if all units operated at target heat rate and target availability
20 for the period. This total system fuel cost of \$103,635,600 is shown on page 6
21 column 2.

22
23 The PROMOD III output was then used to calculate total system fuel cost with
24 each unit individually operating at maximum improvement in equivalent
25 availability and each station operating at maximum improvement in average net

1 operating heat rate. The respective savings are shown on page 6 column 4. After
2 all the individual savings are calculated, column 4 is totaled: \$3,751,400 reflects
3 the savings if all units operated at maximum improvement. A weighting factor
4 for each parameter is then calculated by dividing individual savings by the total.
5 For Big Bend Unit One, the weighting factor for equivalent availability is 6.04 %
6 as shown in the right hand column on page 6. Pages 7 thru 12 show the point
7 table, the Fuel Savings/(Loss), and the equivalent availability or heat rate value.
8 The individual weighting factor is also shown. For example, on Big Bend Unit
9 One, page 9, if the unit operates at 88.3% equivalent availability, fuel savings
10 would equal \$226,700 and 10 equivalent availability points would be awarded.

11
12 The Generating Performance Incentive Factor Reward/Penalty Table on page 2
13 is a summary of the tables on pages 7 through 12. The left hand column of this
14 document shows the Tampa Electric Company's incentive points. The center
15 column shows the total fuel savings and is the same amount as shown on page 6,
16 column 4, \$3,751,400. The right hand column of page 2 is the estimated reward
17 or penalty based upon performance.

18
19 Q. How were the maximum allowed incentive dollars determined?

20
21 A. Referring to my exhibit on page 3, line 8, the estimated average common equity
22 for the period October 1995 - March 1996 is shown to be \$1,020,616,000. This
23 produces the maximum allowed jurisdictional incentive dollars of \$2,067,145
24 shown on line 15.
25

1 Q. Is there any other constraint set forth by this Commission regarding the magnitude
2 of incentive dollars?

3
4 A. Yes. Incentive dollars are not to exceed fifty percent of fuel savings. Page 2 of
5 my exhibit demonstrates that the incentive amount calculated on page 3 has been
6 reduced to meet this constraint.

7
8 Q. Do you wish to summarize your testimony on the GPIF?

9
10 A. Yes. To the best of my knowledge and understanding, Tampa Electric Company
11 has fully complied with the Commission's directions, philosophy, and
12 methodology in our determination of Generating Performance Incentive Factor.
13 The GPIF for Tampa Electric Company is expressed by the following formula for
14 calculating Generating Performance Incentive Points (GPIP):

$$\begin{aligned} \text{GPIP} = & (0.0057 \text{ EAP}_{\text{GN5}} + 0.0347 \text{ EAP}_{\text{GN6}} \\ & + 0.0604 \text{ EAP}_{\text{BB1}} + 0.0488 \text{ EAP}_{\text{BB2}} \\ & + 0.0548 \text{ EAP}_{\text{BB3}} + 0.0316 \text{ EAP}_{\text{BB4}} \\ & + 0.0773 \text{ HRP}_{\text{GN5}} + 0.1286 \text{ HRP}_{\text{GN6}} \\ & + 0.0982 \text{ HRP}_{\text{BB1}} + 0.1294 \text{ HRP}_{\text{BB2}} \\ & + 0.1903 \text{ HRP}_{\text{BB3}} + 0.1402 \text{ HRP}_{\text{BB4}}) \end{aligned}$$

21 Where:

22 GPIF = Generating performance incentive points.

23 EAP = Equivalent availability points awarded/deducted for
24 Units 5 and 6 at Gannon and Units 1, 2, 3 and 4 at Big Bend.

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HRP = Average net heat rate points awarded/deducted for Units 5
and 6 at Gannon and Units 1, 2, 3 and 4 at Big Bend.

Q. Have you prepared a document summarizing the GPIF targets for the October
1995 - March 1996 period?

A. Yes. The availability and heat rate targets for each unit are listed on attachment
"A" to this testimony entitled "Tampa Electric Company GPIF Targets,
October 1, 1995 - March 31, 1996".

Q. Do you wish to sponsor an exhibit consisting of estimated unit performance data
supporting the fuel adjustment?

A. Yes I do. (Have identified as Exhibit GAK-3).

Q. Briefly describe this exhibit.

A. This exhibit consists of 22 pages. This data is Tampa Electric Company's
estimate of the Unit Performance Data and Unit Outage Data for the October
1995 - March 1996 period.

Q. Does this conclude your testimony?

A. Yes.

ATTACHMENT "A"
June 23, 1995

TAMPA ELECTRIC COMPANY
GPIF TARGETS
October 1, 1995 - March 31, 1996

Unit	Availability			Heat Rate
	EAF	POF	EUOF	
Gannon 5	63.4	28.4	8.0 ^{1/}	10,178 ^{1/}
Gannon 6	81.9	3.8	14.3 ^{2/}	10,348 ^{2/}
Big Bend 1	85.4	0	14.6 ^{2/}	9,931 ^{2/}
Big Bend 2	67.9	21.3	10.8 ^{4/}	9,837 ^{4/}
Big Bend 3	87.4	0	12.6 ^{2/}	9,596 ^{2/}
Big Bend 4	82.8	8.7	8.4 ^{6/}	9,933 ^{6/}

^{1/} Original Sheet 7.401.95E, Pg. 13

^{2/} Original Sheet 7.401.95E, Pg. 14

^{2/} Original Sheet 7.401.95E, Pg. 15

^{4/} Original Sheet 7.401.95E, Pg. 16

^{2/} Original Sheet 7.401.95E, Pg. 17

^{6/} Original Sheet 7.401.95E, Pg. 18

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
OCTOBER 1995 - MARCH 1996
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TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
REWARD/PENALTY TABLE - ESTIMATED
OCTOBER 1995 - MARCH 1996

<u>GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)</u>	<u>FUEL SAVINGS/(LOSS) (\$000)</u>	<u>GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)</u>
+10	3,751.4	1,875.7
+ 9	3,376.3	1,688.1
+ 8	3,001.1	1,500.6
+ 7	2,626.0	1,313.0
+ 6	2,250.8	1,125.4
+ 5	1,875.7	937.9
+ 4	1,500.6	750.3
+ 3	1,125.4	562.7
+ 2	750.3	375.1
+ 1	375.1	187.6
0	0.0	0.0
- 1	(504.9)	(187.6)
- 2	(1,009.8)	(375.1)
- 3	(1,514.7)	(562.7)
- 4	(2,019.6)	(750.3)
- 5	(2,524.6)	(937.9)
- 6	(3,029.5)	(1,125.4)
- 7	(3,534.4)	(1,313.0)
- 8	(4,039.3)	(1,500.6)
- 9	(4,544.2)	(1,688.1)
-10	(5,049.1)	(1,875.7)

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
ESTIMATED
OCTOBER 1995 – MARCH 1996**

Line 1	Beginning of period balance of common equity End of month common equity:	\$1,003,659,000
Line 2	Month of October 1995	\$1,013,198,000
Line 3	Month of November 1995	\$1,023,118,000
Line 4	Month of December 1995	\$1,033,136,000
Line 5	Month of January 1996	\$1,013,775,000
Line 6	Month of February 1996	\$1,023,701,000
Line 7	Month of March 1996	\$1,033,725,000
Line 8	(summation of line 1 through line 7 divided by 7)	\$1,020,616,000
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)	\$2,078,688
Line 12	Jurisdictional Sales	6,734,886 MWH
Line 13	Total Sales	6,772,493 MWH
Line 14	Jurisdictional Separation Factor (Line 12 divided by line 13)	99.44%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (Line 11 times Line 14)	\$2,067,145

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
OCTOBER 1995 - MARCH 1996

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>
GANNON 5	0.57%	63.6	66.5	57.4	21.5	(72.8)
GANNON 6	3.47%	81.9	84.9	75.8	130.1	(240.2)
BIG BEND 1	6.04%	85.4	88.3	79.6	226.7	(445.4)
BIG BEND 2	4.88%	67.9	71.1	61.5	182.9	(449.8)
BIG BEND 3	5.48%	87.4	89.9	82.4	205.4	(561.1)
BIG BEND 4	<u>3.16%</u>	82.9	84.9	78.6	<u>118.7</u>	<u>(413.7)</u>
GPIF SYSTEM	23.60%				885.3	(2,183.0)

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>MIN.</u>	<u>MAX.</u>		
GANNON 5	7.73%	10178	78.3	9760	10596	289.8	(289.8)
GANNON 6	12.86%	10348	70.7	10001	10695	482.3	(482.3)
BIG BEND 1	9.82%	9931	90.9	9747	10115	368.4	(368.4)
BIG BEND 2	12.94%	9837	91.7	9533	10141	485.3	(485.3)
BIG BEND 3	19.03%	9596	91.5	9244	9948	713.9	(713.9)
BIG BEND 4	<u>14.02%</u>	9989	91.1	9667	10311	<u>526.4</u>	<u>(526.4)</u>
GPIF SYSTEM	76.40%					2,866.1	(2,866.1)

TAMPA ELECTRIC COMPANY
COMPARISON OF GPF TARGETS VS. PRIOR PERIOD ACTUAL PERFORMANCE

AVAILABILITY

PLANT/UNIT	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD OCT 85 - MAR 86		ACTUAL PERFORMANCE OCT 85 - MAR 85		ACTUAL PERFORMANCE APR 86 - SEP 86		ACTUAL PERFORMANCE OCT 86 - MAR 87		ACTUAL PERFORMANCE APR 87 - SEP 87		ACTUAL PERFORMANCE OCT 87 - MAR 88							
			POP	ELDER	POP	ELDER	POP	ELDER	POP	ELDER	POP	ELDER	POP	ELDER						
BIG BEND 1	6.04%	25.8	0.0	14.8	14.8	7.7	7.8	8.2	20.8	10.3	14.8	0.0	14.5	14.2	8.3	18.8	21.4			
BIG BEND 2	4.88%	20.7	21.5	10.8	13.7	28.7	11.0	15.8	0.0	20.8	20.8	0.0	7.3	7.9	8.8	3.8	10.4	10.8		
BIG BEND 3	5.48%	23.2	0.0	12.8	12.8	0.0	12.8	12.8	0.0	8.1	8.1	8.5	8.2	8.8	11.8	12.8	14.5	18.1	23.5	
BIG BEND 4	3.19%	13.4	8.7	8.4	9.2	16.8	10.0	8.3	0.0	7.4	7.4	5.1	8.8	8.3	0.0	15.3	15.3	0.0	5.8	
GANNON 5	0.87%	2.4	28.4	8.0	11.2	4.0	8.8	8.8	2.7	11.8	12.2	4.1	8.7	8.8	28.8	10.9	15.5	0.0	8.8	
GANNON 6	3.67%	14.7	3.8	14.3	14.8	8.8	9.8	17.2	0.0	9.3	9.3	20.3	7.8	17.2	14.0	18.3	18.0	20.1	8.2	
GPF SYSTEM WGTD AVG	23.80%	100.0	8.8	12.3	13.2	11.5	10.1	11.8	7.9	11.7	12.8	8.8	8.7	10.3	8.3	13.1	14.0	11.7	13.5	15.8
GPF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY				80.0			78.4		80.4		84.7		80.8		74.8					

6 PERIOD AVERAGE
ECE ELDER EAE

8.8 11.4 12.9

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT/UNIT	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING FACTOR	HEAT RATE TARGET		ADJUSTED PRIOR HEAT RATE	
			POP	ELDER	OCT 82 - MAR 83	OCT 81 - MAR 82
GANNON 5	7.73%	10.1	10178	10223	10073	10238
GANNON 6	12.86%	16.8	10348	10367	10484	10552
BIG BEND 1	9.82%	12.8	9831	9878	9648	9688
BIG BEND 2	12.94%	18.9	9837	9872	10032	9855
BIG BEND 3	19.03%	24.9	9506	9670	10083	9884
BIG BEND 4	14.02%	18.4	9833	9808	9853	10008
GPF SYSTEM WEIGHTED AVERAGE H.R. (Btu/kwh)	78.40%	100.0	9827	10024	10096	10108

TAMPA ELECTRIC COMPANY
DERIVATION OF WEIGHTING FACTORS
OCTOBER 1995 - MARCH 1998
PRODUCTION COSTING SIMULATION
FUEL COST (\$000)

UNIT PERFORMANCE INDICATOR	AT TARGET (1)	IMPROVEMENT (2)	SAVINGS (3)	WEIGHTING FACTOR (% OF SAVINGS)
EQUIVALENT AVAILABILITY				
EA ₁ GANNON 5	103635.6	103614.1	21.5	0.57%
EA ₂ GANNON 6	103635.6	103505.5	130.1	3.47%
EA ₃ BIG BEND 1	103635.6	103408.9	226.7	6.04%
EA ₄ BIG BEND 2	103635.6	103452.7	182.9	4.88%
EA ₅ BIG BEND 3	103635.6	103430.2	205.4	5.48%
EA ₆ BIG BEND 4	103635.6	103516.9	118.7	3.16%
HEAT RATE				
AHR ₁ GANNON 5	103635.6	103345.8	289.8	7.73%
AHR ₂ GANNON 6	103635.6	103153.3	482.3	12.86%
AHR ₃ BIG BEND 1	103635.6	103267.2	368.4	9.82%
AHR ₄ BIG BEND 2	103635.6	103150.3	485.3	12.94%
AHR ₅ BIG BEND 3	103635.6	102921.7	713.9	19.03%
AHR ₆ BIG BEND 4	103635.6	103109.2	526.4	14.02%
TOTAL SAVINGS			3751.4	100.00%

(1) Fuel adjustment Base Case - All unit performance indicators at target.

(2) All other unit performance indicators at target.

(3) Expressed in replacement energy cost.

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1995 - MARCH 1996
GANNON 5

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS/(LOSS) (\$x1000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS/(LOSS) (\$x1000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	21.5	66.5	+10	289.8	9760
+9	19.3	66.2	+9	260.8	9794
+8	17.2	65.9	+8	231.8	9829
+7	15.0	65.6	+7	202.9	9863
+6	12.9	65.3	+6	173.9	9897
+5	10.8	65.1	+5	144.9	9932
+4	8.6	64.8	+4	115.9	9966
+3	6.5	64.5	+3	86.9	10000
+2	4.3	64.2	+2	58.0	10034
+1	2.2	63.9	+1	29.0	10069
				0.0	10103
0	0.0	63.6	0	0.0	10178
				0.0	10253
-1	(7.3)	63.0	-1	(29.0)	10287
-2	(14.6)	62.4	-2	(58.0)	10322
-3	(21.8)	61.7	-3	(86.9)	10356
-4	(29.1)	61.1	-4	(115.9)	10390
-5	(36.4)	60.5	-5	(144.9)	10425
-6	(43.7)	59.9	-6	(173.9)	10459
-7	(51.0)	59.3	-7	(202.9)	10493
-8	(58.2)	58.6	-8	(231.8)	10527
-9	(65.5)	58.0	-9	(260.8)	10562
-10	(72.8)	57.4	-10	(289.8)	10596

Weighting Factor = 0.57%

Weighting Factor = 7.73%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1995 - MARCH 1996
GANNON 8

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS/(LOSS) (\$1000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS/(LOSS) (\$1000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	130.1	84.9	+10	482.3	10001
+9	117.1	84.6	+9	434.1	10028
+8	104.1	84.3	+8	385.8	10055
+7	91.1	84.0	+7	337.6	10083
+6	78.1	83.7	+6	289.4	10110
+5	65.1	83.4	+5	241.2	10137
+4	52.0	83.1	+4	192.9	10164
+3	39.0	82.8	+3	144.7	10191
+2	26.0	82.5	+2	96.5	10219
+1	13.0	82.2	+1	48.2	10246
				0.0	10273
0	0.0	81.9	0	0.0	10348
				0.0	10423
-1	(24.0)	81.3	-1	(48.2)	10450
-2	(48.0)	80.7	-2	(96.5)	10477
-3	(72.1)	80.1	-3	(144.7)	10505
-4	(96.1)	79.5	-4	(192.9)	10532
-5	(120.1)	78.9	-5	(241.2)	10559
-6	(144.1)	78.2	-6	(289.4)	10586
-7	(168.1)	77.6	-7	(337.6)	10613
-8	(192.2)	77.0	-8	(385.8)	10641
-9	(216.2)	76.4	-9	(434.1)	10668
-10	(240.2)	75.8	-10	(482.3)	10695

Weighting Factor = 3.47%

Weighting Factor = 12.86%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1995 - MARCH 1996
BIG BEND 1

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS/(LOSS) (\$x1000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS/(LOSS) (\$x1000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	226.7	88.3	+10	368.4	9747
+9	204.0	88.0	+9	331.6	9758
+8	181.4	87.7	+8	294.7	9769
+7	158.7	87.4	+7	257.9	9780
+6	136.0	87.1	+6	221.0	9791
+5	113.4	86.9	+5	184.2	9802
+4	90.7	86.6	+4	147.4	9812
+3	68.0	86.3	+3	110.5	9823
+2	45.3	86.0	+2	73.7	9834
+1	22.7	85.7	+1	36.8	9845
				0.0	9856
0	0.0	85.4	0	0.0	9931
				0.0	10006
-1	(44.5)	84.8	-1	(36.8)	10017
-2	(89.1)	84.2	-2	(73.7)	10028
-3	(133.6)	83.7	-3	(110.5)	10039
-4	(178.2)	83.1	-4	(147.4)	10050
-5	(222.7)	82.5	-5	(184.2)	10061
-6	(267.2)	81.9	-6	(221.0)	10071
-7	(311.8)	81.3	-7	(257.9)	10082
-8	(356.3)	80.8	-8	(294.7)	10093
-9	(400.9)	80.2	-9	(331.6)	10104
-10	(445.4)	79.6	-10	(368.4)	10115

Weighting Factor =

6.04%

Weighting Factor =

9.82%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1995 - MARCH 1996
BIG BEND 2

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS/(LOSS) (\$x1000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS/(LOSS) (\$x1000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	182.9	71.1	+10	485.3	9333
+9	164.6	70.8	+9	436.8	9356
+8	146.3	70.5	+8	388.2	9379
+7	128.0	70.1	+7	339.7	9602
+6	109.7	69.8	+6	291.2	9625
+5	91.5	69.5	+5	242.7	9648
+4	73.2	69.2	+4	194.1	9670
+3	54.9	68.9	+3	145.6	9693
+2	36.6	68.5	+2	97.1	9716
+1	18.3	68.2	+1	48.5	9739
				0.0	9762
0	0.0	67.9	0	0.0	9837
				0.0	9912
-1	(45.0)	67.3	-1	(48.5)	9935
-2	(90.0)	66.6	-2	(97.1)	9958
-3	(134.9)	66.0	-3	(145.6)	9981
-4	(179.9)	65.3	-4	(194.1)	10004
-5	(224.9)	64.7	-5	(242.7)	10027
-6	(269.9)	64.1	-6	(291.2)	10049
-7	(314.9)	63.4	-7	(339.7)	10072
-8	(359.8)	62.8	-8	(388.2)	10095
-9	(404.8)	62.1	-9	(436.8)	10118
-10	(449.8)	61.5	-10	(485.3)	10141

Weighting Factor = 4.88%

Weighting Factor = 12.94%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1995 - MARCH 1995
BIG BEND 3

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS/(LOSS) (\$x1000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS/(LOSS) (\$x1000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	205.4	89.9	+10	713.9	9244
+9	184.9	89.7	+9	642.5	9272
+8	164.3	89.4	+8	571.1	9299
+7	143.8	89.2	+7	499.7	9327
+6	123.2	88.9	+6	428.3	9355
+5	102.7	88.7	+5	357.0	9383
+4	82.2	88.4	+4	285.6	9410
+3	61.6	88.2	+3	214.2	9438
+2	41.1	87.9	+2	142.8	9466
+1	20.5	87.7	+1	71.4	9493
				0.0	9521
0	0.0	87.4	0	0.0	9596
				0.0	9671
-1	(56.1)	86.9	-1	(71.4)	9699
-2	(112.2)	86.4	-2	(142.8)	9726
-3	(168.3)	85.9	-3	(214.2)	9754
-4	(224.4)	85.4	-4	(285.6)	9782
-5	(280.6)	84.9	-5	(357.0)	9810
-6	(336.7)	84.4	-6	(428.3)	9837
-7	(392.8)	83.9	-7	(499.7)	9865
-8	(448.9)	83.4	-8	(571.1)	9893
-9	(505.0)	82.9	-9	(642.5)	9920
-10	(561.1)	82.4	-10	(713.9)	9948

Weighting Factor = 5.48%

Weighting Factor = 19.03%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
OCTOBER 1995 - MARCH 1996
BIG BEND 4

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS/(LOSS) (\$x1000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS/(LOSS) (\$x1000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	118.7	84.9	+10	526.4	9607
+9	106.8	84.7	+9	473.8	9692
+8	95.0	84.5	+8	421.1	9716
+7	83.1	84.3	+7	368.5	9741
+6	71.2	84.1	+6	315.8	9766
+5	59.4	83.9	+5	263.2	9791
+4	47.5	83.7	+4	210.6	9815
+3	35.6	83.5	+3	157.9	9840
+2	23.7	83.3	+2	105.3	9865
+1	11.9	83.1	+1	52.6	9889
				0.0	9914
0	0.0	82.9	0	0.0	9989
				0.0	10064
-1	(41.4)	82.5	-1	(52.6)	10089
-2	(82.7)	82.0	-2	(105.3)	10113
-3	(124.1)	81.6	-3	(157.9)	10138
-4	(165.5)	81.2	-4	(210.6)	10163
-5	(206.9)	80.8	-5	(263.2)	10188
-6	(248.2)	80.3	-6	(315.8)	10212
-7	(289.6)	79.9	-7	(368.5)	10237
-8	(331.0)	79.5	-8	(421.1)	10262
-9	(372.3)	79.0	-9	(473.8)	10286
-10	(413.7)	78.6	-10	(526.4)	10311

Weighting Factor = 3.16%

Weighting Factor = 14.02%

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
OCTOBER 1995 - MARCH 1996

PLANT/UNIT GANNON 5	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	8.7	38.5	88.8	88.8	67.4	88.6	63.6
2. POF (%)	90.2	56.7	0.0	0.0	24.1	0.0	28.4
3. EUOF (%)	1.1	4.9	11.2	11.2	8.5	11.4	8.0
4. EUOR (%)	11.0	11.2	11.2	11.2	11.2	11.4	11.2
5. PH	745	720	744	744	696	744	4393
6. SH	61	251	602	586	452	638	2590
7. RSH	0	0	0	0	0	0	0
8. UH	684	469	142	158	244	106	1803
9. POH	672	408	0	0	168	0	1248
10. FOH & EFOH	7	31	74	74	53	76	315
11. MOH & EMOH	1	4	9	9	6	9	38
12. OPER BTU (GBTU)	115.946	455.812	1115.242	1009.213	867.357	1224.908	4788.480
13. NET GEN (MWH)	11236	44649	109796	98806	85486	120522	470495
14. ANOHR (BTU/KWH)	10319	10209	10157	10214	10146	10163	10178
15. NOF (%)	79.4	76.7	78.6	72.7	81.5	81.4	78.3
16. NSC (MW)	232	232	232	232	232	232	232

17. ANOHR EQUATION: $ANOHR = NOF (-23.5270) + 12019.7$

FILED:
SUSPENDED:
EFFECTIVE: 10/01/95
DOCKET NO. : 950001 - EI

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
OCTOBER 1995 - MARCH 1996

PLANT/UNIT GANNON 6	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	85.1	85.1	66.0	85.1	85.2	84.8	81.0
2. POF (%)	0.0	0.0	22.6	0.0	0.0	0.0	3.8
3. EUOF (%)	14.9	14.9	11.4	14.9	14.8	15.2	14.3
4. EUOR (%)	14.9	14.9	14.8	14.9	14.8	15.2	14.9
5. PH	745	720	744	744	696	744	4393
6. SH	612	576	447	555	557	611	3358
7. RSH	0	0	0	0	0	0	0
8. UH	133	144	297	189	139	133	1035
9. POH	0	0	168	0	0	0	168
10. FOH & EFOH	92	89	71	92	86	94	524
11. MOH & EMOH	19	18	14	19	17	19	106
12. OPER BTU (GBTU)	1856.603	1610.817	1264.583	1369.288	1720.212	1810.481	9631.984
13. NET GEN (MWH)	178599	155665	122491	131093	167459	175498	930805
14. ANOHR (BTU/KWH)	10395	10348	10324	10445	10272	10316	10348
15. NOF (%)	74.4	68.9	69.9	60.3	76.7	73.3	70.7
16. NSC (MW)	392	392	392	392	392	392	392

17. ANOHR EQUATION: ANOHR = NOF (-3.0507) + 10563.7

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**TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
OCTOBER 1995 - MARCH 1996**

PLANT/UNIT BIG BEND 1	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	85.4	85.4	85.3	85.3	85.5	85.5	85.4
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	14.6	14.6	14.7	14.7	14.5	14.5	14.6
4. EUOR (%)	14.6	14.6	14.7	14.7	14.5	14.5	14.6
5. PH	745	720	744	744	696	744	4393
6. SH	670	648	670	670	627	671	3956
7. RSH	0	0	0	0	0	0	0
8. UH	75	72	74	74	69	73	437
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	80	77	80	80	74	79	470
11. MOH & EMOH	29	28	29	29	27	29	171
12. OPER BTU (GBTU)	2616.945	2443.759	2536.590	2632.048	2492.801	2669.712	15393.855
13. NET GEN (MWH)	261920	246416	256542	265496	251415	268325	1550114
14. ANOHR (BTU/KWH)	9999	9917	9888	9914	9915	9950	9931
15. NOF (%)	90.7	88.2	88.8	91.9	93.0	92.8	90.9
16. NSC (MW)	431	431	431	431	431	431	431

17. ANOHR EQUATION:

$$\text{ANOHR} = \text{NOF} (-5.8450) + 10462.1$$

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SUSPENDED:
EFFECTIVE: 10/01/95
DOCKET NO: 950001 - EI

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
OCTOBER 1995 - MARCH 1996

PLANT/UNIT BIG BEND 2	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	86.3	48.9	78.0	86.3	86.2	22.4	67.9
2. POF (%)	0.0	43.3	9.7	0.0	0.0	74.2	21.3
3. EUOF (%)	13.7	7.8	12.4	13.7	13.8	3.4	10.8
4. EUOR (%)	13.7	13.7	13.7	13.7	13.8	13.0	13.7
5. PH	745	720	744	744	698	744	4393
6. SH	673	369	608	673	629	178	3130
7. RSH	0	0	0	0	0	0	0
8. UH	72	351	136	71	67	566	1263
9. POH	0	312	72	0	0	552	936
10. FOH & EFOH	82	45	74	82	77	20	380
11. MOH & EMOH	20	11	18	20	19	5	93
12. OPER BTU (GBTU)	2606.661	1408.613	2313.927	2632.882	2511.241	697.936	12171.460
13. NET GEN (MWH)	262679	143211	235527	268449	256330	71106	1237302
14. ANOHR (BTU/KWH)	9924	9836	9824	9808	9797	9815	9837
15. NOF (%)	90.6	90.0	89.9	92.5	94.6	92.7	91.7
16. NSC (MW)	431	431	431	431	431	431	431

17. ANOHR EQUATION: $ANOHR = NOF (-10.3610) + 10787.2$

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
OCTOBER 1995 - MARCH 1996

PLANT/UNIT BIG BEND 3	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	87.4	87.5	87.5	87.5	73.6	100.0	87.4
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	12.6	12.5	12.5	12.5	26.4	0.0	12.6
4. EUOR (%)	12.6	12.5	12.5	12.5	26.4	0.0	12.6
5. PH	745	720	744	744	696	744	4393
6. SH	678	656	676	678	634	0	4003
7. RSH	0	0	0	0	0	0	0
8. UH	67	64	66	66	62	744	390
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	66	63	65	65	128	0	387
11. MOH & EMOH	28	27	28	28	56	0	167
12. OPER BTU (GBTU)	2675.931	2575.733	2575.939	2554.807	2463.550	2655.762	15431.722
13. NET GEN (MWH)	276727	261402	269052	266617	257314	277105	1606217
14. ANOHR (BTU/KWH)	9670	9586	9574	9582	9574	9584	9596
15. NOF (%)	93.0	90.8	90.4	89.6	92.5	0.0	91.5
16. NSC (MW)	439	439	439	439	439	439	439

17. ANOHR EQUATION:

$$\text{ANOHR} = \text{NOF} (-14.9350) + 10962.1$$

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SUSPENDED:
EFFECTIVE: 10/01/95
DOCKET NO. : 950001 - EI

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
OCTOBER 1995 - MARCH 1996

PLANT/UNIT BIG BEND 4	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	90.9	90.8	90.9	90.9	40.8	90.6	82.9
2. POF (%)	0.0	0.0	0.0	0.0	55.2	0.0	8.7
3. EUOF (%)	9.1	9.2	9.1	9.1	4.0	9.4	8.4
4. EUOR (%)	9.1	9.2	9.1	9.1	9.0	9.4	9.2
5. PH	745	720	744	744	696	744	4393
6. SH	704	681	704	704	296	704	3793
7. RSH	0	0	0	0	0	0	0
8. UH	41	39	40	40	400	40	600
9. POH	0	0	0	0	384	0	384
10. FOH & EFOH	34	33	34	34	14	35	184
11. MOH & EMOH	34	33	34	34	14	35	184
12. OPER BTU (GBTU)	2877.907	2732.186	2831.492	2849.260	1223.726	2917.273	15431.844
13. NET GEN (MWH)	286654	273517	284019	285667	122826	292267	1544950
14. ANOHR (BTU/KWH)	10040	9989	9989	9974	9963	9982	9939
15. NOF (%)	91.1	89.9	90.3	90.8	92.8	92.9	91.1
16. NSC (MW)	447	447	447	447	447	447	447

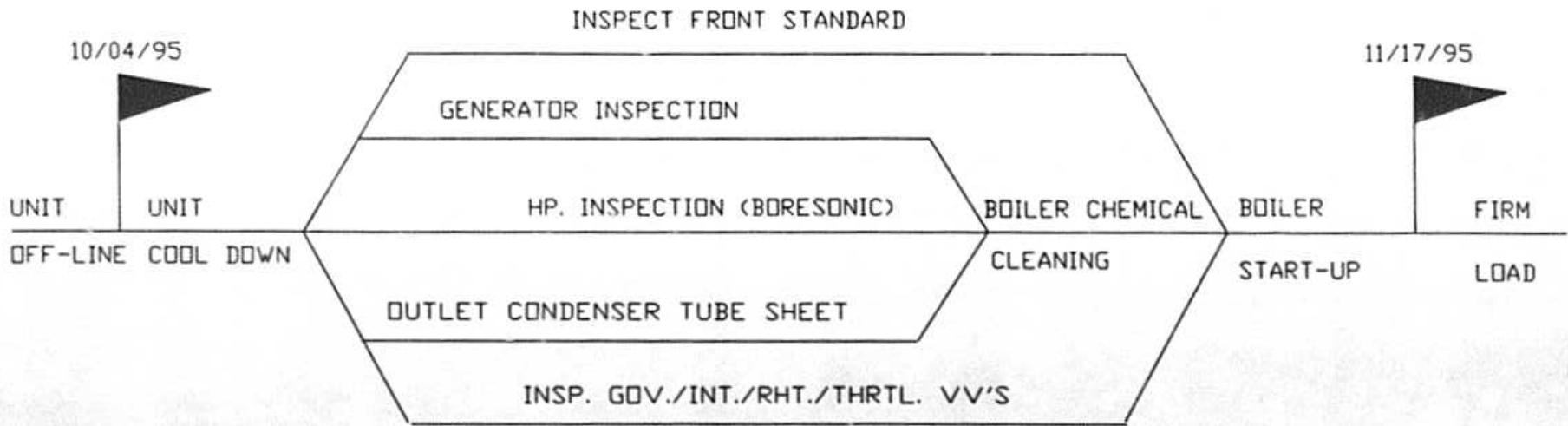
17. ANOHR EQUATION: $ANOHR = NOF (-8.0541) + 10722.3$

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DOCKET NO. : 950001 - E1

TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ESTIMATED)
GPIF UNITS
OCTOBER 1995 - MARCH 1996

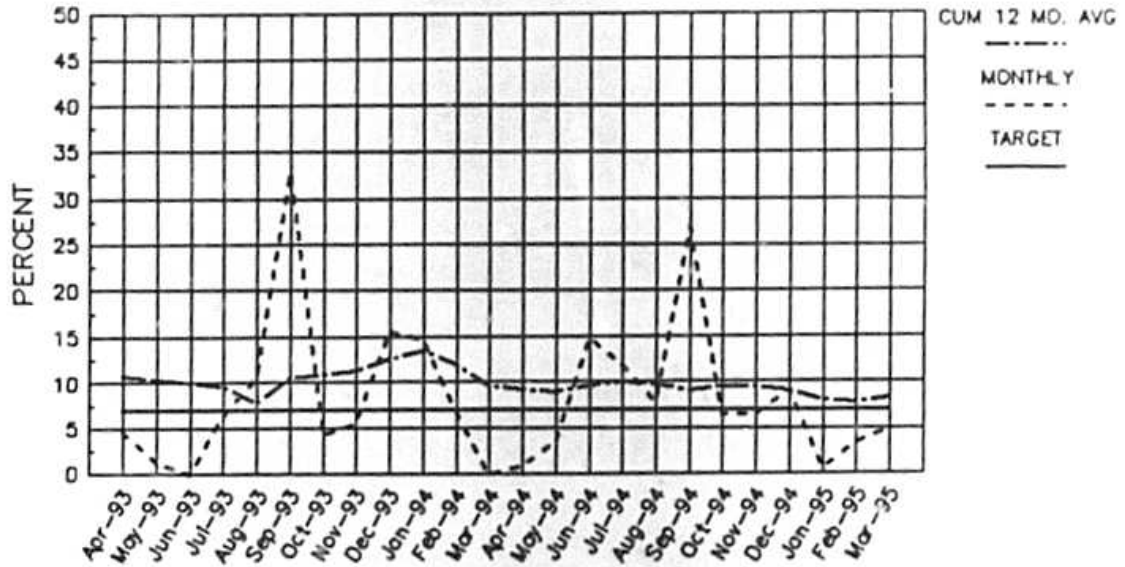
<u>PLANT / UNIT</u>	<u>PLANNED OUTAGE DATES</u>	<u>OUTAGE REASONS</u>
+ BIG BEND 2	NOV 18 - DEC 03	ANNUAL MAINTENANCE OUTAGE
+ BIG BEND 2	MAR 02 - MAR 24	ANNUAL MAINTENANCE OUTAGE
+ BIG BEND 4	FEB 10 - FEB 25	ANNUAL MAINTENANCE OUTAGE
GANNON 5	OCT 04 - NOV 17	HP. INSPECTION (BORESONIC) GENERATOR INSPECTION INSPECT FRT. STD. INSPECT GOV/INT/THRTL. VV'S OUTLET CONDENSER TUBE SHEETS BOILER CHEMICAL CLEANING
+ GANNON 5	FEB 03 - FEB 09	FUEL SYSTEM CLEAN-UP
+ GANNON 6	DEC 04 - DEC 10	FUEL SYSTEM CLEAN-UP

* OUTAGE START / END DATE OUTSIDE OF GPIF PERIOD
+ CPM WAS NOT INCLUDED FOR THIS UNIT, NOT A MAJOR OUTAGE.

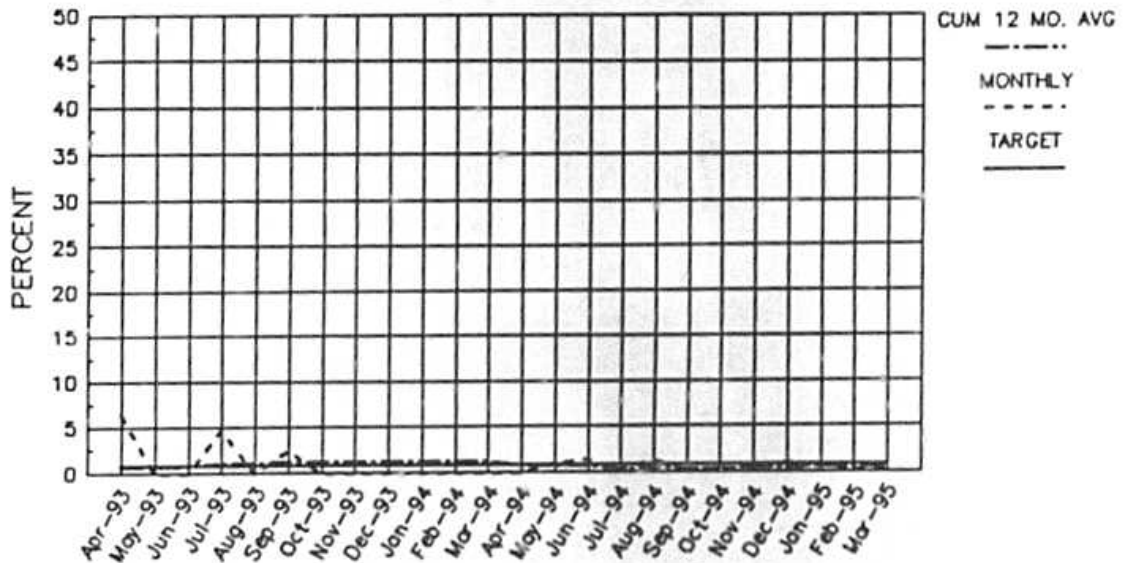


TAMPA ELECTRIC COMPANY
 GANNON UNIT NO. 5
 PLANNED OUTAGE 1995
 PRELIMINARY CPM
 06/20/95

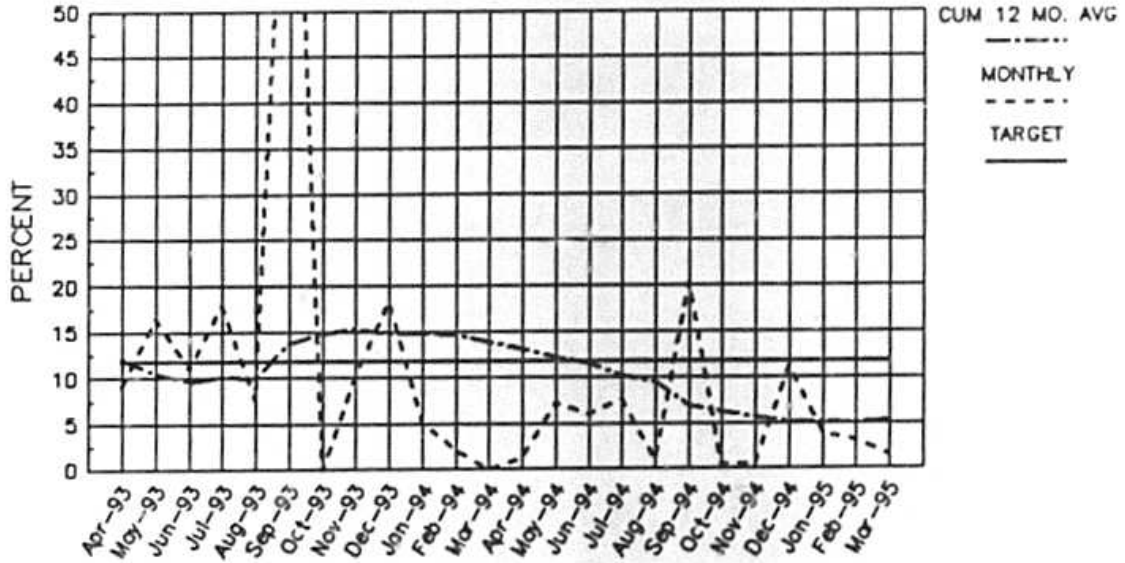
TAMPA ELECTRIC CO.
GANNON UNIT #5
EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



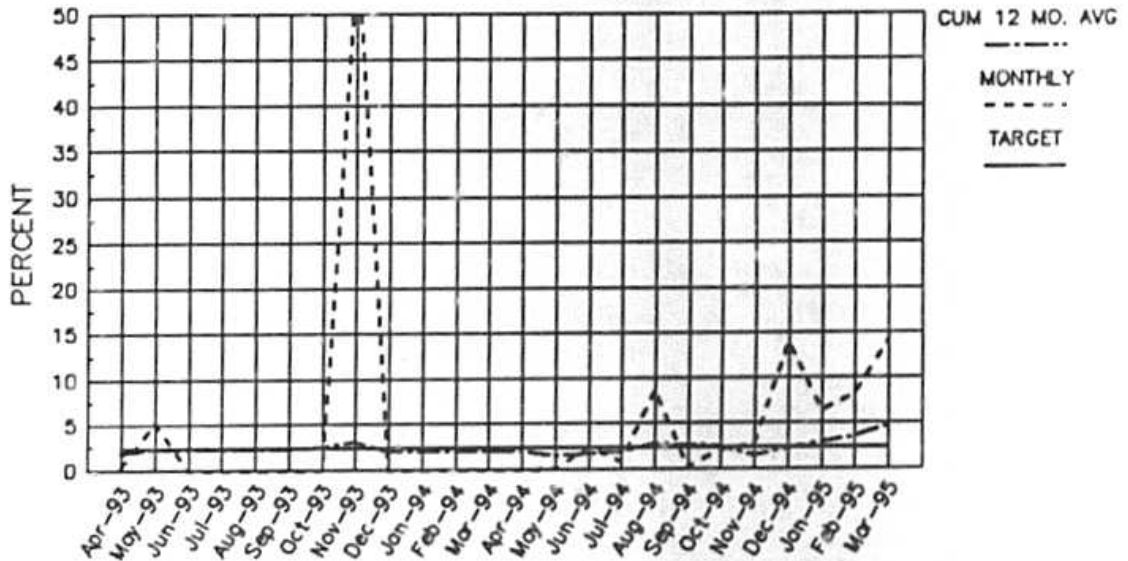
TAMPA ELECTRIC CO.
GANNON UNIT #5
EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



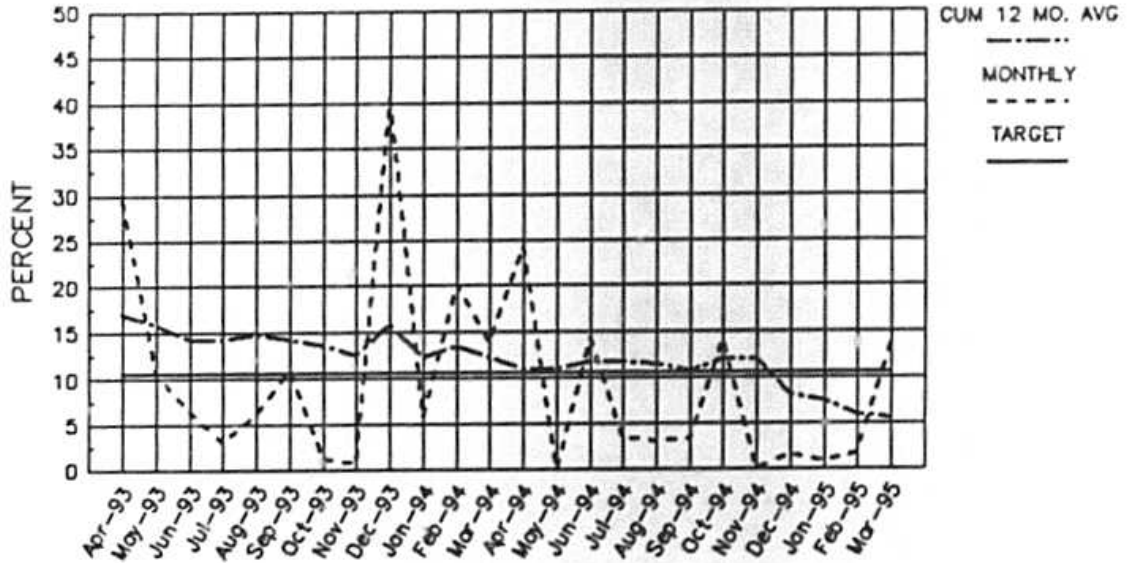
TAMPA ELECTRIC CO.
 GANNON UNIT #6
 EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



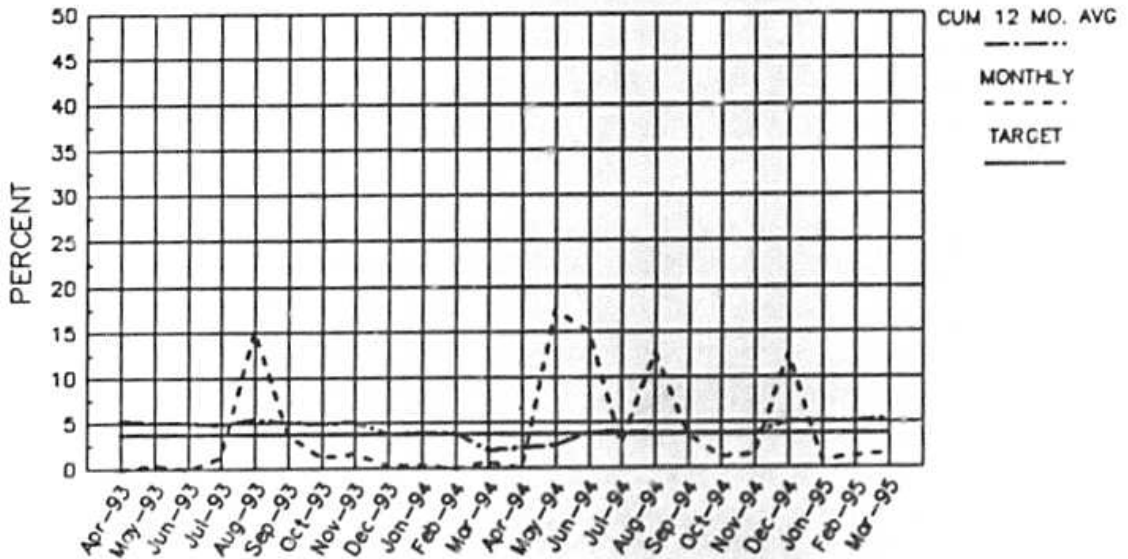
TAMPA ELECTRIC CO.
 GANNON UNIT #6
 EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



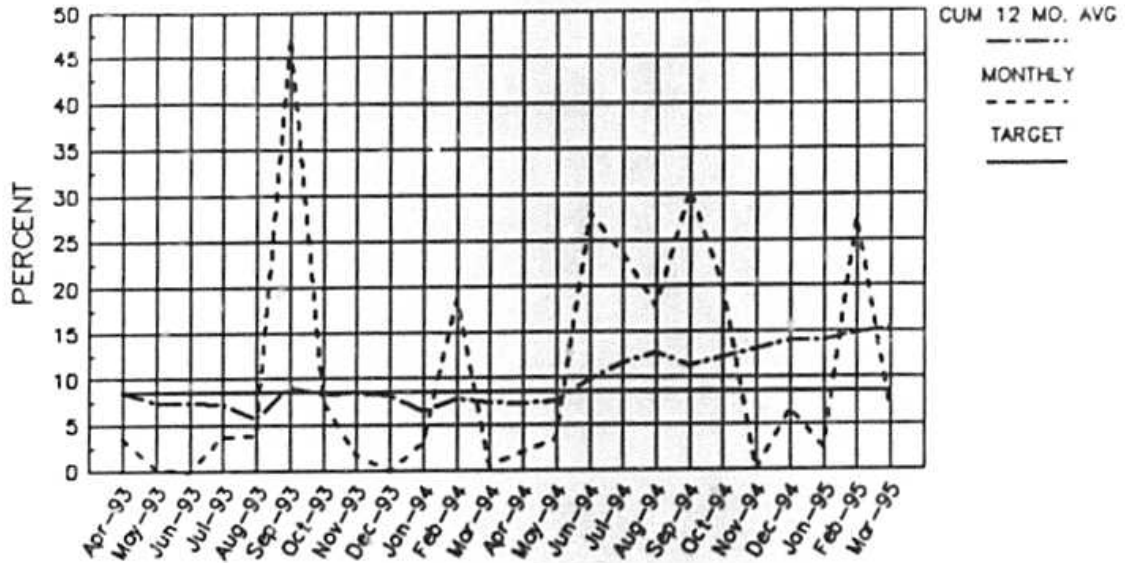
TAMPA ELECTRIC CO.
BIG BEND UNIT #1
EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



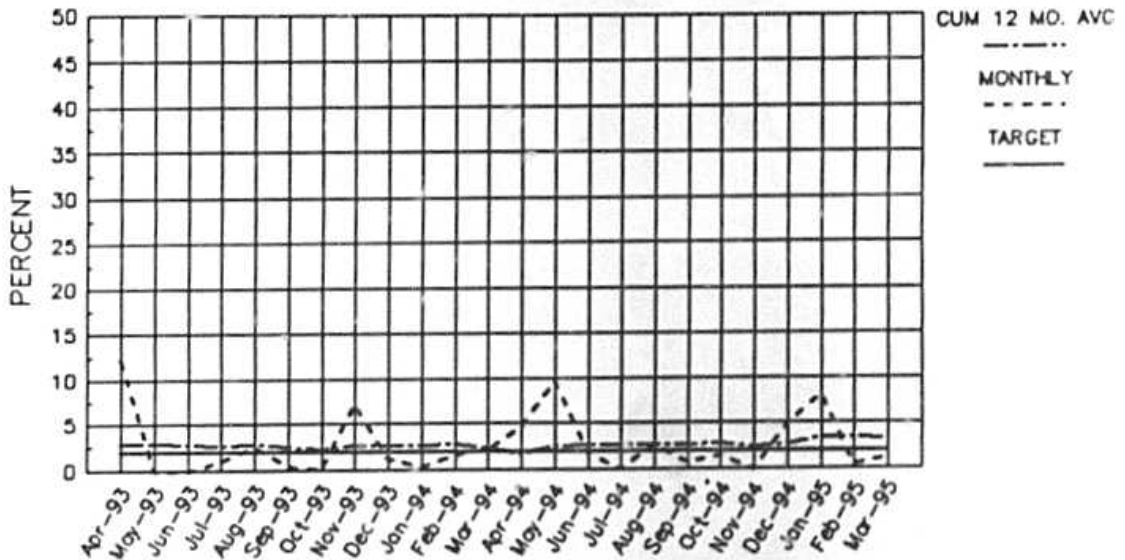
TAMPA ELECTRIC CO.
BIG BEND UNIT #1
EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



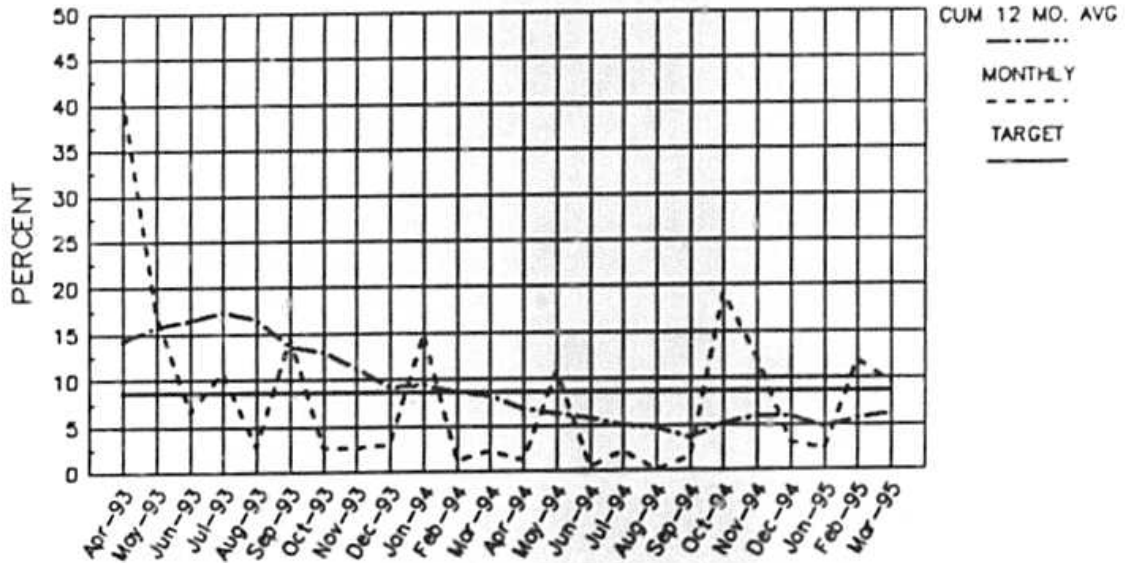
TAMPA ELECTRIC CO.
BIG BEND UNIT #2
EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



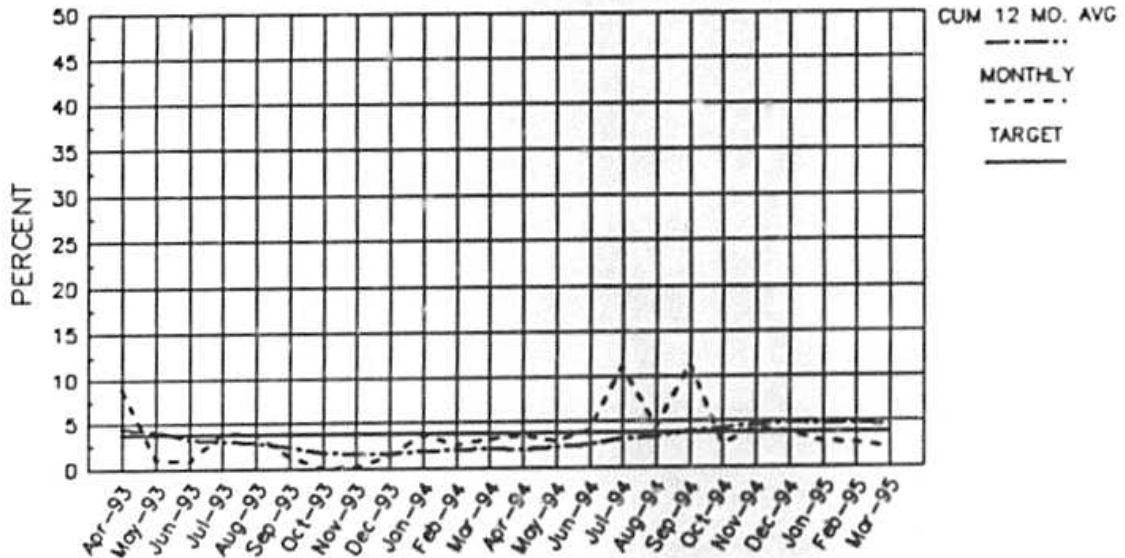
TAMPA ELECTRIC CO.
BIG BEND UNIT #2
EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



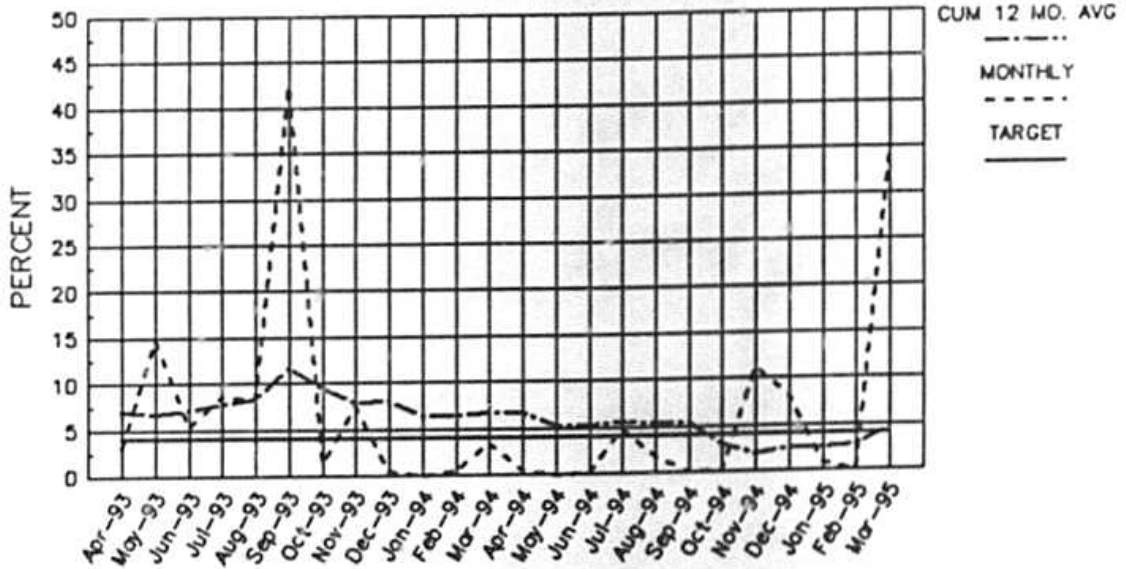
TAMPA ELECTRIC CO.
BIG BEND UNIT #3
EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



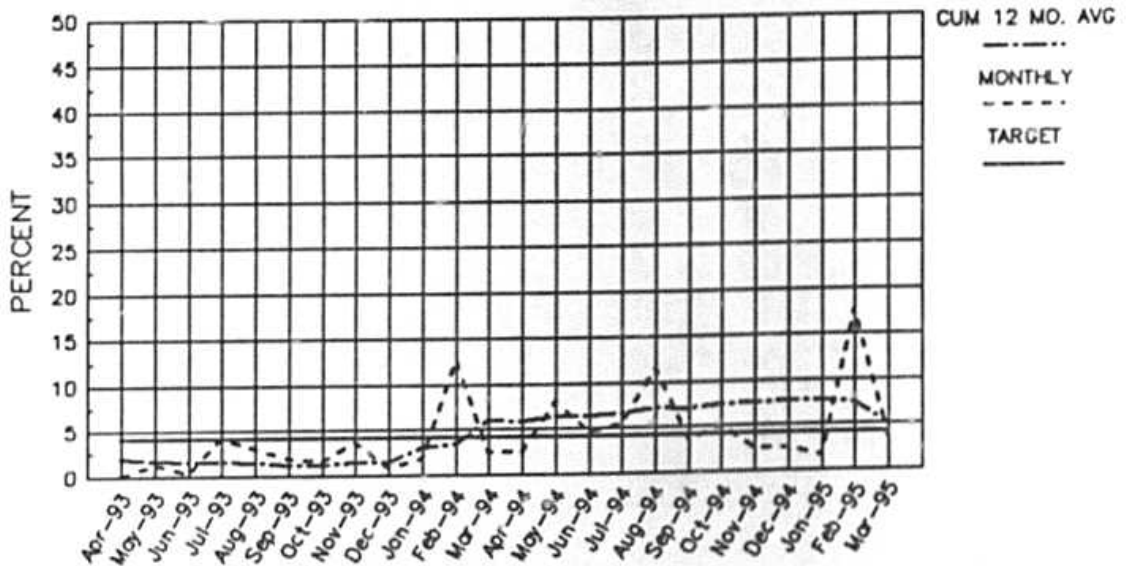
TAMPA ELECTRIC CO.
BIG BEND UNIT #3
EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



TAMPA ELECTRIC CO.
BIG BEND UNIT #4
EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



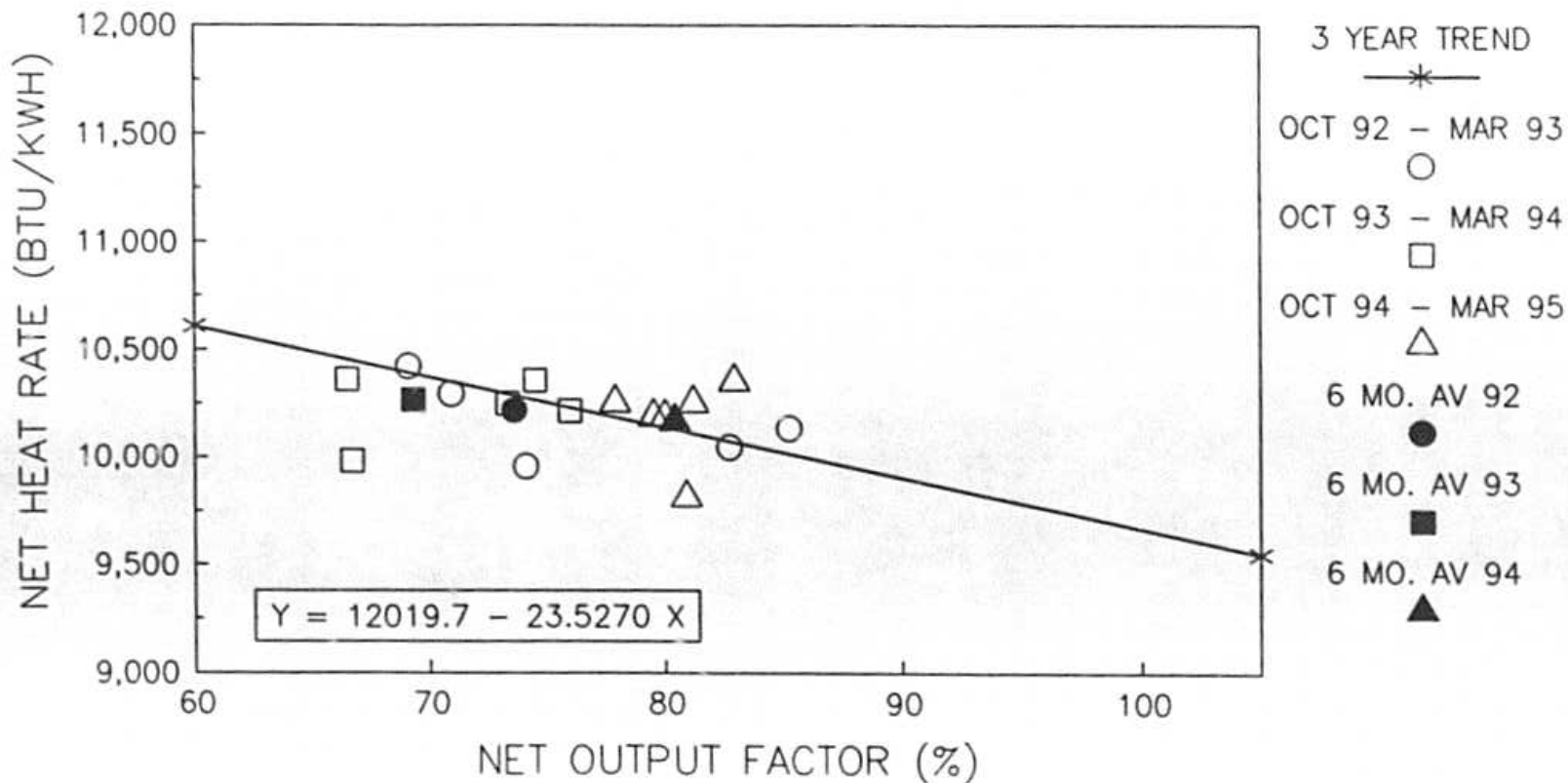
TAMPA ELECTRIC CO.
BIG BEND UNIT #4
EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



TAMPA ELECTRIC COMPANY

HEAT RATE VS. NET OUTPUT FACTOR

GANNON 5, WINTER 1995

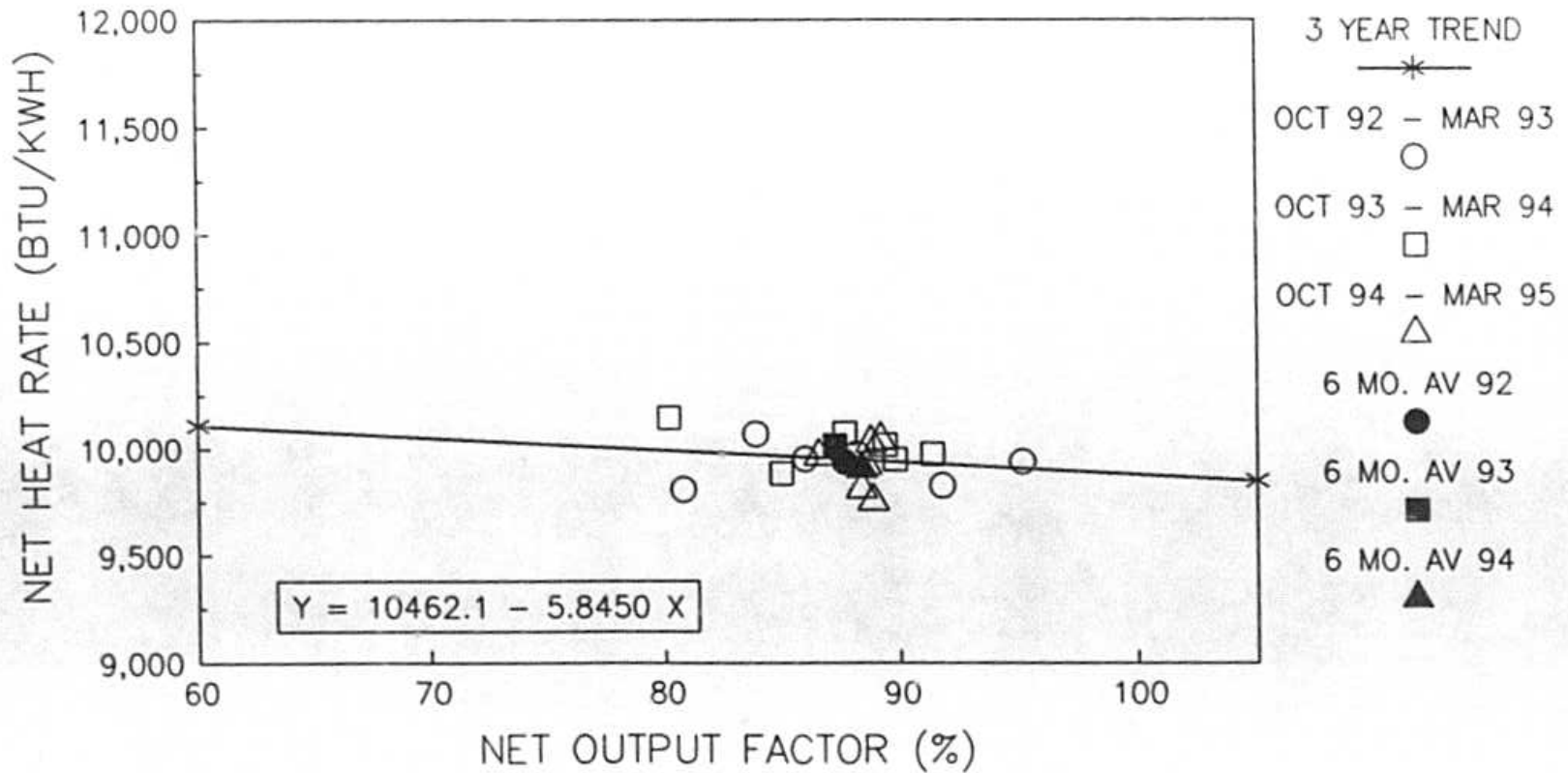


TARGET NET HEAT RATE: 10178
 TARGET NET OUTPUT FACTOR: 78.3

TAMPA ELECTRIC COMPANY

HEAT RATE VS. NET OUTPUT FACTOR

BIG BEND 1, WINTER 1995

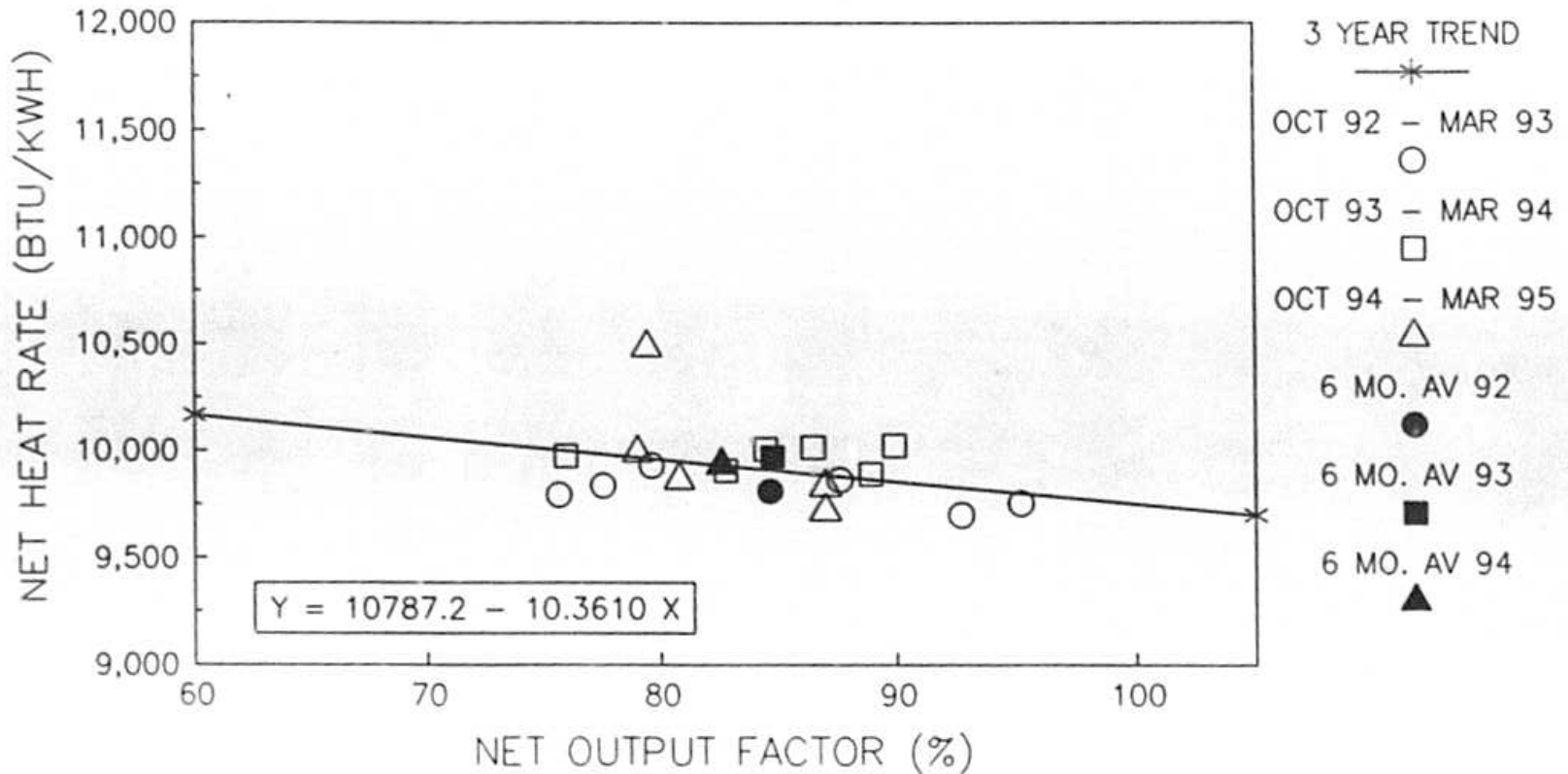


TARGET NET HEAT RATE: 9931
 TARGET NET OUTPUT FACTOR: 90.9

TAMPA ELECTRIC COMPANY

HEAT RATE VS. NET OUTPUT FACTOR

BIG BEND 2, WINTER 1995

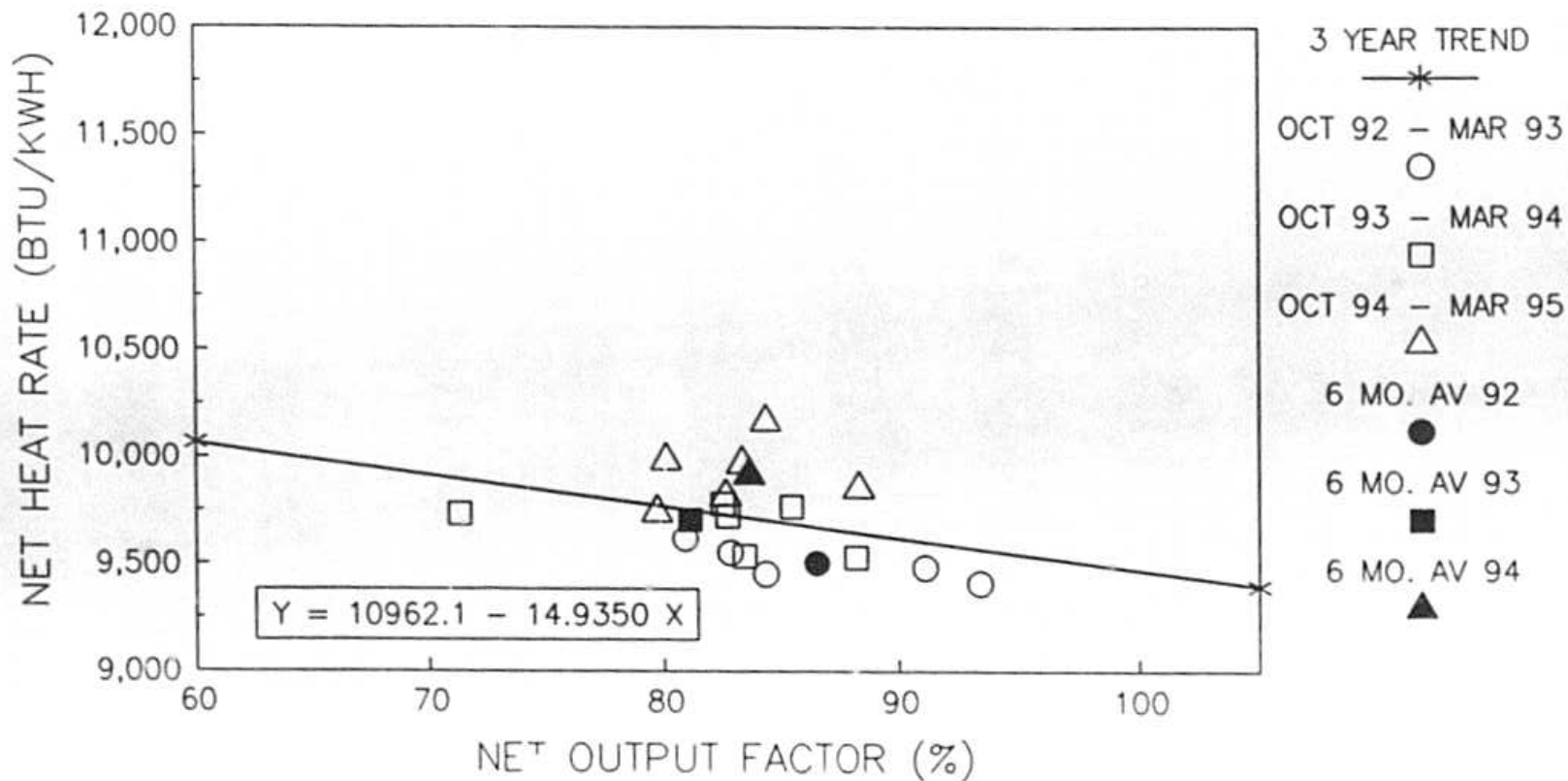


TARGET NET HEAT RATE: 9837
 TARGET NET OUTPUT FACTOR: 91.7

TAMPA ELECTRIC COMPANY

HEAT RATE VS. NET OUTPUT FACTOR

BIG BEND 3, WINTER 1995



TAMPA ELECTRIC COMPANY
TABLE 4.2
GENERATING UNITS IN GPIF
OCTOBER 1995 - MARCH 1995

<u>UNIT</u>	<u>MDC GROSS (MW)</u>	<u>NDC NET (MW)</u>
GANNON 5	245	232
GANNON 6	405	392
BIG BEND 1	445	431
BIG BEND 2	445	431
BIG BEND 3	455	439
BIG BEND 4	<u>475</u>	<u>447</u>
TOTAL	2470	2372
SYSTEM TOTAL	3545	3404
% OF SYSTEM TOTAL	69.68%	69.68%

**TAMPA ELECTRIC COMPANY
UNIT RATINGS
OCTOBER 1995 - MARCH 1996**

<u>UNIT</u>	<u>MDC GROSS (MW)</u>	<u>NDC NET (MW)</u>
HOOKERS POINT 1	35	34
HOOKERS POINT 2	35	34
HOOKERS POINT 3	35	34
HOOKERS POINT 4	45	43
HOOKERS POINT 5	<u>70</u>	<u>67</u>
HOOKERS TOTAL	220	212
GANNON 1	125	119
GANNON 2	125	119
GANNON 3	165	155
GANNON 4	200	189
GANNON 5	245	232
GANNON 6	<u>405</u>	<u>392</u>
GANNON TOTAL	1265	1206
BIG BEND 1	445	431
BIG BEND 2	445	431
BIG BEND 3	455	439
BIG BEND 4	<u>475</u>	<u>447</u>
BIG BEND TOTAL	1820	1748
GANNON C.T.	17	17
BIG BEND C.T. 1	17	17
BIG BEND C.T. 2	85	85
BIG BEND C.T. 3	<u>85</u>	<u>85</u>
C.T. TOTAL	204	204
PHILLIPS 1	18	17
PHILLIPS 2	<u>18</u>	<u>17</u>
SEBRING TOTAL	<u>36</u>	<u>34</u>
SYSTEM TOTAL	3545	3404

TAMPA ELECTRIC COMPANY
PERCENT GENERATION BY UNIT
OCTOBER 1995 - MARCH 1996

STATION	UNIT	NET OUTPUT MWH	% OF PROJECTED OUTPUT	% CUMULATIVE PROJECTED OUTPUT
BIG BEND	3	1608217	20.08%	20.08%
BIG BEND	1	1550114	19.35%	39.43%
BIG BEND	4	1544950	19.29%	58.72%
BIG BEND	2	1237302	15.45%	74.16%
GANNON	6	930805	11.62%	85.78%
GANNON	5	470495	5.87%	91.66%
GANNON	4	299184	3.74%	95.39%
GANNON	3	173195	2.16%	97.55%
GANNON	1	97251	1.21%	98.77%
GANNON	2	81060	1.01%	99.78%
HOOKERS POINT	5	3573	0.05%	99.82%
PHILLIPS	1	2861	0.04%	99.86%
HOOKERS POINT	4	2247	0.03%	99.89%
BIG BEND CT	2	1827	0.02%	99.91%
HOOKERS POINT	3	1531	0.02%	99.93%
BIG BEND CT	3	1350	0.02%	99.95%
HOOKERS POINT	1	1337	0.02%	99.96%
PHILLIPS	2	1300	0.02%	99.98%
HOOKERS POINT	2	1167	0.01%	99.99%
BIG BEND CT	1	201	0.00%	100.00%
GANNON CT		326	0.00%	100.00%
TOTAL GENERATION		8010293.0	100.00%	

GENERATION BY COAL UNITS: 7992573 MWH
 % GENERATION BY COAL UNITS: 99.78%

GENERATION BY OIL UNITS: 17720 MWH
 % GENERATION BY OIL UNITS: 0.22%

GENERATION BY GPIF UNITS: 7341833 MWH
 % GENERATION BY GPIF UNITS: 91.66%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
OCTOBER 1995 - MARCH 1996
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TAMPA ELECTRIC COMPANY
 ESTIMATED UNIT PERFORMANCE DATA
 OCTOBER 1995 - MARCH 1996

PLANT/UNIT BIG BEND 1	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	85.4	85.4	85.3	85.3	85.5	85.5	85.4
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	14.6	14.6	14.7	14.7	14.5	14.5	14.6
4. EUOR (%)	14.6	14.6	14.7	14.7	14.5	14.5	14.6
5. PH	745	720	744	744	696	744	4393
6. SH	670	648	670	670	627	671	3956
7. RSH	0	0	0	0	0	0	0
8. UH	75	72	74	74	69	73	437
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	80	77	80	80	74	79	470
11. MOH & EMOH	29	28	29	29	27	29	171
12. OPER BTU (GBTU)	2618.945	2443.759	2536.590	2632.048	2492.801	2669.712	15393.855
13. NET GEN (MWH)	261920	246416	256542	265496	251415	268325	1550114
14. ANOHR (BTU/KWH)	9999	9917	9888	9914	9915	9950	9931
15. NOF (%)	90.7	88.2	88.8	91.9	93.0	92.8	90.9
16. NSC (MW)	431	431	431	431	431	431	431

17. ANOHR EQUATION: $ANOHR = NOF (-5.8450) + 10462.1$

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**TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
OCTOBER 1995 - MARCH 1996**

PLANT/UNIT BIG BEND 2	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	86.3	48.9	78.0	86.3	86.2	22.4	67.9
2. POF (%)	0.0	43.3	9.7	0.0	0.0	74.2	21.3
3. EUOF (%)	13.7	7.8	12.4	13.7	13.8	3.4	10.8
4. EUOR (%)	13.7	13.7	13.7	13.7	13.8	13.0	13.7
5. PH	745	720	744	744	696	744	4393
6. SH	673	369	608	673	629	178	3130
7. RSH	0	0	0	0	0	0	0
8. UH	72	351	136	71	67	566	1263
9. POH	0	312	72	0	0	552	936
10. FOH & EFOH	82	45	74	82	77	20	380
11. MOH & EMOH	20	11	18	20	19	5	93
12. OPER BTU (GBTU)	2606.861	1408.613	2313.927	2632.882	2511.241	697.936	12171.460
13. NET GEN (MWH)	262679	143211	235527	268449	256330	71106	1237302
14. ANOHR (BTU/KWH)	9924	9836	9824	9808	9797	9815	9837
15. NOF (%)	90.6	90.0	89.9	92.5	94.6	92.7	91.7
16. NSC (MW)	431	431	431	431	431	431	431

17. ANOHR EQUATION: $ANOHR = NOF (-10.3610) + 10787.2$

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PLANT/UNIT BIG BEND 3	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	87.4	87.5	87.5	87.5	73.6	100.0	87.4
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	12.6	12.5	12.5	12.5	26.4	0.0	12.6
4. EUOR (%)	12.6	12.5	12.5	12.5	26.4	0.0	12.6
5. PH	745	720	744	744	696	744	4393
6. SH	678	656	670	678	634	0	4003
7. RSH	0	0	0	0	0	0	0
8. UH	67	64	66	66	62	744	390
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	66	63	65	65	128	0	387
11. MOH & EMOH	28	27	28	28	56	0	167
12. OPER BTU (GBTU)	2675.931	2505.733	2575.939	2554.807	2463.550	2655.762	15431.722
13. NET GEN (MWH)	2767.7	261402	269052	266617	257314	277105	1608217
14. ANOHR (BTU/KWH)	9670	9586	9574	9582	9574	9584	9596
15. NOF (%)	93.0	90.8	90.4	89.6	92.5	0.0	91.5
16. NSC (MW)	439	439	439	439	439	439	439
17. ANOHR EQUATION:	$ANOHR = NOF (-14.9350) + 10962.1$						

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TAMPA ELECTRIC COMPANY
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PLANT/UNIT BIG BEND 4	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	90.9	90.8	90.9	90.9	40.8	90.6	82.0
2. POF (%)	0.0	0.0	0.0	0.0	55.2	0.0	8.7
3. EUOF (%)	9.1	9.2	9.1	9.1	4.0	9.4	8.4
4. EUOR (%)	9.1	9.2	9.1	9.1	9.0	9.4	9.2
5. PH	745	720	744	744	696	744	4393
6. SH	704	681	704	704	296	704	3793
7. RSH	0	0	0	0	0	0	0
8. UH	41	39	40	40	400	40	600
9. POH	0	0	0	0	384	0	384
10. FOH & EFOH	34	33	34	34	14	35	184
11. MOH & EMOH	34	33	34	34	14	35	184
12. OPER BTU (GBTU)	2877.907	2732.186	2831.492	2849.260	1223.726	2917.273	15431.844
13. NET GEN (MWH)	286654	273517	284019	285667	122826	292267	1544950
14. ANOHR (BTU/KWH)	100.3	9989	9969	9974	9963	9982	9989
15. NOF (%)	91.1	89.9	90.3	90.8	92.8	92.9	91.1
16. NSC (MW)	447	447	447	447	447	447	447

17. ANOHR EQUATION: $ANOHR = NOF (-8.0541) + 10722.3$

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TAMPA ELECTRIC COMPANY
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PLANT/UNIT GANNON 1	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	87.2	97.9	98.0	98.7	97.1	97.8	96.1
2. POF (%)	9.7	0.0	0.0	0.0	0.0	0.0	1.6
3. EUOF (%)	3.1	2.1	2.0	1.3	2.9	2.2	2.3
4. EUOR (%)	8.8	9.0	9.0	9.0	8.4	8.6	8.8
5. PH	745	720	744	744	696	744	4393
6. SH	244	156	156	103	223	175	1057
7. RSH	412	553	577	633	458	557	3190
8. UH	89	11	11	8	15	12	146
9. POH	72	0	0	0	0	0	72
10. FOH & EFOH	17	11	11	7	15	12	73
11. MOH & EMOH	6	4	4	3	5	4	26
12. OPER BTU (GBTU)	268.962	156.803	159.175	101.781	233.449	173.332	1093.522
13. NET GEN (MWH)	23860	13947	14165	9062	20795	15422	97251
14. ANOHR (BTU/KWH)	11273	11243	11237	11232	11226	11230	11244
15. NOF (%)	82.2	75.1	76.3	73.9	76.4	74.1	77.3
16. NSC (MW)	119	119	119	119	119	119	119

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PLANT/UNIT GANNON 2	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	96.0	97.8	97.8	98.5	96.4	97.7	97.4
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	4.0	2.2	2.2	1.5	3.6	2.3	2.6
4. EUOR (%)	12.3	12.2	12.2	12.9	12.5	12.5	12.4
5. PH	745	720	744	744	696	744	4393
6. SH	226	122	122	79	186	126	861
7. RSH	502	589	613	659	496	608	3467
8. UH	17	9	9	6	14	10	65
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	19	10	10	7	16	11	73
11. MOH & EMOH	11	6	6	4	6	6	42
12. OPER BTU (GBTU)	253,187	127,429	128,644	81,416	198,642	132,285	921,603
13. NET GEN (MWH)	21864	11238	11414	7221	17655	11668	81060
14. ANOHR (BTU/KWH)	115.0	11339	11271	11275	11251	11337	11369
15. NOF (%)	81.3	77.4	78.6	76.8	79.8	77.8	79.1
16. NSC (MW)	119	119	119	119	119	119	119

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PLANT/UNIT GANNON 3	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	95.7	97.2	97.2	98.1	96.3	90.7	95.8
2. POF (%)	0.0	0.0	0.0	0.0	0.0	6.5	1.1
3. EUOF (%)	4.3	2.8	2.8	1.9	3.7	2.8	3.1
4. EUOR (%)	8.7	8.7	8.9	8.8	8.6	8.8	8.8
5. PH	745	720	744	744	696	744	4393
6. SH	349	218	225	151	289	227	1459
7. RSH	379	491	508	585	393	458	2814
8. UH	17	11	11	8	14	59	120
9. POH	0	0	0	0	0	48	48
10. FOH & EFOH	26	16	17	11	21	17	108
11. MOH & EMOH	6	4	4	3	5	4	26
12. OPER BTU (GBTU)	488.045	280.670	285.068	189.224	384.980	290.647	1918.634
13. NET GEN (MWH)	43502	25347	25888	17174	35037	26247	173195
14. ANOHR (BTU/KWH)	11219	11073	11012	11018	10988	11074	11078
15. NOF (%)	80.4	75.0	74.2	73.4	78.2	74.6	76.6
16. NSC (MW)	155	155	155	155	155	155	155

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PLANT/UNIT GANNON 4	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	91.7	92.5	93.0	96.1	92.8	93.5	93.3
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	8.3	7.5	7.0	3.9	7.2	6.5	6.7
4. EUOR (%)	12.4	12.4	12.5	12.2	12.3	12.5	12.4
5. PH	745	730	744	744	696	744	4393
6. SH	435	383	364	209	355	336	2082
7. RSH	247	283	327	506	291	359	2013
8. UH	63	54	53	29	50	49	298
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	49	43	41	23	40	38	234
11. MOH & EMOH	13	11	11	6	10	10	61
12. OPER BTU (GBTU)	759.125	550.869	534.726	297.635	549.074	497.624	3189.053
13. NET GEN (MWH)	70994	51370	50087	28071	51925	46737	299184
14. ANOHR (BTU/KWH)	10193	10724	10676	10603	10574	10647	10659
15. NOF (%)	66.4	71.0	72.8	71.1	77.4	73.6	76.0
16. NSC (MW)	189	189	189	189	189	189	189

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PLANT/UNIT GANNON 5	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	8.7	38.5	88.8	88.8	67.4	88.6	63.6
2. POF (%)	90.2	56.7	0.0	0.0	24.1	0.0	28.4
3. EUOF (%)	1.1	4.9	11.2	11.2	8.5	11.4	8.0
4. EUOR (%)	11.0	11.2	11.2	11.2	11.2	11.4	11.2
5. PH	745	720	744	744	696	744	4393
6. SH	61	251	602	586	452	638	2590
7. RSH	0	0	0	0	0	0	0
8. UH	684	469	142	158	244	106	1803
9. POH	672	408	0	0	168	0	1248
10. FOH & EFOH	7	31	74	74	53	76	315
11. MOH & EMOH	1	4	9	9	6	9	38
12. OPER BTU (GBTU)	115.948	455.812	1115.242	1009.213	867.357	1224.908	4788.480
13. NET GEN (MWH)	11236	44649	109796	98806	85486	120522	470495
14. ANOHR (BTU/KWH)	10319	10209	10157	10214	10146	10163	10178
15. NOF (%)	79.4	76.7	78.6	72.7	81.5	81.4	78.3
16. NSC (MW)	232	232	232	232	232	232	232

17. ANOHR EQUATION: $ANOHR = NOF (-23.5270) + 12019.7$

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PLANT/UNIT GANNON 6	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	85.1	85.1	66.0	85.1	85.2	84.8	81.9
2. POF (%)	0.0	0.0	22.6	0.0	0.0	0.0	3.8
3. EUOF (%)	14.9	14.9	11.4	14.9	14.8	15.2	14.3
4. EUOR (%)	14.9	14.9	14.8	14.9	14.8	15.2	14.9
5. PH	745	720	744	744	696	744	4393
6. SH	612	576	447	555	557	611	3358
7. RSH	0	0	0	0	0	0	0
8. UH	133	144	297	189	139	133	1035
9. POH	0	0	168	0	0	0	168
10. FOH & EFOH	92	89	71	92	86	94	524
11. MOH & EMOH	19	18	14	19	17	19	106
12. OPER BTU (GBTU)	1856.603	1610.817	1264.583	1369.288	1720.212	1810.481	9631.984
13. NET GEN (MWH)	178599	155665	122491	131093	167459	175498	930805
14. ANOHR (BTU/KWH)	10395	10348	10324	10445	10272	10316	10348
15. NOF (%)	74.4	68.9	69.9	60.3	76.7	73.3	70.7
16. NSC (MW)	392	392	392	392	392	392	392

17. ANOHR EQUATION: ANOHR = NOF (-3.0507) + 10563.7

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PLANT/UNIT HOOKERS POINT 1	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	99.3	99.9	100.0	99.9	99.9	100.0	99.8
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	0.7	0.1	0.0	0.1	0.1	0.0	0.2
4. EUOR (%)	15.2	20.0	0.0	25.0	20.0	0.0	16.0
5. PH	745	720	744	744	698	744	4393
6. SH	28	4	1	3	4	2	42
7. RSH	712	715	743	740	691	742	4343
8. UH	5	1	0	1	1	0	8
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	5	1	0	1	1	0	8
11. MOH & EMOH	0	0	0	0	0	0	0
12. OPER BTU (GBTU)	14.521	2.256	0.491	1.717	1.891	1.122	21.998
13. NET GEN (MWH)	877	138	30	106	117	69	1337
14. ANOHR (BTU/KWH)	16558	16348	16367	16198	16162	16261	16453
15. NOF (%)	92.1	101.5	88.2	103.9	86.0	101.5	93.6
16. NSC (MW)	34	34	34	34	34	34	34

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PLANT/UNIT HOOKERS POINT 2	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	99.9	100.0	100.0	100.0	100.0	100.0	100.0
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4. EUOR (%)	4.0	0.0	0.0	0.0	0.0	0.0	2.6
5. PH	745	720	744	744	696	744	4393
6. SH	24	4	1	3	3	2	37
7. RSH	720	716	743	741	693	742	4355
8. UH	1	0	0	0	0	0	1
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	1	0	0	0	0	0	1
11. MOH & EMOH	0	0	0	0	0	0	0
12. OPER BTU (GBTU)	12.815	1.932	0.419	1.582	1.687	0.935	19.370
13. NET GEN (MWH)	769	117	26	96	103	56	1167
14. ANOHR (BTU/KWH)	16664	16513	16115	16479	16379	16696	16598
15. NOF (%)	94.2	86.0	76.5	94.1	101.0	82.4	92.8
16. NSC (MW)	34	34	34	34	34	34	34

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PLANT/UNIT HOOKERS POINT 3	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	99.9	100.0	100.0	100.0	100.0	100.0	100.0
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4. EUOR (%)	3.1	0.0	0.0	0.0	0.0	0.0	2.0
5. PH	745	720	744	744	698	744	4393
6. SH	31	5	1	4	4	3	48
7. RSH	713	715	743	740	692	741	4344
8. UH	1	0	0	0	0	0	1
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	1	0	0	0	0	0	1
11. MOH & EMOH	0	0	0	0	0	0	0
12. OPER BTU (GBTU)	16.167	2.629	0.579	1.877	2.136	1.341	24.729
13. NET GEN (MWH)	996	164	36	118	134	83	1531
14. ANOHR (BTU/KWH)	16232	16030	16083	15907	15940	16157	16152
15. NOF (%)	94.5	96.5	105.9	86.8	98.5	81.4	93.8
16. NSC (MW)	34	34	34	34	34	34	34

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PLANT/UNIT HOOKERS POINT 4	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	99.6	100.0	100.0	100.0	100.0	100.0	99.9
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	0.4	0.0	0.0	0.0	0.0	0.0	0.1
4. EUOR (%)	7.5	0.0	0.0	0.0	0.0	0.0	5.1
5. PH	745	720	744	744	672	744	4369
6. SH	37	6	1	4	5	3	56
7. RSH	705	714	743	740	667	741	4310
8. UH	3	0	0	0	0	0	3
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	2	0	0	0	0	0	2
11. MOH & EMOH	1	0	0	0	0	0	1
12. OPER BTU (GBTU)	22.714	3.841	0.846	2.531	2.981	2.010	34.923
13. NET GEN (MWH)	1449	250	55	166	196	131	2247
14. ANOHR (BTU/KWH)	15676	15364	15382	15247	15209	15344	15542
15. NOF (%)	91.1	96.9	127.9	96.5	91.2	101.6	93.3
16. NSC (MW)	43	43	43	43	43	43	43

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PLANT/UNIT HOOKERS POINT 5	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	98.7	99.9	100.0	99.9	99.9	99.9	99.7
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	1.3	0.1	0.0	0.1	0.1	0.1	0.3
4. EUOR (%)	22.4	13.2	0.0	21.8	17.9	21.8	20.3
5. PH	745	720	744	744	672	744	4369
6. SH	38	7	2	4	5	4	60
7. RSH	700	712	742	739	666	739	4300
8. UH	7	1	0	1	1	1	9
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	8	1	0	1	1	1	12
11. MOH & EMOH	2	0	0	0	0	0	2
12. OPER BTU (GBTU)	34.131	6.283	1.463	3.873	4.724	3.481	53.955
13. NET GEN (MWH)	2248	419	98	260	317	231	3573
14. ANOHR (BTU/KWH)	15183	14995	14929	14898	14902	15069	15101
15. NOF (%)	88.3	89.3	73.1	97.0	94.6	86.2	88.9
16. NSC (MW)	67	67	67	67	67	67	67

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PLANT/UNIT GANNON CT 1	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	99.6	100.0	100.0	100.0	100.0	100.0	99.9
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	0.4	0.0	0.0	0.0	0.0	0.0	0.1
4. EUOR (%)	27.3	0.0	0.0	0.0	0.0	0.0	21.1
5. PH	745	720	744	744	696	744	4393
6. SH	8	1	0	1	1	0	11
7. RSH	734	719	744	743	695	744	4379
8. UH	3	0	0	0	0	0	3
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	2	0	0	0	0	0	2
11. MOH & EMOH	1	0	0	0	0	0	1
12. OPER BTU (GBTU)	2.622	0.318	0.069	0.427	0.389	0.137	3.962
13. NET GEN (MWH)	133	16	3	22	20	7	201
14. ANOHR (BTU/KWH)	19714	19675	23000	19409	19450	19571	19711
15. NOF (%)	9.8	94.1	176.5	129.4	117.6	411.8	105.6
16. NSC (MW)	17	17	17	17	17	17	17

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**TAMPA ELECTRIC COMPANY
 ESTIMATED UNIT PERFORMANCE DATA
 OCTOBER 1995 - MARCH 1996**

PLANT/UNIT BIG BEND CT 1	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	99.6	99.4	100.0	99.9	50.0	100.0	92.1
2. POF (%)	0.0	0.0	0.0	0.0	50.0	0.0	7.7
3. EUOF (%)	0.4	0.6	0.0	0.1	0.0	0.0	0.2
4. EUOR (%)	30.0	30.8	0.0	33.3	0.0	0.0	28.6
5. PH	745	720	744	744	672	744	4369
6. SH	7	9	0	2	1	1	20
7. RSH	735	707	744	741	335	743	4005
8. UH	3	4	0	1	336	0	344
9. POH	0	0	0	0	336	0	336
10. FOH & EFOH	2	2	0	1	0	0	5
11. MOH & EMOH	1	2	0	0	0	0	3
12. OPER BTU (GBTU)	1.934	2.853	0.136	0.619	0.237	0.454	6.233
13. NET GEN (MWH)	101	150	7	32	12	24	326
14. ANOHR (BTU/KWH)	19149	19020	19429	19344	19750	18917	19120
15. NOF (%)	84.9	98.0	411764.7	94.1	70.6	141.2	95.9
16. NSC (MW)	17	17	17	17	17	17	17

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
OCTOBER 1995 - MARCH 1996

PLANT/UNIT BIG BEND CT 2	MONTH OF	MONTH OF	MONTH OF	MONTH OF	MONTH OF	MONTH OF:	MONTH OF:	PERIOD
	OCT 95	NOV 95	DEC 95	JAN 96	FEB 96	MAR 96	MAR 96	WINTER 1995
1. EAF (%)	99.2	100.0	100.0	100.0	100.0	100.0	100.0	99.9
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4. EUOR (%)	26.1	0.0	0.0	0.0	0.0	0.0	0.0	19.4
5. PH	745	720	744	744	696	744	744	4393
6. SH	17	2	1	2	2	1	1	25
7. RSH	722	718	743	742	694	743	743	4362
8. UH	6	0	0	0	0	0	0	6
9. POH	0	0	0	0	0	0	0	0
10. FOH & EFOH	3	0	0	0	0	0	0	3
11. MOH & EMOH	3	0	0	0	0	0	0	3
12. OPER BTU (GBTU)	18.651	2.468	0.632	2.761	2.789	1.279	1.279	28.580
13. NET GEN (MWH)	1192	157	40	178	179	81	81	1827
14. ANOHR (BTU/KWH)	15647	15720	15800	15511	15581	15790	15790	15643
15. NOF (%)	82.5	92.4	47.1	104.7	105.3	95.3	95.3	86.0
16. NSC (MW)	85	85	85	85	85	85	85	85

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PLANT/UNIT BIG BEND CT 3	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	99.5	100.0	100.0	100.0	100.0	100.0	99.9
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	0.5	0.0	0.0	0.0	0.0	0.0	0.1
4. EUOR (%)	25.0	0.0	0.0	0.0	0.0	0.0	17.3
5. PH	745	720	744	744	696	744	4393
6. SH	12	2	0	2	2	1	19
7. RSH	729	718	744	742	694	743	4370
8. UH	4	0	0	0	0	0	4
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	2	0	0	0	0	0	2
11. MOH & EMOH	2	0	0	0	0	0	2
12. OPER BTU (GBTU)	13.722	1.744	0.434	2.229	2.148	0.848	21.125
13. NET GEN (MWH)	876	111	28	143	138	54	1350
14. ANOHR (BTU/KWH)	15664	15712	15500	15587	15565	15704	15648
15. NOF (%)	85.9	65.3	329.4	84.1	81.2	63.5	83.2
16. NSC (MW)	85	85	85	85	85	85	85

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PLANT/UNIT PHILLIPS 1	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	98.3	99.6	100.0	99.7	99.7	99.7	99.5
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	1.7	0.4	0.0	0.3	0.3	0.3	0.5
4. EUOR (%)	18.3	18.8	0.0	22.2	18.7	18.2	18.0
5. PH	745	720	744	744	672	744	4369
6. SH	58	13	3	7	10	9	100
7. RSH	674	704	741	735	660	733	4247
8. UH	13	3	0	2	2	2	22
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	4	1	0	1	1	1	8
11. MOH & EMOH	9	2	0	1	1	1	14
12. OPER BTU (GBTU)	16,696	3,462	0,863	2,018	2,595	2,125	27,759
13. NET GEN (MWH)	1705	362	90	208	271	225	2861
14. ANOHR (BTU/KWH)	9792	9564	9589	9702	9576	9444	9703
15. NOF (%)	163.3	154.7	166.7	165.1	150.6	138.9	158.9
16. NSC (MW)	18	18	18	18	18	18	18

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 ESTIMATED UNIT PERFORMANCE DATA
 OCTOBER 1995 - MARCH 1996

PLANT/UNIT PHILLIPS 2	MONTH OF: OCT 95	MONTH OF: NOV 95	MONTH OF: DEC 95	MONTH OF: JAN 96	MONTH OF: FEB 96	MONTH OF: MAR 96	PERIOD WINTER 1995
1. EAF (%)	25.5	82.9	100.0	99.7	99.7	99.7	84.3
2. POF (%)	74.1	16.7	0.0	0.0	0.0	0.0	15.4
3. EUOF (%)	0.4	0.4	0.0	0.3	0.3	0.3	0.3
4. EUOR (%)	20.0	21.4	0.0	22.2	18.2	20.0	19.4
5. PH	745	720	744	744	672	744	4369
6. SH	12	11	9	7	9	8	50
7. RSH	178	586	741	735	661	734	3635
8. UH	555	123	0	2	2	2	684
9. POH	552	120	0	0	0	0	672
10. FOH & EFOH	1	1	0	1	1	1	5
11. MOH & EMOH	2	2	0	1	1	1	7
12. OPER BTU (GBTU)	3,387	2,522	0,733	1,845	2,321	1,796	12,604
13. NET GEN (MWH)	342	263	77	188	240	190	1300
14. ANOHR (BTU/KWH)	9904	9589	9519	9814	9671	9453	9695
15. NOF (%)	158.3	132.8	142.6	149.2	148.1	131.9	144.4
16. NSC (MW)	18	18	18	18	18	18	18

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