

Ausley, McMullen, McGehee, Carothers & Proctor

Attorneys at Law

Washington Square Building

227 S. Calhoun Street - 32301

P. O. Box 391 - 32302

Tallahassee, Florida

Telephone 904 224-9115

Telecopier 904 222-7560 Main Building

Telecopier 904 222-7139 Real Estate

Telecopier 904 222-7952 Utilities

January 18, 1994

HAND DELIVERED

Charles S. Ausley (1907-1972)  
John C. Ausley (1912-1980)  
D. Fred McMullen (1904-1980)  
Gerald T. Hart (1948-1991)  
DuBoise Ausley  
Margaret B. Ausley  
James D. Beasley  
Michael P. Brygers  
C. Graham Carothers  
Kevin J. Carroll  
Robert N. Clarke, Jr.  
J. Marshall Conrod  
Timothy B. Elliott  
Stephen C. Emmanuel  
John P. Fons  
Van P. Gaeker  
Michael J. Glazer  
Celia A. Green

Jenn Johnson Hart  
Kenneth R. Hart  
David J. Hull  
E. Martin McGehee (Retired)  
Carolyn D. Olive  
R. Stan Peeler  
Robert A. Pierce  
H. Palmer Proctor  
M. Julian Proctor, Jr.  
Steven P. Seymas  
William M. Smith  
Deborah J. Stephens  
James Harold Thompson  
J. Jeffrey Wahlen  
Emily S. Waugh  
C. Gary Williams  
Lee L. Willis

Mr. Steve C. Tribble, Director  
Division of Records and Reporting  
Florida Public Service Commission  
101 East Gaines Street  
Tallahassee, Florida 32399-0850

Re: Fuel and Purchased Power Cost Recovery Clause  
with Generating Performance Incentive Factor;  
FPSC Docket No. 940001-EI

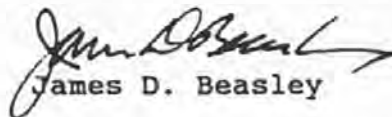
Dear Mr. Tribble:

Enclosed for filing in the above docket, on behalf of Tampa Electric Company, are fifteen (15) copies of Prepared Direct Testimony and Exhibits (GAK-2) and (GAK-3) of Mr. George A. Keselowsky regarding Tampa Electric's Generating Performance Incentive Factor for the period April 1994 through September 1994.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this letter and returning same to this writer.

Thank you for your assistance in connection with this matter.

Sincerely,

  
James D. Beasley

JDB/pp  
encls.

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

DOCUMENT NUMBER-DATE  
00520 JAN 18 94  
FPSC-RECORDS/REPORTING

Mr. Steve C. Tribble  
January 18, 1994  
Page 2

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 on this 18<sup>th</sup> day of January, 1994 to the following:

Ms. Martha C. Brown\*  
Staff Counsel  
Division of Legal Services  
Florida Public Service Commission  
101 East Gaines Street  
Tallahassee, FL 32399-0863

Mr. James A. McGee  
Senior Counsel  
Florida Power Corporation  
Post Office Box 14042  
St. Petersburg, FL 33733

Mr. Joseph A. McGlothlin  
Ms. Vicki Gordon Kaufman  
McWhirter, Reeves, McGlothlin  
Davidson & Bakas  
315 South Calhoun St., Suite 716  
Tallahassee, FL 32301

Mr. Jack Shreve  
Office of Public Counsel  
Room 812  
111 West Madison Street  
Tallahassee, FL 32399-1400

Mr. Matthew M. Childs  
Steel Hector & Davis  
601 First Florida Bank Building  
Tallahassee, FL 32301

Mr. John W. McWhirter  
McWhirter, Reeves, McGlothlin  
Davidson & Bakas  
Post Office Box 3350  
Tampa, FL 33601-3350

Mr. Robert Goldman  
Messer, Vickers, Caparello,  
Madsen, Lewis, Goldman & Metz  
Post Office Box 1876  
Tallahassee, FL 32301-1876

Mr. B. Kenneth Gatlin  
Gatlin, Woods, Carlson & Cowdery  
1709-D Mahan Drive  
Tallahassee, FL 32308

Mr. Jeffrey Stone  
Beggs & Lane  
Post Office Box 12950  
Pensacola, FL 32576

Mr. Richard A. Zambo  
Richard A. Zambo, P.A.  
598 S.W. Hidden River Avenue  
Palm City, FL 34990

Mr. Earle H. O'Donnell  
Ms. Zori G. Ferkin  
Dewey Ballantine  
1775 Pennsylvania Avenue, N.W.  
Washington, D. C. 20006-4605

Mr. David M. Kleppinger  
Post Office Box 1166  
Harrisburg, PA 17108-1166

Ms. Suzanne Brownless  
Suzanne Brownless, P.A.  
1546 Blair Stone Pines Drive  
Tallahassee, FL 32301

  
\_\_\_\_\_  
ATTORNEY

\*By hand delivery

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

DOCKET NO. ~~940001-EI~~  
TAMPA ELECTRIC COMPANY  
SUBMITTED FOR FILING 1/18/94  
(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" April 1994  
17 - September 1994, consisting of 35 pages filed with the Commission on January  
18 18, 1994. (Have identified as Exhibit GAK-2). The data prepared within this  
19 exhibit is consistent with the GPIF Implementation Manual previously approved  
20 by this Commission.

21

22 Q. Which generating units on Tampa Electric Company's system are included in the  
23 determination of your GPIF?

24

25 A. Six of our coal-fired units are included. These are: Gannon Station Units 5 and

1 | 6; and Big Bend Station Units 1, 2, 3, and 4.

2 |

3 | Q. Will you describe how Tampa Electric Company evolved the various factors  
4 | associated with the GPIF as ordered by this Commission?

5 |

6 | A. Yes. First, the two factors to be used, as set forth by the Commission Staff, are  
7 | unit availability and station heat rate.

8 |

9 | Q. Please continue.

10 |

11 | A. A target was established for equivalent availability for each unit considered for  
12 | this period. Heat rate targets were also established for each unit. A range of  
13 | potential improvement and degradation was determined for each of these  
14 | parameters.

15 |

16 | Q. Would you describe how the target values for unit availability were determined?

17 |

18 | A. Yes I will. The Planned Outage Factor (POF) and the Equivalent Unplanned  
19 | Outage Factor (EUOF) were subtracted from 100% to determine the target  
20 | equivalent availability. The factors for each of the 6 units included within the  
21 | GPIF are shown on page 5 of my exhibit. For example, the projected EUOF for  
22 | Gannon Unit Five is 12.9%. The Planned Outage Factor for this same unit

23 |

24 |

25 |

1 during this period is 4.4%. Therefore, the target equivalent availability for this  
2 unit equals:

3  
4 
$$100\% - [(12.9\% + 4.4\%)] = 82.7\%$$

5  
6 This is shown on page 4, column 3 of my exhibit.

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

9  
10 A. Maximum equivalent availability is arrived at using the following formula.

11 Equivalent Availability Maximum

12 
$$EAF_{MAX} = 100\% - [0.8 (EUOF_T) + 0.95 (POF_T)]$$

13  
14 The factors included in the above equations are the same factors that determine  
15 target equivalent availability. To attain the maximum incentive points, a 20%  
16 reduction in Forced Outage and Maintenance Outage Factors (EUOF), plus a 5%  
17 reduction in the Planned Outage Factor (POF) will be necessary. Continuing with  
18 our example on Gannon Unit Five:

19  
20 
$$EAF_{MAX} = 100\% - [0.8 (12.9\%) + 0.95 (4.4\%)] = 85.5\%$$

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

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 Five,

15

16 
$$EAF_{MIN} = 100\% - [1.4 (12.9\%) + 1.1 (4.4\%)] = 77.1\%$$

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 outage greater than two weeks which

1 affects GPIF is included in my exhibit. For example, Big Bend Unit 1 is  
2 scheduled for a major unit inspection from April 9 to June 3, 1994. There are  
3 1344 planned outage hours scheduled for the summer 1994 period, and a total of  
4 4391 hours during this 6 month period. Consequently, the Planned Outage Factor  
5 for Unit 2 at Big Bend is  $1344/4391 \times 100\%$  or 30.6%. This factor is shown on  
6 pages 5 and 15 of my exhibit. Big Bend Units 2, 3 and 4, as well as Gannon  
7 Unit 6 have planned outage factors of zero. Gannon Unit 5 has a planned outage  
8 factor of 4.4%.

9  
10 Q. How did you arrive at the Forced Outage and Maintenance Outage Factors on  
11 each unit?

12  
13 A. Graphs of both of these factors (adjusted for planned outages) vs. time are  
14 prepared. Both monthly data and 12 month moving average data are recorded.  
15 For each unit the most current, September 1993, 12 month ending value was used  
16 as a basis for the projection. This value was adjusted up or down by analyzing  
17 trends and causes for recent forced and maintenance outages. All projected  
18 factors are based upon historical unit performance, engineering judgment, time  
19 since last planned outage, and equipment performance resulting in a forced or  
20 maintenance outage. These target factors are additive and result in a EUOF of  
21 12.9% for Gannon Unit Five. The Equivalent Unplanned Outage Factor (EUOF)



1 for Gannon Unit Five is verified by the data shown on page 13, lines 3, 5, 10 and  
2 11 of my exhibit and calculated using the formula:

3  
4 
$$\text{EUOF} = \frac{(\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH})}{\text{Period Hours}} \times 100$$

5  
6 or

7 
$$\text{EUOF} = \frac{(462 + 105)}{4391} \times 100 = 12.9\%$$

8  
9 Relative to Gannon Unit Five, the EUOF of 12.9% forms the basis of our  
10 Equivalent Availability target development as shown on sheets 4 and 5 of my  
11 exhibit.

12  
13 Q. Please continue with your review of the remaining units.

14  
15 Big Bend Unit One

16 A. The projected EUOF for this unit is 10.8% during this period. This unit will  
17 have a planned outage this period and the Planned Outage Factor is 30.6%. This  
18 results in a target equivalent availability of 58.6% for the period.

19  
20 Big Bend Unit Two

21 The projected EUOF for this unit is 12.4%. This unit will not have a planned  
22 outage during this period and the Planned Outage Factor is 0.0%. Therefore, the  
23 target equivalent availability for this unit is 87.6%.

24

25

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

Big Bend Unit Three

The projected EUOF for this unit is 16.5% during this period. This unit will not have a planned outage this period and the Planned Outage Factor is 0.0%. Therefore, the target equivalent availability for this unit is 83.5%.

Big Bend Unit Four

The projected EUOF for this unit is 11.9%. This unit will not have a planned outage during this period and the Planned Outage Factor is 0.0%. This results in a target equivalent availability of 88.1% for the period.

Gannon Unit Five

The projected EUOF for this unit is 12.9%. This unit will have a planned outage during this period and the Planned Outage Factor is 4.4%. Therefore, the target equivalent availability for this unit is 82.7%.

Gannon Unit Six

The projected EUOF for this unit is 16.9%. This unit will not have a planned outage during this period and the Planned Outage Factor is 0.0%. Therefore, the target equivalent availability for this unit is 83.1%.

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

1 | Availability Factor (EAF) equals 80.4%. This target compares very favorably to  
2 | previous GPIF periods. It exceeds three of the five previous periods, and is in  
3 | fact, better than or equal to four of the five previous periods. It also exceeds the  
4 | five period average EAF. These targets represent an outstanding level of  
5 | performance for our system.  
6 |

7 | Q. As you graph and monitor Forced and Maintenance Outage Factors, why are they  
8 | adjusted for planned outage hours?  
9 |

10 | A. This adjustment makes these factors more accurate and comparable. Obviously,  
11 | a unit in a planned outage stage or reserve shutdown stage will not incur a forced  
12 | or maintenance outage. Since our units are usually base loaded, reserve shutdown  
13 | is generally not a factor. To demonstrate the effects of a planned outage, note the  
14 | EUOR and EUOF for Gannon Unit Five on page 13. During the months of May  
15 | through September, EUOF and EUOR are equal. This is due to the fact that no  
16 | planned outages are scheduled during these months. During the month of April,  
17 | EUOR exceeds EUOF. The reason for this difference is the scheduling of a  
18 | planned outage. The adjusted factors apply to the period hours after planned  
19 | outage hours have been extracted.  
20 |

21 | Q. Does this mean that both rate and factor data are used in calculated data?  
22 |

23 | A. Yes it does. Rates provide a proper and accurate method of arriving at the unit  
24 | parameters. These are then converted to factors since they are directly additive.  
25 | That is, the Forced Outage Factor + Maintenance Outage Factor + Planned

1           Outage Factor + Equivalent Availability = 100%. Since factors are additive,  
2           they are easier to work with and to understand.

3  
4   Q.    You previously stated that you had developed a CPM for your unit outages. How  
5           do you use the CPM in conjunction with your planned outages?

6  
7   A.    The CPM's included in this exhibit are preliminary and include only the major  
8           work activities we expect to accomplish during the planned outage. Planned  
9           outages are very complex and are anticipated months in advance. The actual  
10          CPM's utilized in the execution of the planned outage are detailed for all major  
11          and minor work activities.

12  
13         Since it is important to the company and beneficial to our Customers to control  
14         outage length, we have implemented a computerized outage management system.  
15         Essentially, this tool enables management to monitor outage progress, measure  
16         activity results against previously established milestones, and verify timely  
17         execution of all critical path events. This results in the shortest outage time  
18         possible and the maximum utilization of all resources. Any reduction in planned  
19         outage length directly improves unit equivalent availability.

20  
21   Q.    Has Tampa Electric Company prepared the necessary heat rate data required for  
22           the determination of the Generating Performance Incentive Factor?

23  
24   A.    Yes. Target heat rates as well as ranges of potential operation have been  
25           developed as required.

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 summer 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. Were any such circumstances of abnormal operation a consideration in your target  
17 setting procedure?

18

19 A. No. All data points were used in target determination and formed a valid body  
20 of data.

21

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

23

24 A. Yes.

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 summer 1994 period?

20

21 A. Yes. The heat rate target for Big Bend Unit 1 is 10,062 Btu/Net kwh. The range  
22 about this value, to allow for potential improvement or degradation, is  
23  $\pm 342$  Btu/Net kwh. The heat rate target for Big Bend Unit 2 is 10,069 Btu/Net  
24 kwh with a range of  $\pm 313$  Btu/Net kwh. The heat rate target for Big Bend  
25 Unit 3 is 9,676 Btu/Net kwh, with a range of  $\pm 285$  Btu/Net kwh. The heat rate

1 target for Big Bend Unit 4 is 10,114 Btu/Net kwh with a range of  $\pm 269$  Btu/Net  
2 kwh. The heat rate target for Gannon Unit 5 is 10,408 Btu/Net kwh with a range  
3 of  $\pm 344$  Btu/Net kwh. The heat rate target for Gannon Unit 6 is 10,454 Btu/Net  
4 kwh with a range of  $\pm 403$  Btu/Net kwh. A zone of tolerance of  $\pm 75$  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 weighting 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 \$140,166,300 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: \$6,536,200 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 Two, the weighting factor for equivalent availability is 8.77%  
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 Two, page 10, if the unit operates at 90.1% equivalent availability, fuel savings  
10 would equal \$573,000 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, \$6,536,200. The right hand column of page 2 is the estimated reward  
17 or penalty based upon performance. The maximum amount of penalty or reward  
18 is \$1,802,513. The calculation of this amount is detailed on page 3.

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

21  
22 A. Referring to my exhibit on page 3, line 8, the estimated average common equity  
23 for the period April - September 1994 is shown to be \$888,262,571. This  
24 produces the maximum allowed jurisdictional incentive dollars of \$1,802,513  
25 shown on line 15.



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 this constraint is met.

6  
7 Q. Do you wish to summarize your testimony on the GPIF?

8  
9 A. Yes. To the best of my knowledge and understanding, Tampa Electric Company  
10 has fully complied with the Commission's directions, philosophy, and  
11 methodology in our determination of Generating Performance Incentive Factor.  
12 The GPIF for Tampa Electric Company is expressed by the following formula for  
13 calculating Generating Performance Incentive Points (GPIP):

14 
$$\text{GPIP} = ( 0.0231 \text{ EAP}_{\text{GN5}} + 0.0858 \text{ EAP}_{\text{GN6}}$$

15 
$$+ 0.0891 \text{ EAP}_{\text{BB1}} + 0.0877 \text{ EAP}_{\text{BB2}}$$

16 
$$+ 0.1242 \text{ EAP}_{\text{BB3}} + 0.0859 \text{ EAP}_{\text{BB4}}$$

17 
$$+ 0.0547 \text{ HRP}_{\text{GN5}} + 0.0986 \text{ HRP}_{\text{GN6}}$$

18 
$$+ 0.0738 \text{ HRP}_{\text{BB1}} + 0.0969 \text{ HRP}_{\text{BB2}}$$

19 
$$+ 0.0913 \text{ HRP}_{\text{BB3}} + 0.0889 \text{ HRP}_{\text{BB4}} )$$

20 Where:

21 GPIF = Generating performance incentive points.

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

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

1 Q. Have you prepared a document summarizing the GPIF targets for the April  
2 - September 1994 period?

3  
4 A. Yes. The availability and heat rate targets for each unit are listed on attachment  
5 "A" to this testimony entitled "Tampa Electric Company GPIF Targets, April 1,  
6 1994 - September 30, 1994".

7  
8 Q. Do you wish to sponsor an exhibit consisting of estimated unit performance data  
9 supporting the fuel adjustment?

10  
11 A. Yes I do. (Have identified as Exhibit GAK-3).

12  
13 Q. Briefly describe this exhibit.

14  
15 A. This exhibit consists of 23 pages. This data is Tampa Electric Company's  
16 estimate of the Unit Performance Data and Unit Outage Data for the April  
17 - September 1994 period.

18  
19 Q. Does this conclude your testimony?

20  
21 A. Yes.

22

23

24

25

**ATTACHMENT "A"**  
January 18, 1994

**TAMPA ELECTRIC COMPANY**  
**GPIF TARGETS**  
April 1, 1994 - September 30, 1994

Unit	Availability			Heat Rate
	BAF	POF	EUOF	
Gannon 5	82.7	4.4	12.9 <sup>1/</sup>	10,408 <sup>1/</sup>
Gannon 6	83.1	0	16.9 <sup>2/</sup>	10,454 <sup>2/</sup>
Big Bend 1	58.6	30.6	10.8 <sup>3/</sup>	10,062 <sup>3/</sup>
Big Bend 2	87.6	0	12.4 <sup>4/</sup>	10,069 <sup>4/</sup>
Big Bend 3	83.5	0	16.5 <sup>5/</sup>	9,676 <sup>5/</sup>
Big Bend 4	88.1	0	11.9 <sup>6/</sup>	10,114 <sup>6/</sup>

<sup>1/</sup> Original Sheet 6.401.94E, Pg. 13

<sup>2/</sup> Original Sheet 6.401.94E, Pg. 14

<sup>3/</sup> Original Sheet 6.401.94E, Pg. 15

<sup>4/</sup> Original Sheet 6.401.94E, Pg. 16

<sup>5/</sup> Original Sheet 6.401.94E, Pg. 17

<sup>6/</sup> Original Sheet 6.401.94E, Pg. 18

TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE FACTOR  
APRIL 1994 - SEPTEMBER 1994  
TABLE OF CONTENTS

<u>SCHEDULE</u>	<u>PAGE</u>
GPIF REWARD/PENALTY TABLE ESTIMATED .....	2
GPIF CALCULATIONS OF MAXIMUM ALLOWED INCENTIVE DOLLARS .....	3
GPIF TARGET AND RANGE SUMMARY .....	4
COMPARISON GPIF TARGETS VS PRIOR PERIODS ACTUAL PERFORMANCE .....	5
GPIF HEAT RATE SUMMARY .....	5
DERIVATION OF WEIGHTING FACTORS .....	6
GENERATING PERFORMANCE INCENTIVE POINT TABLES .....	7-12
ESTIMATED UNIT PERFORMANCE DATA .....	13-18
PLANNED OUTAGE SCHEDULE .....	19
CRITICAL PATH METHOD DIAGRAMS .....	20
TAMPA ELECTRIC COMPANY FORCED OUTAGE AND MAINTENANCE OUTAGE FACTOR GRAPHS .....	21-26
NET HEAT RATE VS NET OUTPUT FACTOR GRAPHS .....	27-32
GENERATING UNITS IN GPIF (TABLE 4.2 IN MANUAL) .....	33
UNIT RATINGS AS OF APRIL 1, 1994 .....	34
PROJECTED PERCENT GENERATION BY UNIT .....	35

**TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE POINTS TABLE  
REWARD/PENALTY TABLE - ESTIMATED  
APRIL 1994 - SEPTEMBER 1994**

<u>GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)</u>	<u>FUEL SAVINGS/(LOSS) (\$000)</u>	<u>GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)</u>
+10	6,536.2	1,802.5
+9	5,882.6	1,622.3
+8	5,229.0	1,442.0
+7	4,575.3	1,261.8
+6	3,921.7	1,081.5
+5	3,268.1	901.3
+4	2,614.5	721.0
+3	1,960.9	540.8
+2	1,307.2	360.5
+1	653.6	180.3
0	0.0	0.0
-1	(930.6)	(180.3)
-2	(1,861.2)	(360.5)
-3	(2,791.8)	(540.8)
-4	(3,722.4)	(721.0)
-5	(4,653.0)	(901.3)
-6	(5,583.5)	(1,081.5)
-7	(6,514.1)	(1,261.8)
-8	(7,444.7)	(1,442.0)
-9	(8,375.3)	(1,622.3)
-10	(9,305.9)	(1,802.5)

TAMPA ELECTRIC COMPANY  
 GENERATING PERFORMANCE INCENTIVE FACTOR  
 CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS  
 ESTIMATED  
 APRIL 1994 - SEPTEMBER 1994

Line 1	Beginning of period balance of common equity End of month common equity:	\$890,332,000
Line 2	Month of April 1994	\$860,519,000
Line 3	Month of May 1994	\$868,658,000
Line 4	Month of June 1994	\$876,874,000
Line 5	Month of July 1994	\$898,625,000
Line 6	Month of August 1994	\$907,125,000
Line 7	Month of September 1994	\$915,705,000
Line 8	(summation of line 1 through 7 divided by 7)	\$888,262,571
Line 9	25 Basis points	0.0025
Line 10	Revenue expansion factor	61.3738%
Line 11	Maximum allowed incentive Dollars (Line 8 times 9 divided by line 10 times 0.5)	\$1,809,124
Line 12	Jurisdictional Sales	7,249,171 MWH
Line 13	Total Sales	7,275,757 MWH
Line 14	Jurisdictional Separation Factor (Line 12 divided by line 13)	99.63%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (Line 11 times Line 14)	\$1,802,513

TAMPA ELECTRIC COMPANY  
 GPIF TARGET AND RANGE SUMMARY  
 APRIL 1994 - SEPTEMBER 1994

EQUIVALENT AVAILABILITY

<u>PLANT/UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>BAF TARGET (%)</u>	<u>BAF MAX. (%)</u>	<u>RANGE MIN. (%)</u>	<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>
GANNON 5	2.31%	82.7	85.5	77.2	150.9	(424.9)
GANNON 6	8.58%	83.1	86.5	76.3	560.8	(843.3)
BIG BEND 1	8.91%	58.6	62.3	51.2	582.3	(1,165.1)
BIG BEND 2	8.77%	87.6	90.1	82.6	573.0	(926.3)
BIG BEND 3	12.42%	83.5	86.8	76.9	811.8	(1,501.0)
BIG BEND 4	<u>8.59%</u>	88.1	90.5	83.3	<u>561.3</u>	<u>(1,149.2)</u>
GPIF SYSTEM	49.58%				3,240.1	(6,009.8)

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 SAVING (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>
				<u>MIN.</u>	<u>MAX.</u>		
GANNON 5	5.47%	10408	69.9	10064	10752	357.3	(357.3)
GANNON 6	9.86%	10454	65.9	10051	10857	644.3	(644.3)
BIG BEND 1	7.38%	10062	90.2	9720	10404	482.1	(482.1)
BIG BEND 2	9.69%	10069	87.5	9756	10382	633.1	(633.1)
BIG BEND 3	9.13%	9676	87.7	9391	9961	597.0	(597.0)
BIG BEND 4	<u>8.89%</u>	10114	87.6	9845	10383	<u>582.3</u>	<u>(582.3)</u>
GPIF SYSTEM	50.42%					3,296.1	(3,296.1)

TAMPA ELECTRIC COMPANY

COMPARISON OF GPF TAPSETS VS. PRIOR PERIOD ACTUAL PERFORMANCE

AVAILABILITY

PLANT/UNIT	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD APR 94 - SEP 94			ACTUAL PERFORMANCE APR 93 - SEP 93			ACTUAL PERFORMANCE OCT 92 - MAR 93			ACTUAL PERFORMANCE APR 92 - SEP 92			ACTUAL PERFORMANCE OCT 91 - MAR 92			ACTUAL PERFORMANCE APR 91 - SEP 91		
			FOR	BLKP	BLKR	FOR	BLKP	BLKR	FOR	BLKP	BLKR	FOR	BLKP	BLKR	FOR	BLKP	BLKR	FOR	BLKP	BLKR
BIG BEND 1	8.81%	18.0	30.6	10.8	18.8	0.0	14.2	14.2	8.8	18.0	21.4	20.0	11.8	14.8	8.8	8.8	7.1	0.0	13.2	13.2
BIG BEND 2	8.77%	17.7	0.0	12.4	12.4	8.8	8.8	8.8	2.8	10.4	10.8	0.0	11.7	11.7	23.2	8.8	8.8	0.0	22.2	22.2
BIG BEND 3	12.42%	25.1	0.0	18.6	18.6	11.8	13.8	14.5	18.7	18.1	23.5	0.0	11.0	11.0	2.8	14.1	14.8	18.6	11.8	14.0
BIG BEND 4	8.80%	17.3	0.0	11.8	11.8	0.0	18.8	18.8	0.0	8.8	8.8	0.0	11.8	11.8	21.8	10.7	18.8	0.0	7.8	7.8
GANNON 5	2.31%	4.7	4.4	12.8	13.5	28.8	10.8	18.8	0.0	8.8	8.8	0.0	10.5	10.5	0.0	12.0	12.0	38.1	8.3	15.3
GANNON 6	8.84%	17.2	0.0	18.8	18.8	14.8	14.2	18.0	20.1	8.2	8.8	8.8	14.8	18.0	0.0	22.8	22.8	8.8	13.3	13.7
GPF SYSTEM WGT'D AVG	48.58%	100.0	5.7	13.8	14.7	7.4	13.2	14.4	12.1	12.8	14.8	3.7	12.1	12.8	9.8	12.2	13.2	8.2	11.4	14.3
GPF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY			82.4			78.2			78.2			84.2			78.2			82.4		

6 PERIOD AVERAGE  
FOR BLKP BLKR  
7.8 12.7 13.8

6 PERIOD AVERAGE  
EAE  
78.6

AVERAGE NET OPERATING HEAT RATE @ 100%  
@ 100%  
@ 100%

PLANT/UNIT	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING FACTOR	HEAT RATE TARGET	ADJUSTED PRIOR HEAT RATE	ADJUSTED PRIOR HEAT RATE	ADJUSTED PRIOR HEAT RATE
				APR 93 - SEP 93	APR 92 - SEP 92	APR 91 - SEP 91
GANNON 5	5.47%	10.8	10408	10477	10453	10287
GANNON 6	8.88%	18.8	10454	10587	10415	10813
BIG BEND 1	7.38%	14.8	10082	10148	10158	9880
BIG BEND 2	9.88%	19.2	10088	10038	10078	10088
BIG BEND 3	8.13%	18.1	9878	9738	9843	9858
BIG BEND 4	8.87%	17.8	10114	10182	10232	10108
GPF SYSTEM WEIGHTED AVERAGE H.R. (Btu/kwh)	50.42%	100.0	10117	10177	10113	10068



ORIGINAL SHEET NO. 6.401.94E

TAMPA ELECTRIC COMPANY  
 DERIVATION OF WEIGHTING FACTORS  
 APRIL 1994 - SEPTEMBER 1994  
 PRODUCTION COSTING SIMULATION  
 FUEL COST (\$000)

UNIT PERFORMANCE INDICATOR	AT TARGET (1)	IMPROVEMENT (2)	SAVINGS (3)	WEIGHTING FACTOR (% OF SAVINGS)
<b>EQUIVALENT AVAILABILITY</b>				
EA <sub>1</sub> GANNON 5	140166.3	140015.4	150.9	2.31%
EA <sub>2</sub> GANNON 6	140166.3	139605.5	560.8	8.58%
EA <sub>3</sub> BIG BEND 1	140166.3	139584.0	582.3	8.91%
EA <sub>4</sub> BIG BEND 2	140166.3	139593.3	573.0	8.77%
EA <sub>5</sub> BIG BEND 3	140166.3	139354.5	811.8	12.42%
EA <sub>6</sub> BIG BEND 4	140166.3	139605.0	561.3	8.59%
<b>HEAT RATE</b>				
AHR <sub>1</sub> GANNON 5	140166.3	139809.0	357.3	5.47%
AHR <sub>2</sub> GANNON 6	140166.3	139522.0	644.3	9.86%
AHR <sub>3</sub> BIG BEND 1	140166.3	139684.2	482.1	7.38%
AHR <sub>4</sub> BIG BEND 2	140166.3	139533.2	633.1	9.69%
AHR <sub>5</sub> BIG BEND 3	140166.3	139569.3	597.0	9.13%
AHR <sub>6</sub> BIG BEND 4	140166.3	139584.0	582.3	8.89%
<b>TOTAL SAVINGS</b>			6536.2	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  
 APRIL 1994 - SEPTEMBER 1994  
 GANNON II

<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	130.9	85.5	+10	357.3	10064
+9	135.8	85.2	+9	328	10091
+8	120.7	84.9	+8	285.8	10118
+7	105.6	84.7	+7	250.1	10145
+6	90.5	84.4	+6	214.4	10172
+5	75.5	84.1	+5	178.7	10199
+4	60.4	83.8	+4	142.9	10225
+3	45.3	83.5	+3	107.2	10252
+2	30.2	83.3	+2	71.5	10279
+1	15.1	83.0	+1	35.7	10306
0	0.0	82.7	0	0.0	10333
				0.0	10408
					10483
-1	(42.5)	82.1	-1	(35.7)	10510
-2	(85.0)	81.6	-2	(71.5)	10537
-3	(127.5)	81.0	-3	(107.2)	10564
-4	(170.0)	80.5	-4	(142.9)	10591
-5	(212.5)	79.9	-5	(178.7)	10618
-6	(254.9)	79.3	-6	(214.4)	10644
-7	(297.4)	78.8	-7	(250.1)	10671
-8	(339.9)	78.2	-8	(285.8)	10698
-9	(382.4)	77.7	-9	(321.6)	10725
-10	(424.9)	77.1	-10	(357.3)	10752

Weighting Factor = 2.31%

Weighting Factor = 5.47%

**TAMPA ELECTRIC COMPANY**  
**GENERATING PERFORMANCE INCENTIVE POINTS TABLE**  
**APRIL 1994 - SEPTEMBER 1994**  
**GANNON 6**

<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	560.8	86.5	+10	644.3	10051
+9	504.7	86.2	+9	579.9	10084
+8	448.6	85.8	+8	515.4	10117
+7	392.6	85.5	+7	451.0	10149
+6	336.5	85.1	+6	386.6	10182
+5	280.4	84.8	+5	322.2	10215
+4	224.3	84.5	+4	257.7	10248
+3	168.2	84.1	+3	193.3	10281
+2	112.2	83.8	+2	128.9	10315
+1	56.1	83.4	+1	64.4	10346
0	0.0	83.1	0	0.0	10379
				0.0	10454
				0.0	10529
-1	(84.3)	82.4	-1	(64.4)	10562
-2	(168.7)	81.7	-2	(128.9)	10595
-3	(253.0)	81.1	-3	(193.3)	10627
-4	(337.3)	80.4	-4	(257.7)	10660
-5	(421.7)	79.7	-5	(322.2)	10693
-6	(506.0)	79.0	-6	(386.6)	10726
-7	(590.3)	78.3	-7	(451.0)	10759
-8	(674.6)	77.7	-8	(515.4)	10791
-9	(759.0)	77.0	-9	(579.9)	10824
-10	(843.3)	76.3	-10	(644.3)	10857

Weighting Factor = 8.58%

Weighting Factor = 9.86%

TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

APRIL 1994 - SEPTEMBER 1994

BIG BEND 1

<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	582.3	62.3	+10	482.1	9720
+9	574.1	61.9	+9	433.9	9747
+8	465.8	61.6	+8	385.7	9773
+7	407.6	61.2	+7	337.5	9800
+6	349.4	60.8	+6	289.3	9827
+5	291.2	60.4	+5	241.1	9854
+4	232.9	60.1	+4	192.8	9880
+3	174.7	59.7	+3	144.6	9907
+2	116.5	59.3	+2	96.4	9934
+1	58.2	59.0	+1	48.2	9960
0	0.0	58.6	0	0.0	9987
				0.0	10062
-1	(116.5)	57.9	-1	(48.2)	10137
-2	(233.0)	57.1	-2	(96.4)	10164
-3	(349.5)	56.4	-3	(144.6)	10190
-4	(466.0)	55.6	-4	(192.8)	10217
-5	(582.6)	54.9	-5	(241.1)	10244
-6	(699.1)	54.2	-6	(289.3)	10271
-7	(815.6)	53.4	-7	(337.5)	10297
-8	(932.1)	52.7	-8	(385.7)	10324
-9	(1,048.6)	51.9	-9	(433.9)	10351
-10	(1,165.1)	51.2	-10	(482.1)	10377
					10404

Weighting Factor = 8.91%

Weighting Factor = 7.36%

TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE POINTS TABLE  
APRIL 1994 - SEPTEMBER 1994  
BIG BEND 2

<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					
+9	573.0	90.1			
+8	515.7	89.9	+10		
+7	458.4	89.6	+9	632.1	
+6	401.1	89.4	+8	569.8	9756
+5	343.8	89.1	+7	506.5	9780
+4	286.5	88.9	+6	443.2	9804
+3	229.2	88.6	+5	379.9	9827
+2	171.9	88.4	+4	316.6	9851
+1	114.6	88.1	+3	253.2	9875
0	57.3	87.9	+2	189.9	9899
	0.0		+1	126.6	9923
-1		87.6		63.3	9946
-2	(92.6)		0	0.0	9970
-3	(185.3)	87.1		0.0	9994
-4	(277.9)	86.6	-1	0.0	10069
-5	(370.5)	86.1	-2	(63.3)	10144
-6	(463.2)	85.6	-3	(126.6)	10168
-7	(555.8)	85.1	-4	(189.9)	10192
-8	(648.4)	84.6	-5	(253.2)	10215
-9	(741.0)	84.1	-6	(316.6)	10239
-10	(833.7)	83.6	-7	(379.9)	10263
	(926.3)	83.1	-8	(443.2)	10287
		82.6	-9	(506.5)	10311
			-10	(569.8)	10334
				(633.1)	10358
					10382

Weighting Factor = 8.77%

Weighting Factor = 9.69%

TAMPA ELECTRIC COMPANY  
 GENERATING PERFORMANCE INCENTIVE POINTS TABLE

APRIL 1994 - SEPTEMBER 1994

BIG BEND 3

<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	811.8	86.8	+10	597.0	9391
+9	730.6	86.5	+9	537.3	9412
+8	649.4	86.1	+8	477.6	9433
+7	568.3	85.8	+7	417.9	9454
+6	487.1	85.5	+6	358.2	9475
+5	405.9	85.2	+5	298.5	9496
+4	324.7	84.8	+4	238.8	9517
+3	243.5	84.5	+3	179.1	9538
+2	162.4	84.2	+2	119.4	9559
+1	81.2	83.8	+1	59.7	9580
				0.0	9601
0	0.0	83.5	0	0.0	9676
				0.0	9751
-1	(150.1)	82.8	-1	(59.7)	9772
-2	(300.2)	82.2	-2	(119.4)	9793
-3	(450.3)	81.5	-3	(179.1)	9814
-4	(600.4)	80.9	-4	(238.8)	9835
-5	(750.5)	80.2	-5	(298.5)	9856
-6	(900.6)	79.5	-6	(358.2)	9877
-7	(1,050.7)	78.9	-7	(417.9)	9898
-8	(1,200.8)	78.2	-8	(477.6)	9919
-9	(1,350.9)	77.6	-9	(537.3)	9940
-10	(1,501.0)	76.9	-10	(597.0)	9961

Weighting Factor = 12.42%

Weighting Factor = 9.13%

**TAMPA ELECTRIC COMPANY**  
**GENERATING PERFORMANCE INCENTIVE POINTS TABLE**  
**APRIL 1994 - SEPTEMBER 1994**  
**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 SAVING/(LOSS) (\$x1000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	561.3	90.5	+10	582.3	9845
+9	505.2	90.3	+9	524.1	9864
+8	449.0	90.0	+8	465.8	9884
+7	392.9	89.8	+7	407.6	9903
+6	336.8	89.5	+6	349.4	9923
+5	280.7	89.3	+5	291.2	9942
+4	224.5	89.1	+4	232.9	9961
+3	168.4	88.8	+3	174.7	9981
+2	112.3	88.6	+2	116.5	10000
+1	56.1	88.3	+1	58.2	10020
				0.0	10039
0	0.0	88.1	0	0.0	10114
				0.0	10189
-1	(114.9)	87.6	-1	(58.2)	10208
-2	(229.8)	87.1	-2	(116.5)	10228
-3	(344.8)	86.7	-3	(174.7)	10247
-4	(459.7)	86.2	-4	(232.9)	10267
-5	(574.6)	85.7	-5	(291.2)	10286
-6	(689.5)	85.2	-6	(349.4)	10305
-7	(804.4)	84.7	-7	(407.6)	10325
-8	(919.4)	84.3	-8	(465.8)	10344
-9	(1,034.3)	83.8	-9	(524.1)	10364
-10	(1,149.2)	83.3	-10	(582.3)	10383

Weighting Factor = 8.59%

Weighting Factor = 8.89%

**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT GANNON 5	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR 94	MAY 94	JUN 94	JUL 94	AUG 94	SEP 94	SUMMER 1994
1. EAF (%)	63.4	66.4	66.5	66.4	66.4	66.7	62.7
2. POF (%)	26.7	0.0	0.0	0.0	0.0	0.0	4.4
3. EUOF (%)	9.9	13.6	13.5	13.6	13.6	13.3	12.9
4. EUOR (%)	13.5	13.6	13.5	13.6	13.6	13.3	13.5
5. PH	719	744	720	744	744	720	4301
6. SH	492	663	671	693	693	671	3913
7. RSH	0	0	0	0	0	0	0
8. LH	227	51	49	51	51	49	478
9. POH	192	0	0	0	0	0	192
10. FOH & EFOH	58	62	79	62	62	79	462
11. MOH & EMOH	13	19	18	19	19	17	106
12. OPER BTU (GBTU)	762,877	1202,002	1129,671	1149,838	1143,942	1074,211	6462,541
13. NET GEN (MWH)	74339	117250	108789	109110	106404	102930	620912
14. ANOHR (BTU/KWH)	10262	10262	10384	10536	10544	10436	10408
15. NOF (%)	66.6	74.5	71.4	69.4	69.0	67.6	69.9
16. NSC (MW)	227	227	227	227	227	227	227

17. ANOHR EQUATION:

$$\text{ANOHR} = \text{NOF} (-19.6360) + 11780.7$$

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940001 - EI



**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT GANNON 6	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR 94	MAY 94	JUN 94	JUL 94	AUG 94	SEP 94	SUMMER 1994
1. EAF (%)	83.0	83.2	83.1	83.2	83.2	82.9	83.1
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	17.0	16.8	16.9	16.8	16.8	17.1	16.9
4. EUOR (%)	17.0	16.8	16.9	16.8	16.8	17.1	16.9
5. PH	719	744	720	744	744	720	4391
6. SH	653	675	653	675	675	656	3967
7. RSH	0	0	0	0	0	0	0
8. UH	66	69	67	69	69	64	404
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	100	103	100	103	103	101	610
11. MOH & EMOH	22	22	22	22	22	22	132
12. OPER BTU (GBTU)	1506.731	1796.295	1669.392	1696.997	1685.116	1587.655	9944.186
13. NET GEN (MWH)	144975	173845	160091	161022	159775	151503	951211
14. ANOHR (BTU/KWH)	10407	10333	10428	10539	10547	10479	10454
15. NOF (%)	61.3	71.1	67.7	65.9	65.4	63.8	65.9
16. NSC (MW)	362	362	362	362	362	362	362

17. ANOHR EQUATION:

$$\text{ANOHR} = \text{NOF} (-13.1800) + 11322.8$$

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940001 - E1

TAMPA ELECTRIC COMPANY  
 ESTIMATED UNIT PERFORMANCE DATA  
 APRIL 1994 - SEPTEMBER 1994

PLANT/UNIT BIG BEND 1	MONTH OF: APR 94	MONTH OF: MAY 94	MONTH OF: JUN 94	MONTH OF: JUL 94	MONTH OF: AUG 94	MONTH OF: SEP 94	PERIOD SUMMER 1994
1. EAF (%)	22.4	0.0	78.0	84.4	84.4	84.4	58.6
2. POF (%)	73.4	100.0	10.0	0.0	0.0	0.0	30.6
3. EUOF (%)	4.2	0.0	14.0	15.6	15.6	15.6	10.8
4. EUOR (%)	15.7	0.0	15.6	15.6	15.6	15.6	15.6
5. PH	719	744	720	744	744	720	4391
6. SH	174	0	586	674	674	656	2764
7. RSH	0	0	0	0	0	0	0
8. UH	545	744	134	70	70	64	1627
9. POH	528	744	72	0	0	0	1344
10. FOH & EFOH	21	0	72	83	83	79	338
11. MOH & EMOH	9	0	29	33	33	33	137
12. OPER BTU (GBTU)	640,448	0,000	2156,448	2492,636	2488,339	2382,917	10160,786
13. NET GEN (MWH)	64796	0	214898	246520	246093	237515	1009822
14. ANOHR (BTU/KWH)	9864	0	10035	10111	10111	10033	10062
15. NOF (%)	91.9	0.0	90.5	90.3	90.2	89.4	90.2
16. NSC (MW)	405	405	405	405	405	405	405

17. ANOHR EQUATION:  $ANOHR = NOF (-13.9140) + 11317.0$

FILED:  
 SUSPENDED:  
 EFFECTIVE: 4/01/94  
 DOCKET NO: 940001 - EI

TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994

PLANT/UNIT BIG BEND 2	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR 94	MAY 94	JUN 94	JUL 94	AUG 94	SEP 94	SUMMER 1994
1. EAF (%)	87.8	87.8	87.8	87.6	87.8	87.4	87.8
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	12.4	12.4	12.4	12.4	12.4	12.6	12.4
4. EUOR (%)	12.4	12.4	12.4	12.4	12.4	12.6	12.4
5. PH	719	744	720	744	744	720	4391
6. SH	664	686	664	686	686	668	4054
7. RSH	0	0	0	0	0	0	0
8. UH	55	58	56	58	58	52	337
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	66	68	66	68	68	68	404
11. MOH & EMOH	23	24	23	24	24	23	141
12. OPER BTU (GBTU)	2425.433	2530.729	2383.224	2440.293	2426.286	2327.622	14535.587
13. NET GEN (MWH)	243525	253473	236063	240800	239599	230019	1443639
14. ANOHR (BTU/KWH)	9960	9984	10096	10130	10136	10116	10069
15. NOF (%)	90.3	91.0	87.6	86.5	86.0	84.8	87.7
16. NSC (MW)	406	406	406	406	406	406	406

17. ANOHR EQUATION: ANOHR = NOF (-7.3385) + 10712.3

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940101 - E1

**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT BIG BEND 3	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR 94	MAY 94	JUN 94	JUL 94	AUG 94	SEP 94	SUMMER 1994
1. EAF (%)	83.8	83.5	83.8	83.5	83.5	83.3	83.5
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	16.4	16.5	16.4	16.5	16.5	16.7	16.5
4. EUOR (%)	16.4	16.5	16.4	16.5	16.5	16.7	16.5
5. PH	719	744	720	744	744	720	4391
6. SH	649	671	649	671	671	654	3965
7. RSH	0	0	0	0	0	0	0
8. UH	70	73	71	73	73	66	426
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	78	81	78	81	81	80	479
11. MOH & EMOH	40	42	40	42	42	40	246
12. OPER BTU (GBTU)	2368.973	2489.357	2391.827	2442.866	2436.853	2359.087	14466.763
13. NET GEN (MWH)	245572	254809	246771	252635	251980	243538	1497315
14. ANOHR (BTU/KWH)	9647	9693	9692	9670	9670	9687	9676
15. NOF (%)	88.0	89.0	88.4	87.6	87.3	86.6	87.8
16. NSC (MW)	430	430	430	430	430	430	430

17. ANOHR EQUATION:

$$\text{ANOHR} = \text{NOF} (-7.1595) + 10305.1$$

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940001 - EI

TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994

PLANT/UNIT BIG BEND 4	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR 94	MAY 94	JUN 94	JUL 94	AUG 94	SEP 94	SUMMER 1994
1. EAF (%)	88.2	88.0	88.2	88.0	88.0	88.2	88.1
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	11.8	12.0	11.8	12.0	12.0	11.8	11.9
4. EUOR (%)	11.8	12.0	11.8	12.0	12.0	11.6	11.9
5. PH	719	744	720	744	744	720	4391
6. SH	671	693	671	693	693	674	4095
7. RSH	0	0	0	0	0	0	0
8. UH	48	51	49	51	51	48	298
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	68	71	68	71	71	68	417
11. MOH & EMOH	17	18	17	18	18	17	105
12. OPER BTU (GBTU)	2649.522	2765.023	2631.096	2692.830	2682.801	2581.462	16002.734
13. NET GEN (MWH)	265591	274984	259834	264041	263045	254772	1582247
14. ANOHR (BTU/KWH)	9976	10056	10126	10199	10199	10132	10114
15. NOF (%)	89.8	90.0	87.8	86.4	86.1	85.7	87.6
16. NSC (MW)	441	441	441	441	441	441	441

17. ANOHR EQUATION:

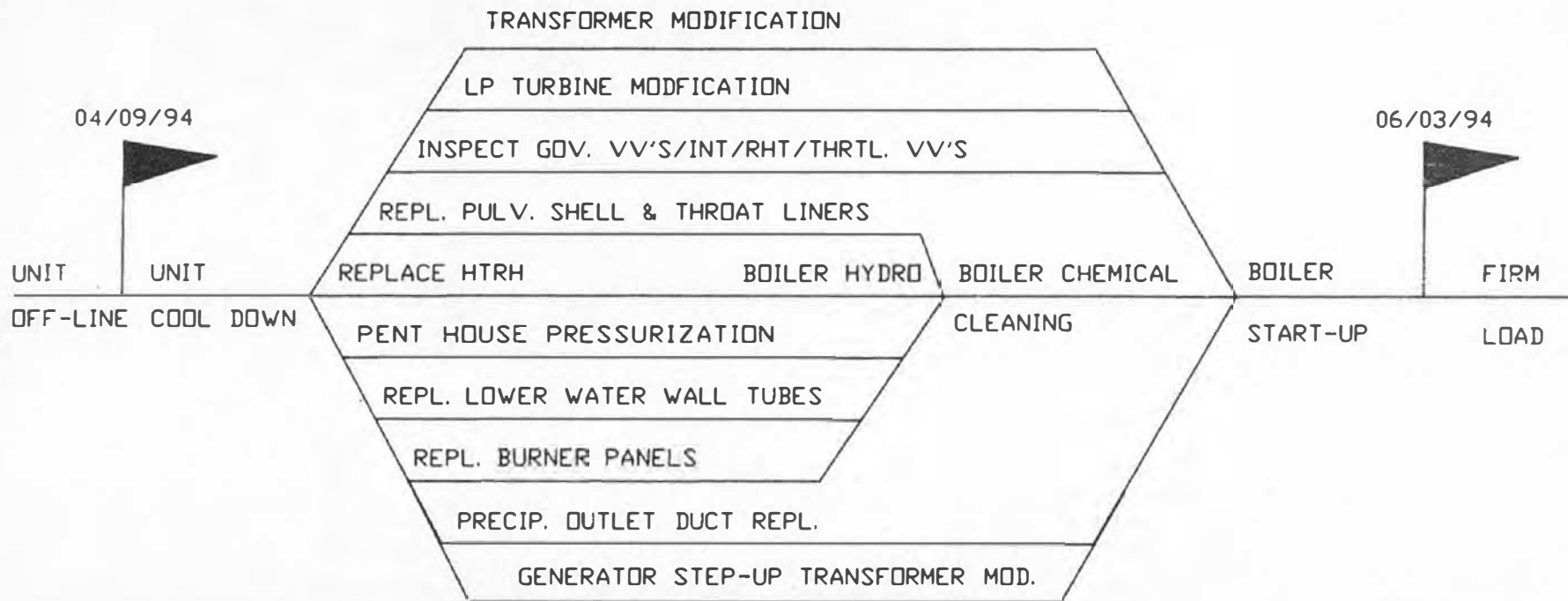
$$\text{ANOHR} = \text{NOF} (-12.3333) + 11194.3$$

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940001 - EI

TAMPA ELECTRIC COMPANY  
 PLANNED OUTAGE SCHEDULE (ESTIMATED)  
 GPIF UNITS  
 APRIL 1994 - SEPTEMBER 1994

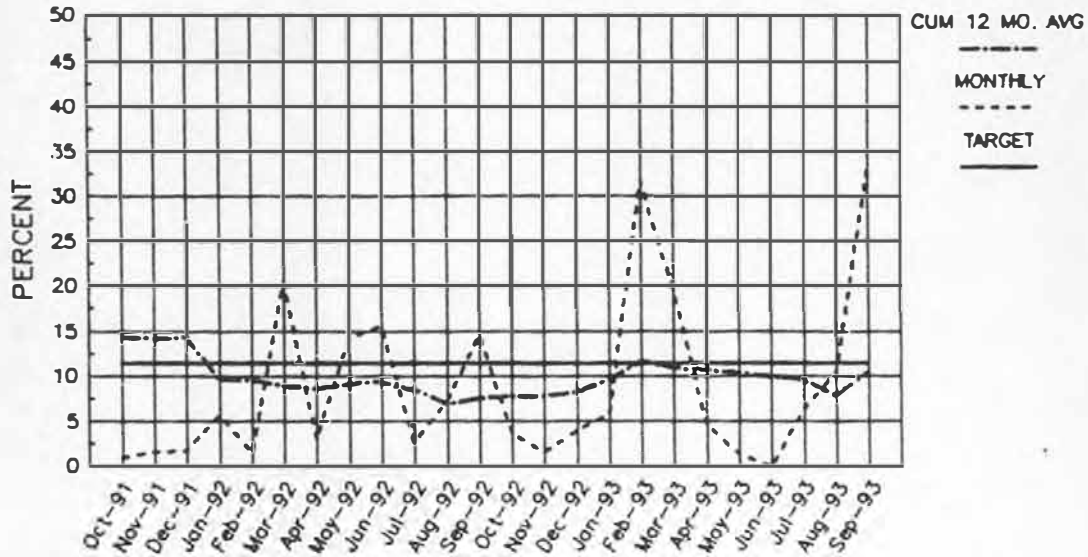
PLANT / UNIT		PLANNED OUTAGE DATES	OUTAGE REASONS	
•	+	GANNON 5	MAR 26 - APR 08	FUEL SYSTEM CLEAN-UP
		BIG BEND 1	APR 09 - JUN 03	PENTHOUSE PRESSURIZATION REPLACE HIGH TEMP. REHEATER REPLACE PULV. SH/THROAT LINERS REPLACE BURNER PANELS BOILER CHEMICAL CLEANING REPLACE LOWER WATER WALL TUBES L.P. TURBINE MODIFICATION PRECIP. OUTLET DUCT REPLACEMENT GENERATOR STEP-UP TRANS. MODIFICA INSP. GOV. VV'S/INT/RHT/THRTL. VV'S

• OUTAGE START/END DATE OUT OF GPIF PERIOD  
 + CPM'S WERE NOT INCLUDED FOR THESE UNITS, OUTAGES ARE LESS THAN 2 WEEKS

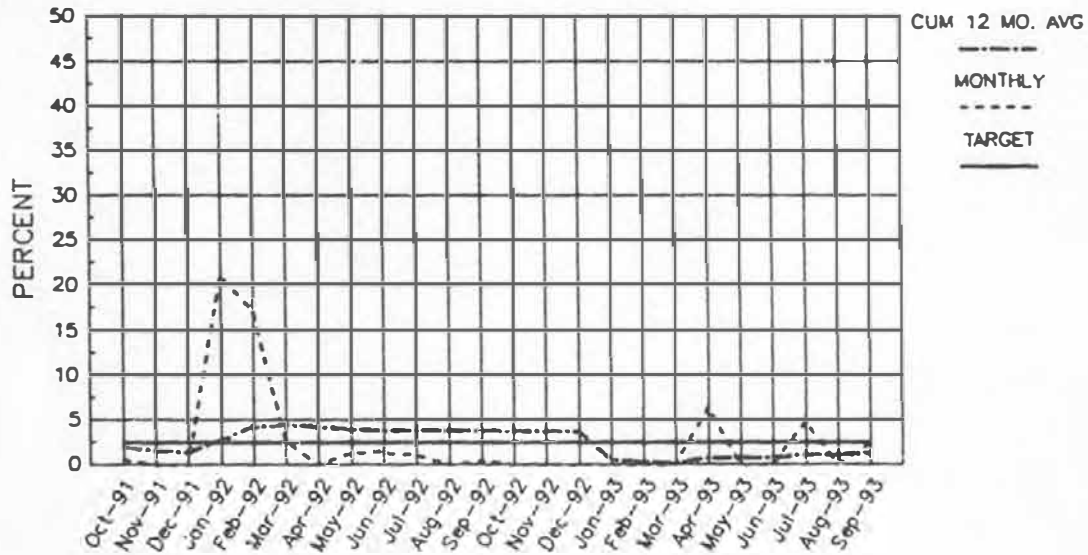


TAMPA ELECTRIC COMPANY  
 BIG BEND UNIT NO. 1  
 PLANNED OUTAGE 1994  
 PRELIMINARY CPM  
 11/11/93

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

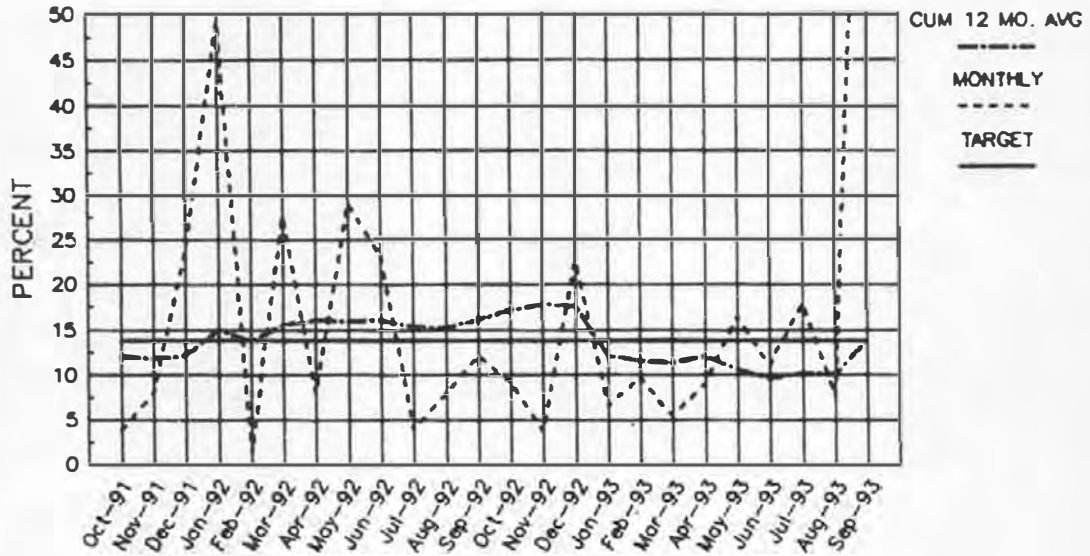


**TAMPA ELECTRIC CO.**  
**GANNON UNIT #5**  
**EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)**

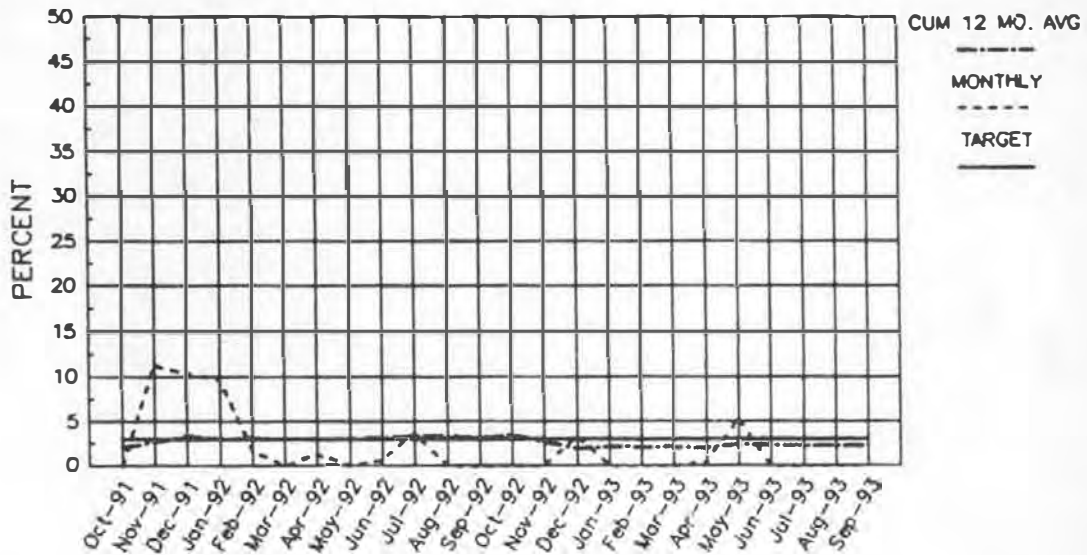




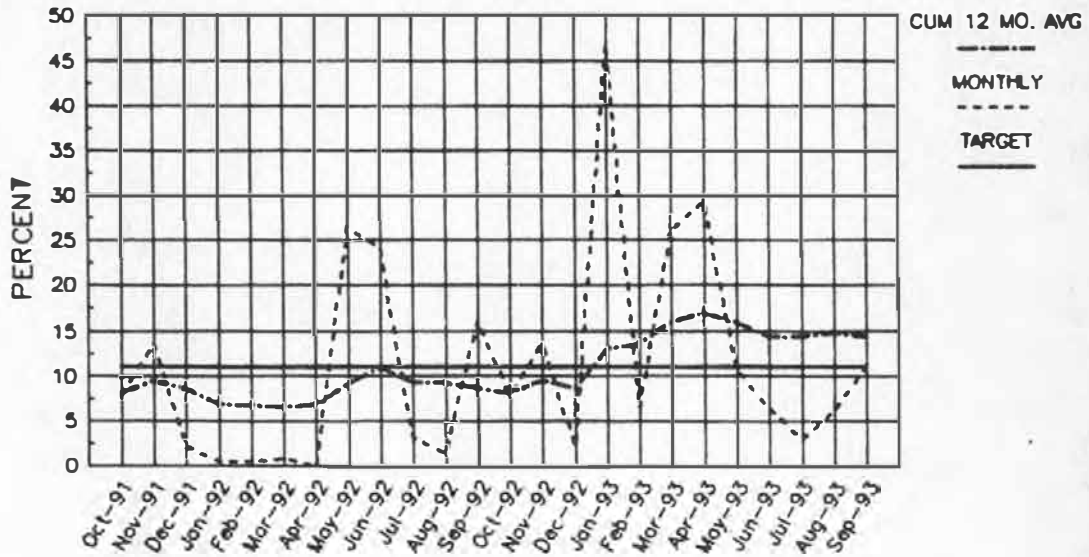
**TAMPA ELECTRIC CO.**  
**GANNON UNIT #6**  
**EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)**



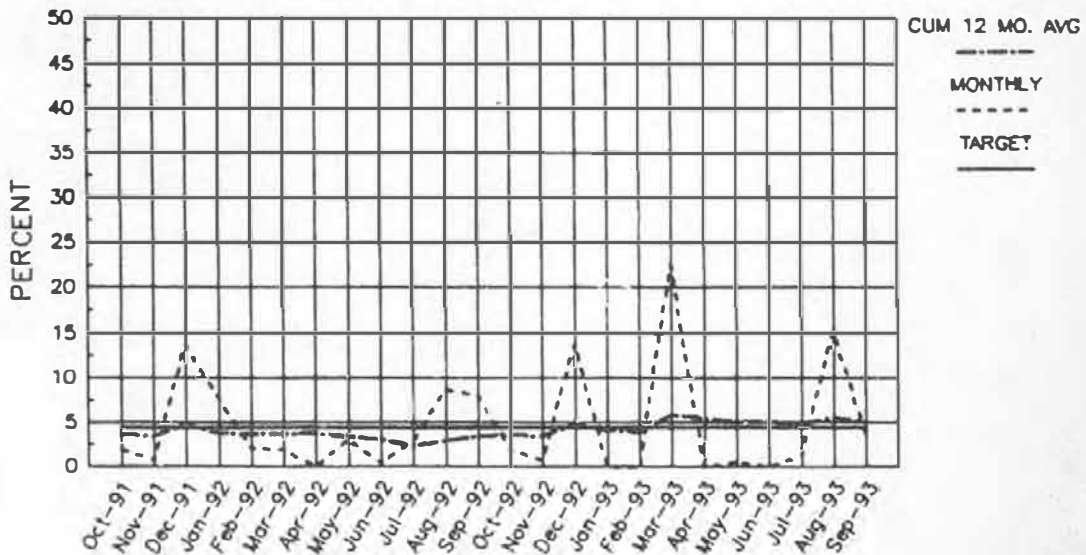
**TAMPA ELECTRIC CO.**  
**GANNON UNIT #6**  
**EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)**



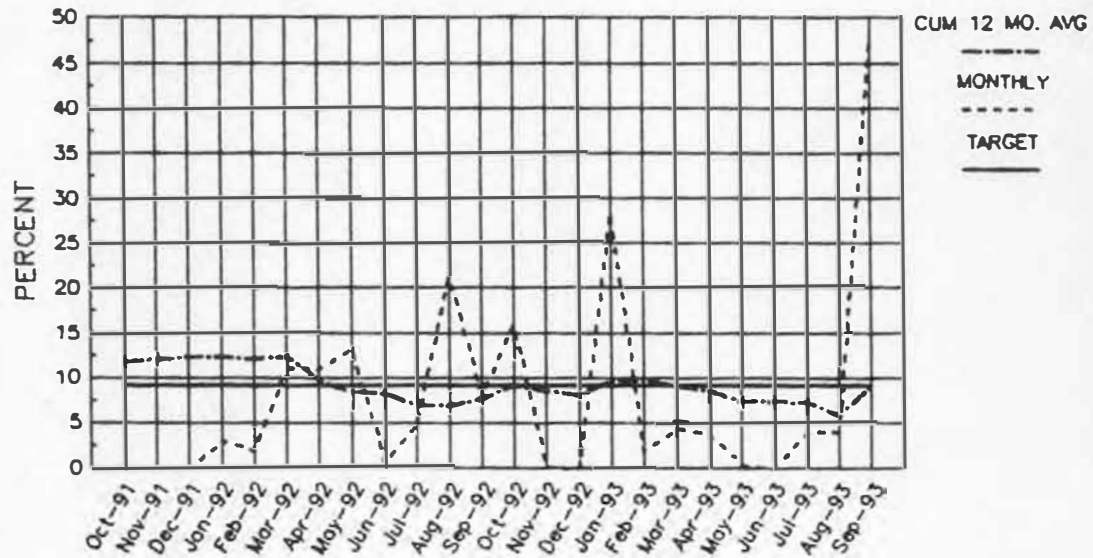
TAMPA ELECTRIC CO.  
 BIG BEND UNIT #1  
 EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



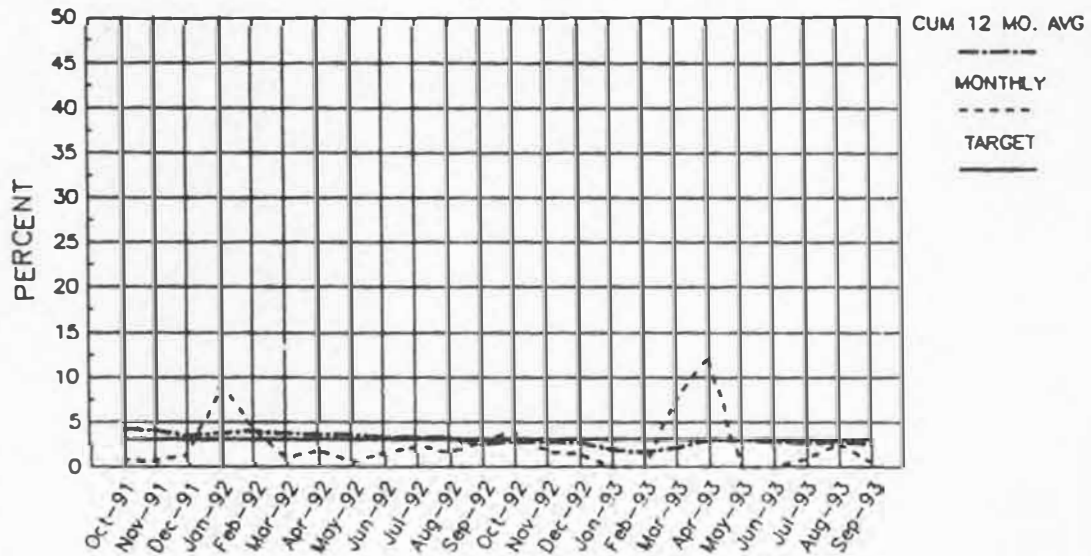
TAMPA ELECTRIC CO.  
 BIG BEND UNIT #1  
 EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



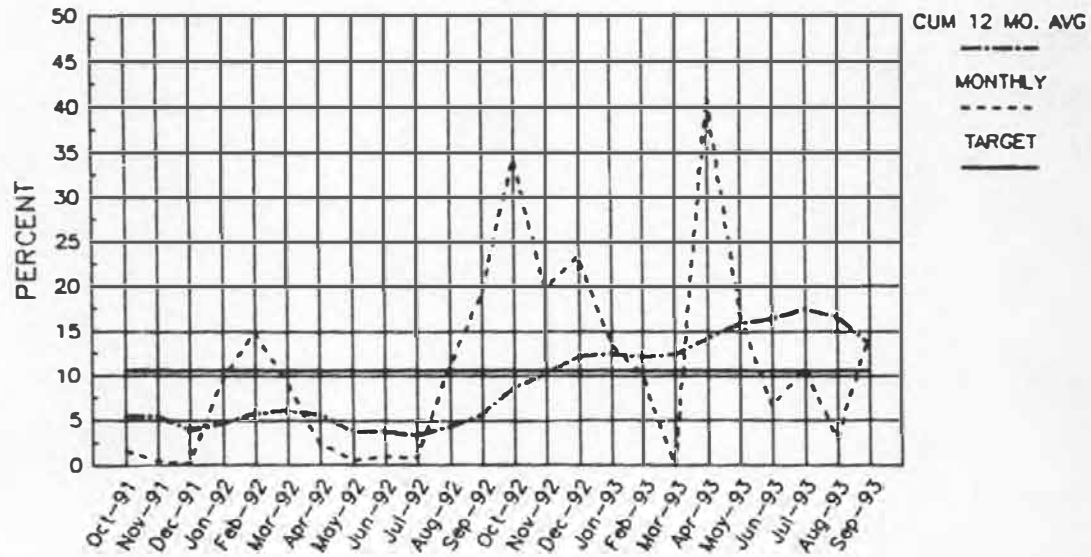
TAMPA ELECTRIC CO.  
 BIG BEND UNIT #2  
 EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



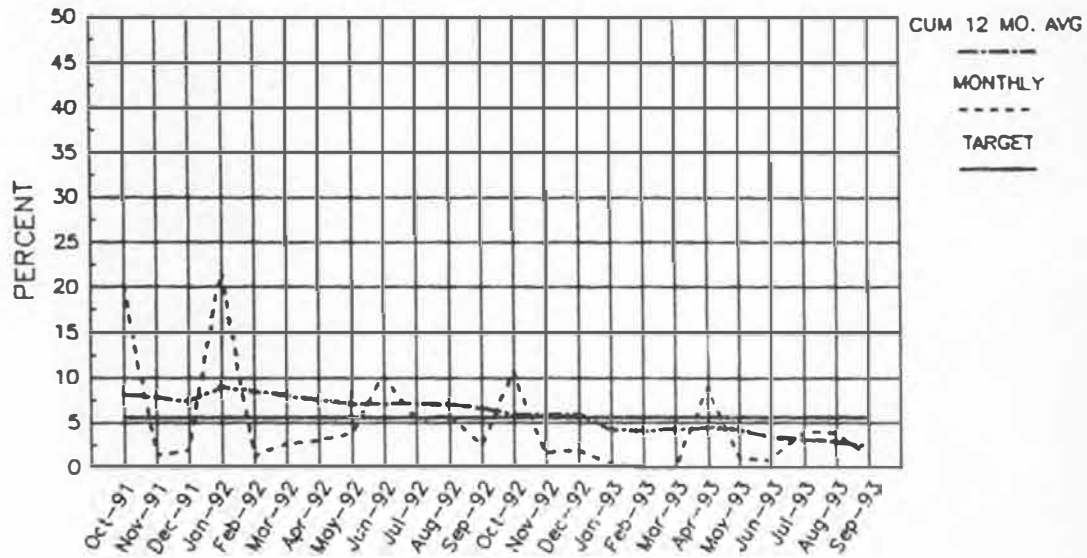
TAMPA ELECTRIC CO.  
 BIG BEND UNIT #2  
 EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)



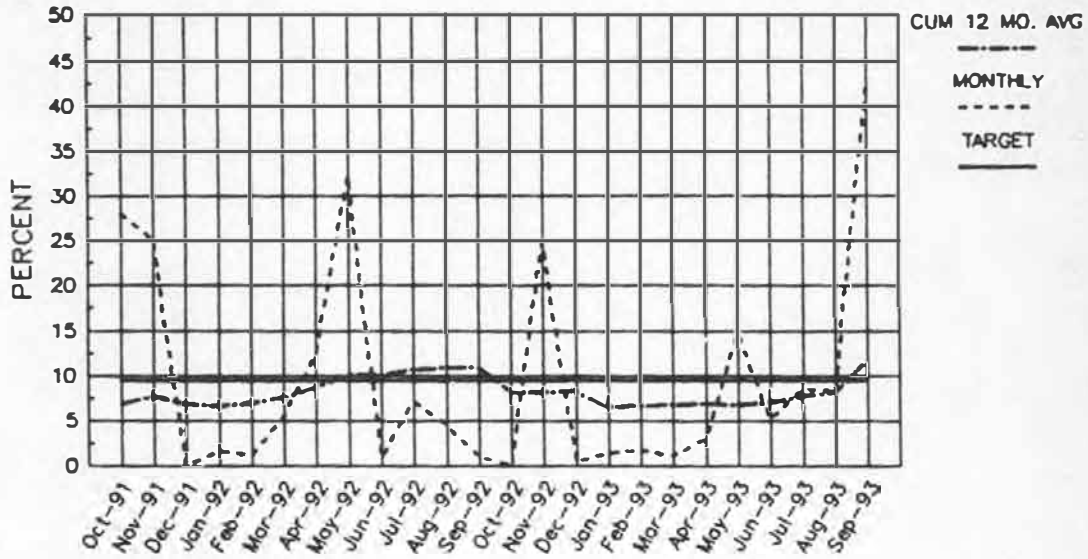
**TAMPA ELECTRIC CO.**  
**BIG BEND UNIT #3**  
**EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)**



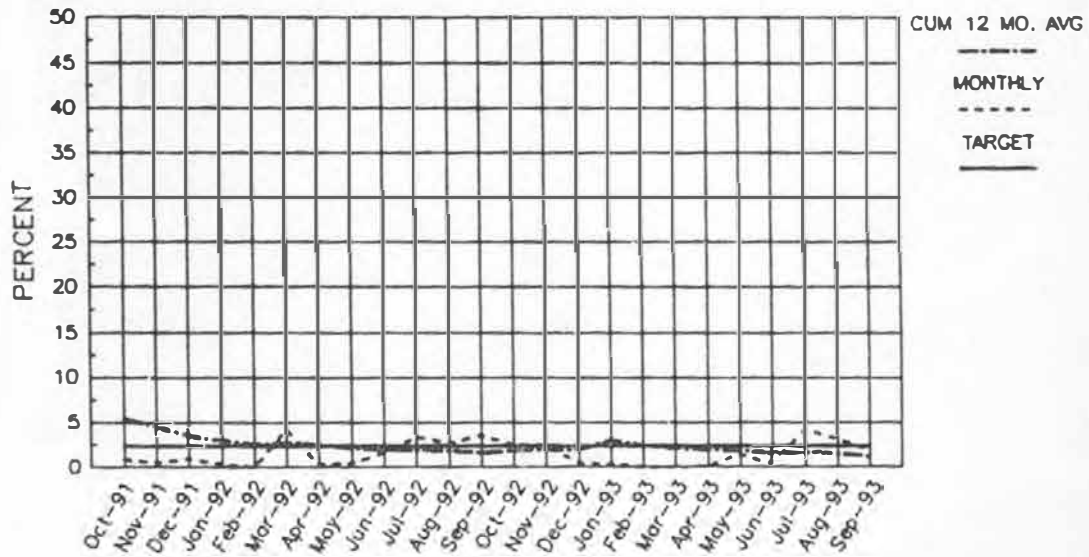
**TAMPA ELECTRIC CO.**  
**BIG BEND UNIT #3**  
**EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)**



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



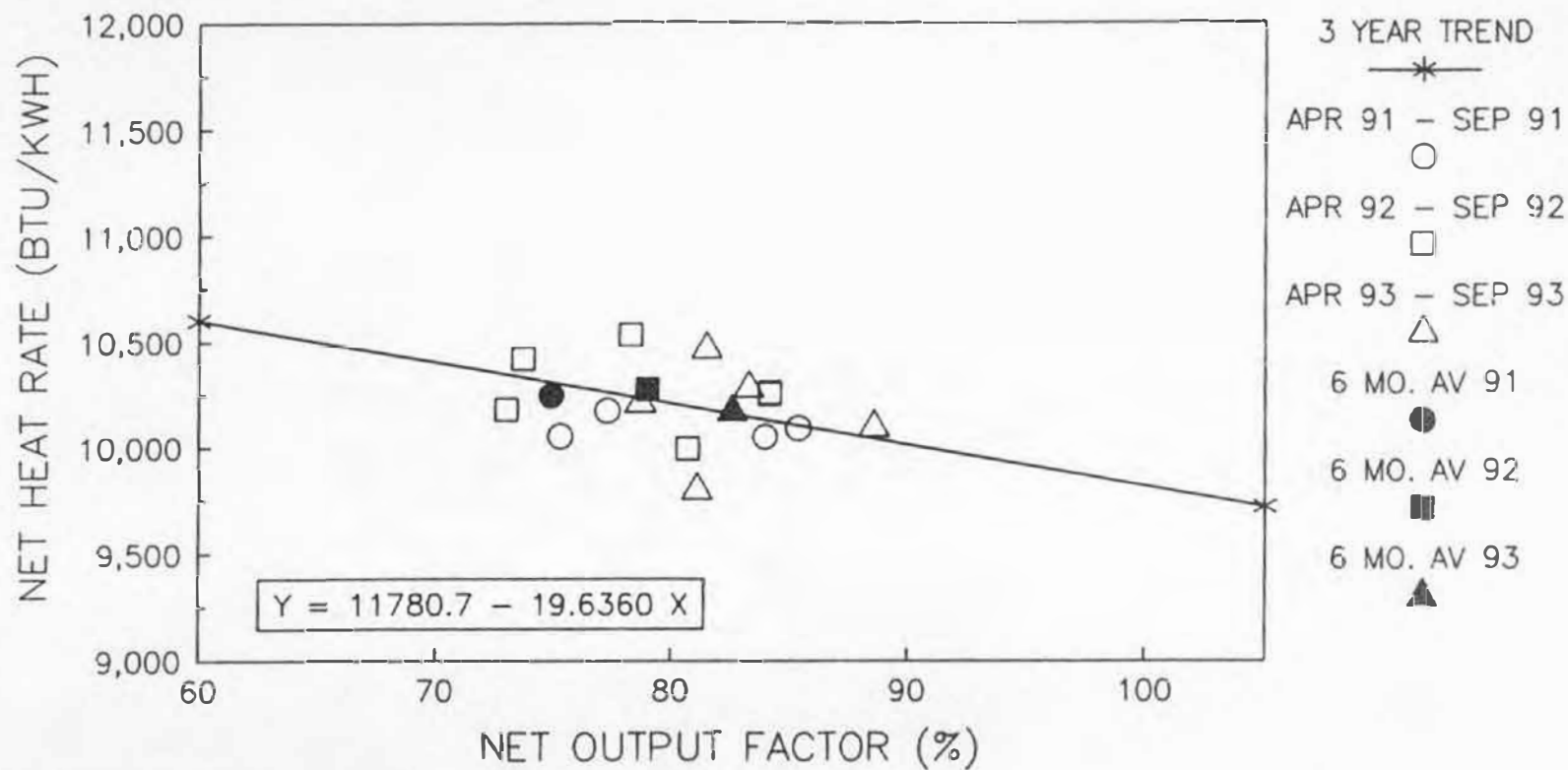
**TAMPA ELECTRIC CO.  
BIG BEND UNIT #4  
EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)**



# TAMPA ELECTRIC COMPANY

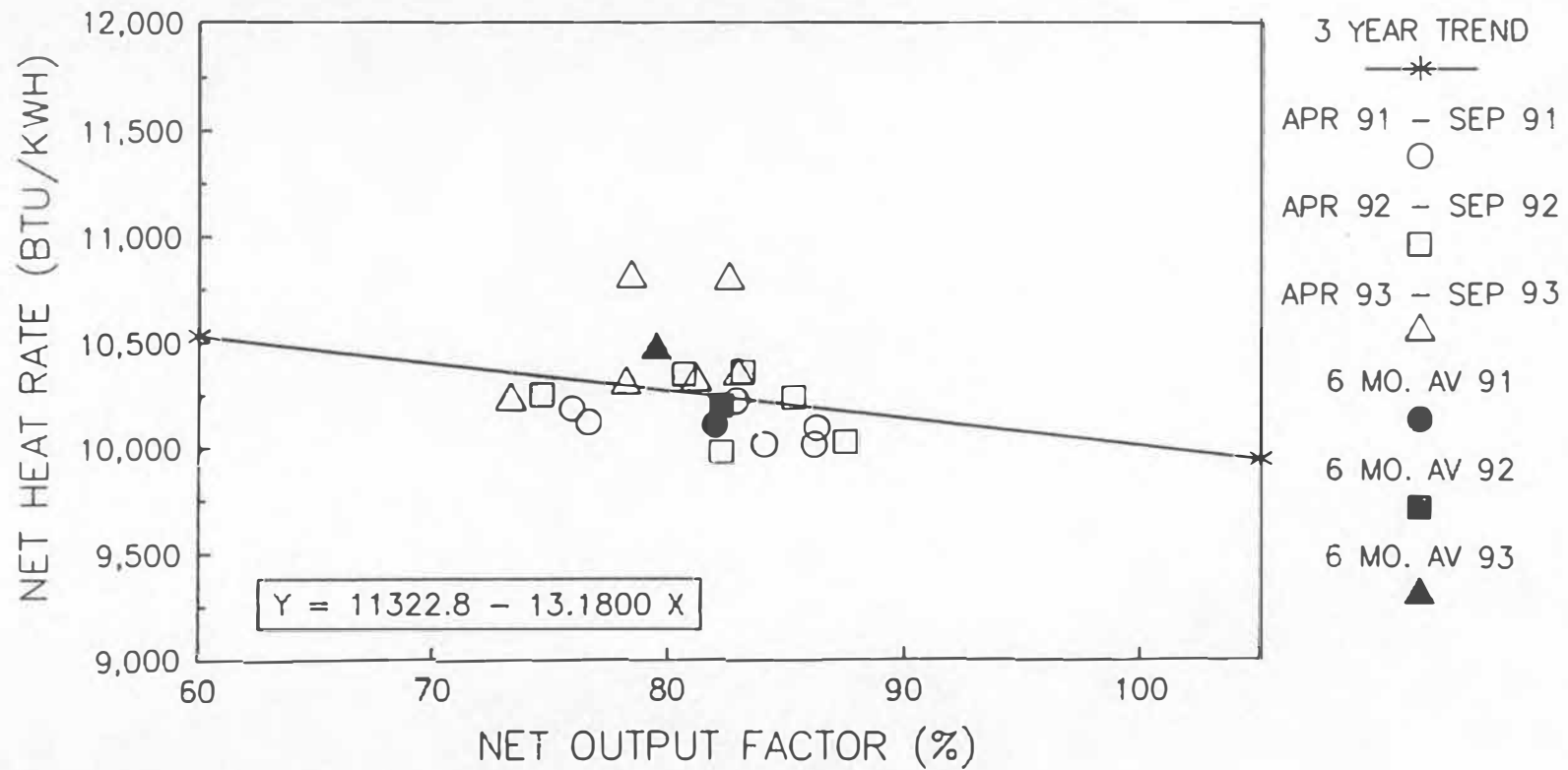
## HEAT RATE VS. NET OUTPUT FACTOR

### GANNON 5, SUMMER 1994



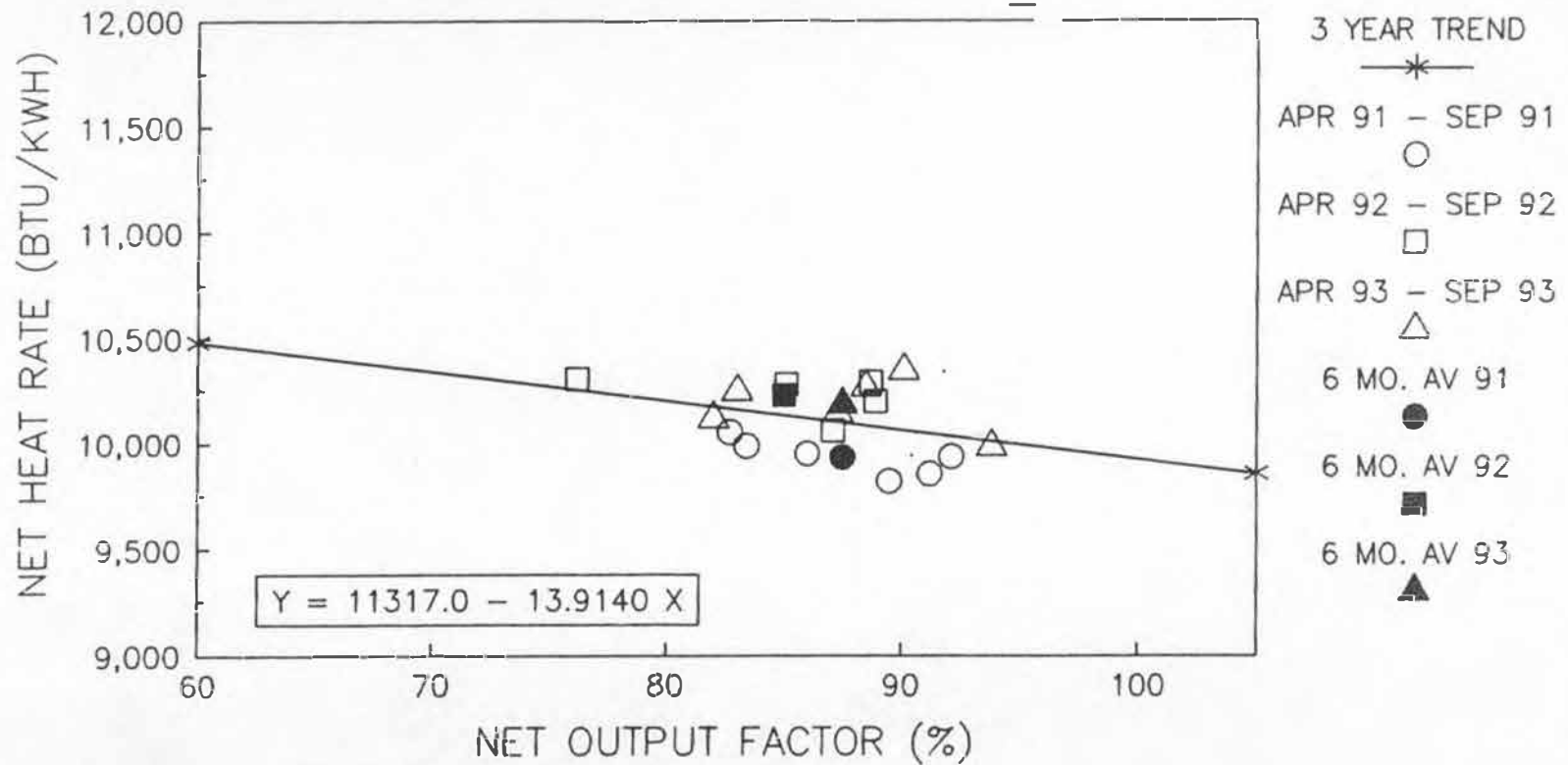
TARGET NET HEAT RATE: 10408  
 TARGET NET OUTPUT FACTOR: 69.9

TAMPA ELECTRIC COMPANY  
 HEAT RATE VS. NET OUTPUT FACTOR  
 GANNON 6, SUMMER 1994



TARGET NET HEAT RATE: 10454  
 TARGET NET OUTPUT FACTOR: 65.9

TAMPA ELECTRIC COMPANY  
 HEAT RATE VS. NET OUTPUT FACTOR  
 BIG BEND 1, SUMMER 1994



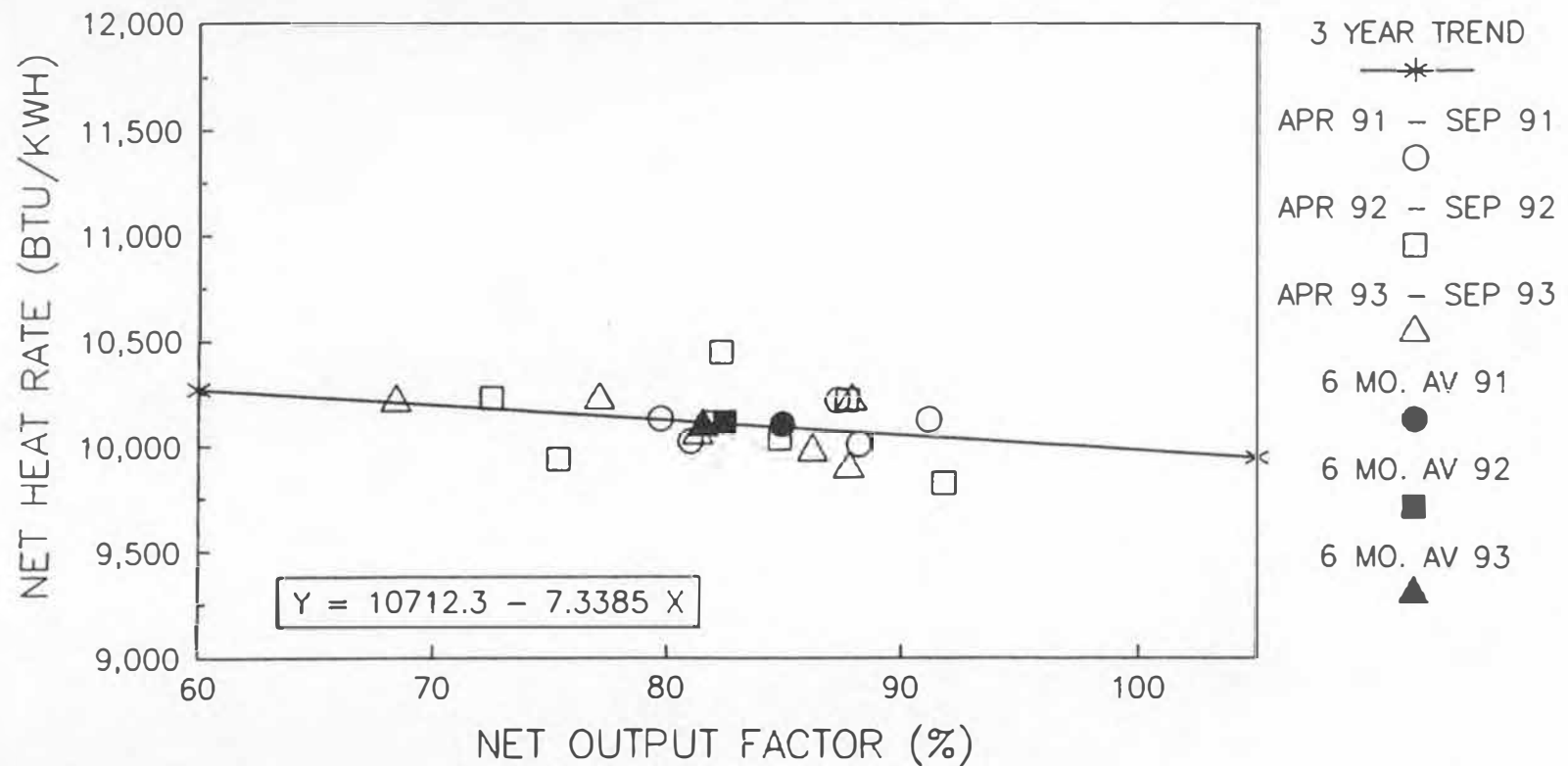
TARGET NET HEAT RATE: 10062  
 TARGET NET OUTPUT FACTOR: 90.2



# TAMPA ELECTRIC COMPANY

## HEAT RATE VS. NET OUTPUT FACTOR

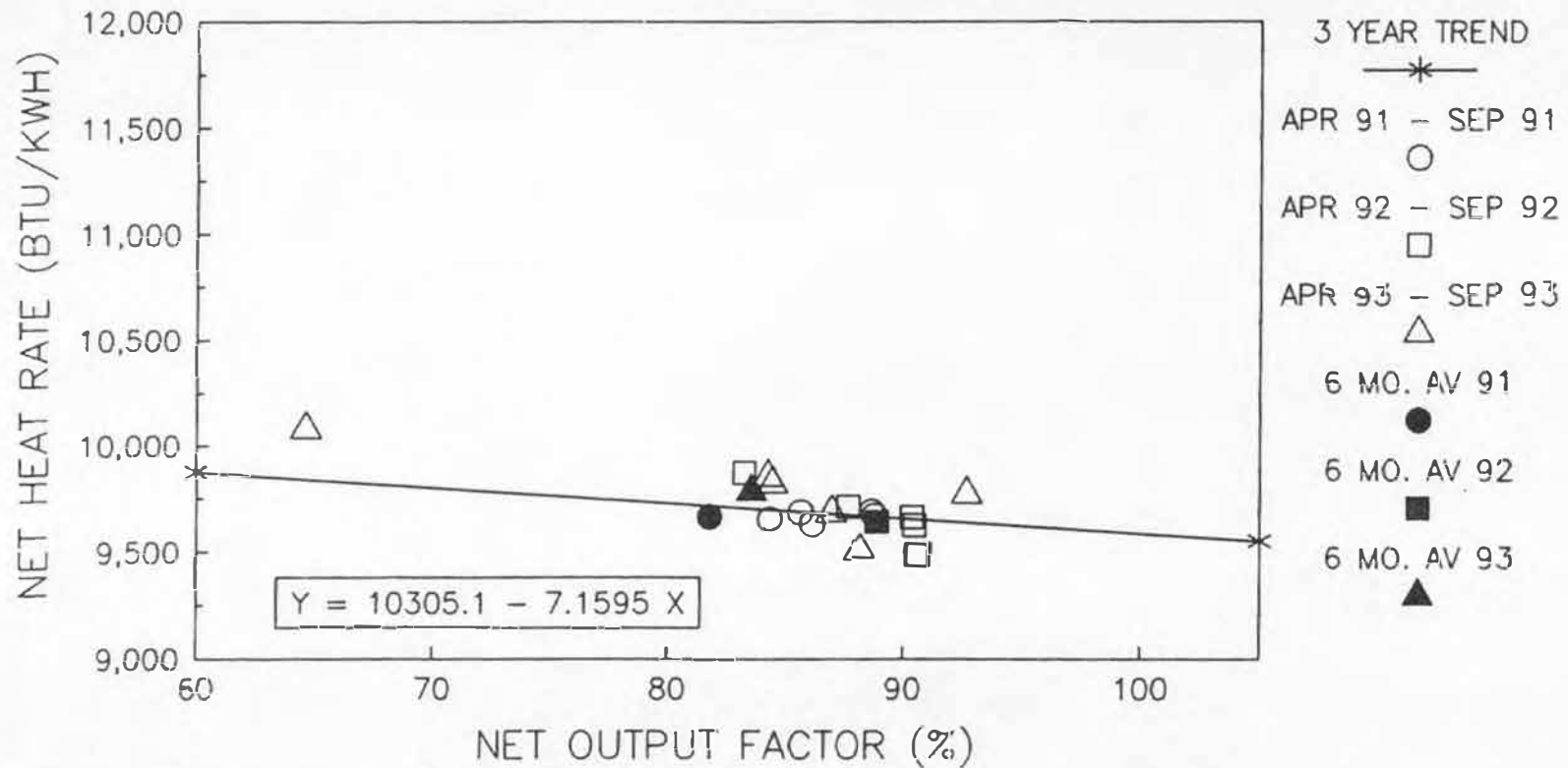
### BIG BEND 2, SUMMER 1994



# TAMPA ELECTRIC COMPANY

## HEAT RATE VS. NET OUTPUT FACTOR

### BIG BEND 3, SUMMER 1994

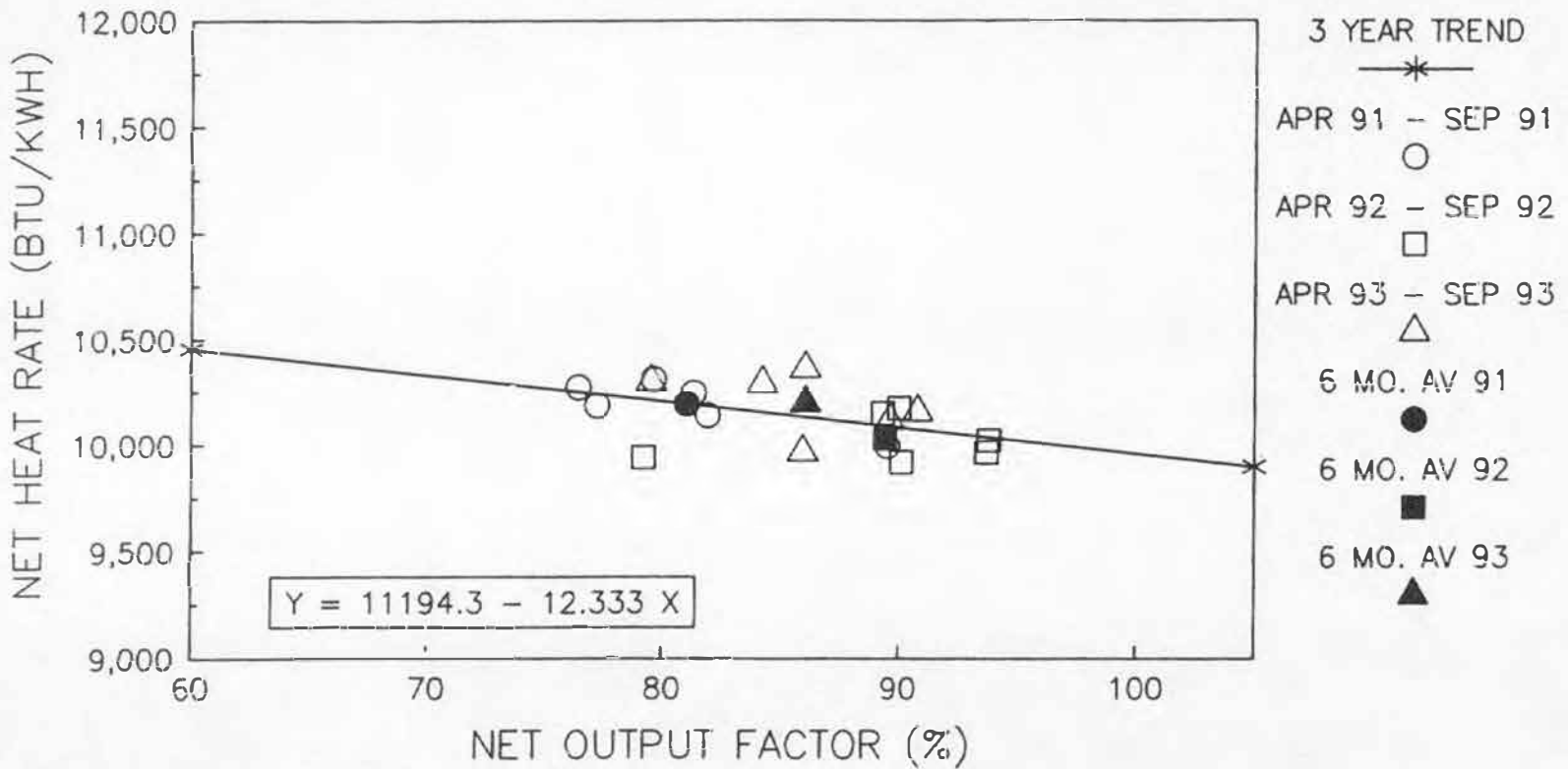


TARGET NET HEAT RATE: 9676  
 TARGET NET OUTPUT FACTOR: 87.8

# TAMPA ELECTRIC COMPANY

## HEAT RATE VS. NET OUTPUT FACTOR

### BIG BEND 4, SUMMER 1994



TARGET NET HEAT RATE: 10114  
 TARGET NET OUTPUT FACTOR: 87.6

TAMPA ELECTRIC COMPANY  
TABLE 4.2  
GENERATING UNITS IN GPIF  
APRIL 1994 - SEPTEMBER 1994

<u>UNIT</u>	<u>MDC GROSS (MW)</u>	<u>NDC NET (MW)</u>
GANNON 5	240	227
GANNON 6	375	362
BIG BEND 1	420	405
BIG BEND 2	420	406
BIG BEND 3	445	430
BIG BEND 4	<u>475</u>	<u>441</u>
TOTAL	2375	2271
SYSTEM TOTAL	3410	3262
% OF SYSTEM TOTAL	69.65%	69.62%

TAMPA ELECTRIC COMPANY  
 UNIT RATINGS  
 APRIL 1994 - SEPTEMBER 1994

<u>UNIT</u>	<u>MDC GROSS (MW)</u>	<u>NDC NET (MW)</u>
HOOKERS POINT 1	33	32
HOOKERS POINT 2	33	32
HOOKERS POINT 3	33	32
HOOKERS POINT 4	43	41
HOOKERS POINT 5	<u>70</u>	<u>67</u>
HOOKERS TOTAL	212	204
GANNON 1	125	119
GANNON 2	125	119
GANNON 3	165	155
GANNON 4	200	189
GANNON 5	240	227
GANNON 6	<u>375</u>	<u>362</u>
GANNON TOTAL	1230	1171
BIG BEND 1	420	405
BIG BEND 2	420	406
BIG BEND 3	445	430
BIG BEND 4	<u>475</u>	<u>441</u>
BIG BEND TOTAL	1760	1682
GANNON C.T.	15	15
BIG BEND C.T. 1	15	15
BIG BEND C.T. 2	65	65
BIG BEND C.T. 3	<u>65</u>	<u>65</u>
C.T. TOTAL	160	160
PHILLIPS 1	18	17
PHILLIPS 2	18	17
DINNER LAKE	<u>12</u>	<u>11</u>
SEBRING TOTAL	<u>48</u>	<u>45</u>
SYSTEM TOTAL	3410	3262

TAMPA ELECTRIC COMPANY  
 PERCENT GENERATION BY UNIT  
 APRIL 1964 - SEPTEMBER 1964

STATION	UNIT	NET OUTPUT MWH	% OF PROJECTED OUTPUT	% CUMULATIVE PROJECTED OUTPUT
BIG BEND	4	1582247	18.55%	18.55%
BIG BEND	3	1487315	17.55%	36.10%
BIG BEND	2	1443630	16.92%	53.02%
BIG BEND	1	1009822	11.84%	64.86%
GANNON	6	851211	11.15%	76.01%
GANNON	5	820912	7.28%	83.29%
GANNON	3	387310	4.66%	87.95%
GANNON	4	309519	3.63%	91.58%
GANNON	1	278101	3.28%	94.86%
GANNON	2	215372	2.52%	97.38%
HOOKERS POINT	5	85571	0.77%	98.15%
HOOKERS POINT	4	42459	0.50%	98.65%
HOOKERS POINT	2	28812	0.34%	99.00%
HOOKERS POINT	3	24580	0.29%	99.29%
HOOKERS POINT	1	18488	0.22%	99.51%
PHILLIPS	2	17186	0.20%	99.71%
PHILLIPS	1	8959	0.11%	99.82%
BIG BEND CT	2	7188	0.08%	99.90%
BIG BEND CT	3	5398	0.06%	99.96%
DINNER LAKE		4418	0.05%	99.99%
GANNON CT		968	0.01%	99.99%
BIG BEND CT	1	891	0.01%	100.00%
TOTAL GENERATION		8530330.0	100.00%	

GENERATION BY COAL UNITS: 8305448 MWH

% GENERATION BY COAL UNITS: 97.36%

GENERATION BY OIL UNITS: 224882 MWH

% GENERATION BY OIL UNITS: 2.64%

GENERATION BY GPIF UNITS: 7105148 MWH

% GENERATION BY GPIF UNITS: 83.29%

TAMPA ELECTRIC COMPANY  
GENERATING PERFORMANCE INCENTIVE FACTOR  
APRIL 1994 - SEPTEMBER 1994  
TABLE OF CONTENTS

<u>SCHEDULE</u>	<u>PAGE</u>
BIG BEND 1 - ESTIMATED UNIT PERFORMANCE DATA .....	2
BIG BEND 2 - ESTIMATED UNIT PERFORMANCE DATA .....	3
BIG BEND 3 - ESTIMATED UNIT PERFORMANCE DATA .....	4
BIG BEND 4 - ESTIMATED UNIT PERFORMANCE DATA .....	5
GANNON 1 - ESTIMATED UNIT PERFORMANCE DATA .....	6
GANNON 2 - ESTIMATED UNIT PERFORMANCE DATA .....	7
GANNON 3 - ESTIMATED UNIT PERFORMANCE DATA .....	8
GANNON 4 - ESTIMATED UNIT PERFORMANCE DATA .....	9
GANNON 5 - ESTIMATED UNIT PERFORMANCE DATA .....	10
GANNON 6 - ESTIMATED UNIT PERFORMANCE DATA .....	11
HOOKERS POINT 1 - ESTIMATED UNIT PERFORMANCE DATA .....	12
HOOKERS POINT 2 - ESTIMATED UNIT PERFORMANCE DATA .....	13
HOOKERS POINT 3 - ESTIMATED UNIT PERFORMANCE DATA .....	14
HOOKERS POINT 4 - ESTIMATED UNIT PERFORMANCE DATA .....	15
HOOKERS POINT 5 - ESTIMATED UNIT PERFORMANCE DATA .....	16
GANNON CT1 - ESTIMATED UNIT PERFORMANCE DATA .....	17
BIG BEND CT1 - ESTIMATED UNIT PERFORMANCE DATA .....	18
BIG BEND CT2 - ESTIMATED UNIT PERFORMANCE DATA .....	19
BIG BEND CT3 - ESTIMATED UNIT PERFORMANCE DATA .....	20
PHILLIPS 1 - ESTIMATED UNIT PERFORMANCE DATA .....	21
PHILLIPS 2 - ESTIMATED UNIT PERFORMANCE DATA .....	22
DINNER LAKE - ESTIMATED UNIT PERFORMANCE DATA .....	23

TAMPA ELECTRIC COMPANY  
 ESTIMATED UNIT PERFORMANCE DATA  
 APRIL 1994 - SEPTEMBER 1994

PLANT/UNIT BIG BEND 1	MONTH OF: APR 94	MONTH OF: MAY 94	MONTH OF: JUN 94	MONTH OF: JUL 94	MONTH OF: AUG 94	MONTH OF: SEP 94	PERIOD SUMMER 1994
1. EAF (%)	22.4	0.0	76.0	64.4	84.4	84.4	58.6
2. POF (%)	73.4	100.0	10.0	0.0	0.0	0.0	30.6
3. EUOF (%)	4.2	0.0	14.0	15.6	15.6	15.6	10.8
4. EUOR (%)	15.7	0.0	15.6	15.6	15.6	15.6	15.6
5. PH	719	744	720	744	744	720	4391
6. SH	174	0	586	674	674	656	2764
7. RSH	0	0	0	0	0	0	0
8. UH	545	744	134	70	70	64	1627
9. POH	528	744	72	0	0	0	1344
10. FOH & EFOH	21	0	72	53	83	79	336
11. MOH & EMOH	9	0	29	33	33	33	137
12. OPER BTU (GBTU)	640,448	0,000	2156,446	2492,636	2486,339	2382,917	10160,766
13. NET GEN (MWH)	64796	0	214596	246320	246093	237515	1009822
14. ANOHR (BTU/KWH)	9684	0	10035	10111	10111	10033	10062
15. NOF (%)	91.9	0.0	90.5	90.3	90.2	89.4	90.2
16. NSC (MW)	405	405	405	405	405	405	405

17. ANOHR EQUATION:

$$\text{ANOHR} = \text{NOF} (-13.9140) + 11317.0$$

FILED:  
 SUSPENDED:  
 EFFECTIVE: 4/01/94  
 DOCKET NO: 940001 - E1



**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT BIG BEND 2	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR 94	MAY 94	JUN 94	JUL 94	AUG 94	SEP 94	SUMMER 1994
1. EAF (%)	87.8	87.8	87.8	87.8	87.8	87.4	87.8
2. PDF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	12.4	12.4	12.4	12.4	12.4	12.8	12.4
4. EUOR (%)	12.4	12.4	12.4	12.4	12.4	12.8	12.4
5. PH	719	744	720	744	744	720	4991
6. BH	664	686	664	686	686	668	4054
7. RSH	0	0	0	0	0	0	0
8. UH	55	58	58	58	58	52	337
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	68	68	68	68	68	68	404
11. MOH & EMOH	23	24	23	24	24	23	141
12. OPER BTU (GBTU)	2428.433	2530.729	2383.224	2440.293	2428.286	2327.822	14535.587
13. NET GEN (MWH)	243325	253473	238053	240900	239599	230069	1443539
14. ANOHR (BTU/KWH)	9960	9964	10096	10130	10135	10118	10089
15. NOF (%)	90.3	91.0	87.8	86.5	86.0	84.8	87.7
16. NSC (MW)	406	406	406	406	406	406	406

17. ANOHR EQUATION:  $ANOHR = NOF (-7.3385) + 10712.3$

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940001 - E1

TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994

PLANT/UNIT BIG BEND 3	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR 94	MAY 94	JUN 94	JUL 94	AUG 94	SEP 94	SUMMER 1994
1. EAF (%)	83.6	83.5	83.6	83.5	83.5	83.3	83.5
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	16.4	16.5	16.4	16.5	16.5	16.7	16.5
4. EUOR (%)	16.4	16.5	16.4	16.5	16.5	16.7	16.5
5. PH	719	744	720	744	744	720	4391
6. SH	649	671	649	671	671	654	3965
7. RSH	0	0	0	0	0	0	0
8. UH	70	73	71	73	73	66	426
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	78	81	78	81	81	80	479
11. MOH & EMOH	40	42	40	42	42	40	246
12. OPER BTU (GBTU)	2368.973	2489.357	2391.827	2442.866	2436.653	2359.057	14486.763
13. NET GEN (MWH)	245572	256809	246771	252635	251990	243539	1497315
14. ANOHR (BTU/KWH)	9647	9693	9692	9670	9670	9687	9676
15. NOF (%)	88.0	89.0	88.4	87.8	87.3	86.6	87.8
16. NSC (MW)	430	430	430	430	430	430	430

17. ANOHR EQUATION:  $ANOHR = NOF (-7.1595) + 10305.1$

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940001-EI

**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT BIG BEND 4	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR 94	MAY 94	JUN 94	JUL 94	AUG 94	SEP 94	SUMMER 1994
1. EAF (%)	88.2	88.0	88.2	88.0	88.0	88.2	88.1
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	11.8	12.0	11.8	12.0	12.0	11.8	11.9
4. EUOR (%)	11.8	12.0	11.6	12.0	12.0	11.8	11.9
5. PH	719	744	720	744	744	720	4391
6. SH	671	683	671	683	653	674	4035
7. RSH	0	0	0	0	0	0	0
8. UH	48	51	49	51	51	48	266
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	68	71	68	71	71	68	417
11. MOH & EMOH	17	18	17	18	18	17	105
12. OPER BTU (GBTU)	2649.522	2765.023	2631.098	2692.630	2682.801	2581.462	16002.734
13. NET GEN (MWH)	265391	274984	259834	264041	263045	254772	1582247
14. ANOHR (BTU/KWH)	9976	10056	10126	10199	10199	10132	10114
15. NOF (%)	89.8	90.0	87.8	88.4	86.1	85.7	87.6
16. NSC (MW)	441	441	441	441	441	441	441

17. ANOHR EQUATION:  $ANOHR = NOF (-12.3330) + 11194.3$

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940001-EI

TAMPA ELECTRIC COMPANY  
 ESTIMATED UNIT PERFORMANCE DATA  
 APRIL 1994 - SEPTEMBER 1994

PLANT/UNIT GANNON 1	MONTH OF: APR94	MONTH OF: MAY94	MONTH OF: JUN94	MONTH OF: JUL94	MONTH OF: AUG94	MONTH OF: SEPT94	PERIOD SUMMER 1994
1. EAF (%)	90.7	95.0	95.3	95.3	92.9	94.0	93.9
2. POF (%)	3.3	0.0	0.0	0.0	0.0	0.0	0.5
3. EUOF (%)	6.0	5.0	4.7	4.7	7.1	6.0	5.6
4. EUOR (%)	7.0	7.2	7.1	7.1	7.1	7.0	7.1
5. PH	719	744	720	744	744	720	4391
6. SH	591	495	462	478	717	593	3336
7. RSH	63	230	241	249	0	108	909
8. UH	45	19	17	17	27	21	146
9. POH	24	0	0	0	0	0	24
10. FOH & EFOH	27	23	21	22	33	27	153
11. MOH & EMOH	16	14	13	13	20	16	92
12. OPER BTU (GBTU)	479,669	522,396	469,962	493,060	631,534	517,297	3113,938
13. NET GEN (MWH)	42957	47349	42328	44070	55471	45928	278101
14. ANOHR (BTU/KWH)	11186	11033	11104	11186	11385	11263	11197
15. NOF (%)	61.1	60.4	77.0	77.5	65.0	65.1	70.1
16. NSC (MW)	119	119	119	119	119	119	119

FILED:  
 SUSPENDED:  
 EFFECTIVE: 4/01/94  
 DOCKET NO. : 940001 - E

TAMPA ELECTRIC COMPANY  
 ESTIMATED UNIT PERFORMANCE DATA  
 APRIL 1994 - SEPTEMBER 1994

PLANT/UNIT GANNON 2	MONTH OF: APR94	MONTH OF: MAY94	MONTH OF: JUN94	MONTH OF: JUL94	MONTH OF: AUG94	MONTH OF: SEP94	PERIOD SUMMER 1994
1. EAF (%)	77.3	86.4	89.4	89.5	84.3	90.3	82.8
2. POF (%)	10.0	22.8	0.0	0.0	0.0	0.0	5.5
3. EUOF (%)	12.7	11.0	10.8	10.5	15.7	9.7	11.7
4. EUOR (%)	15.9	15.8	15.9	15.8	15.8	15.9	15.9
5. PH	719	744	720	744	744	720	4391
6. SH	502	454	418	432	649	386	2841
7. RSH	74	58	243	251	4	279	909
8. UH	143	232	59	61	91	59	641
9. POH	72	168	0	0	0	0	240
10. FOH & EFOH	60	54	50	51	77	46	338
11. MOH & EMOH	31	26	26	27	40	24	176
12. OPER BTU (3BTU)	563,575	408,679	401,484	401,146	528,689	353,625	2462,181
13. NET GEN (MWH)	32515	36577	35583	34764	44839	31074	213372
14. ANOHR (BTU/KWH)	11336	11173	11283	11533	11790	11980	11432
15. NOF (%)	54.4	67.7	71.5	67.7	58.1	67.6	63.7
16. NSC (MW)	119	119	119	119	119	119	119

FILED:  
 SUSPENDED:  
 EFFECTIVE: 4/01/94  
 DOCKET NO. : 940001-EI

**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT GANNON 3	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR94	MAY94	JUN94	JUL94	AUG94	SEP94	SUMMER 1994
1. EAF (%)	92.5	92.5	93.2	92.5	92.5	92.5	92.6
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	7.5	7.5	6.8	7.5	7.5	7.5	7.4
4. EUOR (%)	7.5	7.5	7.6	7.5	7.5	7.5	7.5
5. PH	719	744	720	744	744	720	4391
6. SH	667	689	594	689	689	667	3995
7. RSH	-1	0	78	0	0	0	77
8. UH	53	55	48	55	55	53	319
9. POH	0	0	0	0	0	0	0
10. FCH & EFOH	38	39	34	39	39	38	227
11. MOH & EMOH	16	17	15	17	17	16	96
12. OPER BTU (GBTU)	666.589	813.306	703.346	778.605	777.108	714.200	4455.554
13. NET GEN (MWH)	59942	73606	63203	68823	68609	63125	397310
14. ANOHR (BTU/KWH)	11161	11049	11128	11313	11327	11314	11214
15. NOF (%)	58.0	68.9	58.5	64.4	64.2	51.1	64.2
16. NSC (MW)	155	155	155	155	155	155	155

FILED:  
SUSPENDED:  
EFFECTIVE: 4/1/94  
DOCKET NO. : 940001 -EI

TAMPA ELECTRIC COMPANY  
 ESTIMATED UNIT PERFORMANCE DATA  
 APRIL 1994 - SEPTEMBER 1994

PLANT/UNIT GANNON 4	MONTH OF: APR94	MONTH OF: MAY94	MONTH OF: JUN94	MONTH OF: JUL94	MONTH OF: AUG94	MONTH OF: SEPT94	PERIOD SUMMER 1994
1. EAF (%)	86.4	86.8	86.4	86.6	83.5	0.0	63.3
2. POF (%)	0.0	0.0	0.0	0.0	61.3	100.0	26.8
3. EUOF (%)	13.8	13.4	13.8	13.4	5.2	0.0	9.9
4. EUOR (%)	13.6	13.5	13.8	13.5	13.6	0.0	13.6
5. PH	719	744	720	744	744	720	4301
6. SH	652	674	652	674	281	0	2913
7. RSH	1	3	2	3	1	0	10
8. UH	66	67	66	67	482	720	1468
9. POH	0	0	0	0	456	720	1176
10. FOH & EFOH	69	71	69	71	26	0	308
11. MOH & EMOH	29	29	29	29	11	0	127
12. OPER BTU (GBTU)	635,749	614,620	761,670	783,794	312,299	0,000	3308,332
13. NET GEN (MWH)	59019	77067	70294	73975	29164	0	309519
14. AMOHR (BTU/KWH)	10772	10570	10696	10731	10708	0	10689
15. NOF (%)	47.9	60.5	57.0	56.1	59.1	0.0	56.2
16. NSC (MW)	169	160	169	169	169	169	169

FILED:  
 SUSPENDED:  
 EFFECTIVE: 4/01/94  
 DOCKET NO. : 940001--E1

TAMPA ELECTRIC COMPANY  
 ESTIMATED UNIT PERFORMANCE DATA  
 APRIL 1994 - SEPTEMBER 1994

PLANT/UNIT GANNON 5	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR 94	MAY 94	JUN 94	JUL 94	AUG 94	SEP 94	SUMMER 1994
1. EAF (%)	63.4	66.4	66.5	66.4	66.4	66.7	62.7
2. POF (%)	26.7	0.0	0.0	0.0	0.0	0.0	4.4
3. EUOF (%)	9.9	13.6	13.5	13.6	13.6	13.3	12.9
4. EUOR (%)	13.5	13.6	13.5	13.6	13.6	13.3	13.5
5. PH	719	744	720	744	744	720	4391
6. SH	492	693	671	693	693	671	3913
7. RSH	0	0	0	0	0	0	0
8. LH	227	51	49	51	51	49	476
9. POH	192	0	0	0	0	0	192
10. FOH & EFOH	66	62	79	62	62	79	462
11. MOH & EMOH	13	19	18	19	19	17	105
12. OPER BTU (GBTU)	762.677	1202.002	1129.671	1149.638	1143.942	1074.211	6462.541
13. NET GEN (MWH)	74339	117260	106769	109110	106494	102930	620912
14. ANOHR (BTU/KWH)	10262	10252	10384	10539	10544	10436	10408
15. NOF (%)	66.6	74.5	71.4	69.4	69.0	67.6	69.9
16. NBC (MW)	227	227	227	227	227	227	227

17. ANOHR EQUATION:  $ANOHR = NOF (-19.6860) + 11780.7$

FILED:  
 SUSPENDED:  
 EFFECTIVE: 4/01/94  
 DOCKET NO. : 940001-EI



**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT GANNON 6	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR 94	MAY 94	JUN 94	JUL 94	AUG 94	SEP 94	SUMMER 1994
1. EAF (%)	83.0	83.2	83.1	83.2	83.2	82.9	83.1
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	17.0	16.8	16.9	18.8	16.8	17.1	16.9
4. EUOR (%)	17.0	16.8	16.9	18.8	16.8	17.1	16.9
5. PH	719	744	720	744	744	720	4391
6. SH	653	675	653	675	675	656	3967
7. RSH	0	0	0	0	0	0	0
8. UH	66	69	67	69	69	64	404
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	100	103	100	103	103	101	610
11. MOH & EMOH	22	22	22	22	22	22	132
12. OPER BTU (GBTU)	1508.731	1796.295	1669.392	1696.997	1685.116	1587.655	9944.166
13. NET GEN (MWH)	144975	173845	160091	161022	159775	151503	951211
14. ANOHR (BTU/KWH)	10407	10333	10428	10539	10547	10479	10454
15. NOF (%)	61.3	71.1	67.7	65.9	65.4	63.8	65.3
16. NSC (MW)	362	362	362	362	362	362	362

17. ANOHR EQUATION:  $ANOHR = NOF (-13.1800) + 11322.6$

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940001 -E1

**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT HOOKERS POINT 1	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR94	MAY94	JUN94	JUL94	AUG94	SEP94	SUMMER 1994
1. EAF (%)	90.6	92.8	92.5	25.1	77.8	92.4	79.6
2. POF (%)	0.0	0.0	0.0	74.2	16.1	0.0	15.3
3. EUOF (%)	0.4	7.4	7.5	0.7	6.0	7.6	4.9
4. EUOR (%)	13.6	15.0	14.9	16.1	14.7	15.1	14.9
5. PH	719	744	720	744	744	720	4591
6. SH	19	311	308	29	262	310	1236
7. RSH	697	378	356	161	317	356	2286
8. UH	3	55	54	557	165	55	860
9. FOH	0	0	0	552	120	0	672
10. FOH & EFOH	3	47	46	4	39	47	186
11. MOH & EMOH	0	8	8	1	6	8	31
12. OPER BTU (GBTU)	8,486	58,771	73,483	12,273	77,641	79,962	310,616
13. NET GEN (MWH)	567	3261	4323	805	4714	4796	18466
14. ANOHR (BTU/KWH)	14986	18022	18998	15246	16470	16673	16621
15. NOF (%)	93.3	32.8	43.9	96.8	56.2	48.3	46.7
16. NSC (MW)	32	32	32	32	32	32	32

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940001 - E1

TAMPA ELECTRIC COMPANY  
 ESTIMATED UNIT PERFORMANCE DATA  
 APRIL 1994 - SEPTEMBER 1994

PLANT/UNIT HOOKERS POINT 2	MONTH OF: APR94	MONTH OF: MAY94	MONTH OF: JUN94	MONTH OF: JUL94	MONTH OF: AUG94	MONTH OF: SEP94	PERIOD SUMMER 1994
1. EAF (%)	48.0	96.2	96.1	96.1	95.8	96.1	88.2
2. POF (%)	50.1	0.0	0.0	0.0	0.0	0.0	8.2
3. EUOF (%)	1.9	3.8	3.9	3.9	4.2	3.9	3.8
4. EUOR (%)	7.7	7.4	7.5	7.5	7.5	7.4	7.5
5. PH	719	744	720	744	744	720	4991
6. SH	167	350	348	360	380	350	1913
7. RSH	178	366	348	355	333	342	1920
8. UH	374	28	28	29	31	26	1516
9. POH	360	0	0	0	0	0	300
10. FOH & EFOH	5	10	10	10	11	10	56
11. MOH & EMCH	9	16	16	16	20	16	102
12. OPER BTU (GBTU)	25,048	53,473	70,480	79,630	99,000	78,213	405,144
13. NET GEN (MWH)	1758	3738	5002	5630	7085	5569	21812
14. ANOHR (BTU/KWH)	14167	14305	14060	14144	13973	13994	14086
15. NOF (%)	33.1	33.4	45.2	48.9	58.3	49.9	48.1
16. NSC (MW)	32	32	32	32	32	32	32

FILED:  
 SUSPENDED:  
 EFFECTIVE: 4/01/94  
 DOCKET NO. : 940001-EI

**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT HOOKERS POINT 3	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR94	MAY94	JUN94	JUL94	AUG94	SEPT94	SUMMER 1994
1. EAF (%)	97.2	97.3	99.7	10.9	71.2	97.2	78.6
2. POF (%)	0.0	0.0	0.0	67.1	25.8	0.0	19.1
3. EUOF (%)	2.8	2.7	0.3	2.0	3.0	2.6	2.3
4. EUOR (%)	5.8	5.5	5.1	5.4	5.5	5.5	5.5
5. PH	719	744	720	744	744	720	4301
6. SH	335	345	37	261	375	345	1678
7. RSH	364	379	681	-180	155	355	1754
8. UH	20	20	2	663	214	20	939
9. POH	0	0	0	648	192	0	540
10. FOH & EFOH	13	13	1	10	14	13	64
11. MOH & EMOH	7	7	1	5	8	7	35
12. OPER BTU (GJTU)	63.631	66.063	8.822	67.079	111.068	90.927	409.790
13. NET GEN (MWH)	3665	3901	533	4002	6849	6630	24580
14. ANOHR (BTU/ACWH)	17416	17448	16552	16761	16217	16150	16672
15. NOF (%)	34.2	35.3	45.0	47.9	57.1	51.0	45.2
16. NSC (MW)	32	32	32	32	32	32	32

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940001 -EI

TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994

PLANT/UNIT HOOKERS POINT 4	MONTH OF: APR94	MONTH OF: MAY94	MONTH OF: JUN94	MONTH OF: JUL94	MONTH OF: AUG94	MONTH OF: SEP94	PERIOD SUMMER 1994
1. EAF (%)	96.2	96.2	96.1	96.2	74.5	96.1	92.5
2. POF (%)	0.0	0.0	0.0	0.0	22.6	0.0	3.8
3. EUOF (%)	9.8	3.8	3.9	3.8	3.1	3.9	3.7
4. EUCR (%)	7.5	7.6	7.3	7.3	7.3	7.5	7.4
5. PH	719	744	720	744	744	720	4391
6. SH	333	342	353	355	290	344	2017
7. RSH	359	374	339	361	263	348	2044
8. UH	27	28	28	28	191	28	330
9. POH	0	0	0	0	168	0	168
10. FOH & EFOH	18	19	19	19	16	19	110
11. MOH & EMOH	9	9	9	9	7	9	52
12. OPER BTU (GJ/TU)	79.909	84.613	105.509	112.774	104.984	111.642	601,931
13. NET GEN (MWH)	5555	5827	7551	7914	7822	7990	42459
14. ANOHR (TU/KWH)	14385	14521	14117	14250	14957	13973	14177
15. NOF (%)	40.7	41.6	52.9	54.4	66.3	56.7	51.3
16. NSC (MWH)	41	41	41	41	41	41	.11

FILED:  
SUSPENDED:  
EFFECTIVE: 4/21/94  
DOCKET NO. : 940001-5

**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 ~ SEPTEMBER 1994**

PLANT/UNIT HOOKERS POINT 5	MONTH OF: APR94	MONTH OF: MAY94	MONTH OF: JUN94	MONTH OF: JUL94	MONTH OF: AUG94	MONTH OF: SEP94	PERIOD SUMMER 1994
1. EAF (%)	89.4	88.5	88.9	89.1	82.4	83.2	83.1
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	16.6	16.5	16.7	16.9	17.6	16.8	16.9
4. EUOR (%)	26.3	26.3	26.2	26.3	26.3	26.1	26.3
5. PH	719	744	720	744	744	720	4391
6. SH	302	312	305	319	332	309	1879
7. RSH	296	309	295	299	281	290	1772
8. UH	119	123	120	126	131	121	740
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	48	50	46	51	53	49	299
11. MOH & EMOH	71	73	72	75	78	72	441
12. OPER BTU (GBTU)	127.776	136.705	155.796	171.467	197.417	169.778	936.839
13. NET GEN (MWH)	8302	8869	10626	11795	14074	11905	65571
14. ANOHR (BTU/KWH)	15391	15414	14682	14537	14027	14261	14624
15. NOF (%)	41.0	42.4	52.0	55.2	63.3	57.5	52.1
16. NSC (MW)	67	67	67	67	67	67	67

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 9400011 - E1

**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT GANNON CT 1	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR94	MAY94	JUN94	JUL94	AUG94	SEP94	SUMMER 1994
1. EAF (%)	59.0	99.5	99.3	99.3	98.8	99.3	91.6
2. POF (%)	46.7	0.0	0.0	0.0	0.0	0.0	7.7
3. EUOF (%)	0.3	0.4	0.7	0.7	1.2	0.7	0.7
4. EUOR (%)	40.0	27.3	31.3	27.8	30.0	33.3	30.5
5. PH	719	744	720	744	744	720	4391
6. SH	5	8	11	13	21	10	66
7. RSH	378	733	704	726	714	705	3660
8. UH	338	3	5	5	9	5	365
9. POH	336	0	0	0	0	0	336
10. FOH & EFOH	1	2	3	3	5	3	17
11. MOH & EMOH	1	1	2	2	4	2	12
12. OPER BTU (GBTU)	0.938	2.269	2.876	3.442	5.854	2.827	18.206
13. NET GEN (MWH)	50	121	153	183	311	150	968
14. ANOHR (BTU/KWH)	18760	18762	18797	18809	18823	18847	18808
15. NOF (%)	111.1	100.8	92.7	93.8	98.7	100.0	97.8
16. NSC (MW)	15	15	15	15	15	15	15

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940001 - E1

**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT REG REND CT 1	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR94	MAY94	JUN94	JUL94	AUG94	SEP94	SUMMER 1994
1. EAF (%)	99.6	99.8	53.1	99.3	98.8	99.3	91.7
2. POF (%)	0.0	0.0	46.7	0.0	0.0	0.0	7.7
3. EUOF (%)	0.4	0.4	0.3	0.7	1.2	0.7	0.8
4. EUOR (%)	33.3	27.3	28.8	29.4	31.0	33.3	30.7
5. PH	719	744	720	744	744	720	4391
6. SH	6	8	5	12	20	10	61
7. RSH	710	733	377	727	715	705	3967
8. UH	3	3	338	5	9	5	363
9. POH	0	0	336	0	0	0	336
10. FOH & EFOH	2	2	1	3	5	3	18
11. MOH & EMOH	1	1	1	2	4	2	11
12. OPER BTU (GBTU)	1.672	2.132	1.469	3.258	5.570	2.670	16.771
13. NET GEN (MWH)	69	113	76	173	296	142	691
14. ANOHR (BTU/KWH)	16787	16867	16833	16832	16816	16803	16823
15. NOF (%)	98.9	94.2	104.0	96.1	98.7	94.7	97.4
16. NSC (MW)	15	15	15	15	15	15	15

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940001-EI



**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT BIG BEND CT 2	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR 94	MAY 94	JUN 94	JUL 94	AUG 94	SEP 94	WINTER 1994
1. EAF (%)	99.4	99.2	98.9	98.9	98.1	98.9	98.9
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. BUOF (%)	0.6	0.8	1.1	1.1	1.9	1.1	1.1
4. BUOR (%)	23.5	28.6	28.6	25.8	27.5	28.6	27.3
5. PH	719	744	720	744	744	720	4391
6. SH	13	15	20	23	37	20	128
7. RSH	702	723	692	713	693	692	4215
8. UH	4	6	8	8	14	8	48
9. POH	0	0	0	0	0	0	0
10. FOH & BFOH	2	3	4	4	7	4	24
11. MOH & EMOH	2	3	4	4	7	4	24
12. OPER BTU (GBTI)	11.443	13.162	17.949	21.202	34.348	17.777	115.881
13. NET GEN (MWH)	708	815	1115	1318	2139	1103	7198
14. ANOHR (BTU/KW)	16162	16150	16098	16086	16058	16117	16099
15. NOF (%)	83.8	83.6	85.8	88.2	88.9	84.8	86.5
16. NSC (MW)	65	65	65	65	65	65	65

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO: 940001-EI

**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT BIG BEND CT 3	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR94	MAY94	JUN94	JUL94	AUG94	SEPT94	SUMMER 1994
1. EAF (%)	99.4	94.6	99.2	99.2	98.7	99.2	91.5
2. POF (%)	0.0	45.2	0.0	0.0	0.0	0.0	7.7
3. EUOF (%)	0.6	0.3	0.8	0.8	1.3	0.8	0.8
4. EUOR (%)	28.6	25.0	27.3	25.0	25.0	28.6	26.4
5. PH	719	744	720	744	744	720	4391
6. SH	10	6	16	16	30	15	95
7. RSH	705	400	696	720	704	699	3928
8. UH	4	338	6	6	10	6	370
9. POH	0	336	0	0	0	0	336
10. FOH & EFOH	2	1	3	3	5	3	17
11. MOH & EMOH	2	1	3	3	5	3	17
12. OPER BTU (GBTU)	6.724	5.854	14.039	16.723	27.703	13.642	66.686
13. NET GEN (MWH)	539	367	871	1038	1723	656	6396
14. ANOHR (BTU/KWH)	16166	15951	16116	16111	16078	16133	16102
15. NOF (%)	62.9	94.1	83.8	68.7	68.4	68.0	67.4
16. NSC (MW)	65	65	65	65	65	65	65

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940001 - E1

**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT PHILLIPS 1	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR94	MAY94	JUN94	JUL94	AUG94	SEP94	SUMMER 1994
1. EAF (%)	99.8	98.4	98.3	24.6	79.4	95.7	81.9
2. POF (%)	0.0	0.0	0.0	74.2	16.1	0.0	15.3
3. EUOF (%)	1.4	1.8	3.8	1.2	4.4	4.3	2.8
4. EUOR (%)	18.5	18.2	18.5	18.8	18.5	18.3	18.5
5. FH	719	744	720	744	744	720	4591
6. SH	44	54	119	39	145	138	559
7. RBH	685	678	574	144	446	551	3058
8. UH	10	12	27	561	153	31	794
9. POH	0	0	0	552	120	0	672
10. FOH & EFOH	3	4	9	3	11	10	40
11. MOH & EMOH	7	8	18	6	22	21	82
12. OPER BTU/(GEN/J)	6,899	8,522	18,839	6,207	23,189	21,988	85,624
13. NET GEN (MMW)	721	891	1970	650	2428	2269	8959
14. ANOHR (BTU/KWH)	9569	9565	9563	9549	9551	9555	9557
15. MOF (%)	96.4	97.1	97.4	98.0	98.5	98.0	97.8
16. HSC (MM)	17	17	17	17	17	17	17

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/93  
DOCKET NO. : 930001 - E1

TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994

PLANT/UNIT PHILLIPS 2	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR94	MAY94	JUN94	JUL94	AUG94	SEP94	SUMMER 1994
1. EAF (%)	95.7	95.8	93.3	96.0	96.0	93.8	95.1
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	4.3	4.2	6.7	4.0	4.0	6.3	4.9
4. EUOR (%)	18.3	18.3	18.2	18.2	16.2	18.3	18.3
5. PH	719	744	720	744	744	720	4391
6. SH	138	138	216	135	135	201	963
7. RSH	550	575	456	579	579	474	3213
8. UH	31	31	48	30	30	45	215
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	10	10	16	10	10	15	71
11. MOH & EMOH	21	21	32	20	20	30	144
12. OPER BTU (G&TL)	23,341	24,622	38,798	24,103	23,411	35,989	170,284
13. NET GEN (MWH)	2326	2491	3924	2439	2346	3640	17166
14. ANOHR (BTU/RWH)	10035	9884	9887	9882	9979	9887	9919
15. NOF (%)	93.6	100.3	100.9	100.4	96.5	100.6	99.0
16. NSC (MWH)	18	18	18	18	18	18	18

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/93  
DOCKET NO. : 930001 - E1

**TAMPA ELECTRIC COMPANY  
ESTIMATED UNIT PERFORMANCE DATA  
APRIL 1994 - SEPTEMBER 1994**

PLANT/UNIT DINNER LAKE	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
	APR94	MAY94	JUN94	JUL94	AUG94	SEP94	SUMMER 1994
1. EAF (%)	89.3	86.5	97.5	96.8	95.3	96.7	97.5
2. POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF (%)	0.7	0.7	2.5	3.2	4.7	3.3	2.5
4. EUOR (%)	20.0	20.0	21.2	21.6	21.5	21.2	21.4
5. PH	719	744	720	744	744	720	4991
6. SH	20	20	67	87	128	66	408
7. RSH	694	719	635	633	591	610	3572
8. UH	5	5	18	24	35	24	111
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	2	2	8	11	16	11	50
11. MOH & EMOH	3	3	10	13	19	13	61
12. OPER BTU (QBTU)	3.031	3.050	10.185	13.186	19.373	13.015	61.840
13. NET GEN (MMW)	216	218	727	942	1384	929	4416
14. ANOHR (BTU/KWH)	14032	13991	14010	13998	13998	14010	14004
15. NOF (%)	98.2	99.1	98.6	98.4	98.3	98.2	98.4
16. NSC (MW)	11	11	11	11	11	11	11

FILED:  
SUSPENDED:  
EFFECTIVE: 4/01/94  
DOCKET NO. : 940001-EI