



TAMPA ELECTRIC COMPANY
BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION
DOCKET NO. 000001-EI

TESTIMONY
AND EXHIBIT OF
BRIAN S. BUCKLEY

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FPSC-RECORDS/REPORTING

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

BRIAN S. BUCKLEY

Q. Please state your name, business address, occupation and employer.

A. My name is Brian S. Buckley. My mailing address is Post Office Box 111, Tampa, Florida 33601 and my business address is 6944 U.S. Highway 41 North, Apollo Beach, Florida 33572. I am employed by Tampa Electric Company ("Tampa Electric" or "company") in the position of Generation Operations Engineer - Energy Supply in the Financial Services Department.

Q. Please provide a brief outline of your educational background and business experience.

A. In 1997, I received a Bachelor of Mechanical Engineering Degree from the Georgia Institute of Technology in Atlanta, Georgia. After graduation, I worked 2 years at Siemens and subsequently joined Tampa Electric in 1999. Currently, I am responsible for unit performance analysis and reporting of generation statistics.

1 Q. What is the purpose of your testimony?

2

3 A. My testimony presents Tampa Electric's methodology for
4 determining the various factors required to compute the
5 Generating Performance Incentive Factor (GPIF) as ordered
6 by the Commission.

7

8 Q. Have you prepared any exhibits to support your testimony?

9

10 A. Yes, Exhibit No. _____ (BSB-2), consisting of two
11 documents, was prepared under my direction and
12 supervision. Document No. 1, Part A entitled "Tampa
13 Electric Company, Generating Performance Incentive Factor
14 for January 2001 through December 2001" is consistent
15 with the GPIF Implementation Manual previously approved
16 by the Commission. In addition, Document 1, Part B
17 provides the company's estimate of Unit Performance Data
18 for the 2001 period. Finally, Document No. 2 is a
19 summary of the GPIF targets for the 2001 period.

20

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

23

24 A. Six of the company's coal-fired units and one integrated
25 gasification combined cycle unit are included. These are

1 Gannon Station Units 5 and 6, Big Bend Station Units 1,
2 2, 3, and 4, and Polk Power Station Unit 1.

3
4 Q. Please describe how Tampa Electric developed the various
5 factors associated with the GPIF.

6
7 A. Targets were established for equivalent availability and
8 heat rate for each unit considered for the 2001 period.
9 A range of potential improvements and degradations was
10 determined for each of these parameters.

11
12 Q. How were the target values for unit availability
13 determined?

14
15 A. The Planned Outage Factor ("POF") and the Equivalent
16 Unplanned Outage Factor ("EUOF") were subtracted from
17 100% to determine the target Equivalent Availability
18 Factor ("EAF"). The factors for each of the seven units
19 included within the GPIF are shown on page 5 of Document
20 No. 1, Part A.

21
22 To give an example for the 2001 period, the projected
23 Equivalent Unplanned Outage Factor for Big Bend Unit 1 is
24 16.7% and the Planned Outage Factor is 13.4%. Therefore,
25 the target equivalent availability factor for Big Bend

Unit 1 equals 69.9% or:

$$100\% - [(16.7\% + 13.4\%)] = 69.9\%$$

This is shown on page 4, column 3 of Document No. 1, Part A.

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

A. Maximum equivalent availability is derived by using the following formula:

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

The factors included in the above equations are the same factors that determine the target equivalent availability. To determine the maximum incentive points, a 20% reduction in Forced Outage Factors ("FOF") and Maintenance Outage Factors ("MOF"), plus a 5% reduction in the Planned Outage Factor are necessary. Continuing with the Big Bend Unit 1 example:

$$EAF_{MAX} = 100\% - [0.8 (16.7\%) + 0.95 (13.4\%)] = 73.9\%$$

This is shown on page 4, column 4 of Document No. 1, Part A.

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

3
4 A. The potential for unit availability degradation is
5 significantly greater than the potential for unit
6 availability improvement. This concept was discussed
7 extensively and approved in earlier hearings before the
8 Commission. To incorporate this biased effect into the
9 unit availability tables, Tampa Electric uses a potential
10 degradation range equal to twice the potential
11 improvement. Consequently, minimum equivalent
12 availability is calculated using the following formula:

13
14
$$\text{EAF}_{\text{MIN}} = 100\% - [1.4 (\text{EUOF}_T) + 1.10 (\text{POF}_T)]$$

15
16 Again, continuing with the Big Bend Unit 1 example,

17
18
$$\text{EAF}_{\text{MIN}} = 100\% - [1.4 (16.7\%) + 1.1 (13.4\%)] = 61.9\%$$

19
20 The equivalent availability MAX and MIN for the other six
21 units is computed in a similar manner.

22
23 Q. How did Tampa Electric determine the Planned Outage,
24 Maintenance Outage, and Forced Outage Factors?

25

1 **A.** The company's planned outages for January 2001 through
2 December 2001 are shown on page 21 of Document No. 1,
3 Part A. Also, a Critical Path Method (C.P.M.) for each
4 major planned outage, which affects GPIF, is shown on
5 page 22 of Document No. 1, Part A. Planned Outage
6 Factors are calculated for each unit. For example, Big
7 Bend Unit 1 is scheduled for a planned outage March 10
8 through April 27, 2001. There are 1,176 planned outage
9 hours scheduled for the 2001 period, and a total of 8,760
10 hours during this 12-month period. Consequently, the
11 Planned Outage Factor for Unit 1 at Big Bend is 13.4% or:

$$\begin{array}{rcccl} 12 & & \underline{1,176} & \times & 100\% & = & 13.4\% \\ 13 & & 8,760 & & & & \end{array}$$

14 The factor for each unit is shown on pages 5 and 14
15 through 20 of Document No. 1, Part A. Big Bend Units 2
16 and 3 have a Planned Outage Factor of 5.8%. Big Bend 4
17 has a Planned Outage Factor of 3.8%. Gannon Units 5 and
18 6 and Polk Unit 1 each have Planned Outage Factors of
19 7.7%.

20
21 **Q.** How did you determine the Forced Outage and Maintenance
22 Outage Factors for each unit?

23
24 **A.** Graphs for both factors (adjusted for planned outages)
25 versus time were prepared. Monthly data and 12-month

1 rolling average data were recorded. For each unit the
2 most current 12-month ending value, June 2000, was used
3 as a basis for the projection. This value was adjusted
4 by analyzing trends and causes for equivalent
5 availability points to be awarded for recent forced and
6 maintenance outages. All projected factors are based
7 upon historical unit performance, engineering judgment,
8 time since last planned outage, and equipment performance
9 resulting in a forced or maintenance outage. These
10 target factors are additive and result in an Equivalent
11 Unplanned Outage Factor of 16.7% for Big Bend Unit 1.
12 The Equivalent Unplanned Outage Factor for Big Bend Unit
13 1 is verified by the data shown on page 14, lines 3, 5,
14 10 and 11 of Document No. 1, Part A and calculated using
15 the following formula:

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

18 Or

$$\text{EUOF} = \frac{(811 + 652)}{8,760} \times 100 = 16.7\%$$

21 Relative to Big Bend Unit 1, the EUOF of 16.7% forms the
22 basis of the equivalent availability target development
23 as shown on pages 4 and 5 of Document No. 1, Part A.

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Big Bend Unit 1

The projected Equivalent Unplanned Outage Factor for this unit is 16.7%. This unit will have a planned outage in 2001 and the Planned Outage Factor is 13.4%. Therefore, the target equivalent availability for this unit is 69.9%.

Big Bend Unit 2

The projected Equivalent Unplanned Outage Factor for this unit is 16.3%. This unit will have a planned outage in 2001 and the Planned Outage Factor is 5.8%. Therefore, the target equivalent availability for this unit is 77.9%.

Big Bend Unit 3

The projected Equivalent Unplanned Outage Factor for this unit is 22.4%. This unit will have a planned outage in 2001 and the Planned Outage Factor is 5.8%. Therefore, the target equivalent availability for this unit is 71.8%.

Big Bend Unit 4

The projected Equivalent Unplanned Outage Factor for this unit is 12.3%. This unit will have a planned outage in 2001 and the Planned Outage Factor is 3.8%. Therefore,

1 the target equivalent availability for this unit is
2 83.9%.

3 Gannon Unit 5

4 The projected Equivalent Unplanned Outage Factor for this
5 unit is 23.9%. This unit will have a planned outage in
6 2001 and the Planned Outage Factor is 7.7%. Therefore,
7 the target equivalent availability for this unit is
8 68.4%.

9
10 Gannon Unit 6

11 The projected Equivalent Unplanned Outage Factor for this
12 unit is 24.9%. This unit will have a planned outage in
13 2001 and the Planned Outage Factor is 7.7%. Therefore,
14 the target equivalent availability for this unit is
15 67.4%.

16
17 Polk Unit 1

18 The projected Equivalent Unplanned Outage Factor for this
19 unit is 13.8%. This unit will have a planned outage in
20 2001 and the Planned Outage Factor is 7.7%. Therefore,
21 the target equivalent availability for this unit is
22 78.5%.

23
24 Q. Please summarize your testimony regarding Equivalent
25 Availability Factor.

1 A. The GPIF system weighted Equivalent Availability Factor of
2 73.1% is shown on Page 5 of Document No. 1, Part A. This
3 target compares very favorably to previous GPIF periods
4 and is in fact, better than two of the past three
5 periods.

6
7 Q. When graphing and monitoring Forced and Maintenance
8 Outage Factors, why are they adjusted for planned outage
9 hours?

10
11 A. The adjustment makes the factors more accurate and
12 comparable. Obviously, a unit in a planned outage stage
13 or reserve shutdown stage will not incur a forced or
14 maintenance outage. Since the units in the GPIF are
15 usually base loaded, reserve shutdown is generally not a
16 factor.

17
18 To demonstrate the effects of a planned outage, note the
19 Equivalent Unplanned Outage Rate and Equivalent Unplanned
20 Outage Factor for Big Bend Unit 1 on page 14 of Document
21 No. 1, Part A. During the months of January, February
22 and May through December, the Equivalent Unplanned Outage
23 Rate and the Equivalent Unplanned Outage Factor are
24 equal. This is due to the fact that no planned outages
25 are scheduled during these months. During the months of

1 March and April, Equivalent Unplanned Outage Rate exceeds
2 Equivalent Unplanned Outage Factor due to the scheduling
3 of a planned outage. Therefore, the adjusted factors
4 apply to the period hours after the planned outage hours
5 have been extracted.
6

7 Q. Does this mean that both rate and factor data are used in
8 calculated data?
9

10 A. Yes. Rates provide a proper and accurate method of
11 determining the unit parameters, which are subsequently
12 converted to factors. Therefore,
13

$$\text{FOF} + \text{MOF} + \text{POF} + \text{EAF} = 100\%$$

14 Since factors are additive, they are easier to work with
15 and to understand.
16

17 Q. Has Tampa Electric prepared the necessary heat rate data
18 required for the determination of the GPIF?
19

20 A. Yes. Target heat rates as well as ranges of potential
21 operation have been developed as required.
22

23 Q. How were these targets determined?
24

25 A. Net heat rate data for the three most recent July through

1 June annual periods, along with the PROMOD IV program,
2 formed the basis of the target development. Projections
3 of unit performance were made with the aid of PROMOD IV.
4 The historical data and the target values are analyzed to
5 assure applicability to current conditions of operation.
6 This provides assurance that any periods of abnormal
7 operations or equipment modifications having material
8 effect on heat rate can be taken into consideration.
9

10 Q. The accomplishment of scrubbing the flue gas from Big
11 Bend Units 1 and 2 requires an additional amount of
12 station service power. How do you plan to address the
13 associated effect to net heat rate for GPIF purposes?
14

15 A. The change in heat rate for these units resulting from
16 utilization of the new scrubber can be quantified, but
17 the operational history is short of GPIF guidelines.
18 Therefore, targets for Big Bend Units 1 and 2 have been
19 developed in the standard fashion using data without
20 scrubber power. In order to assure compatibility with
21 the targets, scrubber power will be removed prior to
22 calculating Units 1 and 2 heat rates for the subsequent
23 true-up process. This method was approved by the
24 Commission for Big Bend Unit 3 when it began scrubbing
25 operation. The company will utilize the aforementioned

1 method until there is sufficient history to meet target
2 preparation guidelines.

3
4 Q. Have you developed the heat rate targets in accordance
5 with GPIF guidelines?

6
7 A. Yes.

8
9 Q. How were the ranges of heat rate improvement and heat
10 rate degradation determined?

11
12 A. The ranges were determined through analysis of historical
13 net heat rate and net output factor data. This is the
14 same data from which the net heat rate versus net output
15 factor curves have been developed for each unit. This
16 information is shown on pages 30 through 36 of Document
17 No. 1, Part A.

18
19 Q. Please elaborate on the analysis used in the
20 determination of the ranges.

21
22 A. The net heat rate versus net output factor curves are the
23 result of a first order curve fit to historical data.
24 The standard error of the estimate of this data was
25 determined, and a factor was applied to produce a band of

1 potential improvement and degradation. Both the curve
2 fit and the standard error of the estimate were performed
3 by computer program for each unit. These curves are also
4 used in post period adjustments to actual heat rates to
5 account for unanticipated changes in unit dispatch.

6
7 Q. Please summarize your heat rate projection (Btu/Net kWh)
8 and the range about each target to allow for potential
9 improvement or degradation for the 2001 period.

10
11 A. The heat rate target for Big Bend Unit 1 is 10,118
12 Btu/Net kWh. The range about this value, to allow for
13 potential improvement or degradation, is ± 562 Btu/Net kWh.
14 The heat rate target for Big Bend Unit 2 is 9,895 Btu/Net
15 kWh with a range of ± 473 Btu/Net kWh. The heat rate
16 target for Big Bend Unit 3 is 9,932 Btu/Net kWh, with a
17 range of ± 576 Btu/Net kWh. The heat rate target for Big
18 Bend Unit 4 is 9,944 Btu/Net kWh with a range of ± 411
19 Btu/Net kWh. The heat rate target for Gannon Unit 5 is
20 10,762 Btu/Net kWh with a range of ± 681 Btu/Net kWh. The
21 heat rate target for Gannon Unit 6 is 10,596 Btu/Net kWh
22 with a range of ± 579 Btu/Net kWh. The heat rate target
23 for Polk Unit 1 is 10,146 Btu/Net kWh with a range of
24 ± 1127 Btu/Net kWh. A zone of tolerance of ± 75 Btu/Net kWh
25 is included within the range for each target. This is

1 shown on page 4, and pages 7 through 13 of Document No.
2 1, Part A.
3

4 Q. Do the heat rate targets and ranges in Tampa Electric's
5 projection meet the criteria of the GPIF and the
6 philosophy of the Commission?
7

8 A. Yes.
9

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

14 A. The next step is to calculate the savings and weighting
15 factor to be used for both average net operating heat
16 rate and equivalent availability. This is shown on pages
17 7 through 13. The PROMOD IV cost simulation model was
18 used to calculate the total system fuel cost if all units
19 operated at target heat rate and target availability for
20 the period. This total system fuel cost of \$393,038,000
21 is shown on page 6, column 2.
22

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

1 station operating at maximum improvement in average net
2 operating heat rate. The respective savings are shown on
3 page 6, column 4 of Document No. 1, Part A.

4
5 After all of the individual savings are calculated column
6 4 totals \$24,114,500, which reflects the savings if all
7 of the units operated at maximum improvement. A
8 weighting factor for each parameter is then calculated by
9 dividing individual savings by the total. For Big Bend
10 Unit 1, the weighting factor for equivalent availability
11 is 6.61% as shown in the right-hand column on page 6.
12 Pages 7 through 13 of Document No. 1, Part A show the
13 point table, the Fuel Savings/(Loss) and the equivalent
14 availability or heat rate value. The individual
15 weighting factor is also shown. For example, on Big Bend
16 Unit 1, page 7, if the unit operates at 73.9% equivalent
17 availability, fuel savings would equal \$1,593,100 and ten
18 equivalent availability points would be awarded.

19
20 The GPIF Reward/Penalty Table on page 2 is a summary of
21 the tables on pages 7 through 13. The left-hand column
22 of this document shows the incentive points for Tampa
23 Electric. The center column shows the total fuel savings
24 and is the same amount as shown on page 6, column 4,
25 \$24,114,500. The right hand column of page 2 is the

1 estimated reward or penalty based upon performance.

2

3 Q. How were the maximum allowed incentive dollars
4 determined?

5

6 A. Referring to page 3, line 14, the estimated average
7 common equity for the period January 2001 through
8 December 2001 is \$1,303,090,000. This produces the
9 maximum allowed jurisdictional incentive dollars of
10 \$5,158,126 shown on line 21.

11

12 Q. Are there any other constraints set forth by the
13 Commission regarding the magnitude of incentive dollars?

14

15 A. Yes. Incentive dollars are not to exceed 50 percent of
16 fuel savings. Page 2 of Document No. 1, Part A
17 demonstrates that this constraint is met.

18

19 Q. Please summarize your testimony on the GPIF?

20

21 A. Tampa Electric has fully complied with the Commission's
22 directions, philosophy, and methodology in our
23 determination of GPIF. The GPIF is determined by the
24 following formula for calculating Generating Performance
25 Incentive Points (GPIP):

$$\begin{aligned}
\text{GPIP:} = & (0.0661 \text{ EAP}_{\text{BB1}} + 0.0333 \text{ EAP}_{\text{BB2}} \\
& + 0.0678 \text{ EAP}_{\text{BB3}} + 0.0331 \text{ EAP}_{\text{BB4}} \\
& + 0.0234 \text{ EAP}_{\text{GN5}} + 0.0557 \text{ EAP}_{\text{GN6}} \\
& + 0.0395 \text{ EAP}_{\text{PK1}} + 0.0917 \text{ HRP}_{\text{BB1}} \\
& + 0.0919 \text{ HRP}_{\text{BB2}} + 0.1024 \text{ HRP}_{\text{BB3}} \\
& + 0.1186 \text{ HRP}_{\text{BB4}} + 0.0554 \text{ HRP}_{\text{GN5}} \\
& + 0.0781 \text{ HRP}_{\text{GN6}} + 0.1431 \text{ HRP}_{\text{PK1}})
\end{aligned}$$

Where:

GPIP = Generating Performance Incentive Points.

EAP = Equivalent Availability Points awarded/deducted for Big Bend Units 1, 2, 3 and 4, Gannon Units 5 and 6, and Polk Unit 1.

HRP = Average Net Heat Rate Points awarded/deducted for Big Bend Units 1, 2, 3 and 4, Gannon Units 5 and 6, and Polk Unit 1.

Q. Have you prepared a document summarizing the GPIF targets for the January 2001 - December 2001 period?

A. Yes. Document No. 2 entitled "Tampa Electric Company, Summary of GPIF Targets, January 2001 - December 2001" provides the availability and heat rate targets for each unit.

1 Q. Does this conclude your testimony?

2

3 A. Yes.

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EXHIBITS TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCUMENT NO. 1

GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2001 - DECEMBER 2001

PART A - GPIF SCHEDULES

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2001 - DECEMBER 2001
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**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE - ESTIMATED
JANUARY 2001 - DECEMBER 2001**

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+10	24,114.5	5,158.1
+9	21,703.1	4,642.3
+8	19,291.6	4,126.5
+7	16,880.2	3,610.7
+6	14,468.7	3,094.9
+5	12,057.3	2,579.1
+4	9,645.8	2,063.3
+3	7,234.4	1,547.4
+2	4,822.9	1,031.6
+1	2,411.5	515.8
0	0.0	0.0
-1	(3,302.3)	(515.8)
-2	(6,604.5)	(1,031.6)
-3	(9,906.8)	(1,547.4)
-4	(13,209.1)	(2,063.3)
-5	(16,511.4)	(2,579.1)
-6	(19,813.6)	(3,094.9)
-7	(23,115.9)	(3,610.7)
-8	(26,418.2)	(4,126.5)
-9	(29,720.4)	(4,642.3)
-10	(33,022.7)	(5,158.1)

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
(ESTIMATED)
JANUARY 2001 - DECEMBER 2001**

Line 1	Beginning of period balance of common equity: End of month common equity:	\$ 1,272,243,000	
Line 2	Month of January 2001	\$ 1,263,085,000	
Line 3	Month of February 2001	\$ 1,275,453,000	
Line 4	Month of March 2001	\$ 1,287,942,000	
Line 5	Month of April 2001	\$ 1,284,854,000	
Line 6	Month of May 2001	\$ 1,297,435,000	
Line 7	Month of June 2001	\$ 1,310,139,000	
Line 8	Month of July 2001	\$ 1,300,770,000	
Line 9	Month of August 2001	\$ 1,313,507,000	
Line 10	Month of September 2001	\$ 1,326,368,000	
Line 11	Month of October 2001	\$ 1,323,127,000	
Line 12	Month of November 2001	\$ 1,336,082,000	
Line 13	Month of December 2001	\$ 1,349,165,000	
Line 14	(Summation of line 1 through line 13 divided by 13)	\$ 1,303,090,000	
Line 15	25 Basis points	0.0025	
Line 16	Revenue Expansion Factor	61.38%	
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)	\$ 5,307,401	
Line 18	Jurisdictional Sales	17,114,071 MWH	
Line 19	Total Sales	17,609,348 MWH	
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)	97.19%	
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)	\$ 5,158,126	

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2001 - DECEMBER 2001

EQUIVALENT AVAILABILITY

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>EAF TARGET (%)</u>	<u>EAF RANGE</u>		<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>
			<u>MAX. (%)</u>	<u>MIN. (%)</u>		
BIG BEND 1	6.61%	69.9	73.9	61.9	1,593.1	(2,466.1)
BIG BEND 2	3.33%	77.9	81.5	70.8	802.7	(1,925.1)
BIG BEND 3	6.78%	71.8	76.6	62.3	1,635.0	(3,403.7)
BIG BEND 4	3.31%	83.9	86.5	78.5	797.8	(2,241.5)
GANNON 5	2.34%	68.4	73.6	58.1	563.3	(1,553.7)
GANNON 6	5.57%	67.4	72.8	56.7	1,343.6	(3,174.7)
POLK 1	3.95%	78.5	81.5	72.0	952.0	(1,830.9)
GPIF SYSTEM	31.88%					

AVERAGE NET OPERATING HEAT RATE

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>ANOHR Btu/kwh</u>	<u>TARGET NOF</u>	<u>ANOHR RANGE</u>		<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>
				<u>MIN.</u>	<u>MAX.</u>		
BIG BEND 1	9.17%	10118	82.8	9556	10680	2,212.0	(2,212.0)
BIG BEND 2	9.19%	9895	87.8	9422	10368	2,216.0	(2,216.0)
BIG BEND 3	10.24%	9932	80.8	9356	10508	2,469.0	(2,469.0)
BIG BEND 4	11.86%	9944	87.1	9533	10355	2,860.0	(2,860.0)
GANNON 5	5.54%	10762	64.6	10081	11443	1,336.0	(1,336.0)
GANNON 6	7.81%	10596	68.5	10017	11175	1,884.0	(1,884.0)
POLK 1	14.31%	10146	93.6	9019	11273	3,450.0	(3,450.0)
GPIF SYSTEM	68.12%					16,427.0	(16,427.0)

TAMPA ELECTRIC COMPANY
COMPARISON OF GPIF TARGETS VS PRIOR PERIOD ACTUAL PERFORMANCE

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 01 - DEC 01			TARGET PERIOD JUL 99 - JUN 00			TARGET PERIOD JUL 98 - JUN 99			TARGET PERIOD JUL 97 - JUN 98		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
BIG BEND 1	6.61%	20.7%	13.4	16.7	19.3	0.0	14.3	14.3	6.8	19.6	21.0	5.7	16.0	17.0
BIG BEND 2	3.33%	10.4%	5.8	16.3	17.3	13.3	15.5	17.9	0.0	17.7	17.7	5.6	10.4	11.0
BIG BEND 3	6.78%	21.3%	5.8	22.4	23.8	11.9	17.7	20.1	16.1	20.8	24.8	11.2	18.0	20.3
BIG BEND 4	3.31%	10.4%	3.8	12.3	12.8	0.0	11.8	11.8	6.4	14.2	15.2	10.9	9.5	10.7
GANNON 5	2.34%	7.3%	7.7	23.9	25.9	12.6	22.5	25.7	6.6	25.0	26.8	6.3	26.5	28.3
GANNON 6	5.57%	17.5%	7.7	24.9	27.0	6.6	20.1	21.5	23.2	24.7	32.2	9.1	30.0	33.0
POLK 1	3.95%	12.4%	7.7	13.8	15.0	5.1	64.4	67.8	5.7	37.5	39.8	4.9	13.3	14.0
GPIF SYSTEM	31.88%	100.0%	7.9	19.0	20.7	6.6	22.7	24.4	10.7	22.6	25.6	7.9	18.0	19.7
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)			73.1			70.7			66.7			74.0		
			3 PERIOD AVERAGE			3 PERIOD AVERAGE								
			POF EUOF EUOR			EAF								
			8.4 21.1 23.2			70.4								

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET HEAT RATE		ADJUSTED PRIOR HEAT RATE		ADJUSTED PRIOR HEAT RATE		ADJUSTED PRIOR HEAT RATE	
			JAN 01 - DEC 01		JUL 99 - JUN 00		JUL 98 - JUN 99		JUL 97 - JUN 98	
BIG BEND 1	9.17%	13.5%	10,118		10,117		10,157		9,985	
BIG BEND 2	9.19%	13.5%	9,895		10,039		9,922		9,732	
BIG BEND 3	10.24%	15.0%	9,932		9,995		10,037		9,697	
BIG BEND 4	11.86%	17.4%	9,944		10,012		9,935		9,805	
GANNON 5	5.54%	8.1%	10,762		10,677		10,435		11,262	
GANNON 6	7.81%	11.5%	10,596		10,439		10,453		10,895	
POLK 1	14.31%	21.0%	10,146		10,454		9,331		10,193	
GPIF SYSTEM	68.12%	100.0%								
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)			10,143		10,223		9,952		10,128	

**TAMPA ELECTRIC COMPANY
DERIVATION OF WEIGHTING FACTORS
JANUARY 2001 - DECEMBER 2001
PRODUCTION COSTING SIMULATION
FUEL COST (\$000)**

UNIT PERFORMANCE INDICATOR	AT TARGET (1)	AT MAXIMUM IMPROVEMENT (2)	SAVINGS (3)	WEIGHTING FACTOR (% OF SAVINGS)
EQUIVALENT AVAILABILITY				
EA ₁ BIG BEND 1	393038.0	391444.9	1593.1	6.61%
EA ₂ BIG BEND 2	393038.0	392235.3	802.7	3.33%
EA ₃ BIG BEND 3	393038.0	391403.0	1635.0	6.78%
EA ₄ BIG BEND 4	393038.0	392240.2	797.8	3.31%
EA ₅ GANNON 5	393038.0	392474.7	563.3	2.34%
EA ₆ GANNON 6	393038.0	391694.4	1343.6	5.57%
EA ₇ POLK 1	393038.0	392086.0	952.0	3.95%
AVERAGE HEAT RATE				
AHR ₁ BIG BEND 1	393038.0	390826.0	2212.0	9.17%
AHR ₂ BIG BEND 2	393038.0	390822.0	2216.0	9.19%
AHR ₃ BIG BEND 3	393038.0	390569.0	2469.0	10.24%
AHR ₄ BIG BEND 4	393038.0	390178.0	2860.0	11.86%
AHR ₅ GANNON 5	393038.0	391702.0	1336.0	5.54%
AHR ₆ GANNON 6	393038.0	391154.0	1884.0	7.81%
AHR ₇ POLK 1	393038.0	389588.0	3450.0	14.31%
TOTAL SAVINGS			24,114.5	100.00%

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

(2) All other units performance indicators at target.

(3) Expressed in replacement energy cost.

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2001 - DECEMBER 2001

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,593.1	73.9	+10	2,212.0	9,556
+9	1,433.8	73.5	+9	1,990.8	9,605
+8	1,274.5	73.1	+8	1,769.6	9,653
+7	1,115.2	72.7	+7	1,548.4	9,702
+6	955.9	72.3	+6	1,327.2	9,751
+5	796.6	71.9	+5	1,106.0	9,800
+4	637.2	71.5	+4	884.8	9,848
+3	477.9	71.1	+3	663.6	9,897
+2	318.6	70.7	+2	442.4	9,946
+1	159.3	70.3	+1	221.2	9,994
					10,043
0	0.0	69.9	0	0.0	10,118
					10,193
-1	(246.6)	69.1	-1	(221.2)	10,242
-2	(493.2)	68.3	-2	(442.4)	10,290
-3	(739.8)	67.5	-3	(663.6)	10,339
-4	(986.4)	66.7	-4	(884.8)	10,388
-5	(1,233.1)	65.9	-5	(1,106.0)	10,437
-6	(1,479.7)	65.1	-6	(1,327.2)	10,485
-7	(1,726.3)	64.3	-7	(1,548.4)	10,534
-8	(1,972.9)	63.5	-8	(1,769.6)	10,583
-9	(2,219.5)	62.7	-9	(1,990.8)	10,631
-10	(2,466.1)	61.9	-10	(2,212.0)	10,680
Weighting Factor =		6.61%	Weighting Factor =		9.17%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2001 - DECEMBER 2001

BIG BEND 2

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	802.7	81.5	+10	2,216.0	9,422
+9	722.4	81.1	+9	1,994.4	9,462
+8	642.2	80.8	+8	1,772.8	9,502
+7	561.9	80.4	+7	1,551.2	9,541
+6	481.6	80.1	+6	1,329.6	9,581
+5	401.4	79.7	+5	1,108.0	9,621
+4	321.1	79.3	+4	886.4	9,661
+3	240.8	79.0	+3	664.8	9,701
+2	160.5	78.6	+2	443.2	9,740
+1	80.3	78.3	+1	221.6	9,780
					9,820
0	0.0	77.9	0	0.0	9,895
					9,970
-1	(192.5)	77.2	-1	(221.6)	10,010
-2	(385.0)	76.5	-2	(443.2)	10,050
-3	(577.5)	75.8	-3	(664.8)	10,089
-4	(770.0)	75.1	-4	(886.4)	10,129
-5	(962.6)	74.4	-5	(1,108.0)	10,169
-6	(1,155.1)	73.6	-6	(1,329.6)	10,209
-7	(1,347.6)	72.9	-7	(1,551.2)	10,249
-8	(1,540.1)	72.2	-8	(1,772.8)	10,288
-9	(1,732.6)	71.5	-9	(1,994.4)	10,328
-10	(1,925.1)	70.8	-10	(2,216.0)	10,368

Weighting Factor =

3.33%

Weighting Factor =

9.19%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2001 - DECEMBER 2001

BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	* FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,635.0	76.6	+10	2,469.0	9,356
+9	1,471.5	76.1	+9	2,222.1	9,406
+8	1,308.0	75.6	+8	1,975.2	9,456
+7	1,144.5	75.2	+7	1,728.3	9,506
+6	981.0	74.7	+6	1,481.4	9,556
+5	817.5	74.2	+5	1,234.5	9,607
+4	654.0	73.7	+4	987.6	9,657
+3	490.5	73.2	+3	740.7	9,707
+2	327.0	72.8	+2	493.8	9,757
+1	163.5	72.3	+1	246.9	9,807
					9,857
0	0.0	71.8	0	0.0	9,932
					10,007
-1	(340.4)	70.9	-1	(246.9)	10,057
-2	(680.7)	69.9	-2	(493.8)	10,107
-3	(1,021.1)	69.0	-3	(740.7)	10,157
-4	(1,361.5)	68.0	-4	(987.6)	10,207
-5	(1,701.9)	67.1	-5	(1,234.5)	10,258
-6	(2,042.2)	66.1	-6	(1,481.4)	10,308
-7	(2,382.6)	65.2	-7	(1,728.3)	10,358
-8	(2,723.0)	64.2	-8	(1,975.2)	10,408
-9	(3,063.3)	63.3	-9	(2,222.1)	10,458
-10	(3,403.7)	62.3	-10	(2,469.0)	10,508
Weighting Factor =		6.78%	Weighting Factor =		10.24%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2001 - DECEMBER 2001

BIG BEND 4

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	797.8	86.5	+10	2,860.0	9,533
+9	718.0	86.2	+9	2,574.0	9,567
+8	638.2	86.0	+8	2,288.0	9,600
+7	558.5	85.7	+7	2,002.0	9,634
+6	478.7	85.5	+6	1,716.0	9,667
+5	398.9	85.2	+5	1,430.0	9,701
+4	319.1	84.9	+4	1,144.0	9,735
+3	239.3	84.7	+3	858.0	9,768
+2	159.6	84.4	+2	572.0	9,802
+1	79.8	84.2	+1	286.0	9,835
					9,869
0	0.0	83.9	0	0.0	9,944
					10,019
-1	(224.2)	83.4	-1	(286.0)	10,053
-2	(448.3)	82.8	-2	(572.0)	10,086
-3	(672.5)	82.3	-3	(858.0)	10,120
-4	(896.6)	81.7	-4	(1,144.0)	10,153
-5	(1,120.8)	81.2	-5	(1,430.0)	10,187
-6	(1,344.9)	80.7	-6	(1,716.0)	10,221
-7	(1,569.1)	80.1	-7	(2,002.0)	10,254
-8	(1,793.2)	79.6	-8	(2,288.0)	10,288
-9	(2,017.4)	79.0	-9	(2,574.0)	10,321
-10	(2,241.5)	78.5	-10	(2,860.0)	10,355

Weighting Factor =

3.31%

Weighting Factor =

11.86%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2001 - DECEMBER 2001

GANNON 5

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	563.3	73.6	+10	1,336.0	10,081
+9	507.0	73.1	+9	1,202.4	10,142
+8	450.6	72.6	+8	1,068.8	10,202
+7	394.3	72.0	+7	935.2	10,263
+6	338.0	71.5	+6	801.6	10,323
+5	281.7	71.0	+5	668.0	10,384
+4	225.3	70.5	+4	534.4	10,445
+3	169.0	70.0	+3	400.8	10,505
+2	112.7	69.4	+2	267.2	10,566
+1	56.3	68.9	+1	133.6	10,626
					10,687
0	0.0	68.4	0	0.0	10,762
					10,837
-1	(155.4)	67.4	-1	(133.6)	10,898
-2	(310.7)	66.3	-2	(267.2)	10,958
-3	(466.1)	65.3	-3	(400.8)	11,019
-4	(621.5)	64.3	-4	(534.4)	11,079
-5	(776.9)	63.3	-5	(668.0)	11,140
-6	(932.2)	62.2	-6	(801.6)	11,201
-7	(1,087.6)	61.2	-7	(935.2)	11,261
-8	(1,243.0)	60.2	-8	(1,068.8)	11,322
-9	(1,398.3)	59.1	-9	(1,202.4)	11,382
-10	(1,553.7)	58.1	-10	(1,336.0)	11,443
Weighting Factor =		2.34%	Weighting Factor =		5.54%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2001 - DECEMBER 2001

GANNON 6

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,343.6	72.8	+10	1,884.0	10,017
+9	1,209.2	72.3	+9	1,695.6	10,067
+8	1,074.9	71.7	+8	1,507.2	10,118
+7	940.5	71.2	+7	1,318.8	10,168
+6	806.2	70.6	+6	1,130.4	10,219
+5	671.8	70.1	+5	942.0	10,269
+4	537.4	69.6	+4	753.6	10,319
+3	403.1	69.0	+3	565.2	10,370
+2	268.7	68.5	+2	376.8	10,420
+1	134.4	67.9	+1	188.4	10,471
					10,521
0	0.0	67.4	0	0.0	10,596
					10,671
-1	(317.5)	66.3	-1	(188.4)	10,721
-2	(634.9)	65.3	-2	(376.8)	10,772
-3	(952.4)	64.2	-3	(565.2)	10,822
-4	(1,269.9)	63.1	-4	(753.6)	10,873
-5	(1,587.4)	62.1	-5	(942.0)	10,923
-6	(1,904.8)	61.0	-6	(1,130.4)	10,973
-7	(2,222.3)	59.9	-7	(1,318.8)	11,024
-8	(2,539.8)	58.8	-8	(1,507.2)	11,074
-9	(2,857.2)	57.8	-9	(1,695.6)	11,125
-10	(3,174.7)	56.7	-10	(1,884.0)	11,175
Weighting Factor =		5.57%	Weighting Factor =		7.81%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2001 - DECEMBER 2001

POLK 1

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	952.0	81.5	+10	3,450.0	9,019
+9	856.8	81.2	+9	3,105.0	9,124
+8	761.6	80.9	+8	2,760.0	9,229
+7	666.4	80.6	+7	2,415.0	9,335
+6	571.2	80.3	+6	2,070.0	9,440
+5	476.0	80.0	+5	1,725.0	9,545
+4	380.8	79.7	+4	1,380.0	9,650
+3	285.6	79.4	+3	1,035.0	9,755
+2	190.4	79.1	+2	690.0	9,861
+1	95.2	78.8	+1	345.0	9,966
					10,071
0	0.0	78.5	0	0.0	10,146
					10,221
-1	(183.1)	77.9	-1	(345.0)	10,326
-2	(366.2)	77.2	-2	(690.0)	10,431
-3	(549.3)	76.6	-3	(1,035.0)	10,537
-4	(732.4)	75.9	-4	(1,380.0)	10,642
-5	(915.5)	75.3	-5	(1,725.0)	10,747
-6	(1,098.5)	74.6	-6	(2,070.0)	10,852
-7	(1,281.6)	74.0	-7	(2,415.0)	10,957
-8	(1,464.7)	73.3	-8	(2,760.0)	11,063
-9	(1,647.8)	72.7	-9	(3,105.0)	11,168
-10	(1,830.9)	72.0	-10	(3,450.0)	11,273

Weighting Factor =

3.95%

Weighting Factor =

14.31%

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2001 - DECEMBER 2001

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 1 GPIF (w/o FGD)	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	80.6	80.7	25.9	5.3	80.6	80.7	80.6	80.6	80.7	80.7	80.7	80.6	69.9
2. POF	0.0	0.0	67.7	93.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4
3. EUOF	19.4	19.3	6.3	1.3	19.4	19.3	19.4	19.4	19.3	19.3	19.3	19.4	16.7
4. EUOR	19.4	19.3	19.6	19.1	19.4	19.3	19.4	19.4	19.3	19.3	19.3	19.4	19.3
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	668	603	195	64	668	646	668	668	646	668	646	668	6806
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	76	69	549	655	76	74	76	76	74	77	74	76	1954
9. POH	0	0	504	672	0	0	0	0	0	0	0	0	1176
10. FOH & EFOH	80	72	26	5	80	77	80	80	77	80	77	80	811
11. MOH & EMOH	64	58	21	●	64	62	64	64	62	64	62	64	652
12. OPER BTU (GBTU)	2313.498	2142.984	710.242	231.660	2401.212	2342.060	2446.908	2445.145	2345.282	2373.409	2280.072	2261.368	24293.839
13. NET GEN (MWH)	230,495	213,782	72,229	25,216	236,556	230,332	238,605	238,491	230,682	233,503	226,246	224,929	2,401,066
14. ANOHR (Btu/kwh)	10,037	10,024	9,833	9,187	10,151	10,168	10,255	10,253	10,167	10,164	10,078	10,054	10,118
15. NOF (%)	80.1	82.3	86.0	93.8	84.2	84.7	84.9	84.9	84.8	81.1	81.2	78.2	82.8
16. NPC (MW)	431	431	431	421	421	421	421	421	421	431	431	431	426
17. ANOHR EQUATION	ANOHR = NOF(-15.979) + 11441												

FILED:
SUSPENDED:
EFFECTIVE: 09/21/00
DOCKET NO: 000001-EI

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2001 - DECEMBER 2001

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 2 GPIF (w/o FGD)	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	82.7	50.3	56.0	82.6	82.7	82.6	82.7	82.7	82.6	82.7	82.6	82.7	77.9
2. POF	0.0	39.3	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8
3. EUOF	17.3	10.4	11.7	17.4	17.3	17.4	17.3	17.3	17.4	17.3	17.4	17.3	16.3
4. EUOR	17.3	17.2	17.3	17.4	17.3	17.4	17.3	17.3	17.4	17.3	17.4	17.3	17.3
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	687	355	487	665	687	665	687	687	665	687	665	687	7623
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	57	317	257	54	57	55	57	57	55	58	55	57	1137
9. POH	0	264	240	0	0	0	0	0	0	0	0	0	504
10. FOH & EFOH	75	41	51	73	75	73	75	75	73	75	73	75	834
11. MOH & EMOH	54	29	36	52	54	52	54	54	52	54	52	54	594
12. OPER BTU (GBTU)	2482.746	1326.679	1859.365	2523.992	2530.363	2490.570	2597.616	2604.048	2497.152	2485.641	2423.217	2405.324	28226.714
13. NET GEN (MWH)	250,826	135,409	189,065	256,151	256,057	251,544	261,175	261,831	252,237	250,837	244,918	242,540	2,852,590
14. ANOHR (Btu/kwh)	9,898	9,798	9,835	9,854	9,882	9,901	9,946	9,946	9,900	9,909	9,894	9,917	9,895
15. NOF (%)	84.7	88.4	90.1	91.5	88.5	89.9	90.3	90.5	90.1	84.7	85.5	81.9	87.8
16. NPC (MW)	431	431	431	421	421	421	421	421	421	431	431	431	426
17. ANOHR EQUATION	ANOHR = NOF(-16.149) + 11313												

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2001 - DECEMBER 2001

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 3	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	76.2	76.2	76.2	76.2	76.2	76.3	76.2	76.2	76.3	76.2	22.8	76.2	71.8
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.0	0.0	5.8
3. EUOF	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	7.2	23.8	22.4
4. EUOR	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	24.1	23.8	23.8
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	653	590	653	632	653	632	653	653	632	653	190	653	7249
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	91	82	91	87	91	88	91	91	88	92	530	91	1511
9. POH	0	0	0	0	0	0	0	0	0	0	504	0	504
10. FOH & EFOH	120	108	120	116	120	116	120	120	116	120	35	120	1329
11. MOH & EMOH	57	52	57	55	57	55	57	57	55	57	17	57	636
12. OPER BTU (GBTU)	2164.579	2074.730	2400.162	2337.416	2290.120	2263.972	2379.969	2406.216	2279.492	2204.954	649.439	2042.955	25494.004
13. NET GEN (MWH)	218,307	209,716	243,128	236,020	231,521	227,890	237,182	239,912	229,522	222,501	65,608	205,561	2,566,868
14. ANOHR (Btu/kwh)	9,915	9,893	9,872	9,903	9,892	9,934	10,034	10,030	9,931	9,910	9,899	9,938	9,932
15. NOF (%)	75.4	80.2	84.0	86.2	81.8	83.2	83.8	84.8	83.8	76.9	78.1	71.0	80.8
16. NPC (MW)	443	443	443	433	433	433	433	433	433	443	443	443	438
17. ANOHR EQUATION	ANOHR = NOF(-60.013) + 14781												

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2001 - DECEMBER 2001

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 4	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	87.2	87.2	87.2	78.4	56.3	87.2	87.2	87.2	87.2	87.2	87.2	87.2	83.9
2. POF	0.0	0.0	0.0	10.0	35.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
3. EUOF	12.8	12.8	12.8	11.5	8.2	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.3
4. EUOR	12.8	12.8	12.8	12.8	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	697	629	697	608	448	674	697	697	674	697	674	697	7887
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	47	43	47	111	296	46	47	47	46	48	46	47	873
9. POH	0	0	0	72	264	0	0	0	0	0	0	0	336
10. FOH & EFOH	51	46	51	45	33	50	51	51	50	51	50	51	581
11. MOH & EMOH	44	40	44	38	28	42	44	44	42	44	42	44	497
12. OPER BTU (GBTU)	2587.073	2425.292	2783.251	2428.931	1718.508	2648.328	2772.663	2785.524	2660.990	2581.441	2498.651	2487.096	30377.748
13. NET GEN (MWH)	261,413	245,651	281,643	246,316	173,357	265,259	276,151	277,511	266,620	259,365	251,169	250,533	3,054,988
14. ANOHR (Btu/kwh)	9,896	9,873	9,882	9,861	9,913	9,984	10,040	10,038	9,980	9,953	9,948	9,927	9,944
15. NOF (%)	84.0	87.3	90.5	91.7	87.5	89.0	89.7	90.1	89.5	83.3	83.4	80.5	87.1
16. NPC (MW)	447	447	447	442	442	442	442	442	442	447	447	447	445
17. ANOHR EQUATION	ANOHR = NOF(-37.857) + 13241												

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2001 - DECEMBER 2001

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
GANNON 5	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	74.1	42.3	35.9	74.1	74.1	74.2	74.1	74.1	74.2	74.1	74.2	74.1	68.4
2. POF	0.0	42.9	51.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7
3. EUOF	25.9	14.9	12.5	25.9	25.9	25.8	25.9	25.9	25.8	25.9	25.8	25.9	23.9
4. EUOR	25.9	26.0	25.8	25.9	25.9	25.8	25.9	25.9	25.8	25.9	25.8	25.9	25.9
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	657	340	317	636	657	636	657	657	636	657	636	657	7143
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	87	332	427	83	87	84	87	87	84	88	84	87	1617
9. POH	0	288	384	0	0	0	0	0	0	0	0	0	672
10. FOH & EFOH	141	73	68	136	141	136	141	141	136	141	136	141	1529
11. MOH & EMOH	52	27	25	50	52	50	52	52	50	52	50	52	566
12. OPER BTU (GBTU)	879.866	531.902	572.079	1133.754	1152.096	1102.986	1190.871	1169.969	1167.900	1064.272	999.628	797.899	11763.222
13. NET GEN (MWH)	82,301	50,275	54,317	106,708	107,703	101,551	108,666	106,609	108,074	98,547	94,169	74,063	1,092,983
14. ANOHR (Btu/kwh)	10,691	10,580	10,532	10,625	10,697	10,861	10,959	10,974	10,806	10,800	10,615	10,773	10,762
15. NOF (%)	51.8	61.1	70.8	72.3	70.7	68.8	71.3	69.9	73.3	62.0	61.2	46.6	64.6
16. NPC (MW)	242	242	242	232	232	232	232	232	232	242	242	242	237
17. ANOHR EQUATION	ANOHR = NOF(-8.6611) + 11322												

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2001 - DECEMBER 2001

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
GANNON 6	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	73.0	73.1	70.7	7.2	73.0	73.1	73.0	73.0	73.1	73.0	73.1	73.0	67.4
2. POF	0.0	0.0	3.2	90.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7
3. EUOF	27.0	26.9	26.1	2.6	27.0	26.9	27.0	27.0	26.9	27.0	26.9	27.0	24.9
4. EUOR	27.0	26.9	26.9	26.8	27.0	26.9	27.0	27.0	26.9	27.0	26.9	27.0	27.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	641	579	621	61	641	620	641	641	620	641	620	641	6970
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	103	93	123	658	103	100	103	103	100	104	100	103	1790
9. POH	0	0	24	648	0	0	0	0	0	0	0	0	672
10. FOH & EFOH	149	134	144	14	149	144	149	149	144	149	144	149	1618
11. MOH & EMOH	52	47	50	5	52	50	52	52	50	52	50	52	566
12. OPER BTU (GBTU)	1491.214	1549.004	1908.089	182.070	1879.853	1785.212	1923.285	1893.462	1900.401	1768.099	1681.785	1353.791	19316.263
13. NET GEN (MWH)	140,926	147,758	182,549	17,310	178,208	167,326	179,824	176,853	179,141	166,012	160,016	126,968	1,822,891
14. ANOHR (Btu/kwh)	10,582	10,483	10,452	10,518	10,549	10,669	10,695	10,706	10,608	10,650	10,510	10,662	10,596
15. NOF (%)	56.1	65.1	74.9	75.9	74.7	72.5	75.4	74.2	77.6	66.1	65.8	50.5	68.5
16. NPC (MW)	392	392	392	372	372	372	372	372	372	392	392	392	382
17. ANOHR EQUATION	ANOHR = NOF(5.8759) + 10194												

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2001 - DECEMBER 2001

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
POLK 1	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	85.1	85.0	44.0	48.1	85.1	85.0	85.1	85.1	85.0	85.0	85.0	85.1	78.5
2. POF	0.0	0.0	48.4	43.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7
3. EUOF	14.9	15.0	7.7	8.5	14.9	15.0	14.9	14.9	15.0	15.0	15.0	14.9	13.8
4. EUOR	14.9	15.0	14.8	15.0	14.9	15.0	14.9	14.9	15.0	15.0	15.0	14.9	15.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	634	573	328	347	634	614	634	634	614	634	614	634	6896
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	110	99	416	372	110	106	110	110	106	111	106	110	1864
9. POH	0	0	360	312	0	0	0	0	0	0	0	0	672
10. FOH & EFOH	74	67	38	41	74	72	74	74	72	75	72	74	809
11. MOH & EMOH	37	34	19	20	37	36	37	37	36	37	36	37	404
12. OPER BTU (GBTU)	1516.524	1329.325	768.341	854.097	1508.373	1463.510	1512.415	1514.291	1462.543	1508.644	1460.928	1465.830	16364.823
13. NET GEN (MWH)	149,807	130,058	75,438	85,079	148,754	144,443	149,273	149,518	144,318	148,809	144,125	143,283	1,612,905
14. ANOHR (Btu/kwh)	10,123	10,221	10,185	10,039	10,140	10,132	10,132	10,128	10,134	10,138	10,137	10,230	10,146
15. NOF (%)	94.5	90.8	91.9	98.0	93.8	94.1	94.1	94.3	94.0	93.8	93.9	90.4	93.6
16. NPC (MW)	250	250	250	250	250	250	250	250	250	250	250	250	250
17. ANOHR EQUATION	ANOHR = NOF(-49.528) + 14782												

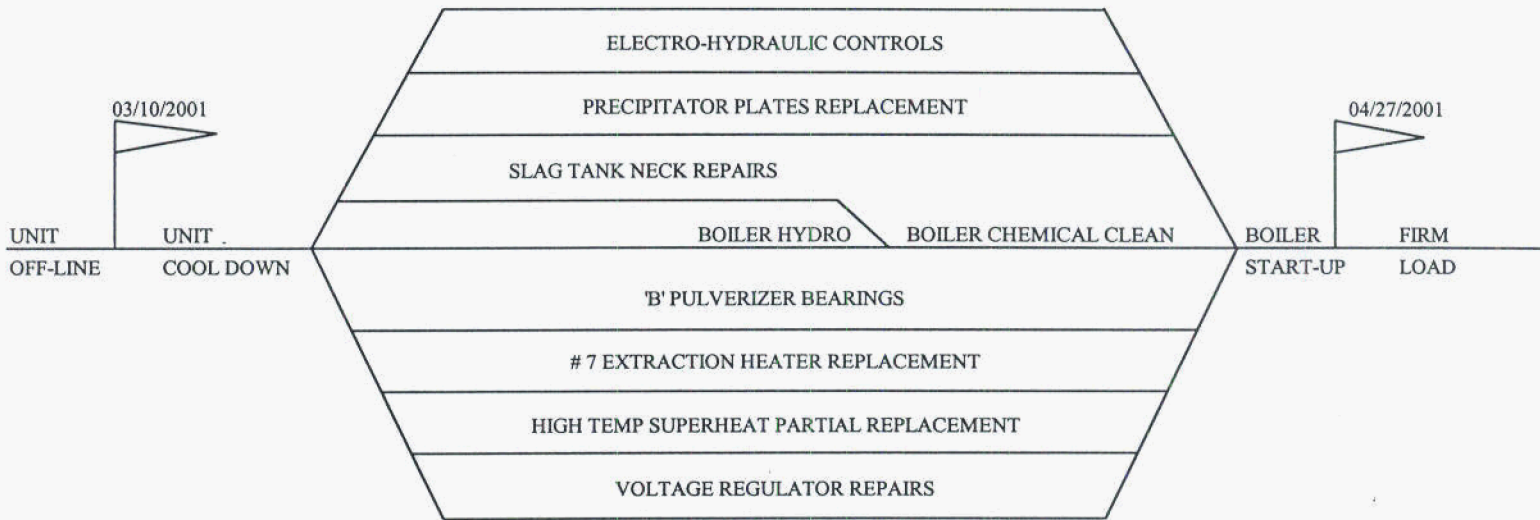
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**TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ESTIMATED)
GPIF UNITS
JANUARY 2001 - DECEMBER 2001**

<u>PLANT / UNIT</u>	<u>PLANNED OUTAGE DATES</u>	<u>OUTAGE DESCRIPTION</u>
BIG BEND 1	Mar 10 - Apr 27	#7 Extraction Heater, Precipitator Plate, Boiler Chemical Clean, Boiler Hydro, Voltage Regulator, partial High Temp Superheater, Electro- hydraulic Controls, "B" Pulverizer Bearings, and Slag Tank Neck repairs
+ BIG BEND 2	Feb 17 - Mar 09	Fuel System Clean-up
+ BIG BEND 3	Nov 03 - Nov 23	Fuel System Clean-up
+ BIG BEND 4	Apr 28 - May 11	Fuel System Clean-up
+ GANNON 5	Feb 17 - Mar 16	Fuel System Clean-up
+ GANNON 6	Mar 31 - Apr 27	Fuel System Clean-up
+ POLK 1	Mar 17 - Apr 13	Fuel System Clean-up

+ CPM for units with less than or equal to 4 weeks are not included.

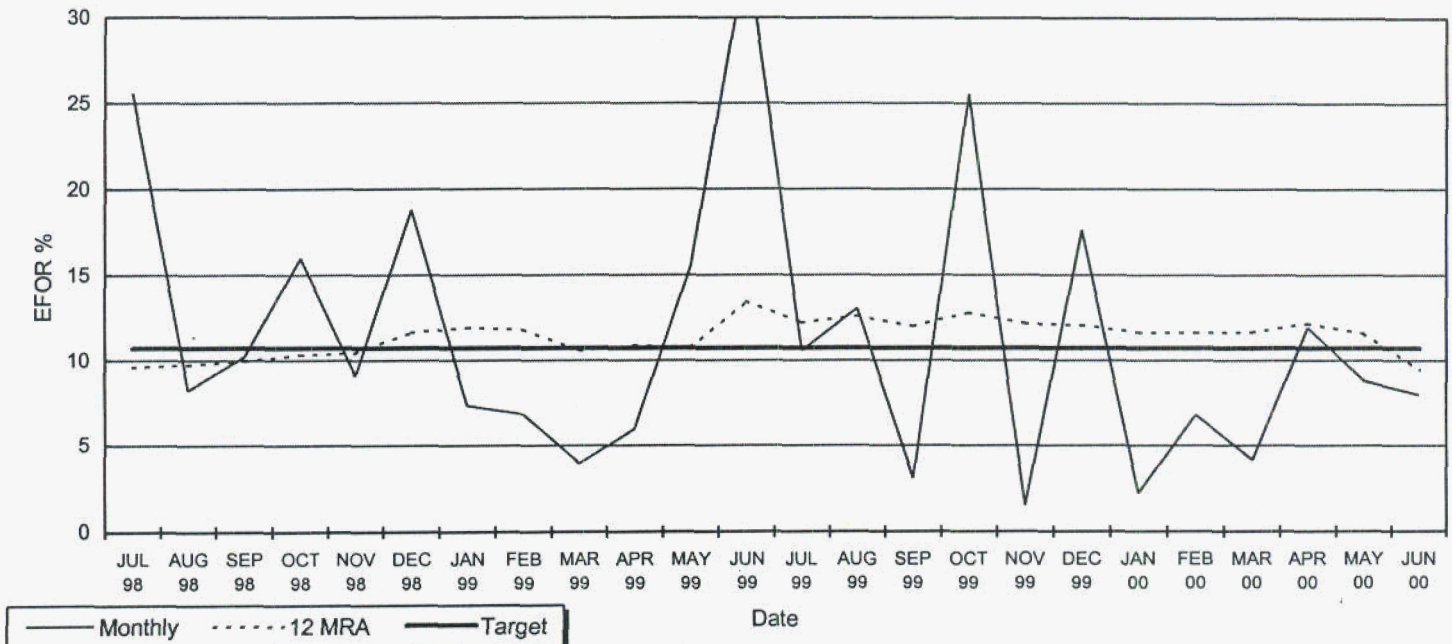
TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2001 - DECEMBER 2001



TAMPA ELECTRIC COMPANY
BIG BEND UNIT NUMBER 1
PLANNED OUTAGE 2001
PROJECTED CPM
09/21/2000

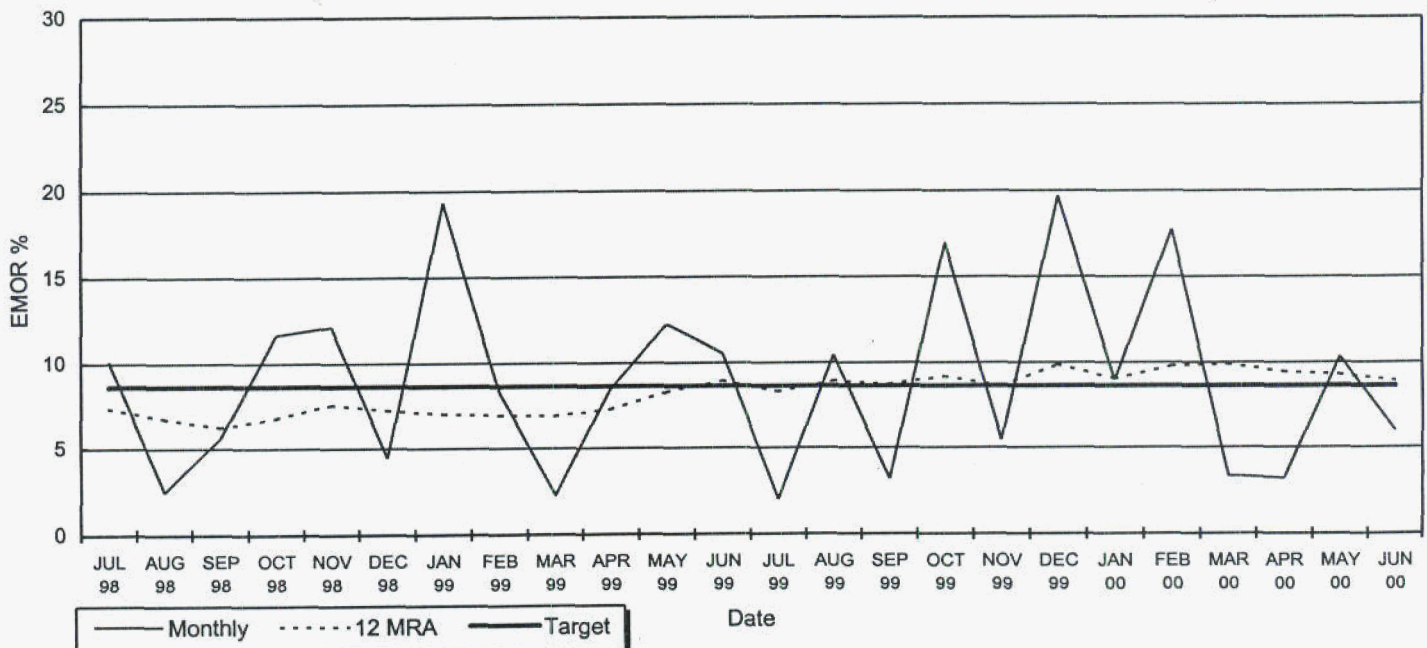
Big Bend Unit 1

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Big Bend Unit 1

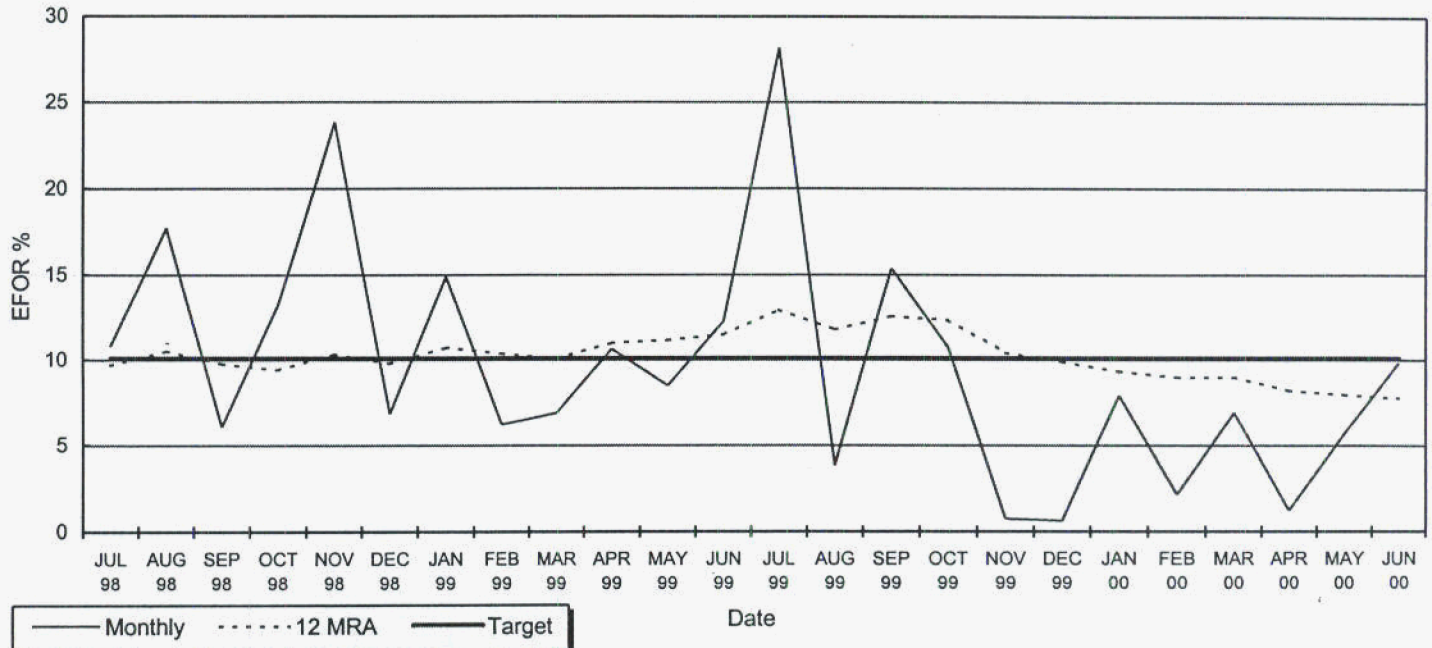
EMOR



12 MRA = 12 Month Rolling Average

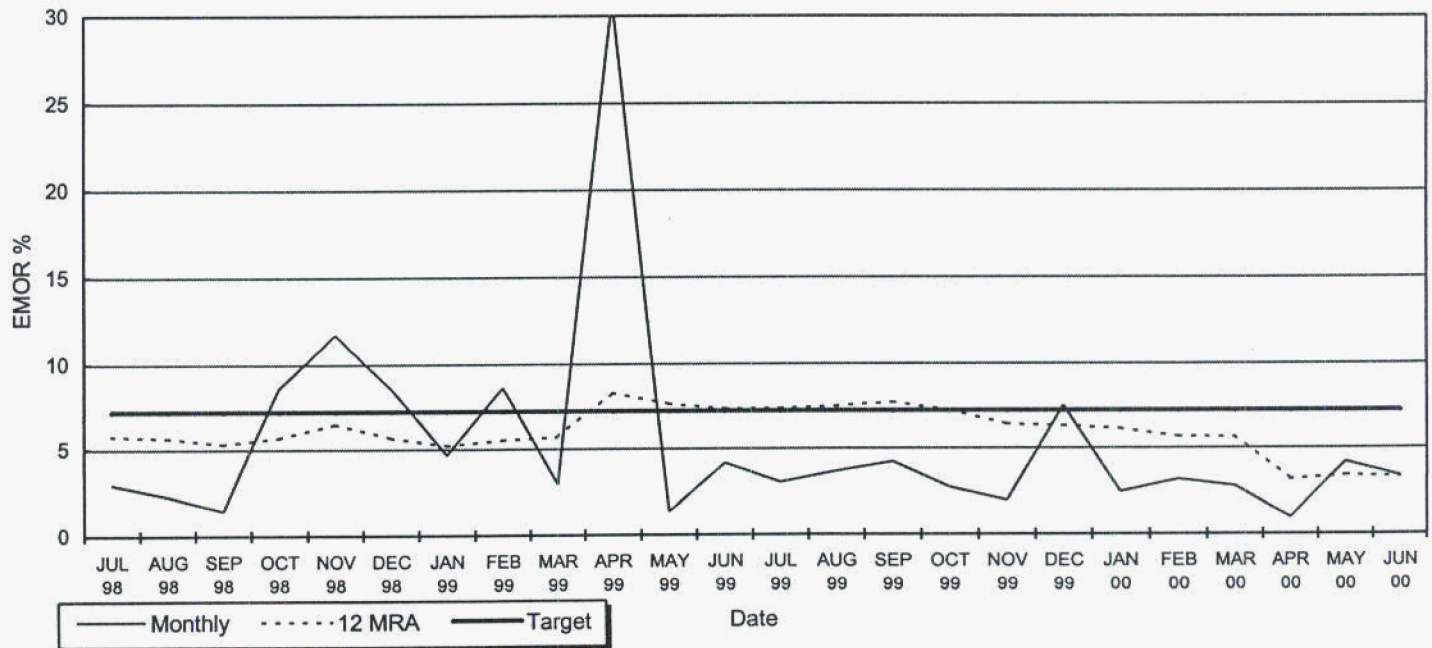
Big Bend Unit 2

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Big Bend Unit 2

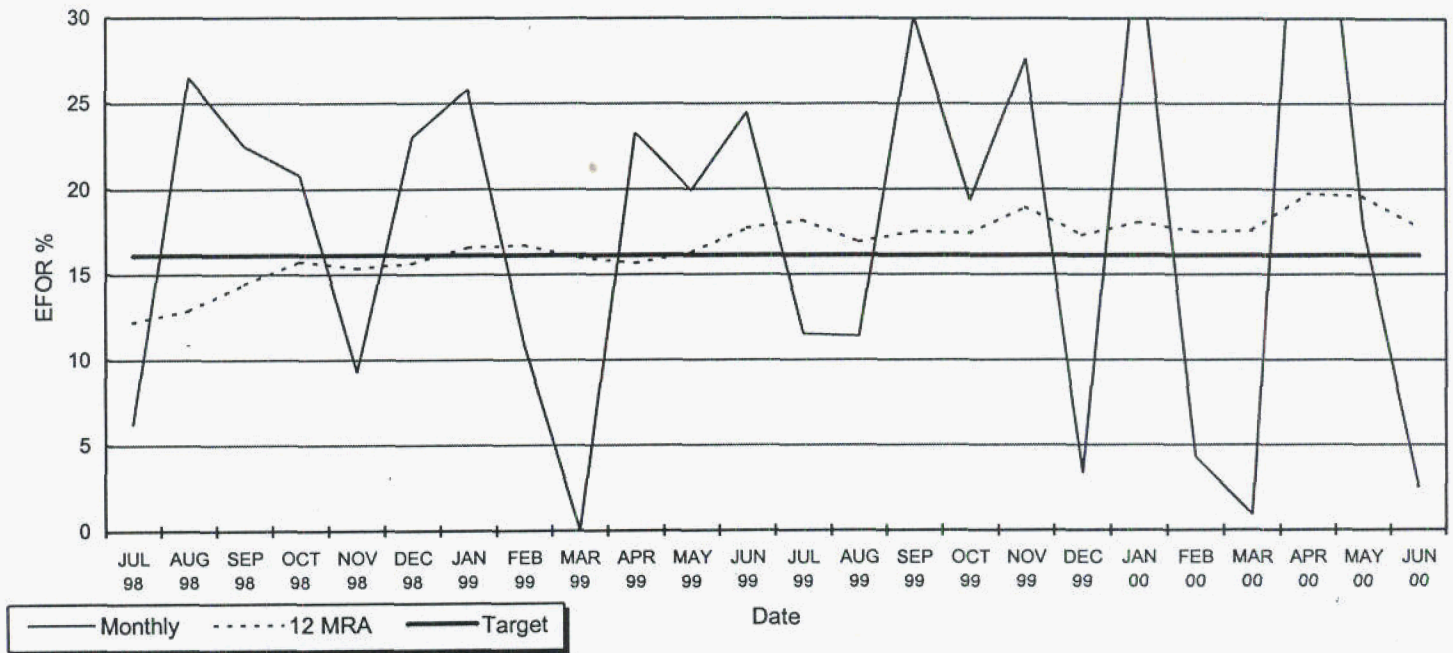
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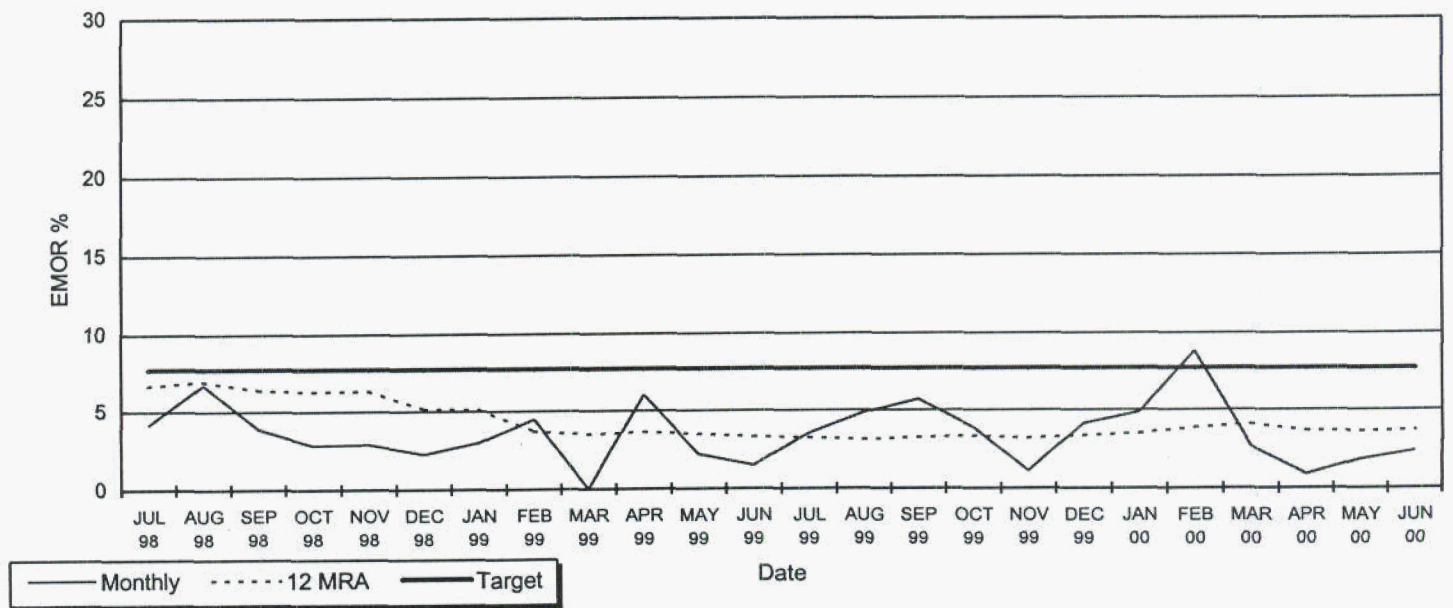
Big Bend Unit 3

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Big Bend Unit 3

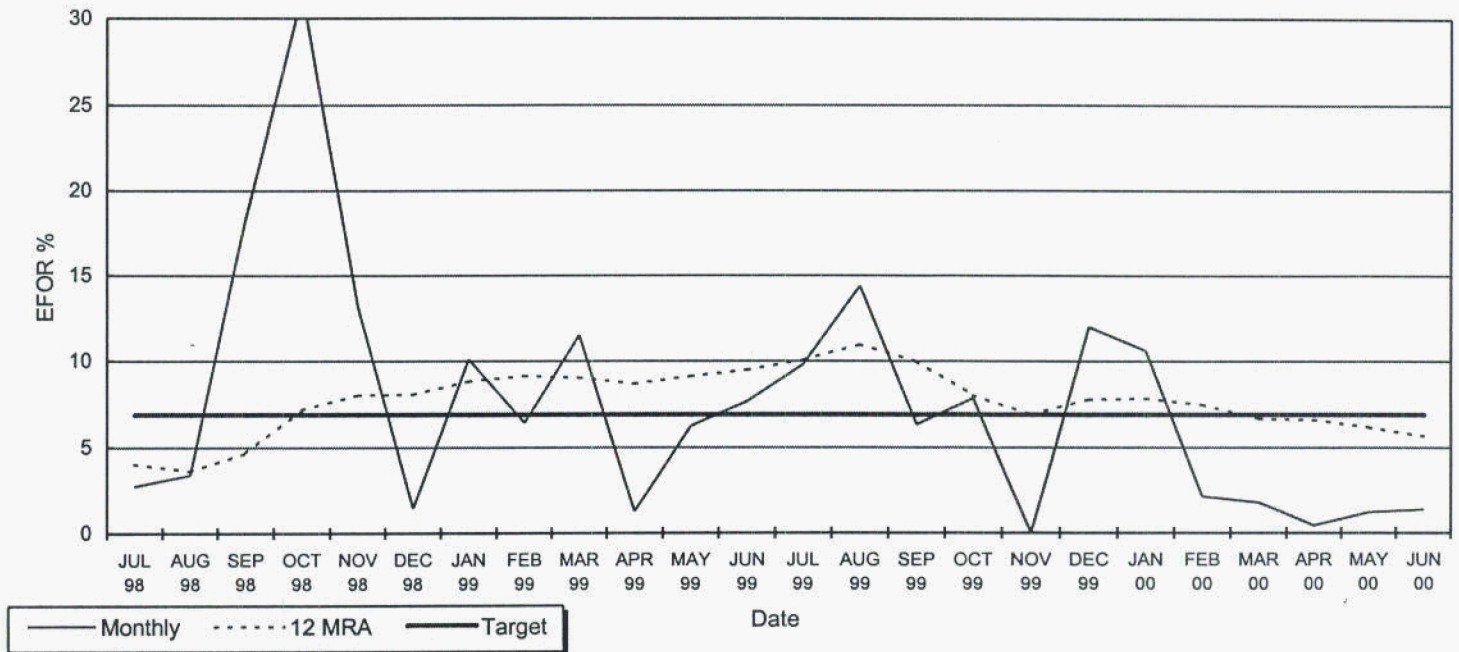
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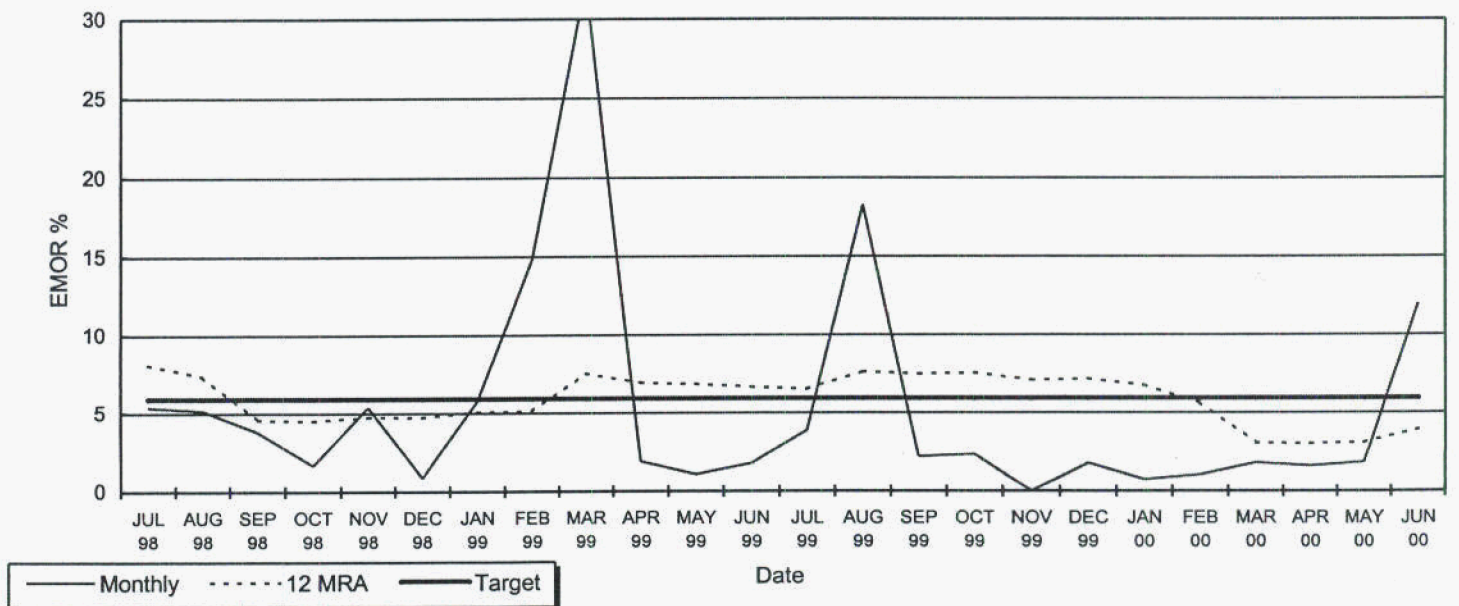
Big Bend Unit 4

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Big Bend Unit 4

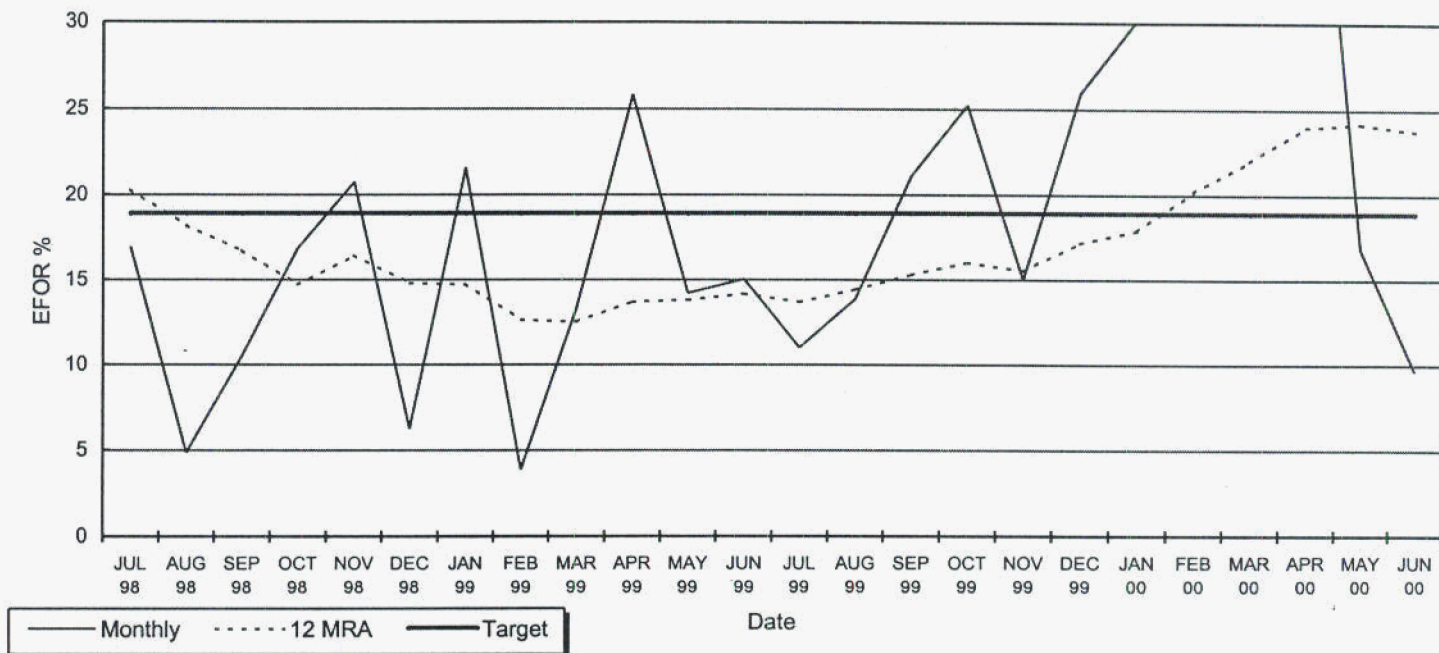
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12 MRA = 12 Month Rolling Average

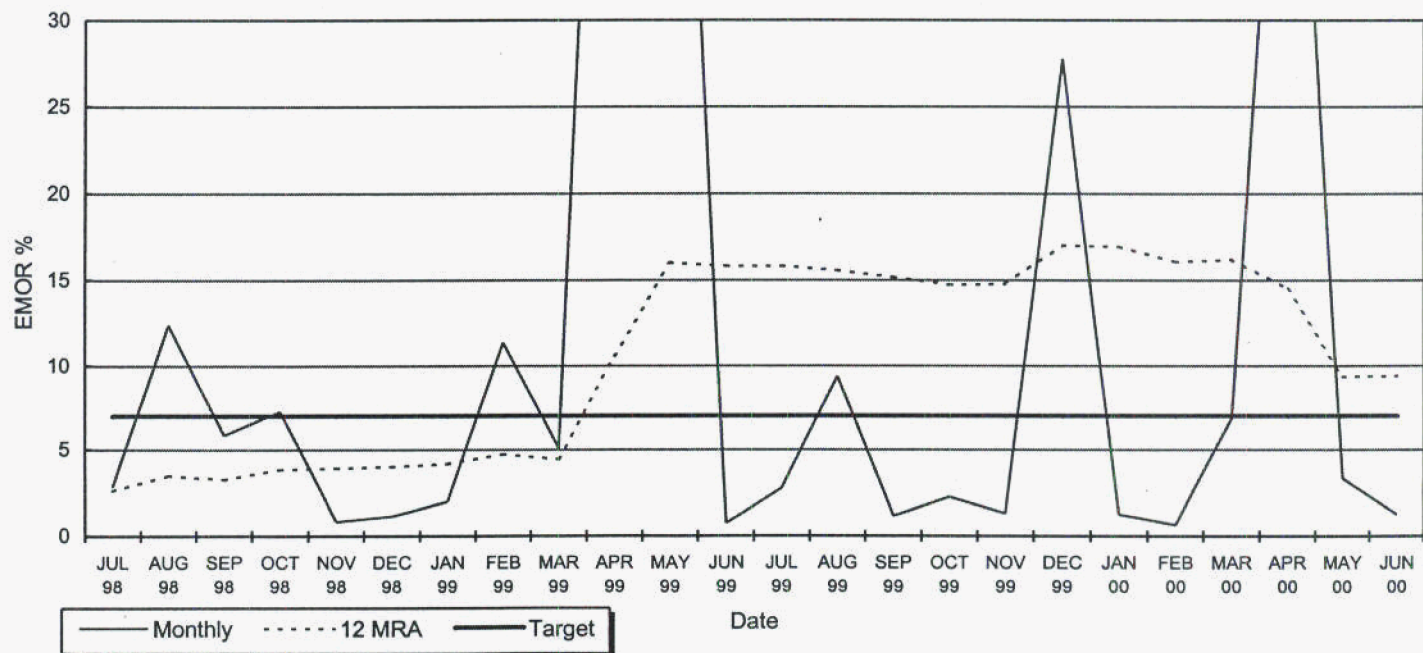
Gannon Unit 5

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Gannon Unit 5

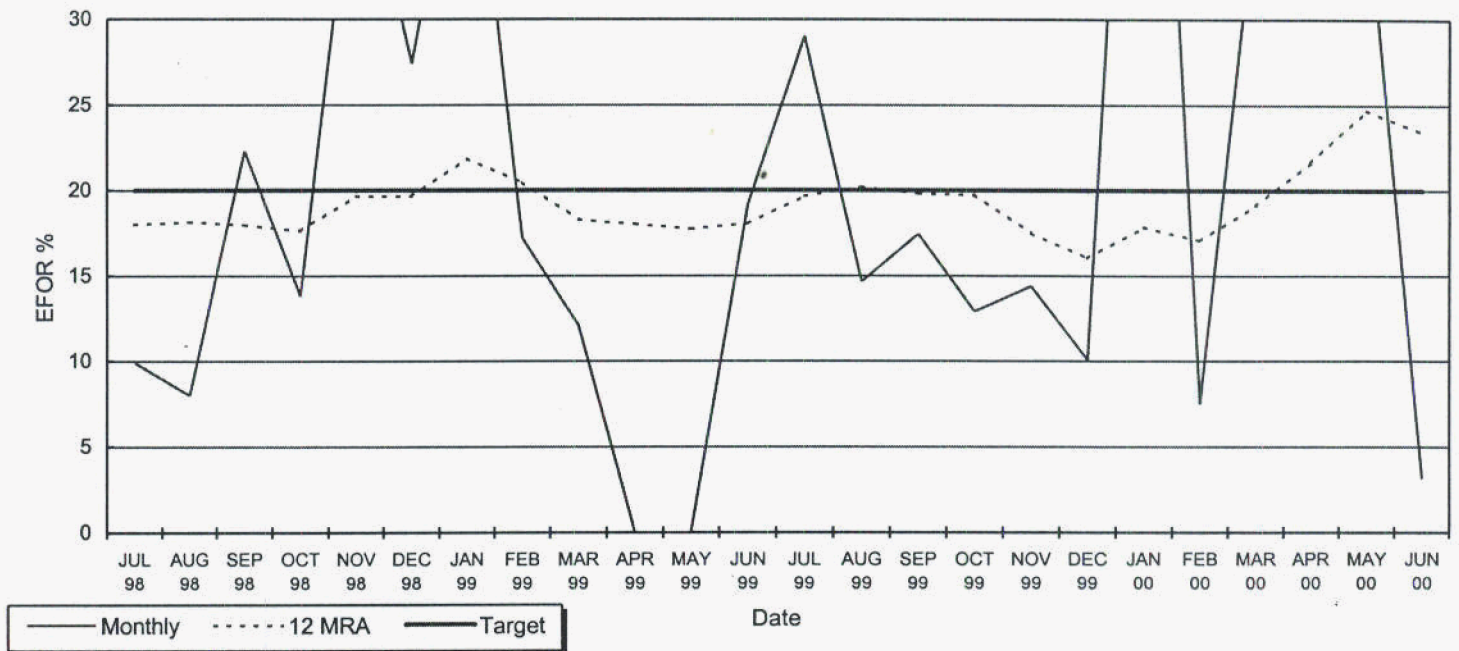
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12 MRA = 12 Month Rolling Average

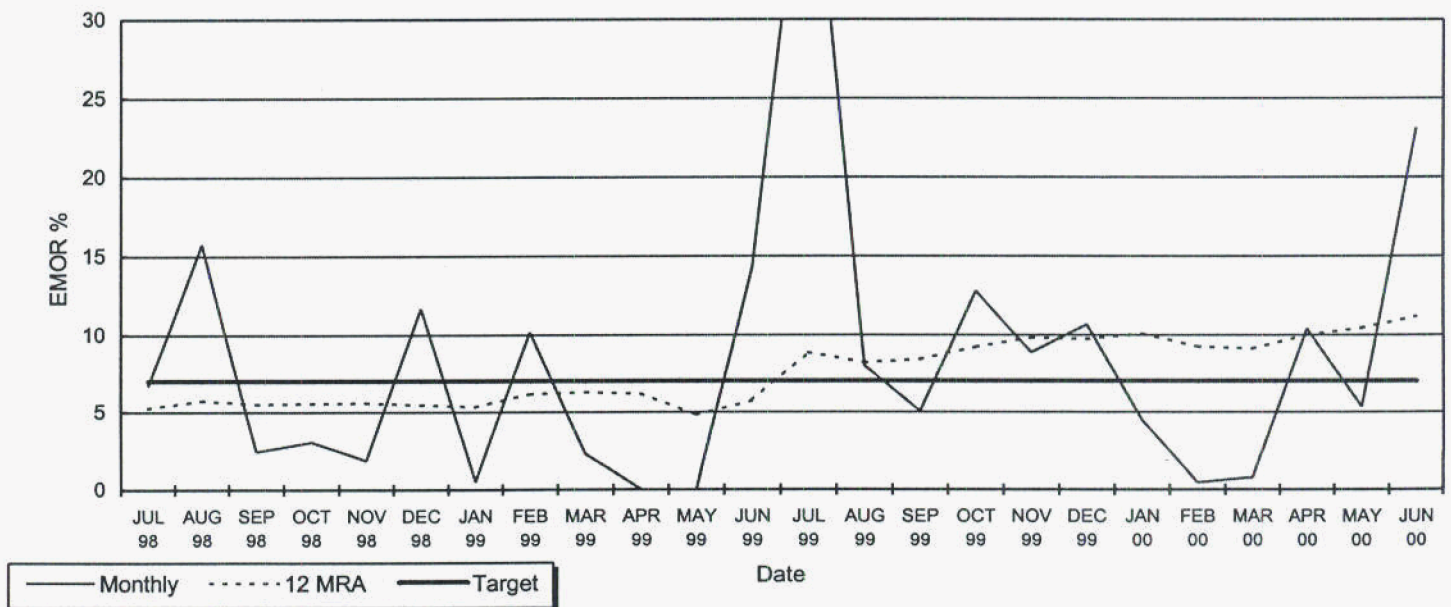
Gannon Unit 6

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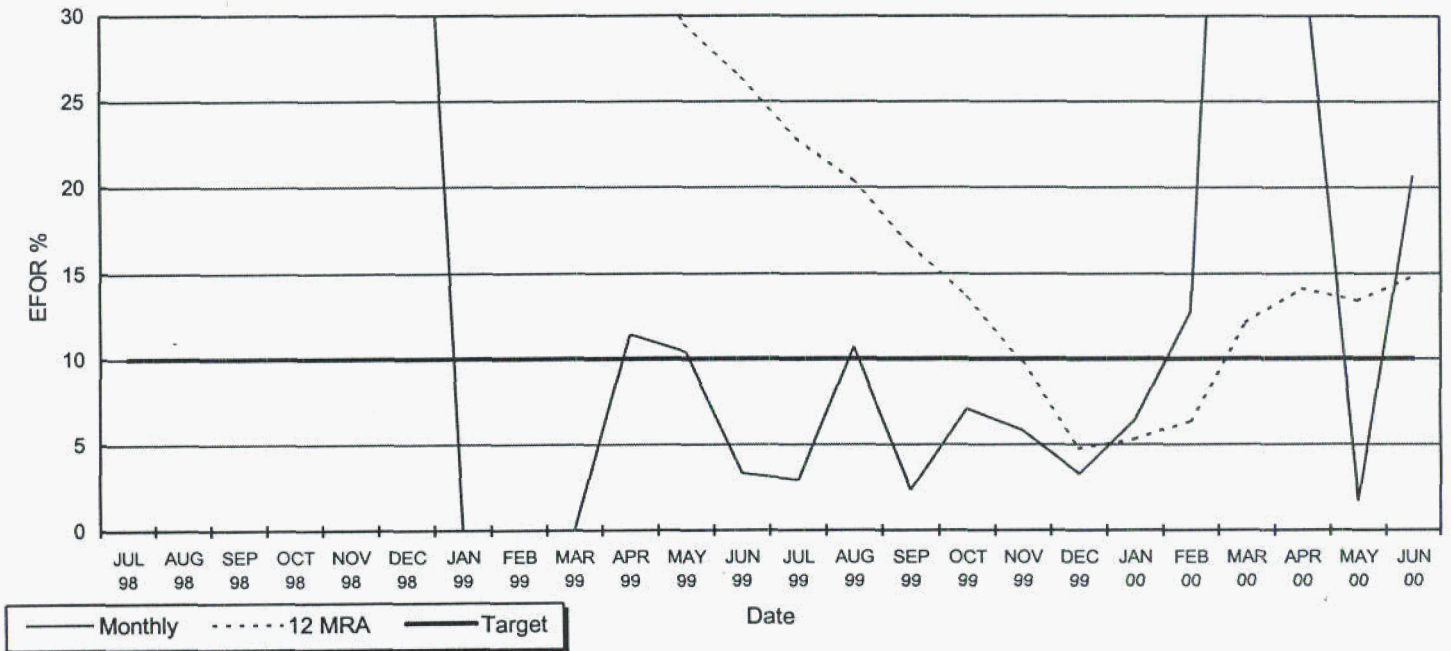
Gannon Unit 6

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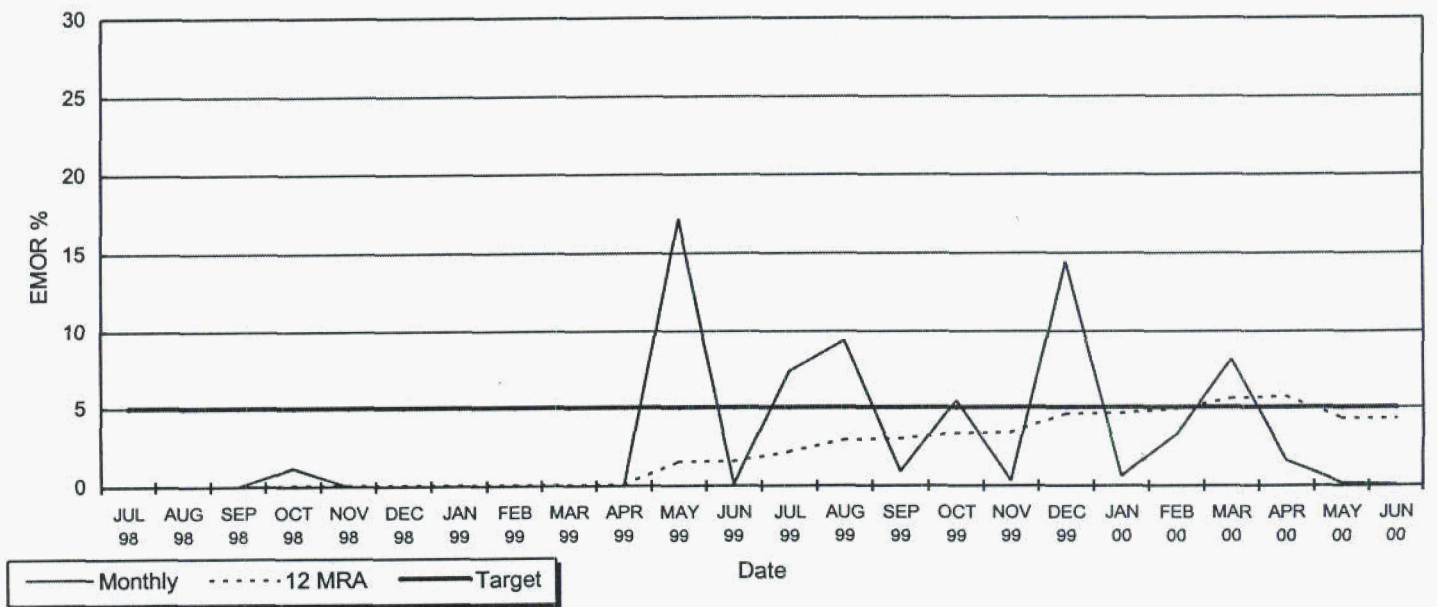


12 MRA = 12 Month Rolling Average

Polk Unit 1
EFOR



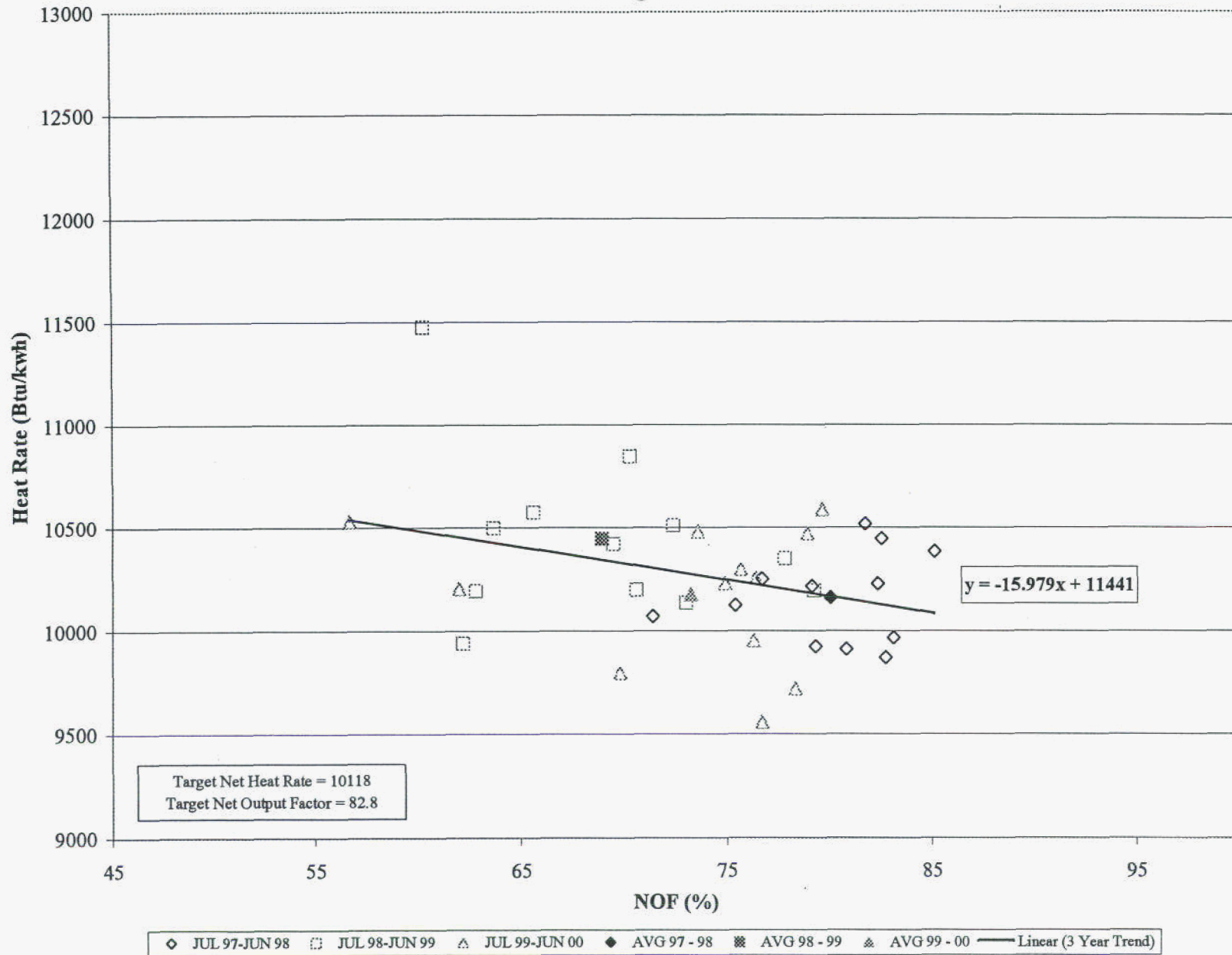
Polk Unit 1
EMOR



12 MRA = 12 Month Rolling Average

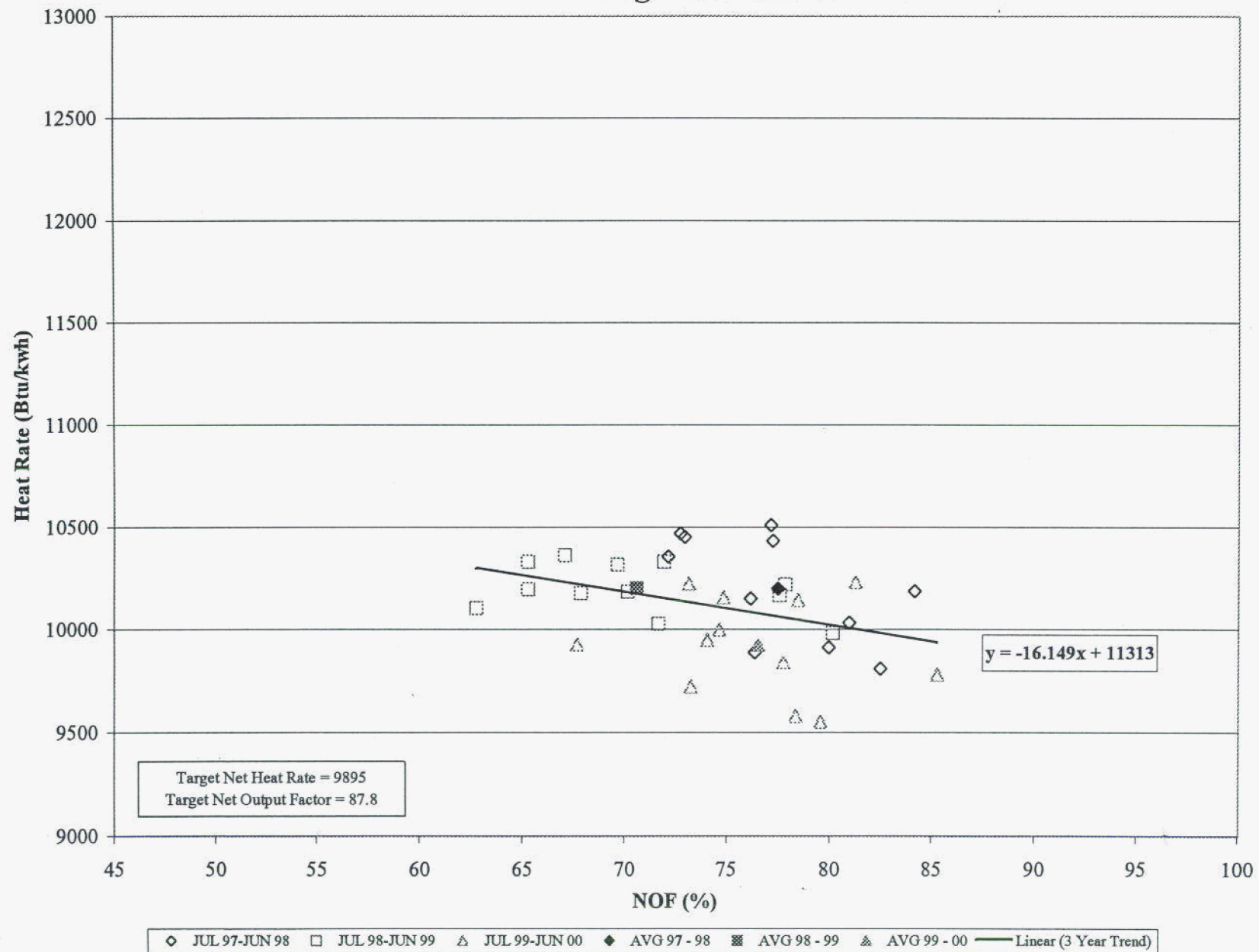
Tampa Electric Company Heat Rate vs Net Output Factor Big Bend Unit #1

50

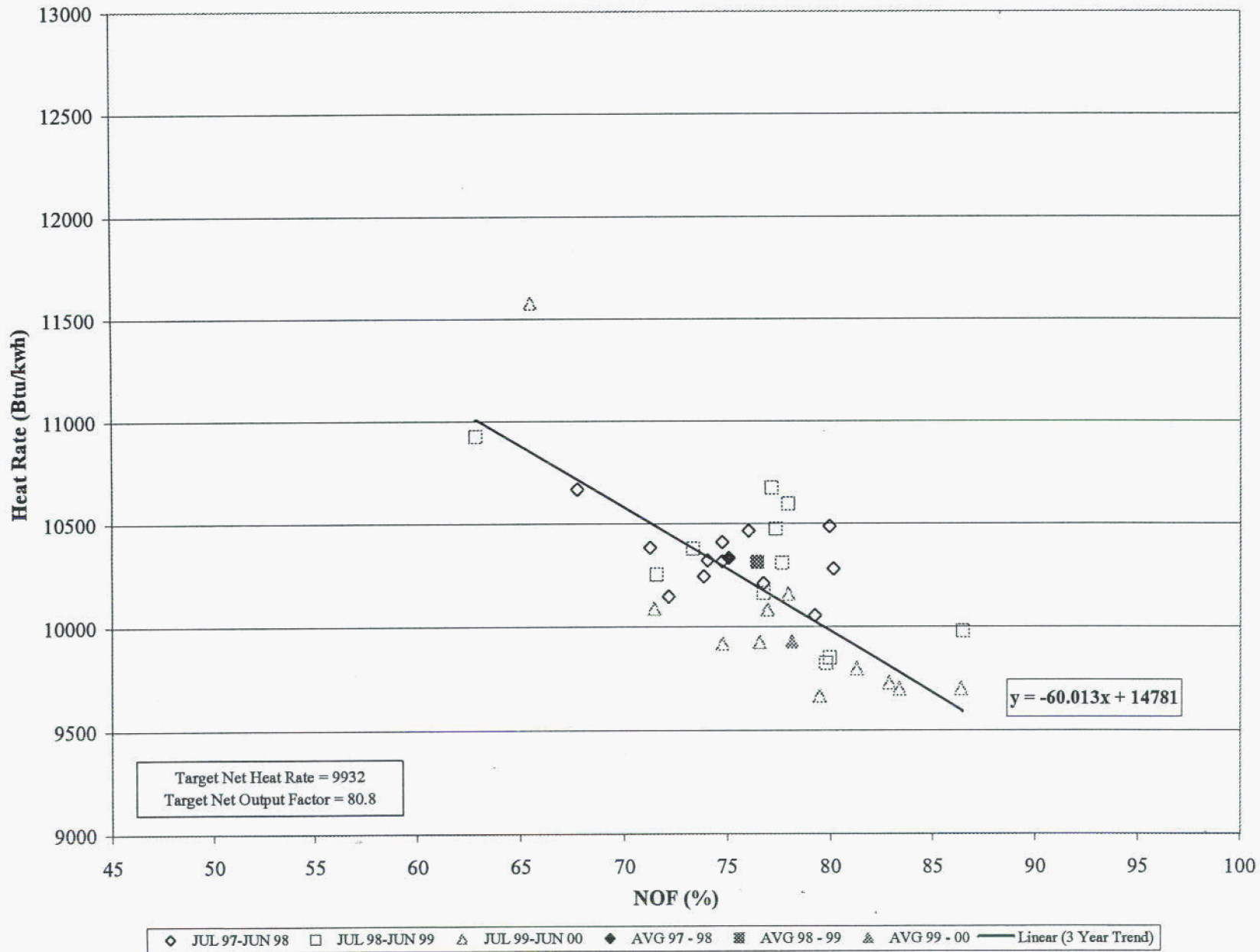


Tampa Electric Company Heat Rate vs Net Output Factor Big Bend Unit #2

51

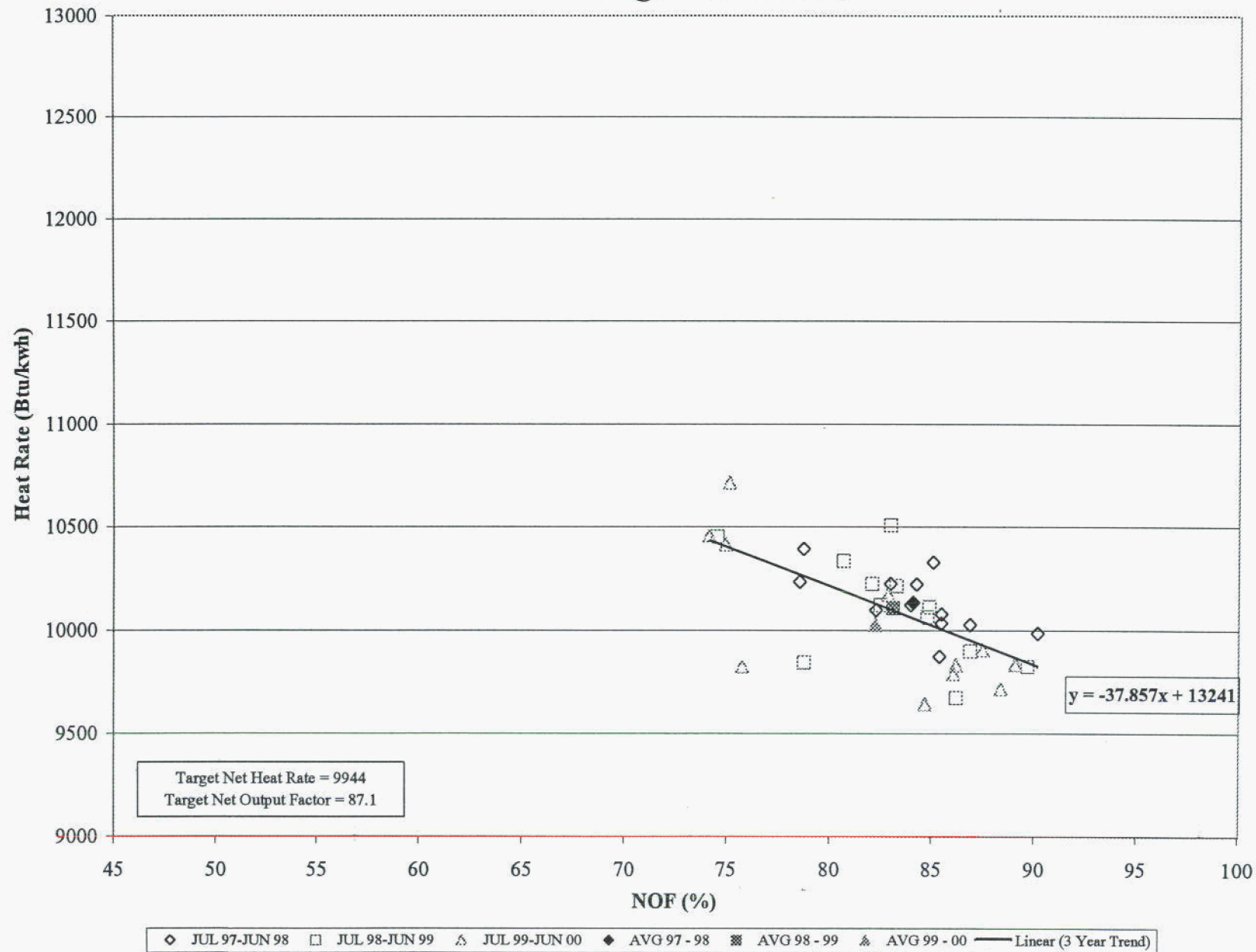


Tampa Electric Company Heat Rate vs Net Output Factor Big Bend Unit #3

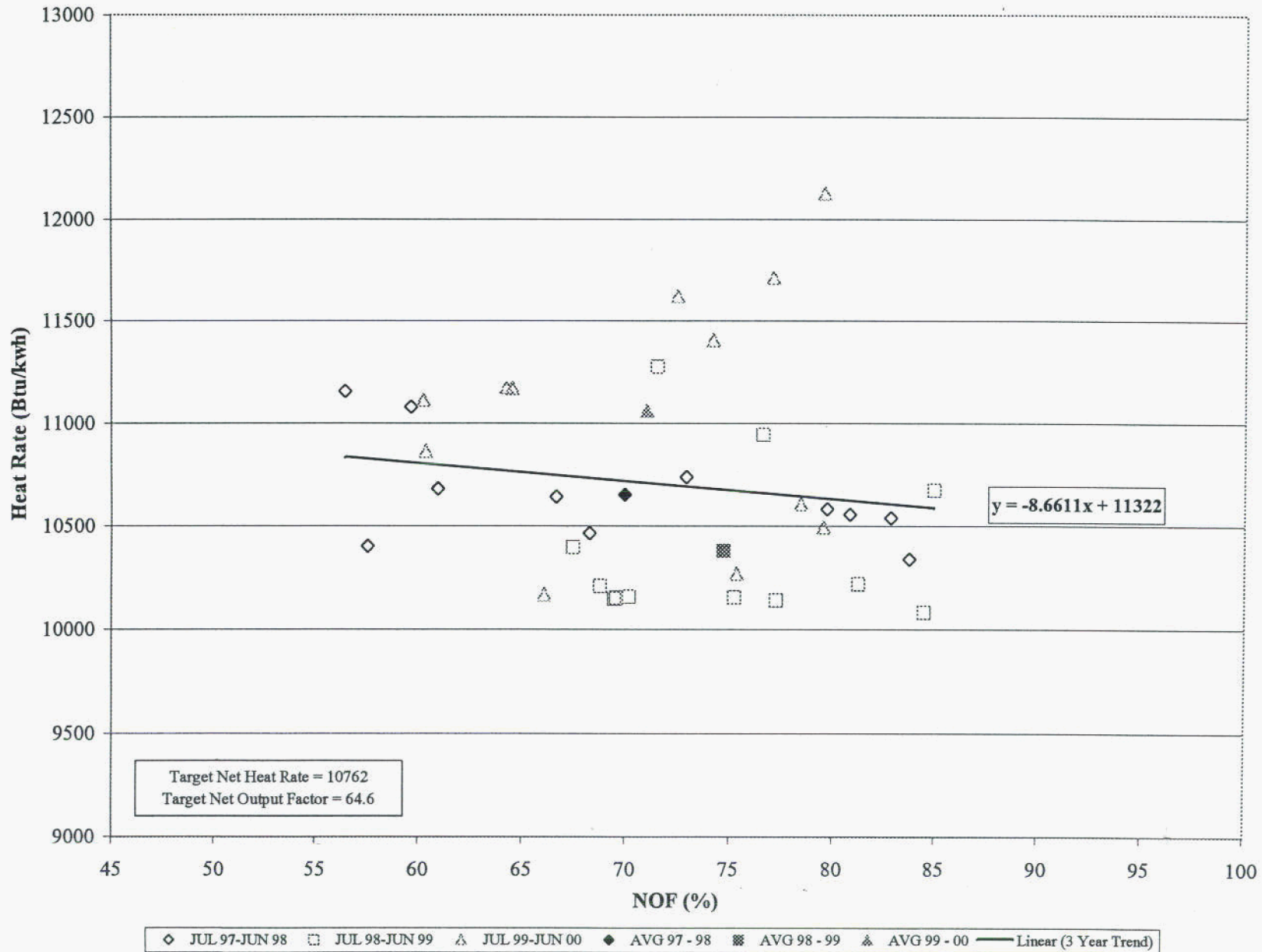


Tampa Electric Company Heat Rate vs Net Output Factor Big Bend Unit #4

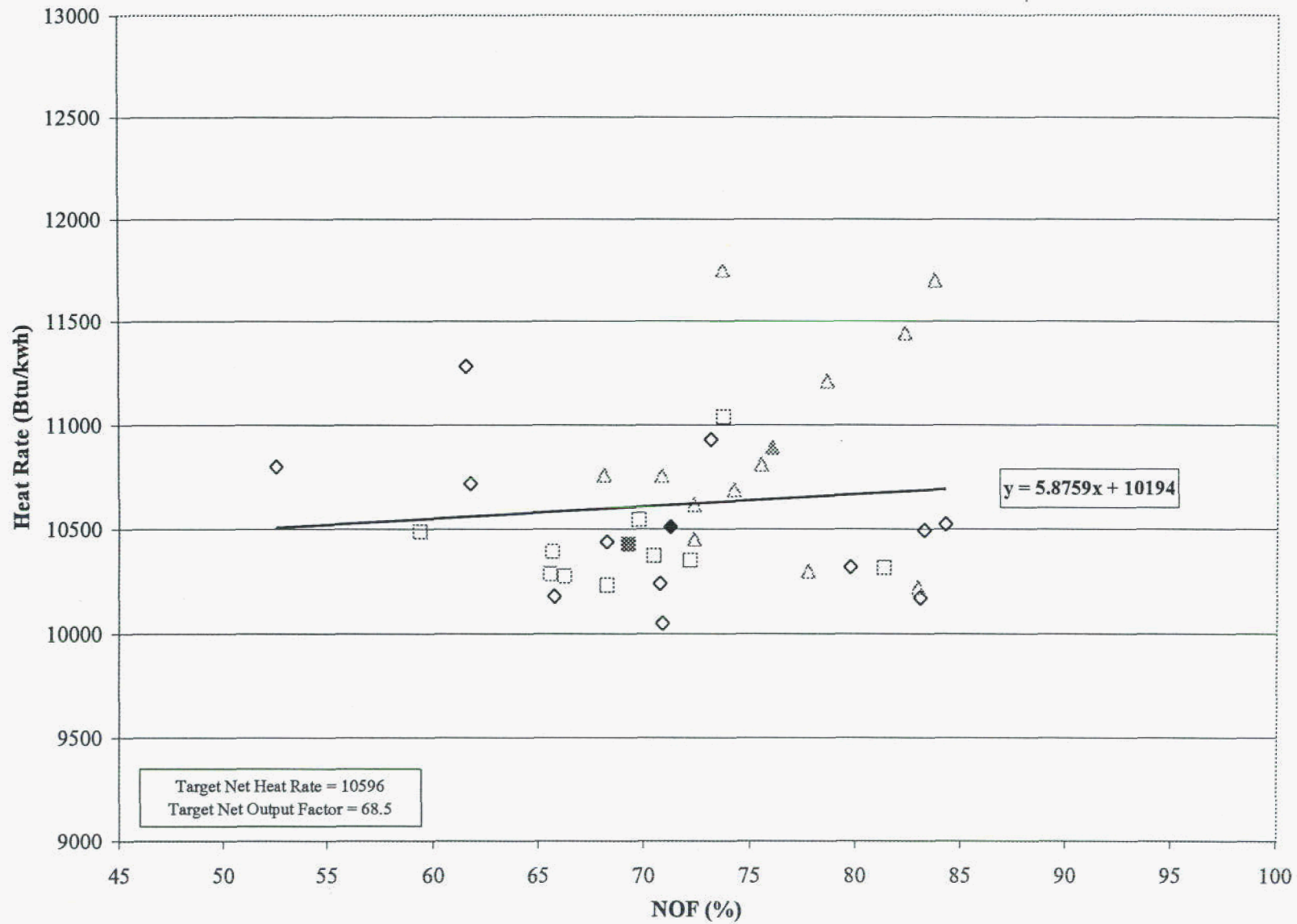
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Tampa Electric Company Heat Rate vs Net Output Factor Gannon Unit #5

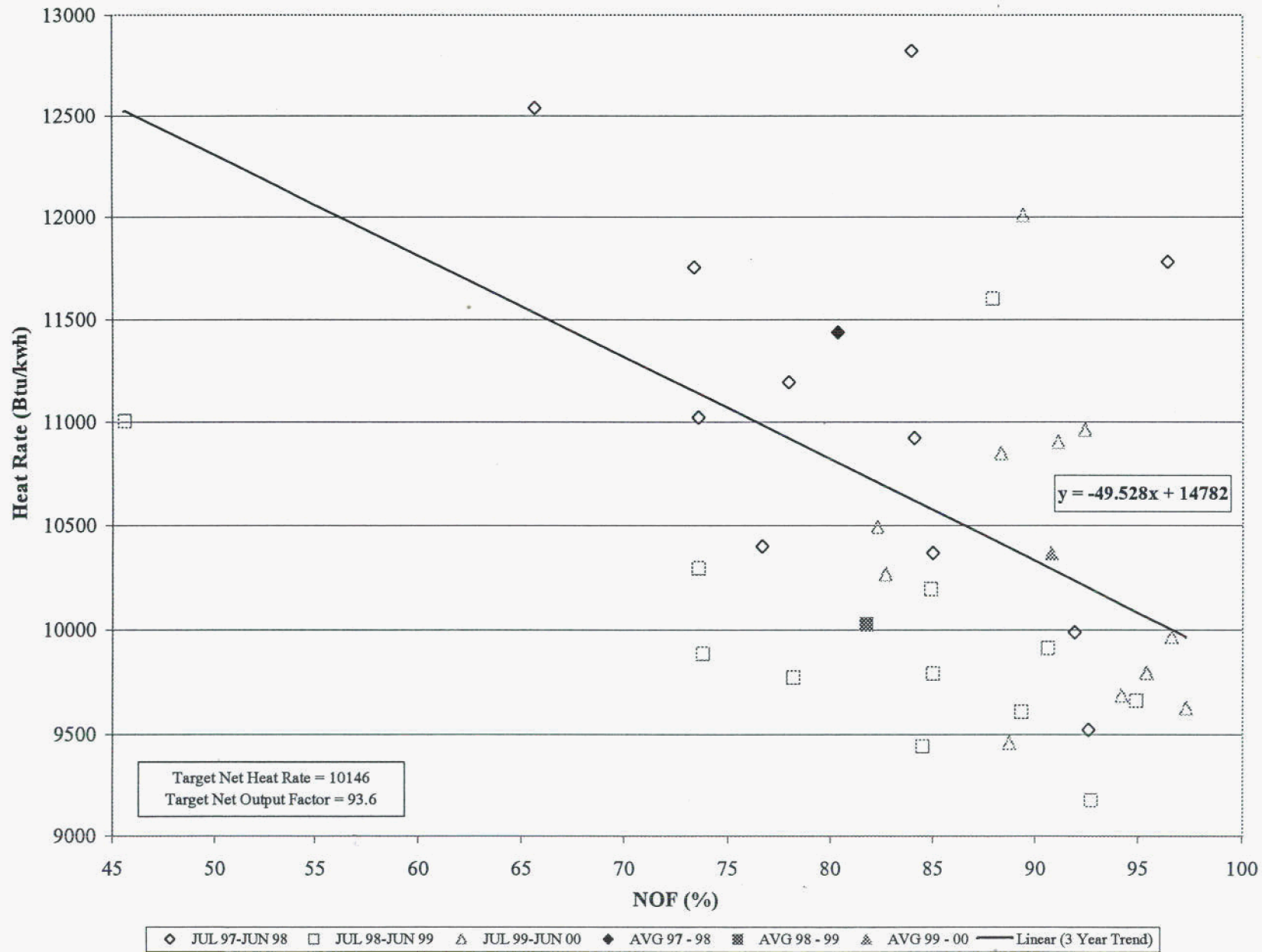


Tampa Electric Company Heat Rate vs Net Output Factor Gannon Unit #6



◇ JUL 97-JUN 98 □ JUL 98-JUN 99 △ JUL 99-JUN 00 ◆ AVG 97-98 ■ AVG 98-99 ▲ AVG 99-00 — Linear (3 Year Trend)

Tampa Electric Company Heat Rate vs Net Output Factor Polk Unit #1



**TAMPA ELECTRIC COMPANY
GENERATING UNITS IN GPIF
TABLE 4.2
JANUARY 2001 - DECEMBER 2001**

<u>PLANT / UNIT</u>	<u>ANNUAL GROSS MDC (MW)</u>	<u>ANNUAL NET NDC (MW)</u>
BIG BEND 1 w/o FGD	440	426
BIG BEND 2 w/o FGD	440	426
BIG BEND 3	455	438
BIG BEND 4	473	445
GANNON 5	250	237
GANNON 6	395	382
POLK 1	315	250
GPIF TOTAL	<u>2768</u>	<u>2604</u>
SYSTEM TOTAL	3899	3676
% OF SYSTEM TOTAL	70.98%	70.82%

TAMPA ELECTRIC COMPANY
UNIT RATINGS
JANUARY 2001 - DECEMBER 2001

<u>PLANT / UNIT</u>	<u>ANNUAL GROSS MDC (MW)</u>	<u>ANNUAL NET NDC (MW)</u>
HOOKERS POINT 1	32	31
HOOKERS POINT 2	32	31
HOOKERS POINT 3	32	31
HOOKERS POINT 4	42	40
HOOKERS POINT 5	63	60
HOOKERS POINT TOTAL	<u>201</u>	<u>193</u>
GANNON 1	120	114
GANNON 2	100	93
GANNON 3	160	150
GANNON 4	175	164
GANNON 5	250	237
GANNON 6	395	382
GANNON TOTAL	<u>1200</u>	<u>1140</u>
BIG BEND 1 w/o FGD	440	426
BIG BEND 2 w/o FGD	440	426
BIG BEND 3	455	438
BIG BEND 4	473	445
BIG BEND TOTAL	<u>1808</u>	<u>1735</u>
GANNON CT	15	15
BIG BEND CT1	15	15
BIG BEND CT2	73	73
BIG BEND CT3	73	73
CT TOTAL	<u>175</u>	<u>175</u>
PHILLIPS 1	18	17
PHILLIPS 2	18	17
PHILLIPS TOTAL	<u>36</u>	<u>34</u>
POLK 1	315	250
POLK 2	165	150
POLK TOTAL	<u>480</u>	<u>400</u>
SYSTEM TOTAL	<u>3899</u>	<u>3676</u>

TAMPA ELECTRIC COMPANY
PERCENT GENERATION BY UNIT
JANUARY 2001 - DECEMBER 2001

PLANT	UNIT	NET OUTPUT MWH	PERCENT OF PROJECTED OUTPUT	PERCENT CUMULATIVE PROJECTED OUTPUT
BIG BEND	4	3,054,988	17.43%	17.43%
BIG BEND	2	2,852,590	16.27%	33.70%
BIG BEND	3	2,566,868	14.64%	48.35%
BIG BEND	1	2,401,066	13.70%	62.04%
GANNON	6	1,822,891	10.40%	72.44%
POLK	1	1,612,905	9.20%	81.65%
GANNON	5	1,092,983	6.24%	87.88%
GANNON	4	634,749	3.62%	91.50%
GANNON	3	536,434	3.06%	94.56%
GANNON	1	379,771	2.17%	96.73%
GANNON	2	307,593	1.75%	98.48%
POLK	2	123,804	0.71%	99.19%
HOOKE'S POINT	5	30,269	0.17%	99.36%
HOOKE'S POINT	4	17,008	0.10%	99.46%
PHILLIPS	2	15,412	0.09%	99.55%
PHILLIPS	1	15,373	0.09%	99.64%
HOOKE'S POINT	1	13,538	0.08%	99.71%
HOOKE'S POINT	3	13,000	0.07%	99.79%
HOOKE'S POINT	2	12,854	0.07%	99.86%
BIG BEND CT	2	10,625	0.06%	99.92%
BIG BEND CT	3	10,078	0.06%	99.98%
BIG BEND CT	1	1,902	0.01%	99.99%
GANNON CT	1	1,807	0.01%	100.00%
TOTAL GENERATION		17,528,508	100.00%	

GENERATION BY COAL UNITS: 17,262,838 MWH

% GENERATION BY COAL UNITS: 98.48%

GENERATION BY OIL UNITS: 141,866 MWH

% GENERATION BY OIL UNITS: 0.81%

GENERATION BY NATURAL GAS UNITS: 123,804 MWH

% GENERATION BY GPIF UNITS: 0.71%

GENERATION BY GPIF UNITS: 15,404,291 MWH

% GENERATION BY GPIF UNITS: 87.88%

EXHIBITS TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCUMENT NO. 1

GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2001 - DECEMBER 2001

PART B - UNIT PERFORMANCE DATA

**TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2001 - DECEMBER 2001
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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2001 - DECEMBER 2001

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PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 1 FADJ (w/ FGD)	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	80.6	80.7	25.9	5.3	80.6	80.7	80.6	80.6	80.7	80.7	80.7	80.6	69.9
2. POF	0.0	0.0	67.7	93.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4
3. EUOF	19.4	19.3	6.3	1.3	19.4	19.3	19.4	19.4	19.3	19.3	19.3	19.4	16.7
4. EUOR	19.4	19.3	19.6	19.1	19.4	19.3	19.4	19.4	19.3	19.3	19.3	19.4	19.3
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	668	603	195	64	668	646	668	668	646	668	646	668	6806
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	76	69	549	655	76	74	76	76	74	77	74	76	1954
9. POH	0	0	504	672	0	0	0	0	0	0	0	0	1176
10. FOH & EFOH	80	72	26	5	80	77	80	80	77	80	77	80	811
11. MOH & EMOH	64	58	21	4	64	62	64	64	62	64	62	64	652
12. OPER BTU (GBTU)	2284.592	2116.208	701.367	228.765	2371.210	2312.798	2416.335	2414.594	2315.979	2343.755	2251.583	2233.113	23990.301
13. NET GEN (MWH)	227,995	211,282	69,729	22,716	234,056	227,832	236,105	235,991	228,182	231,003	223,746	222,429	2,371,066
14. ANOHR (Btu/kwh)	10,020	10,016	10,058	10,071	10,131	10,151	10,234	10,232	10,150	10,146	10,063	10,040	10,118
15. NOF (%)	80.2	82.2	84.0	85.5	84.3	84.8	85.0	85.0	84.9	81.2	81.3	78.2	82.8
16. NPC (MW)	426	426	426	416	416	416	416	416	416	426	426	426	421
17. ANOHR EQUATION	ANOHR = NOF(-15.979) + 11441												

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2001 - DECEMBER 2001

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 2 FADJ (w/ FGD)	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	82.7	50.3	56.0	82.6	82.7	82.6	82.7	82.7	82.6	82.7	82.6	82.7	77.9
2. POF	0.0	39.3	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8
3. EUOF	17.3	10.4	11.7	17.4	17.3	17.4	17.3	17.3	17.4	17.3	17.4	17.3	16.3
4. EUOR	17.3	17.2	17.3	17.4	17.3	17.4	17.3	17.3	17.4	17.3	17.4	17.3	17.3
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	687	355	487	665	687	665	687	687	665	687	665	687	7623
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	57	317	257	54	57	55	57	57	55	58	55	57	1137
9. POH	0	264	240	0	0	0	0	0	0	0	0	0	504
10. FOH & EFOH	75	41	51	73	75	73	75	75	73	75	73	75	834
11. MOH & EMOH	54	29	36	52	54	52	54	54	52	54	52	54	594
12. OPER BTU (GBTU)	2455.834	1312.298	1839.210	2496.632	2502.935	2463.573	2569.459	2575.821	2470.084	2458.698	2396.950	2379.251	27920.744
13. NET GEN (MWH)	248,326	132,909	186,565	253,651	253,557	249,044	258,675	259,331	249,737	248,337	242,418	240,040	2,822,590
14. ANOHR (Btu/kwh)	9,890	9,874	9,858	9,843	9,871	9,892	9,933	9,933	9,891	9,901	9,888	9,912	9,892
15. NOF (%)	84.9	87.8	90.0	91.7	88.7	90.1	90.5	90.8	90.3	84.9	85.6	82.0	88.0
16. NPC (MW)	426	426	426	416	416	416	416	416	416	426	426	426	421
17. ANOHR EQUATION	ANOHR = NOF(-16.149) + 11313												

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA

JANUARY 2001 - DECEMBER 2001

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 3	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	76.2	76.2	76.2	76.2	76.2	76.3	76.2	76.2	76.3	76.2	22.8	76.2	71.8
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.0	0.0	5.8
3. EUOF	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	7.2	23.8	22.4
4. EUOR	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	24.1	23.8	23.8
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	653	590	653	632	653	632	653	653	632	653	190	653	7249
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	91	82	91	87	91	88	91	91	88	92	530	91	1511
9. POH	0	0	0	0	0	0	0	0	0	0	504	0	504
10. FOH & EFOH	120	108	120	116	120	116	120	120	116	120	35	120	1329
11. MOH & EMOH	57	52	57	55	57	55	57	57	55	57	17	57	636
12. OPER BTU (GBTU)	2164.579	2074.730	2400.162	2337.416	2290.120	2263.972	2379.969	2406.216	2279.492	2204.954	649.439	2042.955	25494.004
13. NET GEN (MWH)	218,307	209,716	243,128	236,020	231,521	227,890	237,182	239,912	229,522	222,501	65,608	205,561	2,566,868
14. ANOHR (Btu/kwh)	9,915	9,893	9,872	9,903	9,892	9,934	10,034	10,030	9,931	9,910	9,899	9,938	9,932
15. NOF (%)	75.4	80.2	84.0	86.2	81.8	83.2	83.8	84.8	83.8	76.9	78.1	71.0	80.8
16. NPC (MW)	443	443	443	433	433	433	433	433	433	443	443	443	438
17. ANOHR EQUATION	ANOHR = NOF(-60.013) + 14781												

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2001 - DECEMBER 2001

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 4	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	87.2	87.2	87.2	78.4	56.3	87.2	87.2	87.2	87.2	87.2	87.2	87.2	83.9
2. POF	0.0	0.0	0.0	10.0	35.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
3. EUOF	12.8	12.8	12.8	11.5	8.2	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.3
4. EUOR	12.8	12.8	12.8	12.8	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	697	629	697	608	448	674	697	697	674	697	674	697	7887
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	47	43	47	111	296	46	47	47	46	48	46	47	873
9. POH	0	0	0	72	264	0	0	0	0	0	0	0	336
10. FOH & EFOH	51	46	51	45	33	50	51	51	50	51	50	51	581
11. MOH & EMOH	44	40	44	38	28	42	44	44	42	44	42	44	497
12. OPER BTU (GBTU)	2587.073	2425.292	2783.251	2428.931	1718.508	2648.328	2772.663	2785.524	2660.990	2581.441	2498.651	2487.096	30377.748
13. NET GEN (MWH)	261,413	245,651	281,643	246,316	173,357	265,259	276,151	277,511	266,620	259,365	251,169	250,533	3,054,988
14. ANOHR (Btu/kwh)	9,896	9,873	9,882	9,861	9,913	9,984	10,040	10,038	9,980	9,953	9,948	9,927	9,944
15. NOF (%)	84.0	87.3	90.5	91.7	87.5	89.0	89.7	90.1	89.5	83.3	83.4	80.5	87.1
16. NPC (MW)	447	447	447	442	442	442	442	442	442	447	447	447	445
17. ANOHR EQUATION	ANOHR = NOF(-37.857) + 13241												

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2001 - DECEMBER 2001

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
GANNON 1	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	77.4	77.4	77.4	69.7	15.1	77.5	77.4	77.4	77.5	77.4	77.5	77.4	71.5
2. POF	0.0	0.0	0.0	10.0	80.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7
3. EUOF	22.6	22.6	22.6	20.3	4.3	22.5	22.6	22.6	22.5	22.6	22.5	22.6	20.9
4. EUOR	22.6	22.6	22.6	22.6	22.2	22.5	22.6	22.6	22.5	22.6	22.5	22.6	22.6
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	486	471	168	297	401	387	420	396	402	294	258	480	4460
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	258	201	576	422	343	333	324	348	318	451	462	264	4300
9. POH	0	0	0	72	600	0	0	0	0	0	0	0	672
10. FOH & EFOH	116	105	116	101	22	112	116	116	112	116	112	116	1262
11. MOH & EMOH	52	47	52	45	10	50	52	52	50	52	50	52	566
12. OPER BTU (GBTU)	350.862	387.564	172.501	364.590	467.560	459.979	503.734	474.719	471.305	348.023	296.169	317.656	4614.662
13. NET GEN (MWH)	27,600	31,148	14,244	30,571	39,109	38,336	41,749	39,343	39,235	29,029	24,821	24,586	379,771
14. ANOHR (Btu/kwh)	12,712	12,443	12,110	11,926	11,955	11,999	12,066	12,066	12,012	11,989	11,932	12,920	12,151
15. NOF (%)	49.8	58.0	74.5	90.4	85.5	87.0	87.2	87.2	85.6	86.8	84.4	44.9	74.7
16. NPC (MW)	114	114	114	114	114	114	114	114	114	114	114	114	114

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DOCKET NO: 000001-EI

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2001 - DECEMBER 2001

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
GANNON 2	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	77.0	76.9	77.0	77.1	77.0	77.1	77.0	77.0	71.8	12.6	77.1	77.0	71.1
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	83.8	0.0	0.0	7.7
3. EUOF	23.0	23.1	23.0	22.9	23.0	22.9	23.0	23.0	21.5	3.6	22.9	23.0	21.2
4. EUOR	23.0	23.1	23.0	22.9	23.0	22.9	23.0	23.0	23.1	22.3	22.9	23.0	23.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	470	445	522	315	325	339	403	375	320	27	197	467	4203
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	274	227	222	404	419	381	341	369	400	718	523	277	4557
9. POH	0	0	0	0	0	0	0	0	48	624	0	0	672
10. FOH & EFOH	119	108	119	115	119	115	119	119	108	19	115	119	1294
11. MOH & EMOH	52	47	52	50	52	50	52	52	47	8	50	52	566
12. OPER BTU (GBTU)	316.128	332.653	475.064	350.364	354.918	379.949	462.649	428.169	356.432	31.140	208.417	288.546	3984.429
13. NET GEN (MWH)	23,619	25,413	36,948	27,918	28,064	29,589	35,335	32,669	27,749	2,469	16,688	21,132	307,593
14. ANOHR (Btu/kwh)	13,384	13,090	12,858	12,550	12,647	12,841	13,093	13,106	12,845	12,612	12,489	13,654	12,954
15. NOF (%)	57.1	65.0	80.4	90.5	88.2	89.1	89.5	89.0	88.6	104.4	96.5	51.5	78.7
16. NPC (MW)	88	88	88	98	98	98	98	98	98	88	88	88	93

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
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GANNON 3	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	81.0	81.0	81.0	81.1	81.0	81.1	81.0	81.0	81.1	67.9	18.9	81.0	74.8
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1	76.7	0.0	7.7
3. EUOF	19.0	19.0	19.0	18.9	19.0	18.9	19.0	19.0	18.9	16.0	4.4	19.0	17.5
4. EUOR	19.0	19.0	19.0	18.9	19.0	18.9	19.0	19.0	18.9	19.0	19.0	19.0	19.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	495	476	563	371	385	392	431	402	406	229	47	490	4687
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	249	196	181	348	359	328	313	342	314	516	673	254	4073
9. POH	0	0	0	0	0	0	0	0	0	120	552	0	672
10. FOH & EFOH	89	81	89	86	89	86	89	89	86	75	20	89	971
11. MOH & EMOH	52	47	52	50	52	50	52	52	50	44	12	52	566
12. OPER BTU (GBTU)	513.212	549.401	784.528	585.309	579.295	608.005	676.080	628.800	619.421	353.269	76.033	470.824	6444.177
13. NET GEN (MWH)	41,295	44,955	65,612	49,459	48,841	51,182	56,718	52,729	52,089	29,710	6,453	37,391	536,434
14. ANOHR (Btu/kwh)	12,428	12,221	11,957	11,834	11,861	11,879	11,920	11,925	11,892	11,891	11,783	12,592	12,013
15. NOF (%)	53.8	61.0	75.2	91.9	87.6	90.1	90.8	90.5	88.5	83.6	88.1	49.2	76.3
16. NPC (MW)	155	155	155	145	145	145	145	145	145	155	155	155	150

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GANNON 4	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	77.0	76.9	77.0	77.1	77.0	77.1	77.0	77.0	77.1	77.0	59.0	24.9	71.1
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.3	67.7	7.7
3. EUOF	23.0	23.1	23.0	22.9	23.0	22.9	23.0	23.0	22.9	23.0	17.6	7.4	21.2
4. EUOR	23.0	23.1	23.0	22.9	23.0	22.9	23.0	23.0	22.9	23.0	23.0	22.9	23.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	484	476	550	391	412	386	417	395	412	325	223	151	4623
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	260	196	194	328	332	334	327	349	308	421	497	593	4137
9. POH	0	0	0	0	0	0	0	0	0	0	168	504	672
10. FOH & EFOH	119	108	119	115	119	115	119	119	115	119	88	38	1294
11. MOH & EMOH	52	47	52	50	52	50	52	52	50	52	39	17	566
12. OPER BTU (GBTU)	498.441	564.819	850.796	729.766	682.189	727.612	790.448	750.145	756.159	574.456	393.538	148.130	7466.499
13. NET GEN (MWH)	39,829	46,129	71,513	62,345	64,469	61,915	66,817	63,407	64,242	48,724	33,623	11,736	634,749
14. ANOHR (Btu/kwh)	12,515	12,244	11,897	11,705	10,582	11,752	11,830	11,831	11,770	11,790	11,704	12,622	11,763
15. NOF (%)	48.7	57.4	76.9	100.3	98.3	100.8	100.7	100.9	98.2	88.8	89.1	46.1	83.7
16. NPC (MW)	169	169	169	159	159	159	159	159	159	169	169	169	164

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GANNON 5	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	74.1	42.3	35.9	74.1	74.1	74.2	74.1	74.1	74.2	74.1	74.2	74.1	68.4
2. POF	0.0	42.9	51.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7
3. EUOF	25.9	14.9	12.5	25.9	25.9	25.8	25.9	25.9	25.8	25.9	25.8	25.9	23.9
4. EUOR	25.9	26.0	25.8	25.9	25.9	25.8	25.9	25.9	25.8	25.9	25.8	25.9	25.9
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	657	340	317	636	657	636	657	657	636	657	636	657	7143
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	87	332	427	83	87	84	87	87	84	88	84	87	1617
9. POH	0	288	384	0	0	0	0	0	0	0	0	0	672
10. FOH & EFOH	141	73	68	136	141	136	141	141	136	141	136	141	1529
11. MOH & EMOH	52	27	25	50	52	50	52	52	50	52	50	52	566
12. OPER BTU (GBTU)	879,866	531,902	572,079	1133,754	1152,096	1102,986	1190,871	1169,969	1167,900	1064,272	999,628	797,899	11763,222
13. NET GEN (MWH)	82,301	50,275	54,317	106,708	107,703	101,551	108,666	106,609	108,074	98,547	94,169	74,063	1,092,983
14. ANOHR (Btu/kwh)	10,691	10,580	10,532	10,625	10,697	10,861	10,959	10,974	10,806	10,800	10,615	10,773	10,762
15. NOF (%)	51.8	61.1	70.8	72.3	70.7	68.8	71.3	69.9	73.3	62.0	61.2	46.6	64.6
16. NPC (MW)	242	242	242	232	232	232	232	232	232	242	242	242	237
17. ANOHR EQUATION	ANOHR = NOF(-8.6611) + 11322												

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GANNON 6	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	73.0	73.1	70.7	7.2	73.0	73.1	73.0	73.0	73.1	73.0	73.1	73.0	67.4
2. POF	0.0	0.0	3.2	90.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7
3. EUOF	27.0	26.9	26.1	2.6	27.0	26.9	27.0	27.0	26.9	27.0	26.9	27.0	24.9
4. EUOR	27.0	26.9	26.9	26.8	27.0	26.9	27.0	27.0	26.9	27.0	26.9	27.0	27.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	641	579	621	61	641	620	641	641	620	641	620	641	6970
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	103	93	123	658	103	100	103	103	100	104	100	103	1790
9. POH	0	0	24	648	0	0	0	0	0	0	0	0	672
10. FOH & EFOH	149	134	144	14	149	144	149	149	144	149	144	149	1618
11. MOH & EMOH	52	47	50	5	52	50	52	52	50	52	50	52	566
12. OPER BTU (GBTU)	1491.214	1549.004	1908.089	182.070	1879.853	1785.212	1923.285	1893.462	1900.401	1768.099	1681.785	1353.791	19316.263
13. NET GEN (MWH)	140,926	147,758	182,549	17,310	178,208	167,326	179,824	176,853	179,141	166,012	160,016	126,968	1,822,891
14. ANOHR (Btu/kwh)	10,582	10,483	10,452	10,518	10,549	10,669	10,695	10,706	10,608	10,650	10,510	10,662	10,596
15. NOF (%)	56.1	65.1	74.9	75.9	74.7	72.5	75.4	74.2	77.6	66.1	65.8	50.5	68.5
16. NPC (MW)	392	392	392	372	372	372	372	372	372	392	392	392	382
17. ANOHR EQUATION	ANOHR = NOF(5.8759) + 10194												

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HOOKERS POINT 1	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	89.1	15.9	0.0	89.0	89.1	89.0	89.1	89.1	89.0	40.3	0.0	48.8	61.0
2. POF	0.0	82.1	100.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8	100.0	45.2	31.5
3. EUOF	10.9	1.9	0.0	11.0	10.9	11.0	10.9	10.9	11.0	5.0	0.0	6.0	7.5
4. EUOR	10.9	10.8	0.0	11.0	10.9	11.0	10.9	10.9	11.0	11.0	0.0	11.0	11.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	0	0	0	24	10	117	185	116	32	3	0	0	486
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	744	672	744	695	734	603	559	628	688	742	720	744	8274
9. POH	0	552	744	0	0	0	0	0	0	408	720	336	2760
10. FOH & EFOH	7	1	0	7	7	7	7	7	7	3	0	4	60
11. MOH & EMOH	74	12	0	72	74	72	74	74	72	34	0	41	600
12. OPER BTU (GBTU)	0.000	0.000	0.000	11.468	4.380	51.921	84.112	52.418	13.999	1.254	0.000	0.000	219.552
13. NET GEN (MWH)	0	0	0	696	273	3,232	5,171	3,221	870	75	0	0	13,538
14. ANOHR (Btu/kwh)	0	0	0	16,477	16,044	16,065	16,266	16,274	16,091	16,720	0	0	16,217
15. NOF (%)	0.0	0.0	0.0	97.7	90.6	92.5	93.0	92.5	91.6	92.3	0.0	0.0	89.9
16. NPC (MW)	32	32	32	30	30	30	30	30	30	32	32	32	31

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HOOKERS POINT 2	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	96.1	17.1	0.0	96.0	96.1	96.0	96.1	96.1	96.0	43.5	0.0	52.7	65.8
2. POF	0.0	82.1	100.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8	100.0	45.2	31.5
3. EUOF	3.9	0.7	0.0	4.0	3.9	4.0	3.9	3.9	4.0	1.7	0.0	2.2	2.7
4. EUOR	3.9	4.2	0.0	4.0	3.9	4.0	3.9	3.9	4.0	3.9	0.0	3.9	4.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	0	0	0	24	9	113	181	109	28	3	0	0	468
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	744	672	744	695	735	607	563	635	692	742	720	744	8292
9. POH	0	552	744	0	0	0	0	0	0	408	720	336	2760
10. FOH & EFOH	7	1	0	7	7	7	7	7	7	3	0	4	60
11. MOH & EMOH	22	4	0	22	22	22	22	22	22	10	0	12	180
12. OPER BTU (GBTU)	0.000	0.000	0.000	11.498	3.705	49.956	80.919	48.520	12.402	1.240	0.000	0.000	208.240
13. NET GEN (MWH)	0	0	0	703	231	3,099	4,987	2,990	769	75	0	0	12,854
14. ANOHR (Btu/kwh)	0	0	0	16,356	16,039	16,120	16,226	16,227	16,127	16,533	0	0	16,200
15. NOF (%)	0.0	0.0	0.0	96.6	89.2	91.2	91.7	91.2	90.4	91.2	0.0	0.0	88.7
16. NPC (MW)	32	32	32	30	30	30	30	30	30	32	32	32	31

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HOOKERS POINT 3	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	94.1	16.8	0.0	94.0	94.1	94.0	94.1	94.1	94.0	42.6	0.0	51.6	64.4
2. POF	0.0	82.1	100.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8	100.0	45.2	31.5
3. EUOF	5.9	1.0	0.0	6.0	5.9	6.0	5.9	5.9	6.0	2.7	0.0	3.2	4.1
4. EUOR	5.9	5.8	0.0	6.0	5.9	6.0	5.9	5.9	6.0	5.9	0.0	5.9	6.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	0	0	0	26	13	117	180	108	32	3	0	0	480
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	744	672	744	693	731	603	564	636	688	742	720	744	8280
9. POH	0	552	744	0	0	0	0	0	0	408	720	336	2760
10. FOH & EFOH	7	1	0	7	7	7	7	7	7	3	0	4	60
11. MOH & EMOH	37	6	0	36	37	36	37	37	36	17	0	20	300
12. OPER BTU (GBTU)	0.000	0.000	0.000	11.766	5.567	50.363	80.092	47.630	13.816	1.231	0.000	0.000	210.465
13. NET GEN (MWH)	0	0	0	735	353	3,168	4,892	2,908	868	76	0	0	13,000
14. ANOHR (Btu/kwh)	0	0	0	16,008	15,771	15,897	16,372	16,379	15,917	16,197	0	0	16,190
15. NOF (%)	0.0	0.0	0.0	95.5	88.5	90.0	90.3	89.9	89.2	90.0	0.0	0.0	87.4
16. NPC (MW)	32	32	32	30	30	30	30	30	30	32	32	32	31

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HOOKERS POINT 4	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	84.0	15.0	0.0	84.0	84.0	84.0	84.0	84.0	84.0	38.0	0.0	46.1	57.5
2. POF	0.0	82.1	100.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8	100.0	45.2	31.5
3. EUOF	16.0	2.8	0.0	16.0	16.0	16.0	16.0	16.0	16.0	7.2	0.0	8.7	11.0
4. EUOR	16.0	15.8	0.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	0.0	15.9	16.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	0	0	0	26	11	117	185	115	31	3	0	0	487
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	744	672	744	693	733	603	559	629	689	742	720	744	8273
9. POH	0	552	744	0	0	0	0	0	0	408	720	336	2760
10. FOH & EFOH	7	1	0	7	7	7	7	7	7	3	0	4	60
11. MOH & EMOH	112	18	0	108	112	108	112	112	108	51	0	61	900
12. OPER BTU (GBTU)	0.000	0.000	0.000	15.064	5.729	64.989	105.529	65.107	17.148	1.615	0.000	0.000	275.181
13. NET GEN (MWH)	0	0	0	951	361	4,045	6,483	4,000	1,067	101	0	0	17,008
14. ANOHR (Btu/kwh)	0	0	0	15,840	15,870	16,067	16,278	16,277	16,071	15,990	0	0	16,180
15. NOF (%)	0.0	0.0	0.0	93.4	86.8	89.0	89.8	89.2	88.2	89.9	0.0	0.0	87.3
16. NPC (MW)	41	41	41	39	39	39	39	39	39	41	41	41	40

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HOOKERS POINT 5	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	79.0	14.1	0.0	79.0	79.0	79.0	79.0	79.0	79.0	35.7	0.0	43.3	54.1
2. POF	0.0	82.1	100.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8	100.0	45.2	31.5
3. EUOF	21.0	3.7	0.0	21.0	21.0	21.0	21.0	21.0	21.0	9.5	0.0	11.6	14.4
4. EUOR	21.0	20.8	0.0	21.0	21.0	21.0	21.0	21.0	21.0	21.1	0.0	21.1	21.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	0	0	0	26	10	117	185	114	30	3	0	0	485
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	744	672	744	693	734	603	559	630	690	742	720	744	8275
9. POH	0	552	744	0	0	0	0	0	0	408	720	336	2760
10. FOH & EFOH	104	17	0	101	104	101	104	104	101	47	0	57	840
11. MOH & EMOH	52	8	0	50	52	50	52	52	50	24	0	29	420
12. OPER BTU (GBTU)	0.000	0.000	0.000	25.278	9.284	117.169	189.596	115.238	29.945	2.757	0.000	0.000	489.267
13. NET GEN (MWH)	0	0	0	1,585	577	7,279	11,695	7,104	1,857	172	0	0	30,269
14. ANOHR (Btu/kwh)	0	0	0	15,948	16,090	16,097	16,212	16,222	16,125	16,029	0	0	16,164
15. NOF (%)	0.0	0.0	0.0	92.2	88.7	92.8	94.2	93.0	91.2	121.6	0.0	0.0	104.9
16. NPC (MW)	52	52	52	67	67	67	67	67	67	52	52	52	60

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
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PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
PHILLIPS 1	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	91.0	45.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	87.5
2. POF	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
3. EUOF	9.0	4.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.7
4. EUOR	9.0	8.9	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	15	5	7	75	138	171	231	153	88	30	15	8	938
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	729	667	737	644	606	549	513	591	632	715	705	736	7822
9. POH	0	336	0	0	0	0	0	0	0	0	0	0	336
10. FOH & EFOH	30	13	30	29	30	29	30	30	29	30	29	30	337
11. MOH & EMOH	37	17	37	36	37	36	37	37	36	37	36	37	421
12. OPER BTU (GBTU)	2.330	0.890	1.071	11.835	21.309	26.650	36.213	23.947	13.325	4.670	2.354	1.210	145.802
13. NET GEN (MWH)	246	86	119	1,245	2,253	2,806	3,812	2,523	1,411	494	250	128	15,373
14. ANOHR (Btu/kwh)	9,470	10,349	8,996	9,506	9,458	9,498	9,500	9,491	9,444	9,453	9,416	9,449	9,484
15. NOF (%)	93.7	94.0	95.0	97.4	96.2	96.8	97.1	96.8	94.3	95.8	96.4	95.4	96.4
16. NPC (MW)	17	17	17	17	17	17	17	17	17	17	17	17	17

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TAMPA ELECTRIC COMPANY
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PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
PHILLIPS 2	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	91.0	52.1	85.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	87.5
2. POF	0.0	42.9	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
3. EUOF	9.0	5.1	8.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.7
4. EUOR	9.0	8.9	9.1	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	15	6	7	76	137	171	232	154	88	30	15	8	940
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	729	666	737	643	607	549	512	590	632	715	705	736	7820
9. POH	0	288	48	0	0	0	0	0	0	0	0	0	336
10. FOH & EFOH	30	15	28	29	30	29	30	30	29	30	29	30	337
11. MOH & EMOH	37	19	35	36	37	36	37	37	36	37	36	37	421
12. OPER BTU (GBTU)	2.330	0.890	1.071	11.835	21.309	26.650	36.213	23.947	13.325	4.670	2.354	1.210	145.802
13. NET GEN (MWH)	246	102	107	1,253	2,246	2,821	3,834	2,533	1,404	492	247	127	15,412
14. ANOHR (Btu/kwh)	9,470	8,725	10,005	9,445	9,488	9,447	9,445	9,454	9,491	9,492	9,530	9,524	9,460
15. NOF (%)	93.7	93.9	95.4	97.5	96.2	96.8	97.1	96.7	94.3	95.9	96.3	95.0	96.4
16. NPC (MW)	17	17	17	17	17	17	17	17	17	17	17	17	17

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BIG BEND CT1	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	64.9	65.0	62.9	36.9	64.9	65.0	64.9	64.9	65.0	65.0	65.0	64.9	62.5
2. POF	0.0	0.0	3.2	43.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
3. EUOF	35.1	35.0	33.9	19.7	35.1	35.0	35.1	35.1	35.0	35.0	35.0	35.1	33.7
4. EUOR	35.1	35.0	35.0	34.9	35.1	35.0	35.1	35.1	35.0	35.0	35.0	35.1	35.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	4	1	0	2	2	30	87	28	3	0	0	0	158
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	740	671	744	717	742	690	657	716	717	745	720	744	8602
9. POH	0	0	24	312	0	0	0	0	0	0	0	0	336
10. FOH & EFOH	149	134	144	81	149	144	149	149	144	149	144	149	1685
11. MOH & EMOH	112	101	108	61	112	108	112	112	108	112	108	112	1264
12. OPER BTU (GBTU)	1.053	0.215	0.008	0.415	0.562	6.961	20.020	6.324	0.704	0.136	0.059	0.062	36.519
13. NET GEN (MWH)	61	12	0	21	29	361	1,039	328	36	8	3	4	1,902
14. ANOHR (Btu/kwh)	17,262	17,917	0	19,762	19,379	19,283	19,269	19,280	19,556	17,000	19,667	15,500	19,200
15. NOF (%)	98.3	92.9	0.0	96.7	97.4	98.9	99.1	99.0	96.5	98.0	84.0	107.0	82.9
16. NPC (MW)	17	17	17	12	12	12	12	12	12	17	17	17	15

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TAMPA ELECTRIC COMPANY
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BIG BEND CT2	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	69.1	69.0	37.9	69.1	69.1	68.9	69.1	69.1	68.9	69.1	68.9	69.1	66.3
2. POF	0.0	0.0	45.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
3. EUOF	30.9	31.0	16.9	30.9	30.9	31.1	30.9	30.9	31.1	30.9	31.1	30.9	29.8
4. EUOR	30.9	31.0	30.9	30.9	30.9	31.1	30.9	30.9	31.1	30.9	31.1	30.9	31.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	5	2	0	4	4	34	97	31	4	1	0	0	183
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	739	670	744	715	740	686	647	713	716	744	720	744	8577
9. POH	0	0	336	0	0	0	0	0	0	0	0	0	336
10. FOH & EFOH	115	104	63	111	115	112	115	115	112	115	112	115	1306
11. MOH & EMOH	115	104	63	111	115	112	115	115	112	115	112	115	1306
12. OPER BTU (GBTU)	5.280	1.771	0.170	4.069	3.123	31.914	90.387	28.993	3.924	0.786	0.411	0.412	171.240
13. NET GEN (MWH)	341	113	11	250	191	1,977	5,605	1,796	239	50	26	26	10,625
14. ANOHR (Btu/kwh)	15,484	15,673	15,455	16,276	16,351	16,143	16,126	16,143	16,418	15,720	15,808	15,846	16,117
15. NOF (%)	91.9	86.1	85.9	84.6	81.7	87.2	87.9	87.2	81.6	82.2	81.3	81.3	79.7
16. NPC (MW)	80	80	80	66	66	66	66	66	66	80	80	80	73

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BIG BEND CT3	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	69.1	69.0	69.1	69.1	69.1	68.9	69.1	69.1	68.9	38.0	68.9	69.1	66.3
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.1	0.0	0.0	3.8
3. EUOF	30.9	31.0	30.9	30.9	30.9	31.1	30.9	30.9	31.1	16.9	31.1	30.9	29.8
4. EUOR	30.9	31.0	30.9	30.9	30.9	31.1	30.9	30.9	31.1	30.8	31.1	30.9	31.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	4	1	0	4	3	33	93	30	4	0	0	0	173
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	740	671	744	715	741	687	651	714	716	745	720	744	8587
9. POH	0	0	0	0	0	0	0	0	0	336	0	0	336
10. FOH & EFOH	115	104	115	111	115	112	115	115	112	63	112	115	1306
11. MOH & EMOH	115	104	115	111	115	112	115	115	112	63	112	115	1306
12. OPER BTU (GBTU)	4.925	1.456	0.211	3.578	2.647	30.482	87.240	27.698	3.312	0.351	0.319	0.306	162.525
13. NET GEN (MWH)	318	93	13	219	161	1,888	5,408	1,715	202	22	20	19	10,078
14. ANOHR (Btu/kwh)	15,487	15,656	16,231	16,338	16,441	16,145	16,132	16,150	16,396	15,955	15,950	16,105	16,127
15. NOF (%)	92.2	85.5	73.9	83.6	81.6	87.2	88.0	87.2	81.8	85.9	80.6	79.2	79.7
16. NPC (MW)	80	80	80	66	66	66	66	66	66	80	80	80	73

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GANNON CT1	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	64.9	65.0	64.9	65.0	64.9	65.0	64.9	64.9	65.0	35.7	65.0	64.9	62.5
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.1	0.0	0.0	3.8
3. EUOF	35.1	35.0	35.1	35.0	35.1	35.0	35.1	35.1	35.0	19.2	35.0	35.1	33.7
4. EUOR	35.1	35.0	35.1	35.0	35.1	35.0	35.1	35.1	35.0	35.0	35.0	35.1	35.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	3	1	0	3	2	29	82	26	3	0	0	0	150
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	741	671	744	716	742	691	662	718	717	745	720	744	8610
9. POH	0	0	0	0	0	0	0	0	0	336	0	0	336
10. FOH & EFOH	149	134	149	144	149	144	149	149	144	82	144	149	1685
11. MOH & EMOH	112	101	112	108	112	108	112	112	108	61	108	112	1264
12. OPER BTU (GBTU)	1.017	0.200	0.007	0.746	0.531	6.742	19.420	6.127	0.666	0.068	0.060	0.057	35.641
13. NET GEN (MWH)	58	11	0	38	27	340	981	309	33	4	3	3	1,807
14. ANOHR (Btu/kwh)	17,534	18,182	0	19,632	19,667	19,829	19,796	19,828	20,182	17,000	20,000	19,000	19,724
15. NOF (%)	99.5	93.8	0.0	99.3	98.7	98.8	99.1	98.8	96.2	102.3	84.0	88.2	82.9
16. NPC (MW)	17	17	17	12	12	12	12	12	12	17	17	17	15

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POLK 1	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	85.1	85.0	44.0	48.1	85.1	85.0	85.1	85.1	85.0	85.0	85.0	85.1	78.5
2. POF	0.0	0.0	48.4	43.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7
3. EUOF	14.9	15.0	7.7	8.5	14.9	15.0	14.9	14.9	15.0	15.0	15.0	14.9	13.8
4. EUOR	14.9	15.0	14.8	15.0	14.9	15.0	14.9	14.9	15.0	15.0	15.0	14.9	15.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	634	573	328	347	634	614	634	634	614	634	614	634	6896
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	110	99	416	372	110	106	110	110	106	111	106	110	1864
9. POH	0	0	360	312	0	0	0	0	0	0	0	0	672
10. FOH & EFOH	74	67	38	41	74	72	74	74	72	75	72	74	809
11. MOH & EMOH	37	34	19	20	37	36	37	37	36	37	36	37	404
12. OPER BTU (GBTU)	1516.524	1329.325	768.341	854.097	1508.373	1463.510	1512.415	1514.291	1462.543	1508.644	1460.928	1465.830	16364.823
13. NET GEN (MWH)	149,807	130,058	75,438	85,079	148,754	144,443	149,273	149,518	144,318	148,809	144,125	143,283	1,612,905
14. ANOHR (Btu/kwh)	10,123	10,221	10,185	10,039	10,140	10,132	10,132	10,128	10,134	10,138	10,137	10,230	10,146
15. NOF (%)	94.5	90.8	91.9	98.0	93.8	94.1	94.1	94.3	94.0	93.8	93.9	90.4	93.6
16. NPC (MW)	250	250	250	250	250	250	250	250	250	250	250	250	250
17. ANOHR EQUATION	ANOHR = NOF(-49.528) + 14782												

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TAMPA ELECTRIC COMPANY
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POLK 2	JAN 01	FEB 01	MAR 01	APR 01	MAY 01	JUN 01	JUL 01	AUG 01	SEP 01	OCT 01	NOV 01	DEC 01	2001
1. EAF (%)	95.0	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	79.7	88.6	95.0	93.2
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1	6.7	0.0	1.9
3. EUOF	5.0	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.2	4.7	5.0	4.9
4. EUOR	5.0	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.0	5.0
5. PH	744	672	744	719	744	720	744	744	720	745	720	744	8760
6. SH	15	11	7	81	142	184	231	132	41	27	14	7	892
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	729	661	737	638	602	536	513	612	679	718	706	737	7868
9. POH	0	0	0	0	0	0	0	0	0	120	48	0	168
10. FOH & EFOH	30	27	30	29	30	29	30	30	29	25	27	30	344
11. MOH & EMOH	7	7	7	7	7	7	7	7	7	6	7	7	86
12. OPER BTU (GBTU)	24.211	17.478	11.655	127.409	209.125	291.298	364.414	202.177	58.925	40.046	21.839	11.574	1380.151
13. NET GEN (MWH)	2,262	1,631	1,051	11,685	18,782	26,024	32,604	17,955	5,137	3,610	1,984	1,079	123,804
14. ANOHR (Btu/kwh)	10,703	10,716	11,089	10,904	11,134	11,193	11,177	11,260	11,471	11,093	11,008	10,727	11,148
15. NOF (%)	102.0	101.5	98.4	96.5	88.3	94.5	94.1	90.8	83.1	88.6	92.5	97.7	92.6
16. NPC (MW)	150	150	150	150	150	150	150	150	150	150	150	150	150

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EXHIBITS TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCUMENT NO. 2

GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2001 - DECEMBER 2001

SUMMARY OF GPIF TARGETS

EXHIBIT NO. _____
DOCKET NO. 000001-EI
TAMPA ELECTRIC COMPANY
(BSB-2)
DOCUMENT NO. 2
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**TAMPA ELECTRIC COMPANY
SUMMARY OF GPIF TARGETS
JANUARY 2001 - DECEMBER 2001**

Availability				Net Heat Rate
Unit	EAF	POF	EUOF	
Big Bend 1	69.9	13.4	16.7	10,118 ^{1/}
Big Bend 2	77.9	5.8	16.3	9,895 ^{2/}
Big Bend 3	71.8	5.8	22.4	9,932 ^{3/}
Big Bend 4	83.9	3.8	12.3	9,944 ^{4/}
Gannon 5	68.4	7.7	23.9	10,762 ^{5/}
Gannon 6	67.4	7.7	24.9	10,596 ^{6/}
Polk 1	78.5	7.7	13.8	10,146 ^{7/}

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