TAMPA ELECTRIC COMPANY
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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 - Energy Supply Engineering.

Q. What are your current responsibilities?

A. I am responsible for testing and reporting unit

ACK
AFA
APP
CAF
CMU
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EAG
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OTH

performance, and the compilation and reporting of generation statistics.

Q. What is the purpose of your testimony?

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

Q. Have you prepared an exhibit showing the various elements of the derivation of Tampa Electric Company's GPIF formula?

A. Yes, I have prepared, under my direction and supervision, an exhibit entitled "Tampa Electric Company, Generating Performance Incentive Factor" April 1997 - September 1997, consisting of 35 pages filed with the Commission on January 16, 1997. (Have identified as Exhibit GAK-2). The data prepared within this exhibit is consistent with the GPIF Implementation Manual previously approved by this Commission.

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

A. Six of our coal-fired units are included. These are: Gannon Station Units 5 and 6; and Big Bend Station Units 1, 2, 3, and 4.

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

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

Q. Please continue.

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

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

A. Yes I will. The Planned Outage Factor (POF) and the Equivalent Unplanned Outage Factor (EUOF) were subtracted from 100% to determine the target equivalent availability. The factors for each of the 6 units included within the GPIF are shown on page 5 of my exhibit. For example, the projected EUOF for Big Bend Unit Four is 8.5%. The Planned Outage Factor for this same unit during this period is 0%. Therefore, the target equivalent availability for this unit equals:

$$100\% - [(8.5\% + 0\%)] = 91.5\%$$

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

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

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

Equivalent Availability Maximum

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

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

$EAF_{MAX} = 100\% - [0.8\ (8.5\%) + 0.95\ (0\%)] = 93.2\%$

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

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

A. The potential for unit availability degradation is significantly greater than is the potential for unit availability improvement. This concept was discussed extensively and approved in earlier hearings before this Commission. Tampa Electric Company's approach to incorporating this skewed effect into the unit availability tables is to use a potential degradation range equal to

twice the potential improvement. Consequently, minimum equivalent availability is arrived at via the following formula:

Equivalent Availability Minimum

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

Again, continuing with our example of Big Bend Unit Four,

$EAF_{MIN} = 100\% - [1.4\ (8.5\%) + 1.1\ (0\%)] = 88.1\%$

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

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

A. Our planned outages for this period are shown on page 19 of my exhibit. A Critical Path Method (C.P.M.) for each major planned outage which affects GPIF is included in my exhibit. For example, Big Bend Unit 1 is scheduled for an annual maintenance outage March 17 toMay 11, 1997. There are 983 planned outage hours scheduled for the summer 1997 period, and a total of 4391 hours during this 6 month period. Consequently, the Planned Outage Factor for Unit 1

at Big Bend is 983/4391 x 100% or 22.4%. This factor is shown on pages 5 and 15 of my exhibit. Big Bend Units 2, 3 and 4 have planned outage factors of zero, as does Gannon Unit 5. Gannon Unit 6 has a planned outage factor of 3.8%.

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

A. Graphs of both of these factors (adjusted for planned outages) vs. time are prepared. Both monthly data and 12 month moving average data are recorded. For each unit the most current, September 1996, 12 month ending value was used as a basis for the projection. This value was adjusted up or down by analyzing trends and causes for recent forced and maintenance outages. All projected factors are based upon historical unit performance, engineering judgment, time since last planned outage, and equipment performance resulting in a forced or maintenance outage. These target factors are additive and result in a EUOF of 10.0% for Gannon Unit Five. The Equivalent Unplanned Outage Factor (EUOF) for Gannon Unit Five is verified by the data shown on page 13, lines 3, 5, 10 and 11 of my exhibit and calculated using the formula:

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

or

$$EUOF = \frac{(354 + 87)}{4391} \times 100 = 10.0\%$$

Relative to Gannon Unit Five, the EUOF of 10.0% forms the basis of our Equivalent Availability target development as shown on sheets 4 and 5 of my exhibit.

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

Big Bend Unit One

A. The projected EUOF for this unit is 9.8% during this period. This unit will have a planned outage this period and the Planned Outage Factor is 22.4%. This results in a target equivalent availability of 67.8% for the period.

Big Bend Unit Two

The projected EUOF for this unit is 15.1%. This unit will not have a planned outage during this period and the Planned Outage Factor is 0%. Therefore, the target equivalent availability for this unit is 84.9%.

Big Bend Unit Three

The projected EUOF for this unit is 15.7%. This unit will not have a planned outage this period and the Planned Outage Factor is 0%. Therefore, the target equivalent availability for this unit is 84.3%.

Big Bend Unit Four

The projected EUOF for this unit is 8.5%. This unit will not have a planned outage during this period and the Planned Outage Factor is 0%. This results in a target equivalent availability of 91.5% for the period.

Gannon Unit Five

The projected EUOF for this unit is 10.0%. This unit will not have a planned outage during this period and the Planned Outage Factor is 0%. Therefore, the target equivalent availability for this unit is 90.0%.

Gannon Unit Six

The projected EUOF for this unit is 9.9%. This unit will have a planned outage during this period and the Planned Outage Factor is 3.8%. Therefore, the target equivalent availability for this unit is 86.3%.

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

A. Yes I will. Please note on page 5 that the GPIF system weighted Equivalent Availability Factor (EAF) equals 83.0%. This target compares very favorably to previous GPIF periods. It is in fact better than four of the five previous periods, as well as the five period average EAF. These targets represent an outstanding level of performance for our system.

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

A. This adjustment makes these factors more accurate and comparable. Obviously, a unit in a planned outage stage or reserve shutdown stage will not incur a forced or maintenance outage. Since our units are usually base loaded, reserve shutdown is generally not a factor. To demonstrate the effects of a planned outage, note the EUOR and EUOF for Gannon Unit Six on page 15. During the months of April and June through September, EUOF and EUOR are equal. This is due to the fact that no planned outages are scheduled during these months. During the month of May,

EUOR exceeds EUOF. The reason for this difference is the scheduling of a planned outage. The adjusted factors apply to the period hours after planned outage hours have been extracted.

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

A. Yes it does. Rates provide a proper and accurate method of arriving at the unit parameters. These are then converted to factors since they are directly additive. That is, the Forced Outage Factor + Maintenance Outage Factor + Planned Outage Factor + Equivalent Availability = 100%. Since factors are additive, they are easier to work with and to understand.

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

A. The CPM's included in this exhibit are preliminary and include only the major work activities we expect to accomplish during the planned outage. Planned outages are very complex and are anticipated months in advance. The actual CPM's utilized in the execution of the planned outage

are detailed for all major and minor work activities.

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

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

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

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

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

Q. How were these targets determined?

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

Q. The accomplishment of scrubbing the flue gas from Big Bend Unit 3 requires an additional amount of station service power. How do you plan to address the associated effect to net heat rate for GPIF purposes?

A. The change in heat rate for this unit resulting from increased utilization of the Unit 4 scrubber can be quantified, but the operational history is short of GPIF guidelines. The target for Big Bend 3 has, therefore, been developed in the standard fashion using data without scrubber power. In order to assure compatability with this target, scrubber power will be removed prior to calculating Unit 3 heat rate for the subsequent True-Up process. This method has been reviewed and approved by the PSC

Staff to be employed until there is sufficient history to meet target preparation guidelines. Successful implementation of this innovation to maximize the potential of existing plant equipment, represents a major cost savings and a significant benefit for our customers.

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

A. Yes.

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

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

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

A. The net heat rate vs. net output factor curves are the results of a first order curve fit to historical data. The standard

error of the estimate of this data was determined, and a factor was applied to produce a band of potential improvement and degradation. Both the curve fit and the standard error of the estimate were performed by computer program for each unit. These curves are also used in post period adjustments to actual heat rates to account for unanticipated changes in unit dispatch.

Q. Can you summarize your heat rate projection for the summer 1997 period?

A. Yes. The heat rate target for Big Bend Unit 1 is 9,968 Btu/Net kwh. The range about this value, to allow for potential improvement or degradation, is ±286 Btu/Net kwh. The heat rate target for Big Bend Unit 2 is 10,079 Btu/Net kwh with a range of ±263 Btu/Net kwh. The heat rate target for Big Bend Unit 3 is 9,969 Btu/Net kwh, with a range of ±210 Btu/Net kwh. The heat rate target for Big Bend Unit 4 is 9,992 Btu/Net kwh with a range of ±167 Btu/Net kwh. The heat rate target for Gannon Unit 5 is 10,448 Btu/Net kwh with a range of ±405 Btu/Net kwh. The heat rate target for Gannon Unit 6 is 10,471 Btu/Net kwh with a range of ±294 Btu/Net kwh. A zone of tolerance of ± 75 Btu/Net kwh is included within the range for each target. This is shown on page 4, and pages 7 through 12 of my exhibit.

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

A. Yes I do.

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

A. The next step is to calculate the savings and weighting factor to be used for both average net operating heat rate and equivalent availability. This is shown on pages 7 through 12. Our PROMOD III cost simulation model was used to calculate the total system fuel cost if all units operated at target heat rate and target availability for the period. This total system fuel cost of $149,288,000 is shown on page 6 column 2.

The PROMOD III output was then used to calculate total system fuel cost with each unit individually operating at maximum improvement in equivalent availability and each station operating at maximum improvement in average net operating heat rate. The respective savings are shown on page 6 column 4. After all the individual savings are

calculated, column 4 is totaled: $5,650,900 reflects the savings if all units operated at maximum improvement. A weighting factor for each parameter is then calculated by dividing individual savings by the total. For Big Bend Unit Two, the weighting factor for equivalent availability is 10.53% as shown in the right hand column on page 6. Pages 7 thru 12 show the point table, the Fuel Savings/(Loss), and the equivalent availability or heat rate value. The individual weighting factor is also shown. For example, on Big Bend Unit Two, page 10, if the unit operates at 87.9% equivalent availability, fuel savings would equal $595,000 and 10 equivalent availability points would be awarded.

The Generating Performance Incentive Factor Reward/Penalty Table on page 2 is a summary of the tables on pages 7 through 12. The left hand column of this document shows the Tampa Electric Company's incentive points. The center column shows the total fuel savings and is the same amount as shown on page 6, column 4, $5,650,900. The right hand column of page 2 is the estimated reward or penalty based upon performance.

Q. How were the maximum allowed incentive dollars determined?

A. Referring to my exhibit on page 3, line 8, the estimated average common equity for the period April 1997 - September 1997 is shown to be $1,178,497,286. This produces the maximum allowed jurisdictional incentive dollars of $2,377,692 shown on line 15.

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

A. Yes. Incentive dollars are not to exceed fifty percent of fuel savings. Page 2 of my exhibit demonstrates that this constraint is met.

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

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

$$GPIP = (0.0439\ EAP_{GN5} + 0.0523\ EAP_{GN6} + 0.0961\ EAP_{BB1} + 0.1053\ EAP_{BB2} + 0.1545\ EAP_{BB3} + 0.0730\ EAP_{BB4} + 0.0772\ HRP_{GN5} + 0.0861\ HRP_{GN6} + 0.0818\ HRP_{BB1} + 0.0936\ HRP_{BB2} + 0.0707\ HRP_{BB3} + 0.0655\ HRP_{BB4})$$

Where:

GPIP = Generating performance incentive points.

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

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

Q. Have you prepared a document summarizing the GPIF targets for the April 1997 - September 1997 period?

A. Yes. The availability and heat rate targets for each unit are listed on attachment "A" to this testimony entitled "Tampa Electric Company GPIF Targets, April 1, 1997 - September 30, 1997".

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

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

Q. Briefly describe this exhibit.

A. This exhibit consists of 23 pages. This data is Tampa Electric Company's estimate of the Unit Performance Data and Unit Outage Data for the April 1997 - September 1997 period.

Q. Does this conclude your testimony?

A. Yes.

ATTACHMENT "A"
January 16, 1997

TAMPA ELECTRIC COMPANY
GPIF TARGETS
April, 1997 - September 30, 1997

Availability				Heat Rate
Unit	EAF	POF	EUOF	
Gannon 5	90.0	0	10.0	10,448[1/]
Gannon 6	86.3	3.8	9.9	10,471[2/]
Big Bend 1	67.8	22.4	9.8	9,968[3/]
Big Bend 2	84.9	0	15.1	10,079[4/]
Big Bend 3	84.3	0	15.7	9,969[5/]
Big Bend 4	91.5	0	8.5	9,992[6/]

[1/] Original Sheet 6.401.97E, Pg. 13

[2/] Original Sheet 6.401.97E, Pg. 14

[3/] Original Sheet 6.401.97E, Pg. 15

[4/] Original Sheet 6.401.97E, Pg. 16

[5/] Original Sheet 6.401.97E, Pg. 17

[6/] Original Sheet 6.401.97E, Pg. 18

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TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
APRIL 1997 - SEPTEMBER 1997
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TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
REWARD / PENALTY TABLE - ESTIMATED
APRIL 1997 - SEPTEMBER 1997

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) ($000)	GENERATING PERFORMANCE INCENTIVE FACTOR ($000)
+10	5,650.9	2,377.7
+9	5,085.8	2,139.9
+8	4,520.7	1,902.2
+7	3,955.6	1,664.4
+6	3,390.5	1,426.6
+5	2,825.5	1,188.8
+4	2,260.4	951.1
+3	1,695.3	713.3
+2	1,130.2	475.5
+1	565.1	237.8
0	0	0.0
-1	(859.5)	(237.8)
-2	(1,719.0)	(475.5)
-3	(2,578.5)	(713.3)
-4	(3,438.0)	(951.1)
-5	(4,297.5)	(1,188.8)
-6	(5,157.0)	(1,426.6)
-7	(6,016.5)	(1,664.4)
-8	(6,876.0)	(1,902.2)
-9	(7,735.5)	(2,139.9)
-10	(8,595.0)	(2,377.7)

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
ESTIMATED
APRIL 1997 - SEPTEMBER 1997

Line 1	Beginning of period balance of common equity End of month common equity:			$1,179,712,000
Line 2	Month of	April	1997	$1,142,545,000
Line 3	Month of	May	1997	$1,153,732,000
Line 4	Month of	June	1997	$1,165,029,000
Line 5	Month of	July	1997	$1,191,120,000
Line 6	Month of	August	1997	$1,202,783,000
Line 7	Month of	September	1997	$1,214,560,000
Line 8	(summation of line 1 through line 7 divided by 7)			$1,178,497,286
Line 9	25 Basis points			0.0025
Line 10	Revenue expansion factor			61.3738%
Line 11	Maximum allowed incentive Dollars (Line 8 times line 9 divided by line 10 times 0.5)			$2,400,245
Line 12	Jurisdictional Sales			8212464 MWH
Line 13	Total Sales			8290361 MWH
Line 14	Jurisdictional Seperation Factor (Line 12 divided by line 13)			99.06%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (Line 11 times line 14)			$2,377,692

TAMPA ELECTRIC COMPANY

GPIF TARGET AND RANGE SUMMARY

APRIL 1997 - SEPTEMBER 1997

EQUIVALENT AVAILABILITY

PLANT/UNIT	WEIGHTING FACTOR (%)	EAF TARGET (%)	EAF RANGE MAX. (%)	EAF RANGE MIN. (%)	MAX. FUEL SAVINGS ($000)	MAX. FUEL LOSS ($000)
GANNON 5	4.39%	90.0	92.0	86.0	248.1	(578.6)
GANNON 6	5.23%	86.3	88.7	82.4	295.5	(550.0)
BIG BEND 1	9.61%	67.8	70.9	61.6	542.9	(1,362.5)
BIG BEND 2	10.53%	84.9	87.9	78.9	595.0	(1,181.4)
BIG BEND 3	15.45%	84.3	87.4	77.9	873.2	(1,462.5)
BIG BEND 4	7.30%	91.5	93.2	88.1	412.6	(776.4)
GPIF SYSTEM	52.51%				2,967.3	(5,911.4)

AVERAGE NET OPERATING HEAT RATE FOR GPIF COAL GENERATING UNITS

PLANT/UNIT	WEIGHTING FACTOR (%)	ANOHR Btu/kwh	TARGET NOF	ANOHR TARGET RANGE MIN.	ANOHR TARGET RANGE MAX.	MAX. FUEL SAVINGS ($000)	MAX. FUEL LOSS ($000)
GANNON 5	7.72%	10448	79.6	10043	10853	436.0	(436.0)
GANNON 6	8.61%	10471	79.7	10177	10765	486.6	(486.6)
BIG BEND 1	8.18%	9968	90.4	9682	10254	462.4	(462.4)
BIG BEND 2	9.36%	10079	88.7	9816	10342	529.0	(529.0)
BIG BEND 3	7.07%	9969	85.7	9759	10179	399.4	(399.4)
BIG BEND 4	6.55%	9992	92.5	9825	10159	370.2	(370.2)
GPIF SYSTEM	47.49%					2,683.6	(2,683.6)

TAMPA ELECTRIC COMPANY

COMPARISON OF OPF TARGETS VS PRIOR PERIOD ACTUAL PERFORMANCE

AVAILABILITY

PLANT/UNIT	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD APR 97 - SEP 97 POF	EUOF	EUOR	ACTUAL PERFORMANCE APR 96 - SEP 96 POF	EUOF	EUOR	ACTUAL PERFORMANCE OCT 95 - MAR 96 POF	EUOF	EUOR	ACTUAL PERFORMANCE APR 95 - SEP 95 POF	EUOF	EUOR	ACTUAL PERFORMANCE OCT 94 - MAR 95 POF	EUOF	EUOR	ACTUAL PERFORMANCE APR 94 - SEP 94 POF	EUOF	EUOR
BIG BEND 1	9.61%	18.3	22.4	9.8	12.6	0.0	15.2	15.2	0.0	12.6	12.6	0.2	11.1	11.1	7.7	7.6	8.2	30.6	19.1	14.8
BIG BEND 2	10.53%	20.1	0.0	15.1	15.1	0.0	12.8	17.8	0.0	14.5	14.5	0.0	11.4	11.4	29.7	11.0	15.6	0.0	20.8	20.8
BIG BEND 3	13.45%	29.4	0.0	15.7	15.7	0.7	15.7	15.8	10.4	13.9	15.5	21.3	15.7	19.9	0.0	12.6	12.6	0.0	9.1	9.1
BIG BEND 4	7.30%	13.9	0.0	8.3	8.3	0.0	7.3	7.3	11.0	4.6	5.2	0.0	7.6	7.6	18.8	10.0	12.3	0.0	7.4	7.4
GANNON 5	4.39%	8.4	0.0	10.0	10.0	4.7	12.2	12.8	31.0	8.6	12.5	0.0	8.5	8.5	4.0	5.6	5.8	2.7	11.9	12.2
GANNON 6	5.23%	10.0	3.8	9.9	10.3	30.1	5.2	7.4	3.9	11.2	11.7	5.0	7.2	7.6	5.6	9.8	10.4	0.0	9.3	9.3
	52.51%	100.1																		
OPF SYSTEM WGT'D AVG.			4.5	12.5	13.0	5.6	12.5	12.8	7.6	11.8	12.7	6.8	11.4	12.7	10.9	10.1	11.6	5.8	11.7	12.6
OPF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY				83.0			83.9			80.6			81.8			79.0			82.5	

5 PERIOD AVERAGE POF	EUOF	EUOR
7.1	11.0	11.9

5 PERIOD AVERAGE EAF
81.9

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT/UNIT	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING FACTOR	HEAT RATE TARGET	ADJUSTED PRIOR HEAT RATE APR96 - SEP 96	ADJUSTED PRIOR HEAT RATE APR95 - SEP 95	ADJUSTED PRIOR HEAT RATE APR94 - SEP 94
GANNON 5	7.72%	16.3	10448	10636	10014	10095
GANNON 6	8.61%	18.1	10471	11025	10372	10436
BIG BEND 1	8.18%	17.2	9968	10104	10109	10007
BIG BEND 2	9.36%	19.7	10079	10144	10032	10158
BIG BEND 3	7.07%	14.9	9969	9883	9692	9758
BIG BEND 4	6.55%	13.8	9912	10107	9975	10074
	47.49%	100.0				
OPF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)			10163	10333	10046	10101

ORGINAL SHEET NO. 6.401.97E
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TAMPA ELECTRIC COMPANY
DERIVATION OF WEIGHTING FACTORS
APRIL 1997 - SEPTEMBER 1997
PRODUCTION COSTING SIMULATION
FUEL COST ($000)

UNIT PERFORMANCE INDICATOR	AT TARGET	IMPROVEMENT	SAVINGS	WEIGHTING FACTOR (% OF SAVINGS)
EQUIVALENT AVAILABILITY				
EA_1 GANNON 5	149288.0	149039.9	248.1	4.39%
EA_2 GANNON 6	149288.0	148992.5	295.5	5.23%
EA_3 BIG BEND 1	149288.0	148745.1	542.9	9.61%
EA_4 BIG BEND 2	149288.0	148693.0	595.0	10.53%
EA_5 BIG BEND 3	149288.0	148414.8	873.2	15.45%
EA_6 BIG BEND 4	149288	148875.4	412.6	7.30%
HEAT RATE				
AHR_1 GANNON 5	149288	148852.0	436.0	7.72%
AHR_2 GANNON 6	149288	148801.4	486.6	8.61%
AHR_3 BIG BEND 1	149288	148825.6	462.4	8.18%
AHR_4 BIG BEND 2	149288	148759.0	529.0	9.36%
AHR_5 BIG BEND 3	149288	148888.6	399.4	7.07%
AHR_5 BIG BEND 4	149288	148917.8	370.2	6.55%
TOTAL SAVINGS			5650.9	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 1997 - SEPTEMBER 1997

GANNON 5

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	248.1	92.0	+10	436.0	10043
+9	223.3	91.8	+9	392.4	10076
+8	198.5	91.6	+8	348.8	10109
+7	173.7	91.4	+7	305.2	10142
+6	148.9	91.2	+6	261.6	10175
+5	124.1	91.0	+5	218.0	10208
+4	99.2	90.8	+4	174.4	10241
+3	74.4	90.6	+3	130.8	10274
+2	49.6	90.4	+2	87.2	10307
+1	24.8	90.2	+1	43.6	10340
				0.0	10373
0	0.0	90.0	0	0.0	10448
				0.0	10523
-1	(57.9)	89.6	-1	(43.6)	10556
-2	(115.7)	89.2	-2	(87.2)	10589
-3	(173.6)	88.8	-3	(130.8)	10622
-4	(231.4)	88.4	-4	(174.4)	10655
-5	(289.3)	88.0	-5	(218.0)	10688
-6	(347.2)	87.6	-6	(261.6)	10721
-7	(405.0)	87.2	-7	(305.2)	10754
-8	(462.9)	86.8	-8	(348.8)	10787
-9	(520.7)	86.4	-9	(392.4)	10820
-10	(578.6)	86.0	-10	(436.0)	10853
	Weighting Factor =	4.39%		Weighting Factor =	7.72%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

APRIL 1997 - SEPTEMBER 1997

GANNON 6

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	295.5	88.7	+10	486.6	10177
+9	266.0	88.5	+9	437.9	10199
+8	236.4	88.2	+8	389.3	10221
+7	206.9	88.0	+7	340.6	10243
+6	177.3	87.7	+6	292.0	10265
+5	147.8	87.5	+5	243.3	10287
+4	118.2	87.3	+4	194.6	10308
+3	88.7	87.0	+3	146.0	10330
+2	59.1	86.8	+2	97.3	10352
+1	29.6	86.5	+1	48.7	10374
				0.0	10396
0	0.0	86.3	0	0.0	10471
				0.0	10546
-1	55.0	85.9	-1	(48.7)	10568
-2	110.0	85.5	-2	(97.3)	10590
-3	165.0	85.1	-3	(146.0)	10612
-4	220.0	84.7	-4	(194.6)	10634
-5	275.0	84.4	-5	(243.3)	10656
-6	330.0	84.0	-6	(292.0)	10677
-7	385.0	83.6	-7	(340.6)	10699
-8	440.0	83.2	-8	(389.3)	10721
-9	495.0	82.8	-9	(437.9)	10743
-10	550.0	82.4	-10	(486.6)	10765
	Weighting Factor =	5.23%		Weighting Factor =	8.61%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

APRIL 1997 - SEPTEMBER 1997

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	542.9	70.9	+10	462.4	9682
+9	488.6	70.6	+9	416.2	9703
+8	434.3	70.3	+8	369.9	9724
+7	380.0	70.0	+7	323.7	9745
+6	325.7	69.7	+6	277.4	9766
+5	271.5	69.4	+5	231.2	9788
+4	217.2	69.0	+4	185.0	9809
+3	162.9	68.7	+3	138.7	9830
+2	108.6	68.4	+2	92.5	9851
+1	54.3	68.1	+1	46.2	9872
				0.0	9893
0	0.0	67.8	0	0.0	9968
				0.0	10043
-1	136.3	67.2	-1	(46.2)	10064
-2	272.5	66.6	-2	(92.5)	10085
-3	408.8	65.9	-3	(138.7)	10106
-4	545.0	65.3	-4	(185.0)	10127
-5	681.3	64.7	-5	(231.2)	10149
-6	817.5	64.1	-6	(277.4)	10170
-7	953.8	63.5	-7	(323.7)	10191
-8	1,090.0	62.8	-8	(369.9)	10212
-9	1,226.3	62.2	-9	(416.2)	10233
-10	1,362.5	61.6	-10	(462.4)	10254
	Weighting Factor =	9.61%		Weighting Factor =	8.18%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

APRIL 1997 - SEPTEMBER 1997

BIG BEND 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	595.0	87.9	+10	529.0	9816
+9	535.5	87.6	+9	476.1	9835
+8	476.0	87.3	+8	423.2	9854
+7	416.5	87.0	+7	370.3	9872
+6	357.0	86.7	+6	317.4	9891
+5	297.5	86.4	+5	264.5	9910
+4	238.0	86.1	+4	211.6	9929
+3	178.5	85.8	+3	158.7	9948
+2	119.0	85.5	+2	105.8	9966
+1	59.5	85.2	+1	52.9	9985
				0.0	10004
0	0.0	84.9	0	0.0	10079
				0.0	10154
-1	(118.1)	84.3	-1	(52.9)	10173
-2	(236.3)	83.7	-2	(105.8)	10192
-3	(354.4)	83.1	-3	(158.7)	10210
-4	(472.6)	82.5	-4	(211.6)	10229
-5	(590.7)	81.9	-5	(264.5)	10248
-6	(708.8)	81.3	-6	(317.4)	10267
-7	(827.0)	80.7	-7	(370.3)	10286
-8	(945.1)	80.1	-8	(423.2)	10304
-9	(1,063.3)	79.5	-9	(476.1)	10323
-10	(1,181.4)	78.9	-10	(529.0)	10342
	Weighting Factor =	10.53%		Weighting Factor =	9.36%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

APRIL 1997 - SEPTEMBER 1997

BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	873.2	87.4	+10	399.4	9759
+9	785.9	87.1	+9	359.5	9773
+8	698.6	86.8	+8	319.5	9786
+7	611.2	86.5	+7	279.6	9800
+6	523.9	86.2	+6	239.6	9813
+5	436.6	85.9	+5	199.7	9827
+4	349.3	85.5	+4	159.8	9840
+3	262.0	85.2	+3	119.8	9854
+2	174.6	84.9	+2	79.9	9867
+1	87.3	84.6	+1	39.9	9881
				0.0	9894
0	0.0	84.3	0	0.0	9969
				0.0	10044
-1	146.3	83.7	-1	(39.9)	10058
-2	292.5	83.0	-2	(79.9)	10071
-3	438.8	82.4	-3	(119.8)	10085
-4	585.0	81.7	-4	(159.8)	10098
-5	731.3	81.1	-5	(199.7)	10112
-6	877.5	80.5	-6	(239.6)	10125
-7	1,023.8	79.8	-7	(279.6)	10139
-8	1,170.0	79.2	-8	(319.5)	10152
-9	1,316.3	78.5	-9	(359.5)	10166
-10	1,462.5	77.9	-10	(399.4)	10179
	Weighting Factor =	15.45%		Weighting Factor =	7.07%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

APRIL 1997 - SEPTEMBER 1997

BIG BEND 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	412.6	93.2	+10	370.2	9825
+9	371.3	93.0	+9	333.2	9834
+8	330.1	92.9	+8	296.2	9843
+7	288.8	92.7	+7	259.1	9853
+6	247.6	92.5	+6	222.1	9862
+5	206.3	92.4	+5	185.1	9871
+4	165.0	92.2	+4	148.1	9880
+3	123.8	92.0	+3	111.1	9889
+2	82.5	91.8	+2	74.0	9899
+1	41.3	91.7	+1	37.0	9908
				0.0	9917
0	0.0	91.5	0	0.0	9992
				0.0	10067
-1	77.6	91.2	-1	(37.0)	10076
-2	155.3	90.8	-2	(74.0)	10085
-3	232.9	90.5	-3	(111.1)	10095
-4	310.6	90.1	-4	(148.1)	10104
-5	388.2	89.8	-5	(185.1)	10113
-6	465.8	89.5	-6	(222.1)	10122
-7	543.5	89.1	-7	(259.1)	10131
-8	621.1	88.8	-8	(296.2)	10141
-9	698.8	88.4	-9	(333.2)	10150
-10	776.4	88.1	-10	(370.2)	10159
	Weighting Factor =	7.30%		Weighting Factor =	6.55%

TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1997 - SEPTEMBER 1997

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
GANNON 5	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	90.0	89.9	90.0	89.9	89.9	90.0	90.0
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	10.0	10.1	10.0	10.1	10.1	10.0	10.0
4. EUOR	10.0	10.1	10.0	10.1	10.1	10.0	10.0
5. PH	719	744	720	744	744	720	4391
6. SH	693	716	693	716	716	693	4227
7. RSH	0	0	0	0	0	0	0
8. UH	26	28	27	28	28	27	164
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	58	60	58	60	60	58	354
11. MOH & EMOH	14	15	14	15	15	14	87
12. OPER BTU (GBTU)	1264.268	1283.557	1278.450	1353.087	1348.510	1279.819	7807.691
13. NET GEN (MWH)	123114	124025	122178	128020	127568	122391	747296
14. ANOHR (BTU/KWH)	10269	10349	10464	10569	10571	10457	10448
15. NOF (%)	80.0	78.0	79.4	80.5	80.3	79.6	79.6
16. NSC (MW)	222	222	222	222	222	222	222
17. ANOHR EQUATION	ANOHR = NOF(-9.9884) + 11243.0						

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1997 - SEPTEMBER 1997

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
GANNON 6	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	89.7	69.4	89.7	89.7	89.7	89.7	86.3
2. POF	0.0	22.6	0.0	0.0	0.0	0.0	3.8
3. EUOF	10.3	8.0	10.3	10.3	10.3	10.3	9.9
4. EUOR	10.3	10.3	10.3	10.3	10.3	10.3	10.3
5. PH	719	744	720	744	744	720	4391
6. SH	679	543	679	702	702	679	3984
7. RSH	0	0	0	0	0	0	0
8. UH	40	201	41	42	42	41	407
9. POH	0	168	0	0	0	0	168
10. FOH & EFOH	39	31	39	40	40	39	228
11. MOH & EMOH	35	28	35	37	37	35	207
12. OPER BTU (GBTU)	2131.190	1602.702	2036.106	2132.180	2117.221	2009.227	12028.716
13. NET GEN (MWH)	205105	153706	194667	202494	200944	191869	1148785
14. ANOHR (BTU/KWH)	0	10427	10460	10530	10536	10472	10471
15. NOF (%)	0.0	78.2	79.2	79.7	79.1	78.1	79.7
16. NSC (MW)	362	362	362	362	362	362	362
17. ANOHR EQUATION	ANOHR = NOF(3.0441) + 10228.2						

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ESTIMATED UNIT PERFORMANCE DATA

APRIL 1997 - SEPTEMBER 1997

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 1	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	0.0	56.5	87.4	87.4	87.4	87.4	67.8
2. POF	100.0	35.5	0.0	0.0	0.0	0.0	22.4
3. EUOF	0.0	8.1	12.6	12.6	12.6	12.6	9.8
4. EUOR	0.0	12.5	12.6	12.6	12.6	12.6	12.6
5. PH	719	744	720	744	744	720	4391
6. SH	0	446	669	691	691	669	3166
7. RSH	0	0	0	0	0	0	0
8. UH	719	298	51	53	53	51	1225
9. POH	719	264	0	0	0	0	983
10. FOH & EFOH	0	41	62	64	64	62	293
11. MOH & EMOH	0	19	29	30	30	29	137
12. OPER BTU (GBTU)	0.000	1640.225	2465.285	2570.959	2573.132	2471.695	11721.296
13. NET GEN (MWH)	0	165418	248153	256655	256891	248805	1175922
14. ANOHR (BTU/KWH)	0	9916	9935	10017	10016	9934	9968
15. NOF (%)	0.0	90.2	90.3	90.4	90.5	90.5	90.4
16. NSC (MW)	411	411	411	411	411	411	411

17. ANOHR EQUATION ANOHR = NOF(-33.9219) + 13034.3

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1997 - SEPTEMBER 1997

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 2	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	85.0	84.9	84.9	84.9	84.9	84.9	84.9
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	15.0	15.1	15.1	15.1	15.1	15.1	15.1
4. EUOR	15.0	15.1	15.1	15.1	15.1	15.1	15.1
5. PH	719	744	720	744	744	720	4391
6. SH	660	682	660	682	682	660	4026
7. RSH	0	0	0	0	0	0	0
8. UH	59	62	60	62	62	60	365
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	75	78	76	78	78	76	461
11. MOH & EMOH	33	34	33	34	34	33	201
12. OPER BTU (GBTU)	2449.538	2453.717	2420.057	2522.436	2522.516	2430.823	14799.087
13. NET GEN (MWH)	244242	244002	240338	249172	249124	241451	1468329
14. ANOHR (BTU/KWH)	10029	10056	10069	10123	10126	10068	10079
15. NOF (%)	90.0	87.0	88.6	88.9	88.9	89.0	88.7
16. NSC (MW)	411	411	411	411	411	411	411
17. ANOHR EQUATION	ANOHR = NOF(-31.6047) + 12882.2						

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1997 - SEPTEMBER 1997

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 3 GPIF	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	84.3	84.3	84.3	84.3	84.3	84.3	84.3
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	15.7	15.7	15.7	15.7	15.7	15.7	15.7
4. EUOR	15.7	15.7	15.7	15.7	15.7	15.7	15.7
5. PH	719	744	720	744	744	720	4391
6. SH	684	707	684	707	707	684	4173
7. RSH	0	0	0	0	0	0	0
8. UH	35	37	36	37	37	36	218
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	81	84	81	84	84	81	495
11. MOH & EMOH	32	33	32	33	33	32	195
12. OPER BTU (GBTU)	2504.131	2490.203	2450.758	2552.824	2568.024	2447.808	15013.748
13. NET GEN (MWH)	249595	248358	245841	257075	258996	246130	1505996
14. ANOHR (BTU/KWH)	10033	10027	9969	9930	9915	9945	9969
15. NOF (%)	86.7	83.4	85.4	86.4	87.0	85.5	85.7
16. NSC (MW)	421	421	421	421	421	421	421
17. ANOHR EQUATION	ANOHR = NOF(-16.9753) + 11424.1						

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1997 - SEPTEMBER 1997

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 4	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	91.5	91.5	91.5	91.5	91.5	91.5	91.5
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	8.5	8.5	8.5	8.5	8.5	8.5	8.5
4. EUOR	8.5	8.5	8.5	8.5	8.5	8.5	8.5
5. PH	719	744	720	744	744	720	4391
6. SH	683	705	683	705	705	683	4164
7. RSH	0	0	0	0	0	0	0
8. UH	36	39	37	39	39	37	227
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	31	32	31	32	32	31	189
11. MOH & EMOH	30	31	30	31	31	30	183
12. OPER BTU (GBTU)	2795.580	2845.217	2724.419	2846.685	2842.292	2760.848	16815.041
13. NET GEN (MWH)	282647	287066	271972	282896	282419	275873	1682873
14. ANOHR (BTU/KWH)	9891	9911	10017	10063	10064	10008	9992
15. NOF (%)	94.7	93.2	91.1	91.8	91.7	92.4	92.5
16. NSC (MW)	437	437	437	437	437	437	437
17. ANOHR EQUATION	ANOHR = NOF(-34.1420) + 13150.0						

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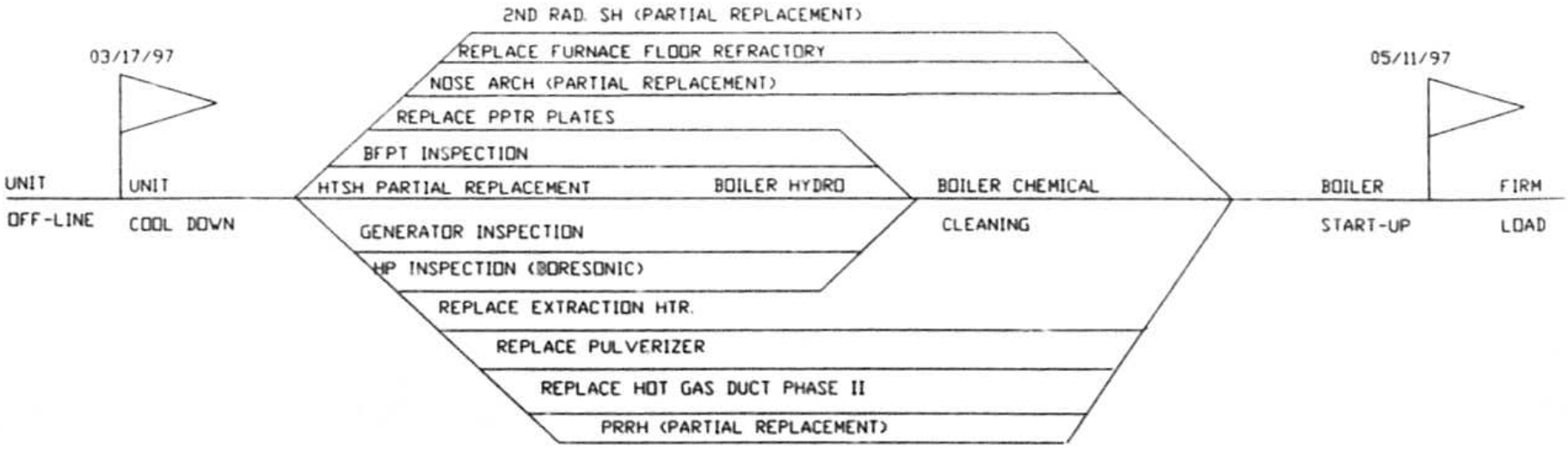
TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ESTIMATED)
GPIF UNITS
APRIL 1997 - SEPTEMBER 1997

	PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DISCRIPTION
*	BIG BEND 1	MAR 17 - MAY 11	HTSH (PARTIAL REPL.) PRRH (PARTIAL REPL.) 2ND RAD. SH (PARTIAL REPL.) REPL. HOT GAS DUCT PHASE II REPL. PPTR PLATES NOSE ARCH (PARTIAL REPL.) REPL. FURNACE FLOOR REF. HP INSP. (BORESONIC) GENERATOR INSP. BFPT INSPECTION
+	GANNON 6	MAY 12 - MAY 18	FUEL SYSTEM CLEAN-UP

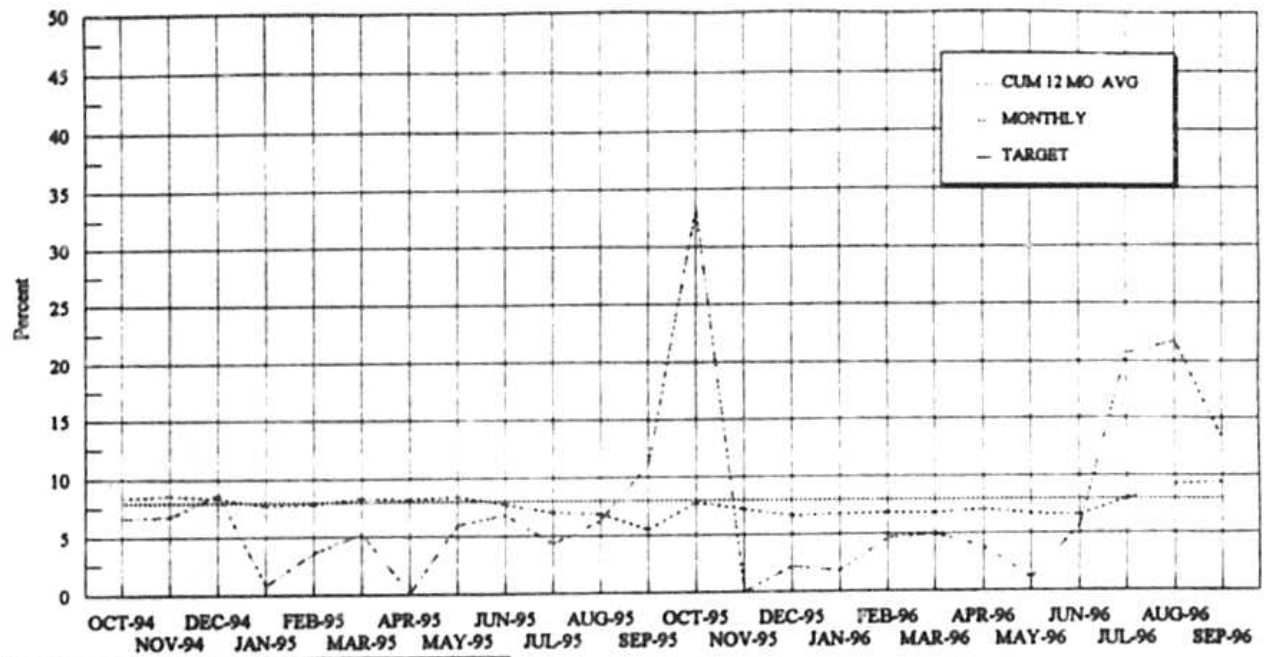
* **OUTAGE START / END DATE OUT OF GPIF PERIOD**
\+ **CPM WAS NOT INCLUDED FOR THIS UNIT, OUTAGE IS LESS THAN 2 WEEKS**



TAMPA ELECTRIC COMPANY
BIG BEND UNIT NO. 1
PLANNED OUTAGE 1997
PROJECTED CPM
01/01/97

Tampa Electric Company

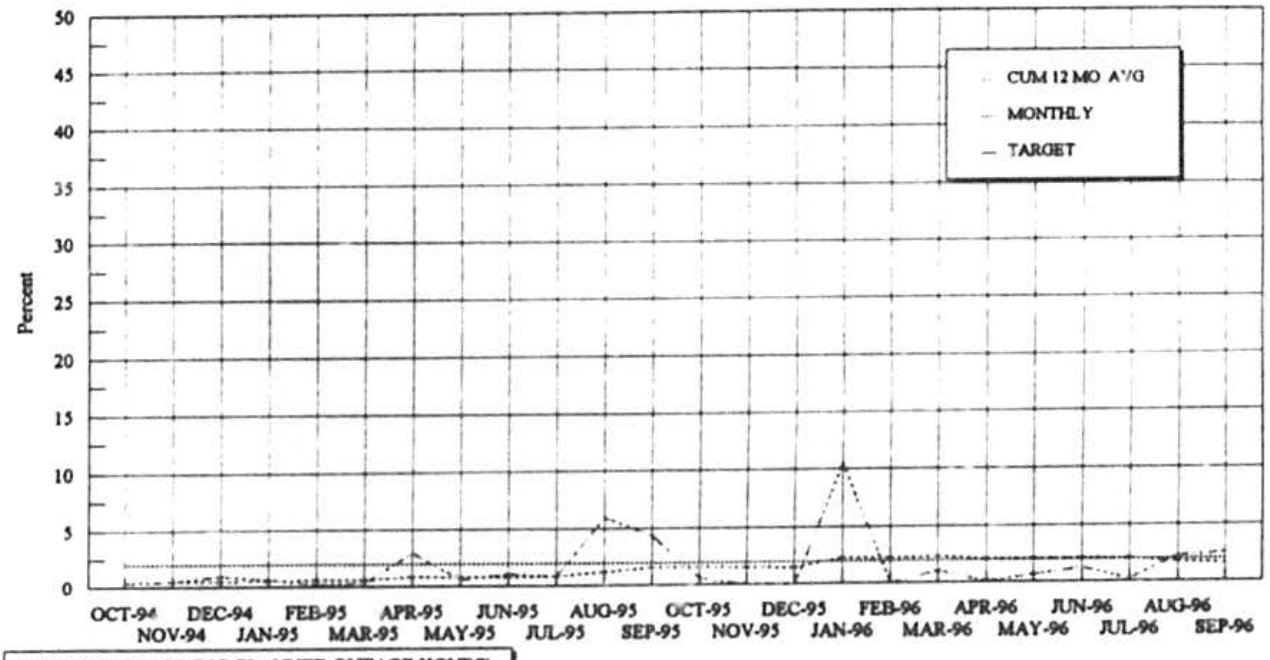
GANNON UNIT #5 EFOF



EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

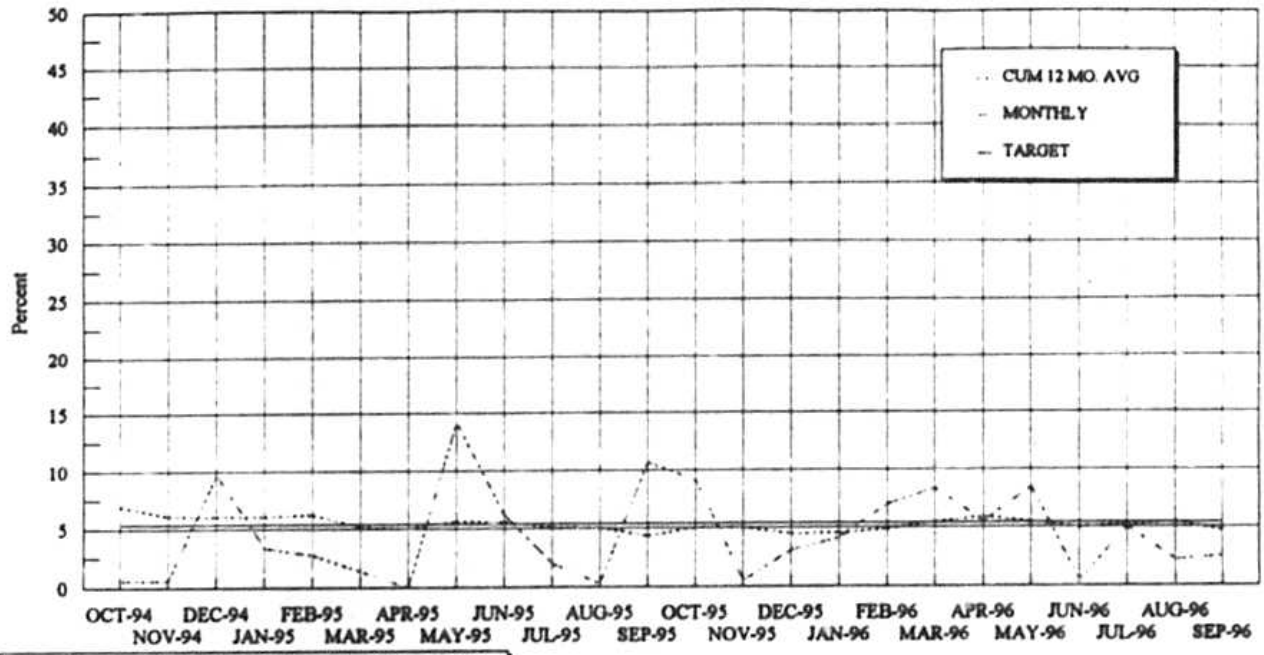
GANNON UNIT #5 EMOF



EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

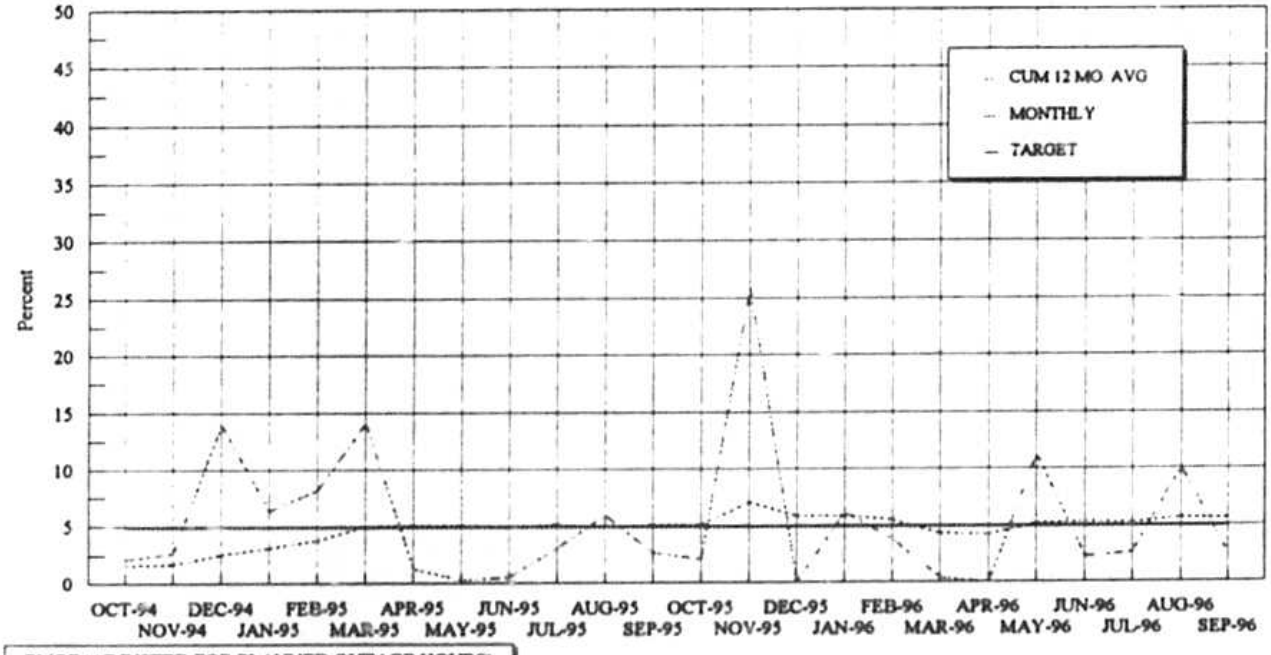
GANNON UNIT #6 EFOF



EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

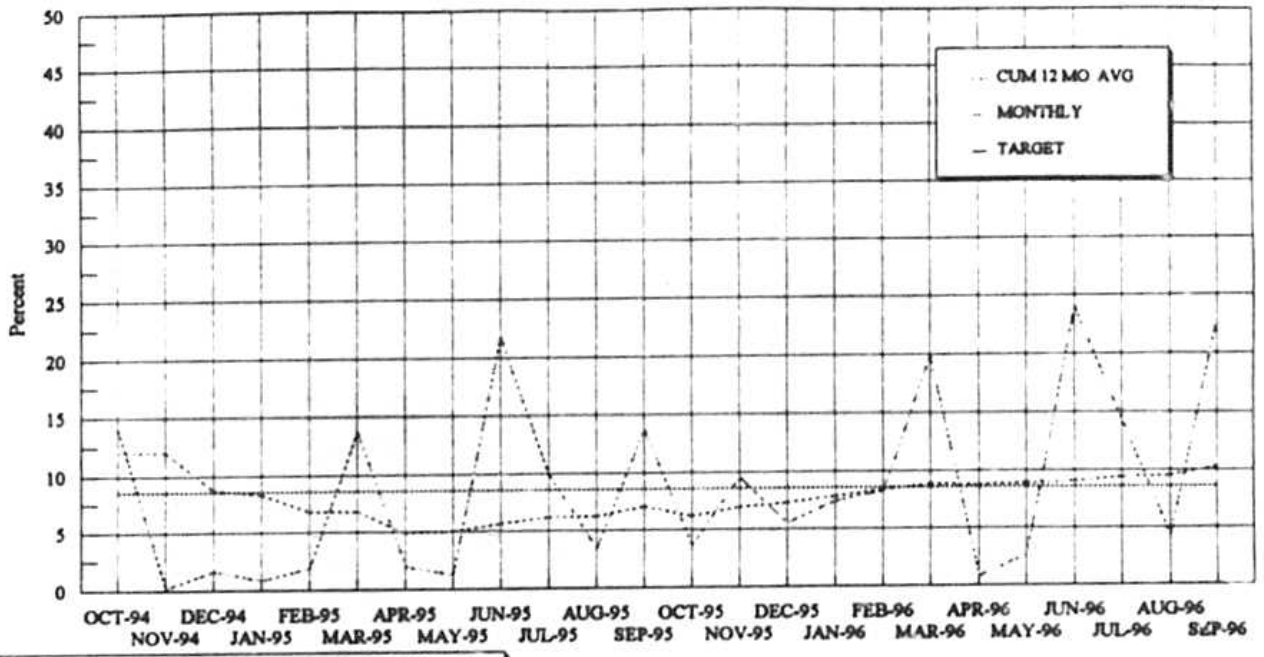
GANNON UNIT #6 EMOF



EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

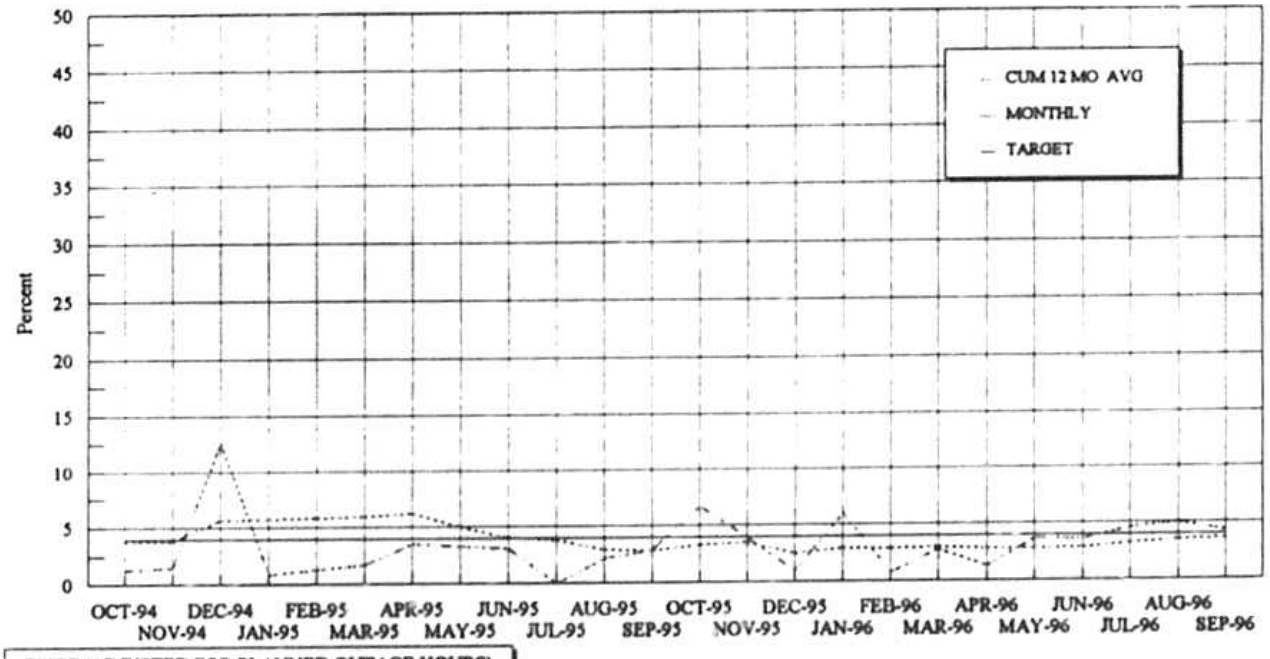
BIG BEND UNIT #1 EFOF



EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

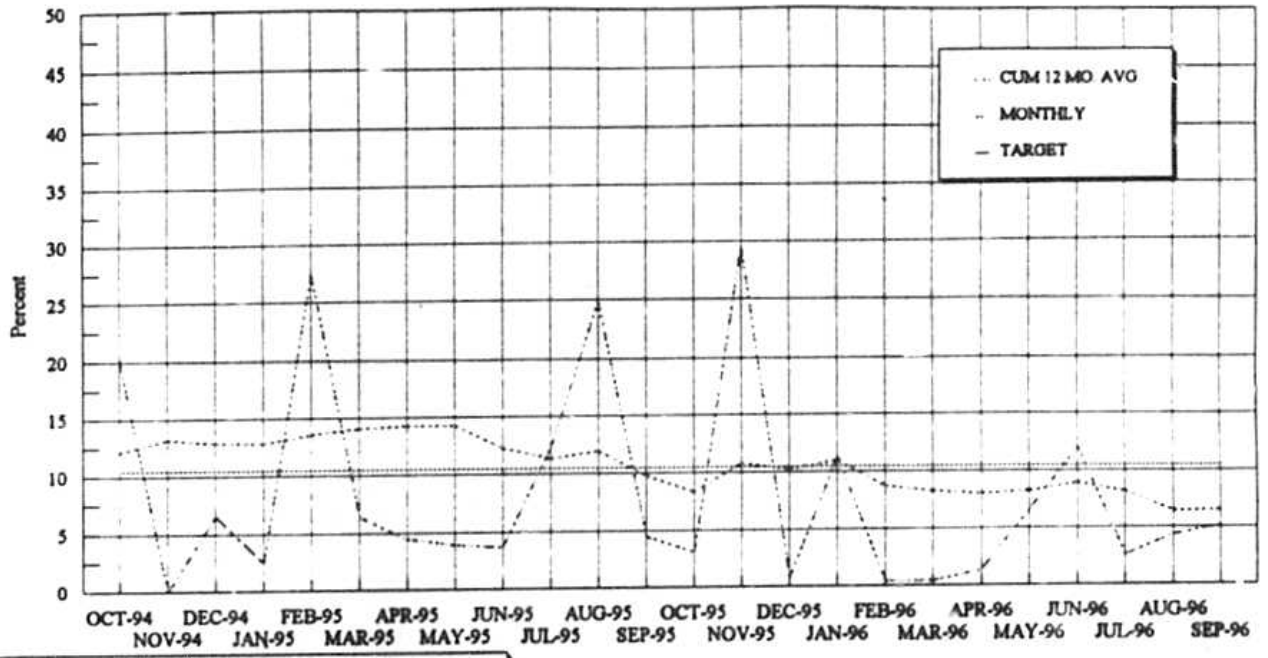
BIG BEND UNIT #1 EMOF



EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

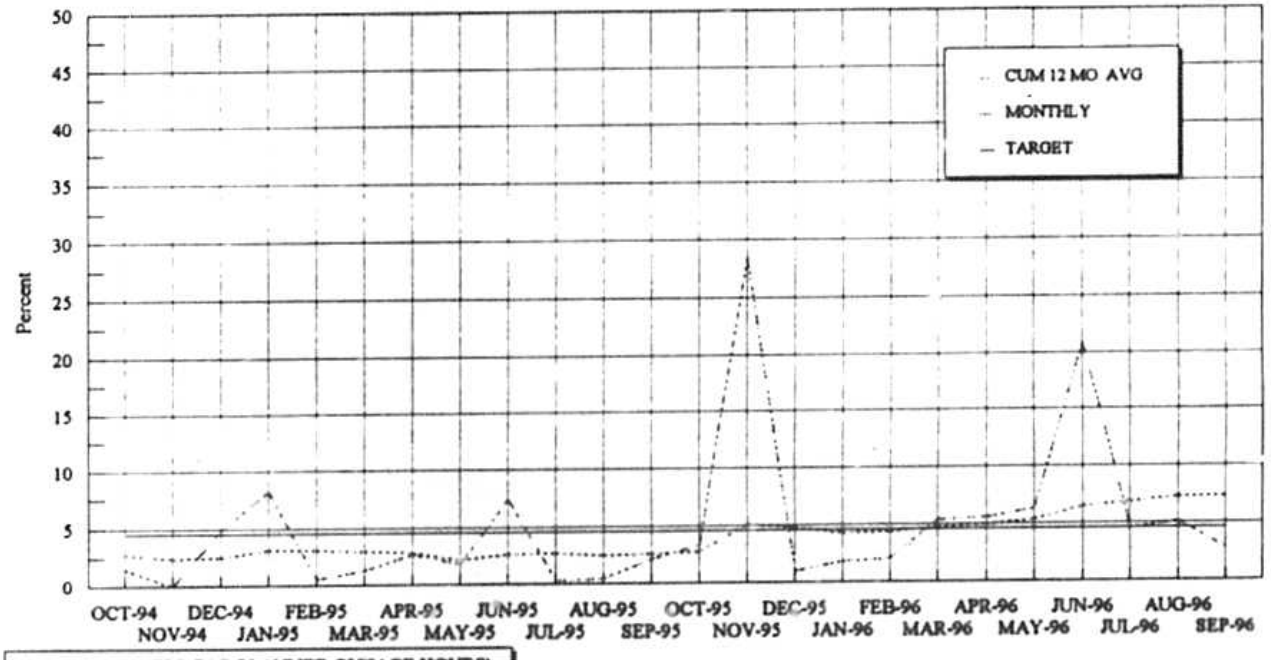
BIG BEND UNIT #2 EFOF



EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

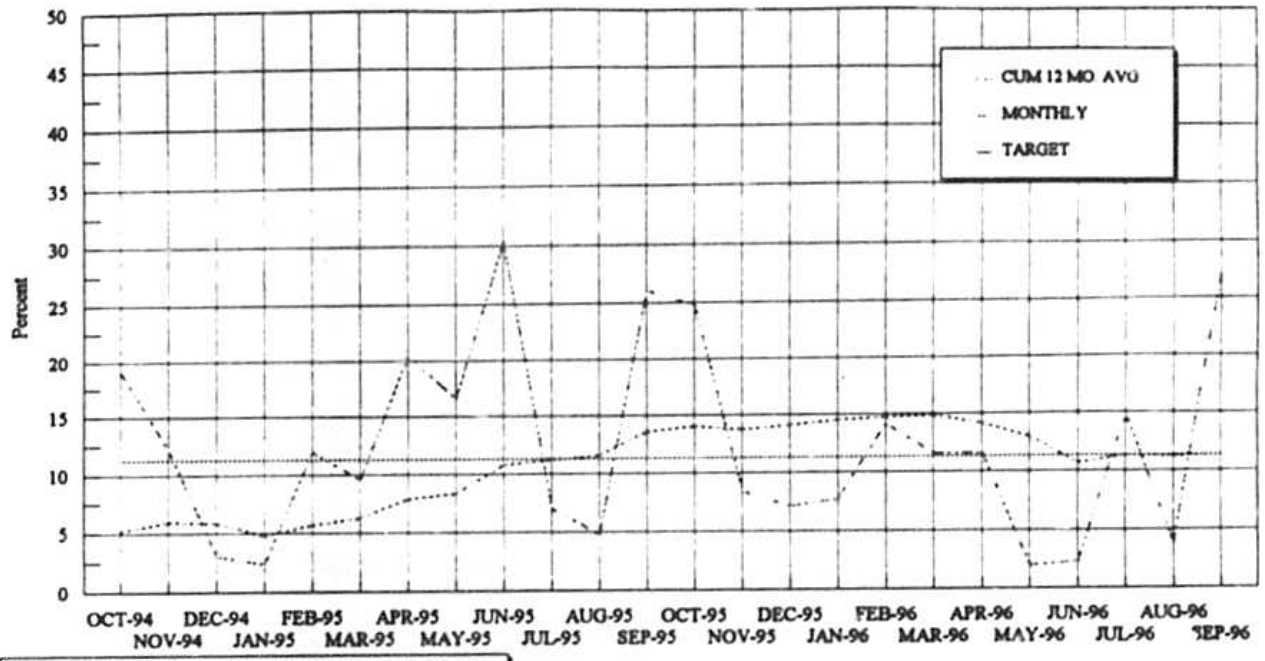
BIG BEND UNIT #2 EMOF



EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

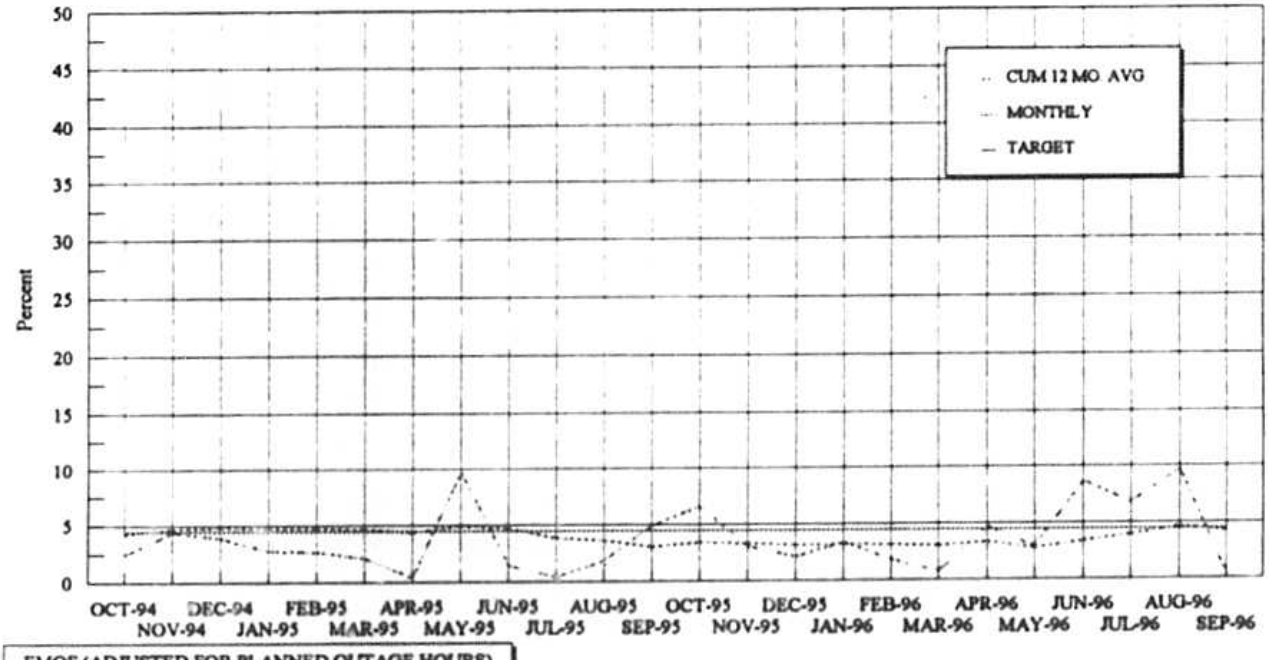
BIG BEND UNIT #3 EFOF



EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

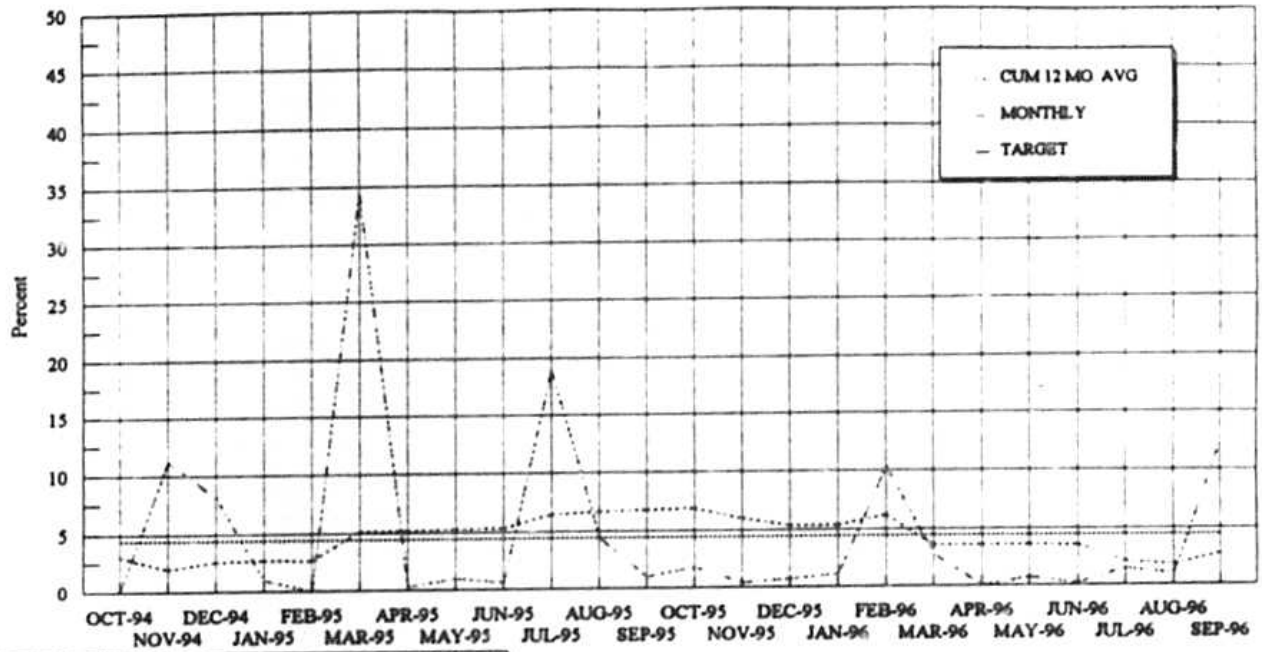
BIG BEND UNIT #3 EMOF



EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

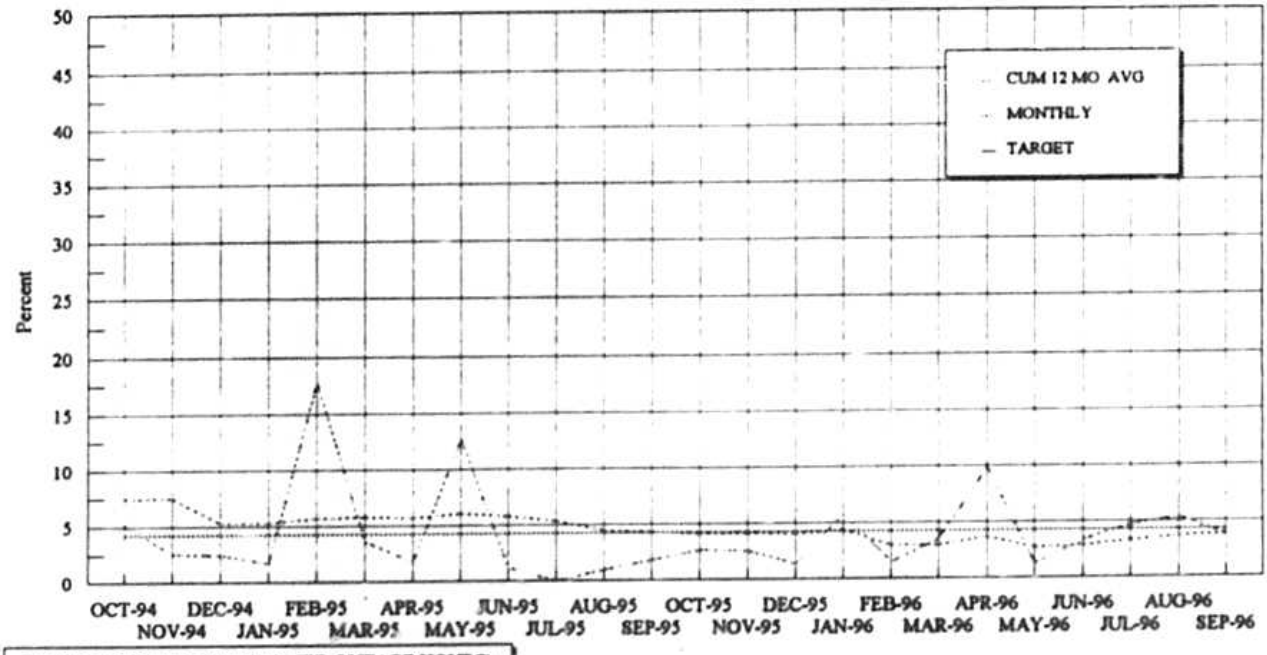
BIG BEND UNIT #4 EFOF



EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

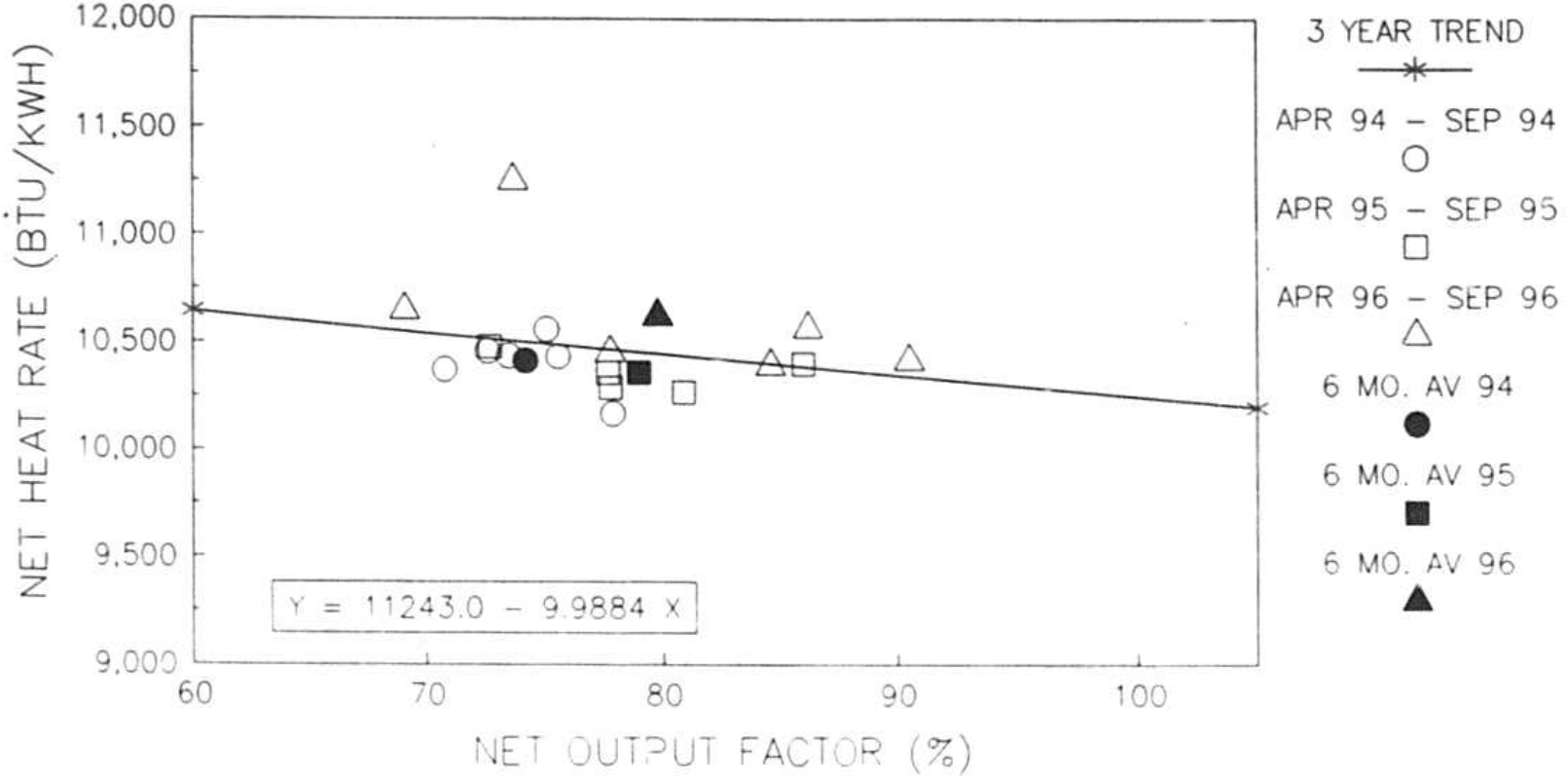
Tampa Electric Company

BIG BEND UNIT #4 EMOF



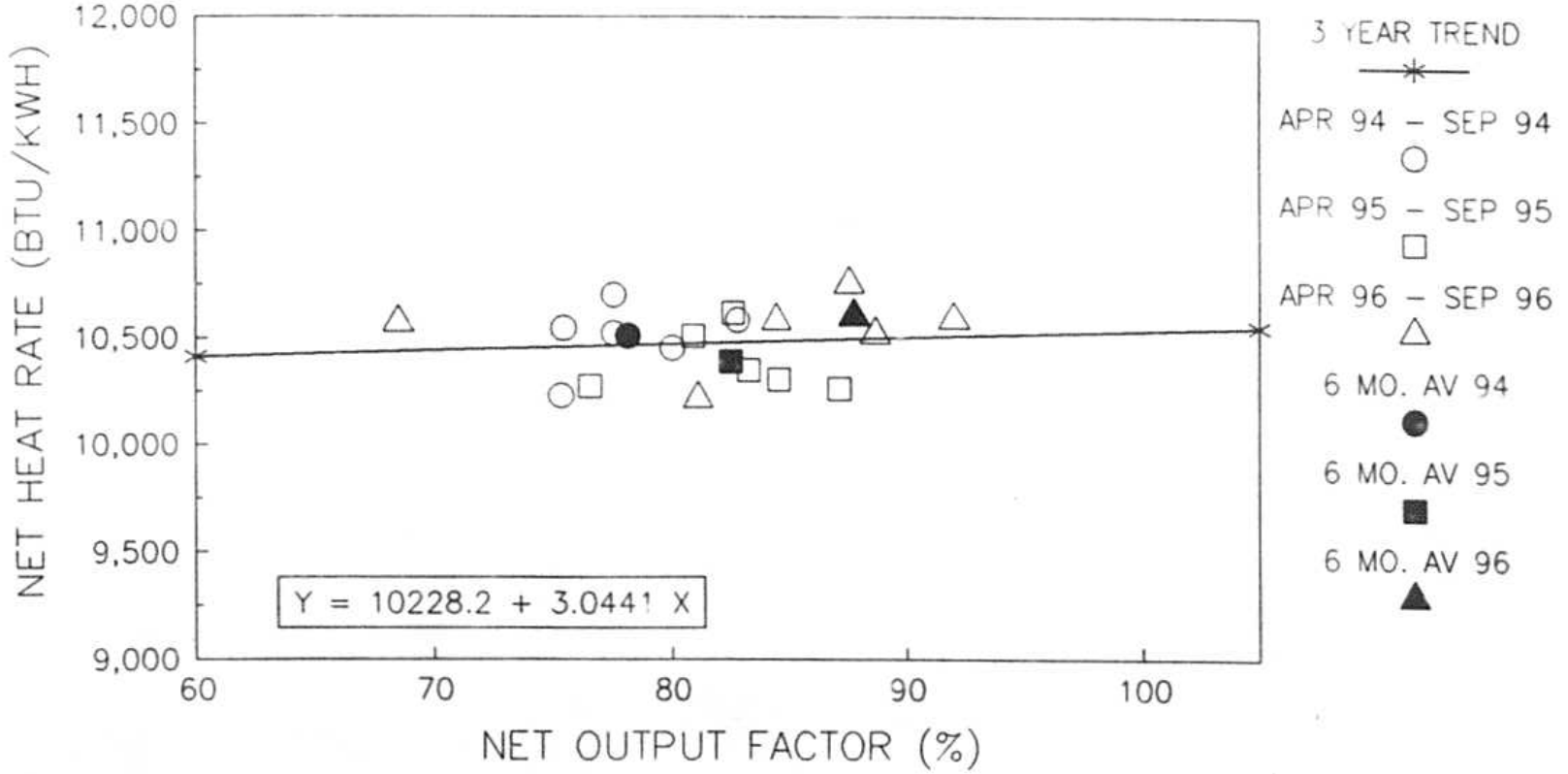
EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
GANNON 5, SUMMER 1997



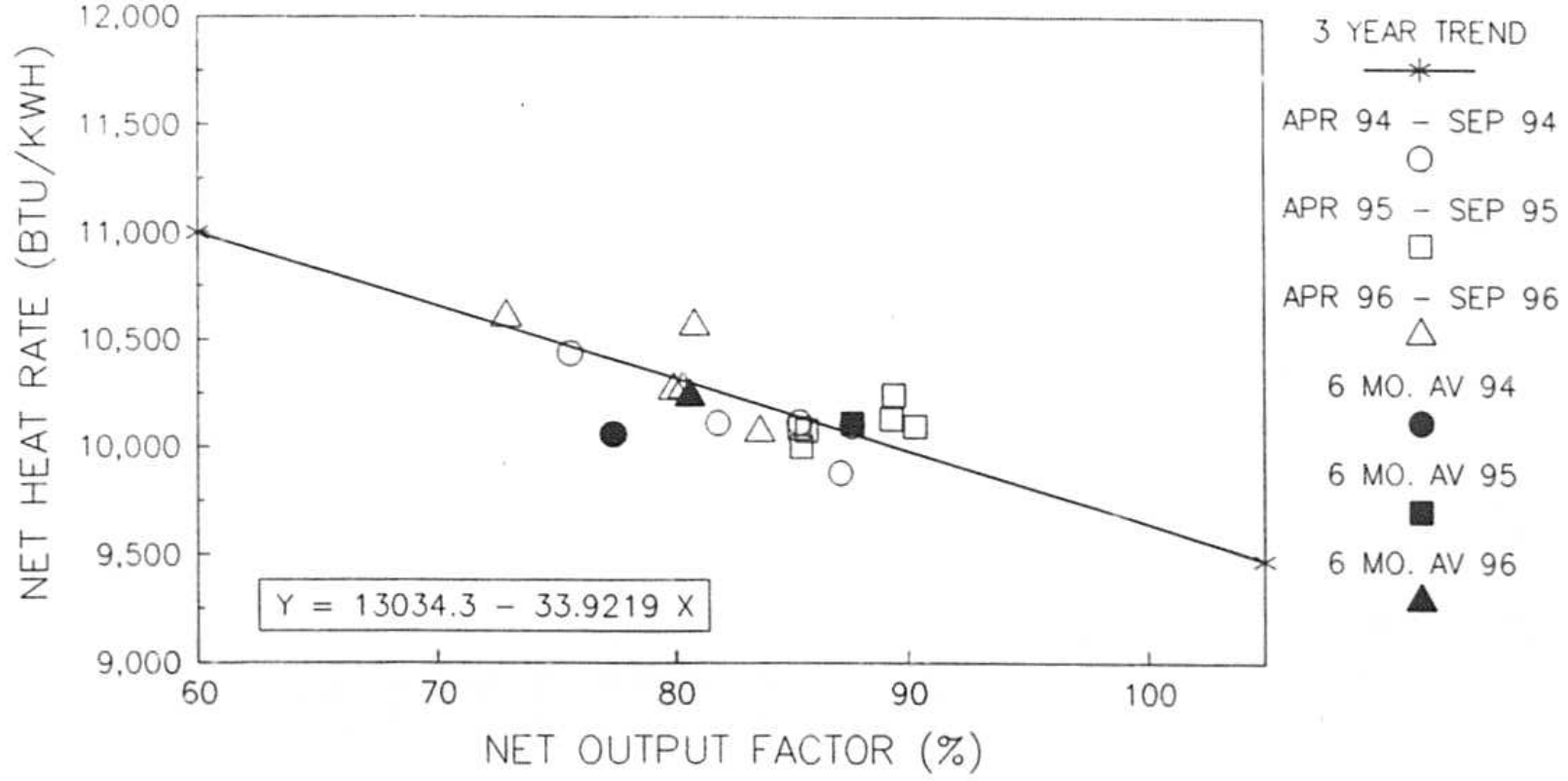
TARGET NET HEAT RATE: 10448
TARGET NET OUTPUT FACTOR: 79.6

TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
GANNON 6, SUMMER 1997



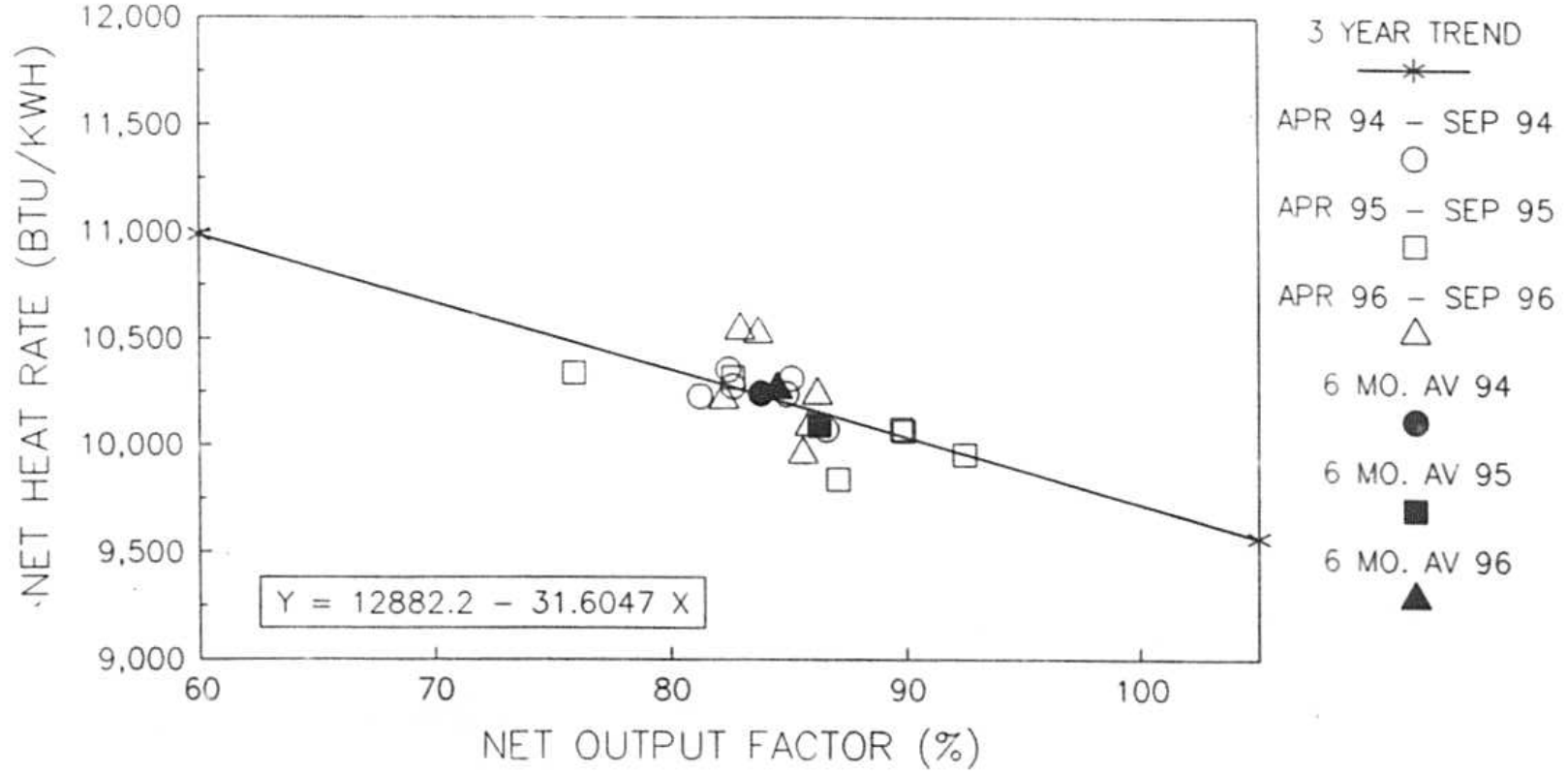
TARGET NET HEAT RATE: 10471
TARGET NET OUTPUT FACTOR: 79.7

TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
BIG BEND 1, SUMMER 1997



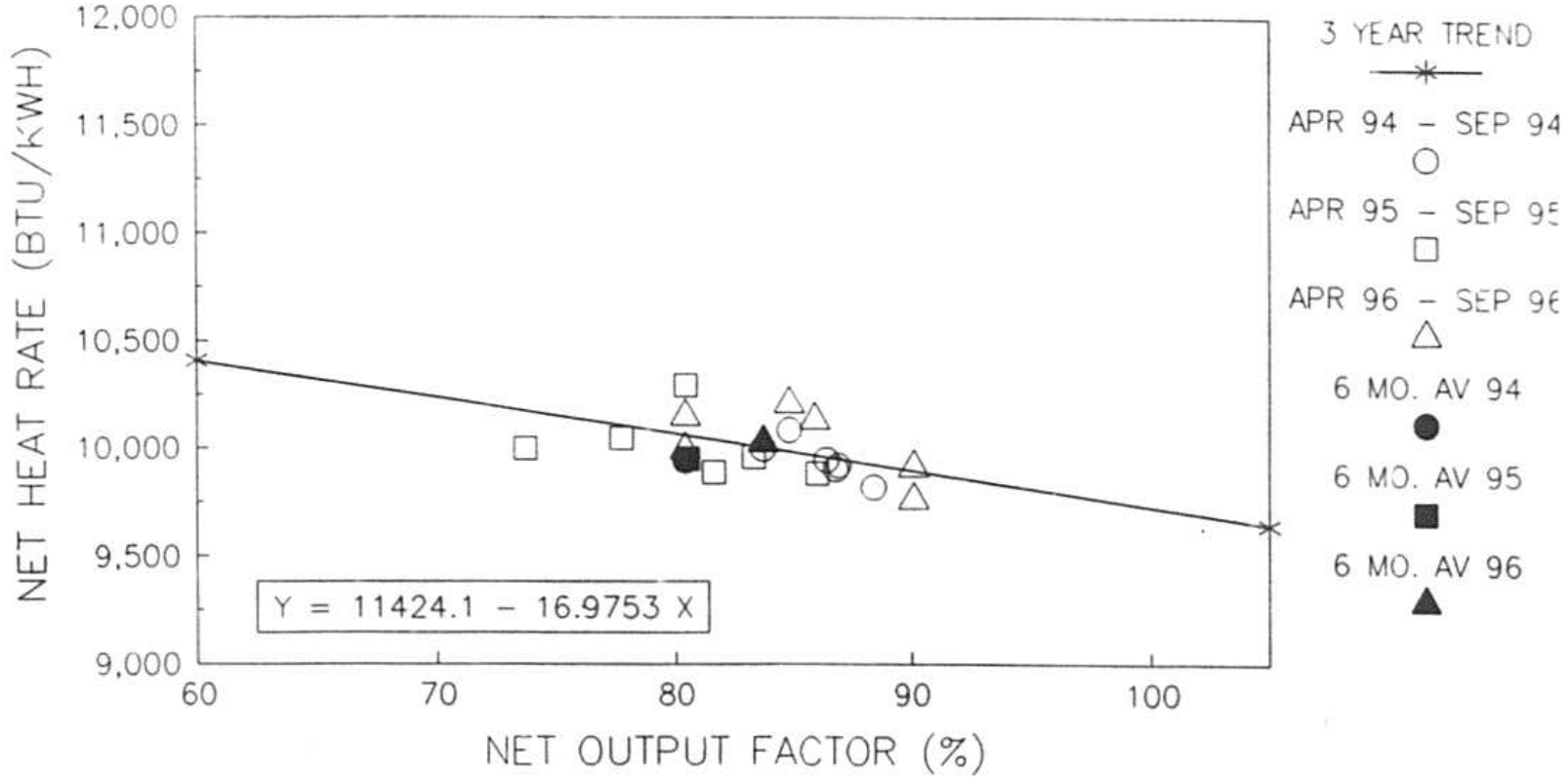
TARGET NET HEAT RATE: 9968
TARGET NET OUTPUT FACTOR: 90.4

TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
BIG BEND 2, SUMMER 1997



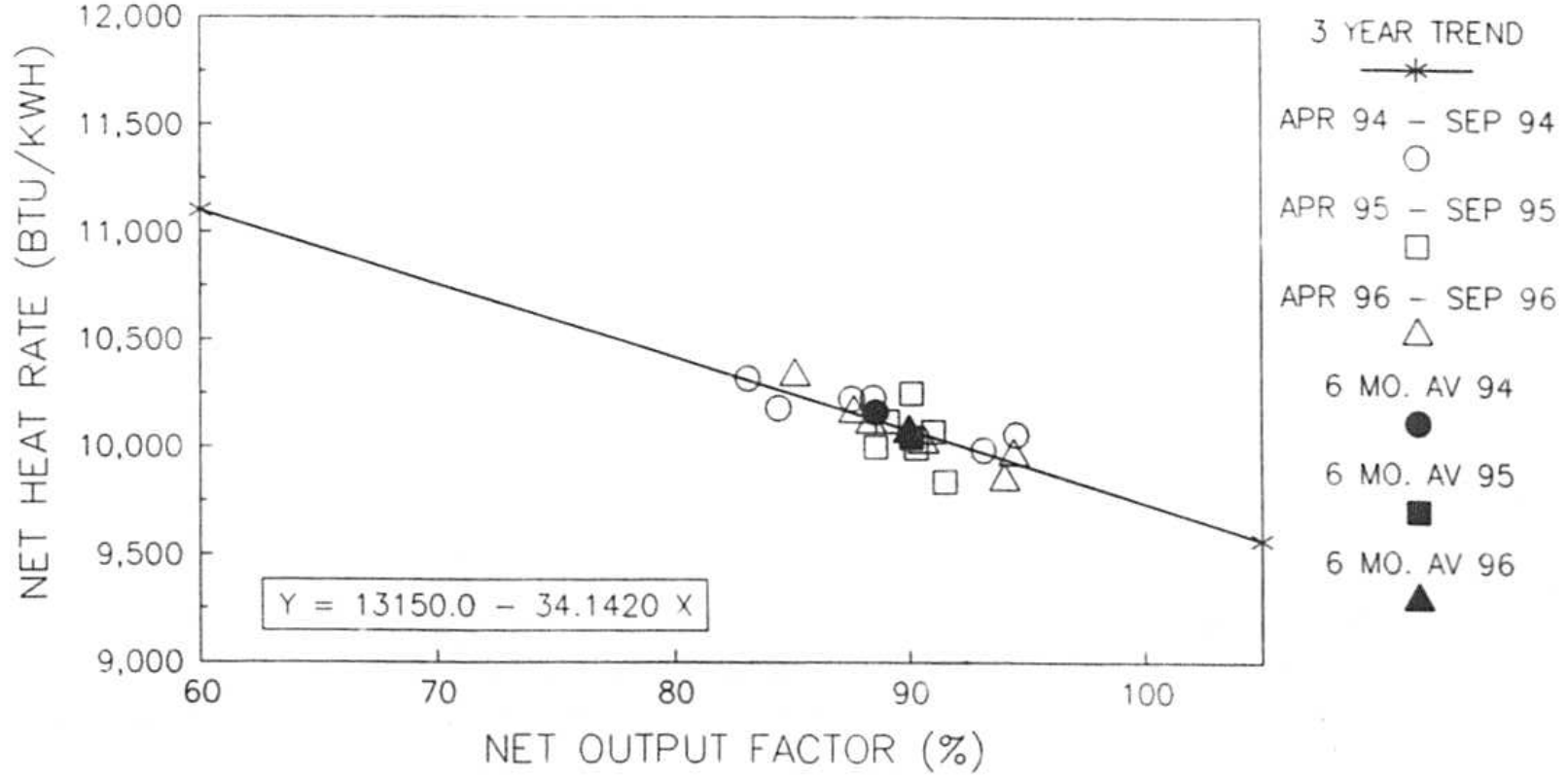
TARGET NET HEAT RATE: 10079
TARGET NET OUTPUT FACTOR: 88.7

TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
BIG BEND 3, SUMMER 1997



TARGET NET HEAT RATE: 9969
TARGET NET OUTPUT FACTOR: 85.7

TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
BIG BEND 4, SUMMER 1997



TARGET NET HEAT RATE: 9992
TARGET NET OUTPUT FACTOR: 92.5

TAMPA ELECTRIC COMPANY
TABLE 4.2
GENERATING UNITS IN GPIF
APRIL 1997 - SEPTEMBER 1997

UNIT		MDC GROSS (MW)	NDC NET (MW)
GANNON 5		245	222
GANNON 6		375	362
BIG BEND 1		435	411
BIG BEND 2		435	411
BIG BEND 3		445	421
BIG BEND 4		472	437
	TOTAL	2407	2264
	SYSTEM TOTAL	3730	3533
	% OF SYSTEM TOTAL	64.53%	64.08%

TAMPA ELECTRIC COMPANY
UNITS RATINGS
APRIL 1997 - SEPTEMBER 1997

UNIT		MDC GROSS (MW)	NDC NET (MW)
HOOKERS POINT 1		33	32
HOOKERS POINT 2		33	32
HOOKERS POINT 3		33	32
HOOKERS POINT 4		43	41
HOOKERS POINT 5		70	67
	HOOKERS TOTAL	212	204
GANNON 1		125	119
GANNON 2		125	119
GANNON 3		165	155
GANNON 4		200	189
GANNON 5		245	227
GANNON 6		375	362
	GANNON TOTAL	1235	1171
BIG BEND 1		435	421
BIG BEND 2		435	421
BIG BEND 3		445	430
BIG BEND 4		472	442
	BIG BEND TOTAL	1787	1714
GANNON CT		15	15
BIG BEND CT1		15	15
BIG BEND CT2		65	65
BIG BEND CT3		65	65
	CT TOTAL	160	160
PHILLIPS 1		18	17
PHILLIPS 2		18	17
	PHILLIPS TOTAL	36	34
POLK	POLK TOTAL	300	250
	SYSTEM TOTAL	3730	3533

TAMPA ELECTRIC COMPANY
PERCENT GENERATION BY UNIT
APRIL 1997 - SEPTEMBER 1997

STATION	UNIT	NET OUTPUT MWH	% OF PROJECTED OUTPUT	% CUMULATIVE PROJECTED OUTPUT
BIG BEND	4	1,682,873	17.33%	17.33%
BIG BEND	3	1,475,783	15.19%	32.52%
BIG BEND	2	1,468,329	15.12%	47.64%
BIG BEND	1	1,175,920	12.11%	59.74%
GANNON	6	1,148,784	11.83%	71.57%
POLK		756,628	7.79%	79.36%
GANNON	5	747,297	7.69%	87.06%
GANNON	4	366,258	3.77%	90.83%
GANNON	3	320,736	3.30%	94.13%
GANNON	1	284,830	2.93%	97.06%
GANNON	2	227,786	2.35%	99.41%
HOOKERS POINT	5	10,523	0.11%	99.51%
HOOKERS POINT	4	5,057	0.05%	99.57%
HOOKERS POINT	1	7,027	0.07%	99.64%
HOOKERS POINT	3	5,762	0.06%	99.70%
HOOKERS POINT	2	4,761	0.05%	99.75%
PHILLIPS	1	6,797	0.07%	99.82%
PHILLIPS	2	6,606	0.07%	99.89%
BIG BEND CT	3	5,371	0.06%	99.94%
BIG BEND CT	2	4,163	0.04%	99.98%
BIG BEND CT	1	798	0.01%	99.99%
GANNON CT	1	817	0.01%	100.00%
TOTAL GENERATION		9,712,906	100.00%	

GENERATION BY COAL UNITS: 9,655,224 MWH

% GENERATION BY COAL UNITS: 99.41%

GENERATION BY OIL UNITS: 57,682 MWH

% GENERATION BY OIL UNITS: 0.59%

GENERATION BY GPIF UNITS: 7,698,986 MWH

% GENERATION BY GPIF UNITS: 79.27%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
APRIL 1997 - SEPTEMBER 1997
TABLE OF CONTENTS

TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1997 - SEPTEMBER 1997

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 1	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	0.0	56.5	87.4	87.4	87.4	87.4	67.6
2. POF	100.0	35.5	0.0	0.0	0.0	0.0	22.4
3. EUOF	0.0	8.1	12.6	12.6	12.6	12.6	9.8
4. EUOR	0.0	12.5	12.6	12.6	12.6	12.6	12.6
5. PH	719	744	720	744	744	720	4391
6. SH	0	446	669	691	691	669	3166
7. RSH	0	0	0	0	0	0	0
8. UH	719	298	51	53	53	51	1225
9. POH	719	264	0	0	0	0	983
10. FOH & EFOH	0	41	62	64	64	62	293
11. MOH & EMOH	0	19	29	30	30	29	137
12. OPER BTU (GBTU)	0.000	1640.225	2465.285	2570.959	2573.132	2471.695	11721.296
13. NET GEN (MWH)	0	165418	248153	256655	256891	248805	1175922
14. ANOHR (BTU/KWH)	0	9916	9935	10017	10016	9934	9968
15. NOF (%)	0.0	90.2	90.3	90.4	90.5	90.5	90.4
16. NSC (MW)	411	411	411	411	411	411	411

17. ANOHR EQUATION ANOHR = NOF(-33.9219) + 13034.3

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1997 - SEPTEMBER 1997

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 2	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	85.0	84.9	84.9	84.9	84.9	84.9	84.9
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	15.0	15.1	15.1	15.1	15.1	15.1	15.1
4. EUOR	15.0	15.1	15.1	15.1	15.1	15.1	15.1
5. PH	719	744	720	744	744	720	4391
6. SH	660	682	660	682	682	660	4026
7. RSH	0	0	0	0	0	0	0
8. UH	59	62	60	62	62	60	365
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	75	78	76	78	78	76	461
11. MOH & EMOH	33	34	33	34	34	33	201
12. OPER BTU (GBTU)	2449.538	2453.717	2420.057	2522.436	2522.516	2430.823	14799.087
13. NET GEN (MWH)	244242	244002	240338	249172	249124	241451	1468329
14. ANOHR (BTU/KWH)	10029	10056	10069	10123	10126	10068	10079
15. NOF (%)	90.0	87.0	88.6	88.9	88.9	89.0	88.7
16. NSC (MW)	411	411	411	411	411	411	411
17. ANOHR EQUATION	ANOHR = NOF(-31.6047) + 12882.2						

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1997 - SEPTEMBER 1997

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 3 FADJ	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	84.3	84.3	84.3	84.3	84.3	84.3	84.3
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	15.7	15.7	15.7	15.7	15.7	15.7	15.7
4. EUOR	15.7	15.7	15.7	15.7	15.7	15.7	15.7
5. PH	719	744	720	744	744	720	4391
6. SH	684	707	684	707	707	684	4173
7. RSH	0	0	0	0	0	0	0
8. UH	35	37	36	37	37	36	218
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	81	84	81	84	84	81	495
11. MOH & EMOH	32	33	32	33	33	32	195
12. OPER BTU (GBTU)	2460.999	2447.311	2408.546	2508.853	2523.792	2405.646	14755.147
13. NET GEN (MWH)	249122	246504	240686	248776	250332	240364	1475784
14. ANOHR (BTU/KWH)	9879	9928	10007	10085	10082	10008	9998
15. NOF (%)	86.5	82.8	83.6	83.6	84.1	83.5	84.0
16. NSC (MW)	421	421	421	421	421	421	421
17. ANOHR EQUATION	ANOHR = NOF(-16.9753) + 11424.1						

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ESTIMATED UNIT PERFORMANCE DATA

APRIL 1997 - SEPTEMBER 1997

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 4	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	91.5	91.5	91.5	91.5	91.5	91.5	91.5
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	8.5	8.5	8.5	8.5	8.5	8.5	8.5
4. EUOR	8.5	8.5	8.5	8.5	8.5	8.5	8.5
5. PH	719	744	720	744	744	720	4391
6. SH	683	705	683	705	705	683	4164
7. RSH	0	0	0	0	0	0	0
8. UH	36	39	37	39	39	37	227
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	31	32	31	32	32	31	189
11. MOH & EMOH	30	31	30	31	31	30	183
12. OPER BTU (GBTU)	2795.580	2845.217	2724.419	2846.685	2842.292	2760.848	16815.041
13. NET GEN (MWH)	282647	287066	271972	282896	282419	275873	1682873
14. ANOHR (BTU/KWH)	9891	9911	10017	10063	10064	10008	9992
15. NOF (%)	94.7	93.2	91.1	91.8	91.7	92.4	92.5
16. NSC (MW)	437	437	437	437	437	437	437
17. ANOHR EQUATION	ANOHR = NOF(-34.1420) + 13150.0						

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1997 - SEPTEMBER 1997

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF	PERIOD
GANNON 1	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	89.2	89.1	89.0	89.1	89.1	86.1	88.6
2. POF	0.0	0.0	0.0	0.0	0.0	3.3	0.5
3. EUOF	10.8	10.9	11.0	10.9	10.9	10.6	10.8
4. EUOR	10.8	10.9	11.0	10.9	10.9	10.9	10.9
5. PH	719	744	720	744	744	720	4391
6. SH	421	439	433	449	438	401	2581
7. RSH	0	0	0	0	0	0	0
8. UH	298	305	287	295	306	319	1810
9. POH	0	0	0	0	0	24	24
10. FOH & EFOH	26	27	26	27	27	25	158
11. MOH & EMOH	52	54	53	54	54	51	318
12. OPER BTU (GBTU)	503.820	540.868	541.911	561.286	546.764	497.959	3192.608
13. NET GEN (MWH)	45271	48494	48360	49777	48500	44428	284830
14. ANOHR (BTU/KWH)	11129	11153	11206	11276	11273	11208	11209
15. NOF (%)	90.4	92.8	93.9	93.2	93.1	93.1	92.7
16. NSC (MW)	119	119	119	119	119	119	119

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1997 - SEPTEMBER 1997

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
GANNON 2	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	78.9	78.9	78.9	50.9	71.2	78.9	72.9
2. POF	0.0	0.0	0.0	35.5	9.7	0.0	7.7
3. EUOF	21.1	21.1	21.1	13.6	19.1	21.1	19.5
4. EUOR	21.1	21.1	21.1	21.0	21.1	21.1	21.1
5. PH	719	744	720	744	744	720	4391
6. SH	390	431	426	278	399	403	2327
7. RSH	0	0	0	0	0	0	0
8. UH	329	313	294	466	345	317	2064
9. POH	0	0	0	264	72	0	336
10. FOH & EFOH	92	95	92	61	86	92	518
11. MOH & EMOH	60	62	60	40	56	60	338
12. OPER BTU (GBTU)	417.066	486.232	489.228	323.906	453.862	460.171	2630.465
13. NET GEN (MWH)	36869	42714	42440	27447	38423	39893	227786
14. ANOHR (BTU/KWH)	11312	11383	11528	11801	11812	11535	11548
15. NOF (%)	80.1	84.0	84.4	83.7	81.6	83.9	83.0
16. NSC (MW)	118	118	118	118	118	118	118

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GANNON 3	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	87.2	87.2	78.5	56.3	87.2	87.2	80.6
2. POF	0.0	0.0	10.0	35.5	0.0	0.0	7.7
3. EUOF	12.8	12.8	11.5	8.2	12.8	12.8	11.8
4. EUOR	12.8	12.8	12.8	12.7	12.8	12.8	12.8
5. PH	719	744	720	744	744	720	4391
6. SH	424	448	401	289	451	425	2438
7. RSH	0	0	0	0	0	0	0
8. UH	295	296	319	455	293	295	1953
9. POH	0	0	72	264	0	0	336
10. FOH & EFOH	45	47	41	30	47	45	255
11. MOH & EMOH	47	48	42	31	48	47	263
12. OPER BTU (GBTU)	603.302	670.084	605.457	434.527	671.182	635.563	3620.115
13. NET GEN (MWH)	53964	59608	53603	38281	59053	56227	320736
14. ANOHR (BTU/KWH)	11180	11242	11295	11351	11366	11304	11287
15. NOF (%)	82.1	85.8	86.2	85.5	84.5	85.4	84.9
16. NSC (MW)	155	155	155	155	155	155	155

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GANNON 4	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	91.1	53.0	24.3	91.1	91.1	91.1	73.7
2. POF	0.0	41.9	73.3	0.0	0.0	0.0	19.1
3. EUOF	8.9	5.1	2.4	8.9	8.9	8.9	7.2
4. EUOR	8.9	8.8	8.9	8.9	8.9	8.9	8.9
5. PH	719	744	720	744	744	720	4391
6. SH	444	262	122	468	458	437	2191
7. RSH	0	0	0	0	0	0	0
8. UH	275	482	598	276	286	283	2200
9. POH	0	312	528	0	0	0	840
10. FOH & EFOH	32	19	9	33	33	32	158
11. MOH & EMOH	32	19	8	33	33	32	157
12. OPER BTU (GBTU)	783.901	471.728	223.593	847.794	829.824	787.987	3944.827
13. NET GEN (MWH)	73586	44034	20738	78261	76612	73028	366259
14. ANOHR (BTU/KWH)	10653	10713	10782	10833	10832	10790	10771
15. NOF (%)	87.7	88.9	89.9	88.5	88.5	88.4	88.4
16. NSC (MW)	189	189	189	189	189	189	189

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GANNON 5	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	90.0	89.9	90.0	89.9	89.9	90.0	90.0
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	10.0	10.1	10.0	10.1	10.1	10.0	10.0
4. EUOR	10.0	10.1	10.0	10.1	10.1	10.0	10.0
5. PH	719	744	720	744	744	720	4391
6. SH	693	716	693	716	716	693	4227
7. RSH	0	0	0	0	0	0	0
8. UH	26	28	27	28	28	27	164
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	58	60	58	60	60	58	354
11. MOH & EMOH	14	15	14	15	15	14	87
12 OPER BTU (GBTU)	1264.268	1283.557	1278.450	1353.087	1348.510	1279.819	7807.691
13. NET GEN (MWH)	123114	124025	122178	128020	127568	122391	747296
14. ANOHR (BTU/KWH)	10269	10349	10464	10569	10571	10457	10448
15. NOF (%)	80.0	78.0	79.4	80.5	80.3	79.6	79.6
16. NSC (MW)	222	222	222	222	222	222	222

17. ANOHR EQUATION ANOHR = NOF(-9.9884) + 11243.0

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GANNON 6	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	89.7	69.4	89.7	89.7	89.7	89.7	86.3
2. POF	0.0	22.6	0.0	0.0	0.0	0.0	3.8
3. EUOF	10.3	8.0	10.3	10.3	10.3	10.3	9.9
4. EUOR	10.3	10.3	10.3	10.3	10.3	10.3	10.3
5. PH	719	744	720	744	744	720	4391
6. SH	679	543	679	702	702	679	3984
7. RSH	0	0	0	0	0	0	0
8. UH	40	201	41	42	42	41	407
9. POH	0	168	0	0	0	0	168
10. FOH & EFOH	39	31	39	40	40	39	228
11. MOH & EMOH	35	28	35	37	37	35	207
12. OPER BTU (GBTU)	2131.190	1602.702	2036.196	2132.180	2117.221	2009.227	12028.716
13. NET GEN (MWH)	205105	153706	194667	202494	200944	191869	1148785
14. ANOHR (BTU/KWH)	0	10427	10460	10530	10530	10472	10471
15. NOF (%)	0.0	78.2	79.2	79.7	79.1	78.1	79.7
16. NSC (MW)	362	362	362	362	362	362	362
17. ANOHR EQUATION	ANOHR = NOF(3.0441) + 10228.2						

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HOOKERS PT 1	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	94.3	94.4	94.3	94.4	94.4	94.3	94.3
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	5.7	5.6	5.7	5.6	5.6	5.7	5.7
4. EUOR	5.7	5.6	5.7	5.6	5.6	5.7	5.7
5. PH	719	744	720	744	744	720	4391
6. SH	13	38	58	66	46	28	249
7. RSH	0	0	0	0	0	0	0
8. UH	706	706	662	678	698	692	4142
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	33	34	33	34	34	33	201
11. MOH & EMOH	8	8	8	8	8	8	48
12. OPER BTU (GBTU)	6.341	17.085	26.306	29.934	20.906	12.618	113.190
13. NET GEN (MWH)	388	1068	1645	1846	1291	789	7027
14. ANOHR (BTU/KWH)	16343	15997	15991	16216	16194	15992	16108
15. NOF (%)	99.5	93.7	94.5	93.2	93.6	93.9	94.1
16. NSC (MW)	30	30	30	30	30	30	30

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HOOKERS PT 2	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	94.3	94.4	94.3	94.4	94.4	94.3	94.3
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	5.7	5.6	5.7	5.6	5.6	5.7	5.7
4. EUOR	5.7	5.6	5.7	5.6	5.6	5.7	5.7
5. PH	719	744	720	744	744	720	4391
6. SH	14	25	36	46	31	16	168
7. RSH	0	0	0	0	0	0	0
8. UH	705	719	684	698	713	704	4223
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	33	34	33	34	34	33	201
11. MOH & EMOH	8	8	8	8	8	8	48
12. OPER BTU (GBTU)	6.830	11.354	16.308	20.975	13.897	7.348	76.712
13. NET GEN (MWH)	419	711	1016	1298	860	458	4762
14. ANOHR (BTU/KWH)	16301	15969	16051	16159	16159	16044	16109
15. NOF (%)	99.8	94.8	94.1	94.1	92.5	95.4	94.5
16. NSC (MW)	30	30	30	30	30	30	30

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HOOKERS PT 3	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	94.3	94.4	94.3	94.4	94.4	94.3	94.3
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	5.7	5.6	5.7	5.6	5.6	5.7	5.7
4. EUOR	5.7	5.6	5.7	5.6	5.6	5.7	5.7
5. PH	719	744	720	744	744	720	4391
6. SH	16	44	51	41	27	24	203
7. RSH	0	0	0	0	0	0	0
8. UH	703	700	669	703	717	696	4188
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	33	34	33	34	34	33	201
11. MOH & EMOH	8	8	8	8	8	8	48
12. OPER BTU (GBTU)	8.044	19.429	23.263	18.897	12.361	10.978	92.972
13. NET GEN (MWH)	501	1226	1454	1146	749	686	5762
14. ANOHR (BTU/KWH)	16056	15847	15999	16490	16503	16003	16135
15. NOF (%)	104.4	92.9	95.0	93.2	92.5	95.3	94.6
16. NSC (MW)	30	30	30	30	30	30	30

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HOOKERS PT 4	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	94.3	94.4	94.3	94.4	94.4	94.3	94.3
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	5.7	5.6	5.7	5.6	5.6	5.7	5.7
4. EUOR	5.7	5.6	5.7	5.6	5.6	5.7	5.7
5. PH	719	744	720	744	744	720	4391
6. SH	15	22	30	36	23	14	140
7. RSH	0	0	0	0	0	0	0
8. UH	704	722	690	708	721	706	4251
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	33	34	33	34	34	33	201
11. MOH & EMOH	8	8	6	8	8	8	48
12. OPER BTU (GBTU)	9.461	12.480	17.842	21.218	13.715	8.178	82.894
13. NET GEN (MWH)	587	773	1089	1280	827	499	505.
14. ANOHR (BTU/KWH)	16118	16145	16384	16577	16584	16389	16398
15. NOF (%)	100.3	90.1	93.1	91.2	92.2	91.4	92.6
16. NSC (MW)	39	39	39	39	39	39	39

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HOOKERS PT 5	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	76.4	76.5	76.4	76.5	7.4	58.6	61.8
2. POF	0.0	0.0	0.0	0.0	90.3	23.3	19.1
3. EUOF	23.6	23.5	23.6	23.5	2.3	18.1	19.1
4. EUOR	23.6	23.5	23.6	23.5	23.6	23.6	23.6
5. PH	719	744	720	744	744	720	4391
6. SH	16	28	38	48	34	18	182
7. RSH	0	0	0	0	0	0	0
8. UH	703	716	682	696	710	702	4209
9. POH	0	0	0	0	672	168	840
10. FOH & EFOH	136	140	136	140	14	104	670
11. MOH & EMOH	34	35	34	35	3	26	167
12. OPER BTU (GBTU)	15.435	25.620	35.664	45.730	31.599	16.518	170.566
13. NET GEN (MWH)	968	1588	2202	2809	1937	1018	10522
14. ANOHR (BTU/KWH)	15945	16134	16196	16280	16313	16226	16210
15. NOF (%)	90.3	84.6	86.5	87.3	85.0	84.4	86.3
16. NSC (MW)	67	67	67	67	67	67	67

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GANNON CT 1	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	65.0	64.9	65.0	64.9	64.9	34.6	60.0
2. POF	0.0	0.0	0.0	0.0	0.0	46.7	7.7
3. EUOF	35.0	35.1	35.0	35.1	35.1	18.8	32.4
4. EUOR	35.0	35.1	35.0	35.1	35.1	35.2	35.1
5. PH	719	744	720	744	744	720	4391
6. SH	10	7	13	16	8	3	57
7. RSH	0	0	0	0	0	0	0
8. UH	709	737	707	728	736	717	4334
9. POH	0	0	0	0	0	336	336
10. FOH & EFOH	144	149	144	149	149	77	812
11. MOH & EMOH	108	112	108	112	112	58	610
12. OPER BTU (GBTU)	3.067	2.319	4.057	4.872	2.626	0.827	17.768
13. NET GEN (MWH)	141	107	187	224	121	38	818
14. ANOHR (BTU/KWH)	21752	21673	21695	21750	21702	21763	21721
15. NOF (%)	94.0	101.9	95.9	93.3	100.8	84.4	95.7
16. NSC (MW)	15	15	15	15	15	15	15

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BIG BEND CT 1	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	65.0	64.9	65.0	41.9	58.7	65.0	60.0
2. POF	0.0	0.0	0.0	35.5	9.7	0.0	7.7
3. EUOF	35.0	35.1	35.0	22.6	31.6	35.0	32.3
4. EUOR	35.0	35.1	35.0	35.0	35.0	35.0	35.0
5. PH	719	744	720	744	744	720	4391
6. SH	10	8	14	10	8	5	55
7. RSH	0	0	0	0	0	0	0
8. UH	709	736	706	734	736	715	4336
9. POH	0	0	0	264	72	0	336
10. FOH & EFOH	144	149	144	96	134	144	811
11. MOH & EMOH	108	112	108	72	101	108	609
12. OPER BTU (GBTU)	3.146	2.390	4.140	2.993	2.468	1.583	16.720
13. NET GEN (MWH)	150	114	198	143	118	76	799
14. ANOHR (BTU/KWH)	20973	20965	20909	20930	20915	20829	20926
15. NOF (%)	100.0	95.0	94.3	95.3	98.3	101.3	96.8
16. NSC (MW)	15	15	15	15	15	15	15

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BIG BEND CT 2	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	69.1	69.1	66.7	40.1	69.1	69.2	63.8
2. POF	0.0	0.0	3.3	41.9	0.0	0.0	7.7
3. EUOF	30.9	30.9	30.0	18.0	30.9	30.8	28.6
4. EUOR	30.9	30.9	31.0	31.0	30.9	30.8	30.9
5. PH	719	744	720	744	744	720	4391
6. SH	14	11	18	12	12	7	74
7. RSH	0	0	0	0	0	0	0
8. UH	705	733	702	732	732	713	4317
9. POH	0	0	24	312	0	0	336
10. FOH & EFOH	111	115	108	67	115	111	627
11. MOH & EMOH	111	115	108	67	115	111	627
12. OPER BTU (GBTU)	13.439	10.332	16.513	11.556	11.361	6.808	70.009
13. NET GEN (MWH)	798	612	982	694	674	403	4163
14. ANOHR (BTU/KWH)	16841	16882	16816	16651	16856	16893	16817
15. NOF (%)	87.7	85.6	83.9	89.0	86.4	88.6	86.5
16. NSC (MW)	65	65	65	65	65	65	65

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BIG BEND CT 3	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	69.1	69.1	36.9	69.1	69.1	69.2	63.8
2. POF	0.0	0.0	46.7	0.0	0.0	0.0	7.7
3. EUOF	30.9	30.9	16.4	30.9	30.9	30.8	28.5
4. EUOR	30.9	30.9	30.7	30.9	30.9	30.8	30.9
5. PH	719	744	720	744	744	720	4391
6. SH	19	15	11	25	16	10	96
7. RSH	0	0	0	0	0	0	0
8. UH	700	729	709	719	728	710	4295
9. POH	0	0	336	0	0	0	336
10. FOH & EFOH	111	115	59	115	115	111	626
11. MOH & EMOH	111	115	59	115	115	111	626
12. OPER BTU (GBTU)	17.304	13.728	11.073	23.683	14.703	8.947	89.438
13. NET GEN (MWH)	1039	821	672	1422	881	536	5371
14. ANOHR (BTU/KWH)	16654	16721	16478	16655	16689	16692	16652
15. NOF (%)	84.1	84.2	94.0	87.5	84.7	82.5	86.1
16. NSC (MW)	65	65	65	65	65	65	65

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PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
PHILLIPS 1	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	53.3	80.0	80.0	80.0	80.0	80.0	75.6
2. POF	33.4	0.0	0.0	0.0	0.0	0.0	5.5
3. EUOF	13.4	20.0	20.0	20.0	20.0	20.0	18.9
4. EUOR	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5. PH	719	744	720	744	744	720	4391
6. SH	58	73	87	99	63	44	424
7. RSH	0	0	0	0	0	0	0
8. UH	661	671	633	645	681	676	3967
9. POH	240	0	0	0	0	0	240
10. FOH & EFOH	34	52	50	52	52	50	290
11. MOH & EMOH	62	97	94	97	97	94	541
12. OPER BTU (GBTU)	8.924	10.191	13.443	15.464	9.713	6.819	64.554
13. NET GEN (MWH)	939	1074	1415	1628	1022	718	6796
14. ANOHR (BTU/KWH)	9504	9489	9500	9499	9504	9497	9499
15. NOF (%)	95.2	86.5	95.7	96.7	95.4	96.0	94.3
16. NSC (MW)	17	17	17	17	17	17	17

FILED:
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EFFECTIVE: 04/01/97
DOCKET NO. : 970001-EI
ORDER NO.:

TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1997 - SEPTEMBER 1997

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
PHILLIPS 2	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	80.1	80.0	80.0	80.0	80.0	53.3	75.6
2. POF	0.0	0.0	0.0	0.0	0.0	33.3	5.5
3. EUOF	19.9	20.0	20.0	20.0	20.0	13.3	18.9
4. EUOR	19.9	20.0	20.0	20.0	20.0	20.0	20.0
5. PH	719	744	720	744	744	720	4391
6. SH	56	70	84	97	61	43	411
7. RSH	0	0	0	0	0	0	0
8. UH	663	674	636	647	683	677	3980
9. POH	0	0	0	0	0	240	240
10. FOH & EFOH	50	52	50	52	52	34	290
11. MOH & EMOH	93	97	94	97	97	62	540
12. OPER BTU (GBTU)	8.684	9.871	13.076	15.083	9.430	6.600	62.744
13. NET GEN (MWH)	914	1041	1376	1588	993	695	6607
14. ANOHR (BTU/KWH)	9501	9482	9503	9498	9496	9496	9497
15. NOF (%)	96.0	87.5	96.4	96.3	95.8	95.1	94.6
16. NSC (MW)	17	17	17	17	17	17	17

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ESTIMATED UNIT PERFORMANCE DATA

APRIL 1997 - SEPTEMBER 1997

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
POLK	APR 97	MAY 97	JUN 97	JUL 97	AUG 97	SEP 97	SUMMER 1997
1. EAF (%)	53.4	80.1	72.1	72.4	80.1	53.5	68.8
2. POF	33.4	0.0	10.0	9.7	0.0	33.3	14.2
3. EUOF	13.2	19.9	17.9	17.9	19.9	13.2	17.0
4. EUOR	19.8	19.9	19.9	19.8	19.9	19.8	19.9
5. PH	719	744	720	744	744	720	4391
6. SH	383	607	533	554	601	383	3061
7. RSH	0	0	0	0	0	0	0
8. UH	336	137	187	190	143	337	1330
9. POH	240	0	72	72	0	240	624
10. FOH & EFOH	57	89	77	80	89	57	449
11. MOH & EMOH	38	59	52	53	59	38	299
12. OPER BTU (GBTU)	833.171	1307.670	1147.170	1192.140	1299.610	832.842	6612.603
13. NET GEN (MWH)	95177	149659	131431	136624	148602	95134	756627
14. ANOHR (BTU/KWH)	8754	8738	8728	8726	8746	8754	8740
15. NOF (%)	99.4	98.6	98.6	98.6	98.9	99.4	98.9
16. NSC (MW)	250	250	250	250	250	250	250

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