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ORIGINAL COPY

June 23, 1997

HAND DELIVERED

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

Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor; FPSC Docket No. 970001-EI

Dear Ms. Bayo:

Enclosed for filing in the above docket, on behalf of Tampa Electric Company, are ten copies of each of the following:

1. Petition of Tampa Electric Company. 06254-97

2. Prepared Direct Testimony of Karen A. Branick and Exhibit (KAB-2) regarding Tampa Electric's projected Total Fuel and Purchased Power Cost Recovery Factors, Exhibit (KAB-3) regarding projected Capacity Cost Recovery Factors for the period October 1997 through March 1998 and Exhibit KAB-4 regarding the company's Deferred Revenue Plan $25 million refund during the period October 1997 through December 1998. 06255-97

3. Prepared Direct Testimony of George A. Keselowsky with Exhibits (GAK-2) and (GAK-3) regarding Tampa Electric Company's projected performance under the Generating Performance Incentive Factor for the period October 1997 through March 1998.

ACK ____
AFA Vandiver
APP ____
CAF ____
CMU ____
CTR ____
EAG Bayo
LEG 1
LIN 3 to 8
OPC ____
RCH ____
SEC 1
WAS ____
OTH ____

Pursuant to an agreement with Staff, Tampa Electric will file on Wednesday, June 25, 1997, Prepared Direct Testimony of Charles R. Black with Exhibit CRB-1 regarding 1996 transportation and coal benchmark calculations. The company will also file on that date, pursuant to Staff's agreement, Supplemental Direct Testimony of Karen A. Branick and Exhibit KAB-5 and Prepared Direct Testimony of Gerard J. Kordecki, all pertaining to the effect of FERC open access orders on Florida Broker Transactions.

FPSC-BUREAU OF RECORDS

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

Thank you for your assistance in connection with this matter.

Sincerely,

James D. Beasley

JDB/pp
Enclosures

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

ORIGINAL
FILE COPY

TAMPA ELECTRIC COMPANY
DOCKET NO. 970001-EI
SUBMITTED FOR FILING 6/23/97
(PROJECTION)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

GEORGE A. KESELOWSKY

Q. Will you please state your name, business address, and employer?

A. My name is George A. Keselowsky and my business address is Post Office Box 111, Tampa, Florida 33601. I am employed by Tampa Electric Company.

Q. Please furnish us with a brief outline of your educational background and business experience.

A. I graduated in 1972 from the University of South Florida with a Bachelor of Science Degree in Mechanical Engineering. I have been employed by Tampa Electric Company in various engineering positions since that time. My current position is that of Senior Consulting Engineer - Energy Supply Engineering.

Q. What are your current responsibilities?

A. I am responsible for testing and reporting unit

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" October 1997 - March 1998, consisting of 34 pages filed with the Commission on June 23, 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 One is 13.0%. The Planned Outage Factor for this same unit during this period is 7.7%. Therefore, the target equivalent availability for this unit equals:

$$100\% - [(13.0\% + 7.7\%)] = 79.3\%$$

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 One:

$EAF_{MAX} = 100\% - [0.8\ (13.0\%) + 0.95\ (7.7\%)] = 82.3\%$

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 One,

$EAF_{MIN} = 100\% - [1.4\ (13.0\%) + 1.1\ (7.7\%)] = 73.3\%$

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 3 is scheduled for an annual maintenance outage November 1 to November 21, 1997. There are 504 planned outage hours scheduled for the winter 1997 period, and a total of 4369 hours during this 6 month period. Consequently, the Planned Outage Factor for Unit 3

at Big Bend is 504/4369 x 100% or 11.5%. This factor is shown on pages 5 and 17 of my exhibit. Big Bend Unit 1 has a planned outage factor of 7.7% as does Big Bend Unit 2. Big Bend Units 3 and 4 have planned outage factors of 11.5%, as does Gannon Unit 5. Gannon Unit 6 has a planned outage factor of 1.1%.

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, March 1997, 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 13.0% for Big Bend Unit One. The Equivalent Unplanned Outage Factor (EUOF) for Big Bend Unit One is verified by the data shown on page 15, 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

$$EUOF = \frac{(400 + 168)}{4369} \times 100 = 13.0\%$$

Relative to Big Bend Unit One, the EUOF of 13.0% 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 13.0% during this period. This unit will have a planned outage this period and the Planned Outage Factor is 7.7%. This results in a target equivalent availability of 79.3% for the period.

Big Bend Unit Two

The projected EUOF for this unit is 12.6%. This unit will have a planned outage during this period and the Planned Outage Factor is 7.7%. Therefore, the target equivalent availability for this unit is 79.7%.

Big Bend Unit Three

The projected EUOF for this unit is 14.4%. This unit will have a planned outage this period and the Planned Outage Factor is 11.5%. Therefore, the target equivalent availability for this unit is 74.1%.

Big Bend Unit Four

The projected EUOF for this unit is 7.4%. This unit will have a planned outage during this period and the Planned Outage Factor is 11.5%. This results in a target equivalent availability of 81.1% for the period.

Gannon Unit Five

The projected EUOF for this unit is 11.1%. This unit will have a planned outage during this period and the Planned Outage Factor is 11.5%. Therefore, the target equivalent availability for this unit is 77.3%.

Gannon Unit Six

The projected EUOF for this unit is 10.5%. This unit will have a planned outage during this period and the Planned Outage Factor is 1.1%. Therefore, the target equivalent availability for this unit is 88.4%.

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 78.2%. This target compares very favorably to previous GPIF periods when compared on a common planned outage factor basis. 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 14. During the months of October through February, EUOF and EUOR are equal. This is due to the fact that no planned outages are scheduled during these months. During the month of March, 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. 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. How were these targets determined?

A. Net heat rate data for the three most recent winter

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 26 through 31 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 winter 1997 period?

A. Yes. The heat rate target for Big Bend Unit 1 is 10,084 Btu/Net kwh. The range about this value, to allow for potential improvement or degradation, is ±237 Btu/Net kwh. The heat rate target for Big Bend Unit 2 is 9,961 Btu/Net kwh with a range of ±345 Btu/Net kwh. The heat rate target for Big Bend Unit 3 is 9,680 Btu/Net kwh, with a range of ±362 Btu/Net kwh. The heat rate target for Big Bend Unit 4 is 10,025 Btu/Net kwh with a range of ±315 Btu/Net kwh. The heat rate target for Gannon Unit 5 is 10,378 Btu/Net kwh with a range of ±392 Btu/Net kwh. The heat rate target for Gannon Unit 6 is 10,692 Btu/Net kwh with a range of ±393 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 $114,813,500 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: $4,133,500 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 5.22% 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 82.6% equivalent availability, fuel savings would equal $215,700 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, $4,133,500. 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 October 1997 - March 1998 is shown to be $1,157,214,571. This produces the maximum allowed jurisdictional incentive dollars of $2,351,688 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 the maximum allowed incentive dollars have been reduced to meet this constraint.

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):

$$GPIP = (0.0146\ EAP_{GN5} + 0.0101\ EAP_{GN6} + 0.0416\ EAP_{BB1} + 0.0522\ EAP_{BB2} + 0.0798\ EAP_{BB3} + 0.0398\ EAP_{BB4} + 0.0740\ HRP_{GN5} + 0.1185\ HRP_{GN6} + 0.1067\ HRP_{BB1} + 0.1614\ HRP_{BB2} + 0.1522\ HRP_{BB3} + 0.1491\ HRP_{BB4})$$

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 October 1997 - March 1998 period?

A. Yes. The availability and heat rate targets for each unit are listed on attachment "A" to this testimony entitled "Tampa Electric Company GPIF Targets, October 1, 1997 - March 31, 1998".

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 October 1997 - March 1998 period.

Q. Does this conclude your testimony?

A. Yes.

ATTACHMENT "A"
June 23, 1997

TAMPA ELECTRIC COMPANY
GPIF TARGETS
October 1, 1997 - March 31, 1998

	Availability			Heat Rate
Unit	EAF	POF	EUOF	
Gannon 5	77.3	11.5	11.1	10,378[1/]
Gannon 6	88.4	1.1	10.5	10,692[2/]
Big Bend 1	79.3	7.7	13.0	10,084[3/]
Big Bend 2	79.7	7.7	12.6	9,961[4/]
Big Bend 3	74.1	11.5	14.4	9,680[5/]
Big Bend 4	81.1	11.5	7.4	10,025[6/]

[1/] Original Sheet 7.401.97E, Pg. 13

[2/] Original Sheet 7.401.97E, Pg. 14

[3/] Original Sheet 7.401.97E, Pg. 15

[4/] Original Sheet 7.401.97E, Pg. 16

[5/] Original Sheet 7.401.97E, Pg. 17

[6/] Original Sheet 7.401.97E, Pg. 18

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
OCTOBER 1997 - MARCH 1998
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TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
REWARD / PENALTY TABLE - ESTIMATED
OCTOBER 1997 - MARCH 1998

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) ($000)	GENERATING PERFORMANCE INCENTIVE FACTOR ($000)
+10	4,133.5	2,066.8
+9	3,720.2	1,860.1
+8	3,306.8	1,653.4
+7	2,893.5	1,446.7
+6	2,480.1	1,240.1
+5	2,066.8	1,033.4
+4	1,653.4	826.7
+3	1,240.1	620.0
+2	826.7	413.4
+1	413.4	206.7
0	0	0.0
-1	(508.5)	(206.7)
-2	(1,017.0)	(413.4)
-3	(1,525.5)	(620.0)
-4	(2,034.0)	(826.7)
-5	(2,542.5)	(1,033.4)
-6	(3,050.9)	(1,240.1)
-7	(3,559.4)	(1,446.7)
-8	(4,067.9)	(1,653.4)
-9	(4,576.4)	(1,860.1)
-10	(5,084.9)	(2,066.8)

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
ESTIMATED
OCTOBER 1997 - MARCH 1998

Line 1	Beginning of period balance of common equity		$1,151,310,000
	End of month common equity:		
Line 2	Month of October	1997	$1,131,258,000
Line 3	Month of November	1997	$1,142,335,000
Line 4	Month of December	1997	$1,153,521,000
Line 5	Month of January	1998	$1,162,605,000
Line 6	Month of February	1998	$1,173,989,000
Line 7	Month of March	1998	$1,185,484,000
Line 8	(summation of line 1 through line 7 divided by 7)		$1,157,214,571
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)		$2,356,899
Line 12	Jurisdictional Sales		7134610 MWH
Line 13	Total Sales		7150418 MWH
Line 14	Jurisdictional Seperation Factor (Line 12 divided by line 13)		99.78%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (Line 11 times line 14)		$2,351,688

TAMPA ELECTRIC COMPANY

GPIF TARGET AND RANGE SUMMARY

OCTOBER 1997 - MARCH 1998

EQUIVALENT AVAILABILITY

PLANT/UNIT	WEIGHTING FACTOR (%)	EAF TARGET (%)	RANGE EAF MAX. (%)	RANGE MIN. (%)	MAX. FUEL SAVINGS ($000)	MAX. FUEL LOSS ($000)
GANNON 5	1.46%	77.3	80.1	71.7	60.3	(115.4)
GANNON 6	1.01%	88.4	90.6	84.2	41.8	(106.4)
BIG BEND 1	4.16%	79.3	82.3	73.3	172.1	(379.8)
BIG BEND 2	5.22%	79.7	82.6	73.9	215.7	(360.7)
BIG BEND 3	7.98%	74.1	77.6	67.3	330.0	(611.5)
BIG BEND 4	3.98%	81.1	83.2	77.1	164.6	(362.9)
GPIF SYSTEM	23.81%				984.5	(1,935.9)

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	7.40%	10378	69.1	9986	10770	306.0	(306.0)
GANNON 6	11.85%	10692	66.3	10299	11085	490.0	(490.0)
BIG BEND 1	10.67%	10084	80.9	9847	10321	441.0	(441.0)
BIG BEND 2	16.14%	9961	83.6	9616	10306	667.0	(667.0)
BIG BEND 3	15.22%	9680	91.6	9318	10042	629.0	(629.0)
BIG BEND 4	14.91%	10025	86.3	9710	10340	616.0	(616.0)
GPIF SYSTEM	76.19%					3,149.0	(3,149.0)

TAMPA ELECTRIC COMPANY

COMPARISON OF GPIF TARGETS VS. PRIOR PERIOD ACTUAL PERFORMANCE

AVAILABILITY

PLANT/UNIT	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD OCT 97 - MAR 98 POF	EUOF	EUOR	ACTUAL PERFORMANCE OCT 96 - MAR 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
BIG BEND 1	4.16%	17.5	7.7	13.0	14.1	9.3	15.6	17.2	0.0	15.2	15.2	0.0	12.6	12.6	0.2	11.1	11.1	7.7	7.6	8.2
BIG BEND 2	5.22%	21.9	7.7	12.6	13.6	8.8	11.5	12.6	0.0	12.8	12.8	0.0	14.5	14.5	0.0	11.4	11.4	29.7	11.0	15.6
BIG BEND 3	7.98%	33.5	11.5	14.4	16.2	0.0	16.5	16.5	0.7	15.7	15.8	10.4	13.9	15.5	21.3	15.7	19.9	0.0	12.6	12.6
BIG BEND 4	3.98%	16.7	11.5	7.4	8.3	11.9	5.5	6.2	0.0	7.3	7.3	11.0	4.6	5.2	0.0	7.6	7.6	18.8	10.0	12.3
GANNON 5	1.46%	6.1	11.5	11.1	12.6	13.8	22.3	25.9	4.7	12.2	12.8	31.0	8.6	12.5	0.0	8.5	8.5	4.0	5.6	5.8
GANNON 6	1.01%	4.2	1.1	10.5	10.6	9.5	11.4	12.6	30.1	5.2	7.4	3.9	11.2	11.7	5.0	7.2	7.6	5.6	9.8	10.4
	23.81%	99.9																		
GPIF SYSTEM WGTD AVG.			9.6	12.2	13.5	6.8	13.5	14.4	1.8	12.9	13.1	7.4	11.8	12.7	7.4	11.8	13.2	11.3	10.4	11.9
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY				78.2			79.7			85.3			80.8			80.8			78.1	

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	7.40%	9.7	10378	10636	10014	10095
GANNON 6	11.85%	15.6	10692	11025	10372	10436
BIG BEND 1	10.67%	14.0	10084	10104	10109	10007
BIG BEND 2	16.14%	21.2	9961	10144	10032	10130
BIG BEND 3	15.22%	20.0	9680	9883	9692	9758
BIG BEND 4	14.91%	19.6	10025	10107	9975	10074
	76.19%	100.0				
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)			10089	10264	10015	10078

TAMPA ELECTRIC COMPANY
DERIVATION OF WEIGHTING FACTORS
OCTOBER 1997 - MARCH 1998
PRODUCTION COSTING SIMULATION
FUEL COST ($000)

UNIT PERFORMANCE INDICATOR	AT TARGET	IMPROVEMENT	SAVINGS	WEIGHTING FACTOR (% OF SAVINGS)
EQUIVALENT AVAILABILITY				
EA_1 GANNON 5	114813.5	114753.2	60.3	1.46%
EA_2 GANNON 6	114813.5	114771.7	41.8	1.01%
EA_3 BIG BEND 1	114813.5	114641.4	172.1	4.16%
EA_4 BIG BEND 2	114813.5	114597.8	215.7	5.22%
EA_5 BIG BEND 3	114813.5	114483.5	330.0	7.98%
EA_6 BIG BEND 4	114813.5	114648.9	164.6	3.98%
HEAT RATE				
AHR_1 GANNON 5	114813.5	114507.5	306.0	7.40%
AHR_2 GANNON 6	114813.5	114323.5	490.0	11.85%
AHR_3 BIG BEND 1	114813.5	114372.5	441.0	10.67%
AHR_4 BIG BEND 2	114813.5	114146.5	667.0	16.14%
AHR_5 BIG BEND 3	114813.5	114184.5	629.0	15.22%
AHR_5 BIG BEND 4	114813.5	114197.5	616.0	14.91%
TOTAL SAVINGS			4133.5	100.00%

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

(2) All other unit performance indicators at target.

(3) Expressed in replacement energy cost.

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1997 - MARCH 1998

GANNON 5

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	60.3	80.1	+10	306.0	9986
+9	54.3	79.8	+9	275.4	10018
+8	48.2	79.5	+8	244.8	10049
+7	42.2	79.3	+7	214.2	10081
+6	36.2	79.0	+6	183.6	10113
+5	30.2	78.7	+5	153.0	10145
+4	24.1	78.4	+4	122.4	10176
+3	18.1	78.1	+3	91.8	10208
+2	12.1	77.9	+2	61.2	10240
+1	6.0	77.6	+1	30.6	10271
				0.0	10303
0	0.0	77.3	0	0.0	10378
				0.0	10453
-1	(11.5)	76.7	-1	(30.6)	10485
-2	(23.1)	76.2	-2	(61.2)	10516
-3	(34.6)	75.6	-3	(91.8)	10548
-4	(46.2)	75.1	-4	(122.4)	10580
-5	(57.7)	74.5	-5	(153.0)	10612
-6	(69.2)	73.9	-6	(183.6)	10643
-7	(80.8)	73.4	-7	(214.2)	10675
-8	(92.3)	72.8	-8	(244.8)	10707
-9	(103.9)	72.3	-9	(275.4)	10738
-10	(115.4)	71.7	-10	(306.0)	10770
	Weighting Factor =	1.46%		Weighting Factor =	7.40%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1997 - MARCH 1998

GANNON 6

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	41.8	90.6	+10	490.0	10299
+9	37.6	90.4	+9	441.0	10331
+8	33.4	90.2	+8	392.0	10363
+7	29.3	89.9	+7	343.0	10394
+6	25.1	89.7	+6	294.0	10426
+5	20.9	89.5	+5	245.0	10458
+4	16.7	89.3	+4	196.0	10490
+3	12.5	89.1	+3	147.0	10522
+2	8.4	88.8	+2	98.0	10553
+1	4.2	88.6	+1	49.0	10585
				0.0	10617
0	0.0	88.4	0	0.0	10692
				0.0	10767
-1	(10.6)	88.0	-1	(49.0)	10799
-2	(21.3)	87.6	-2	(98.0)	10831
-3	(31.9)	87.1	-3	(147.0)	10862
-4	(42.6)	86.7	-4	(196.0)	10894
-5	(53.2)	86.3	-5	(245.0)	10926
-6	(63.8)	85.9	-6	(294.0)	10958
-7	(74.5)	85.5	-7	(343.0)	10990
-8	(85.1)	85.0	-8	(392.0)	11021
-9	(95.8)	84.6	-9	(441.0)	11053
-10	(106.4)	84.2	-10	(490.0)	11085
	Weighting Factor =	1.01%		Weighting Factor =	11.85%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1997 - MARCH 1998

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	172.1	82.3	+10	441.0	9847
+9	154.9	82.0	+9	396.9	9863
+8	137.7	81.7	+8	352.8	9879
+7	120.5	81.4	+7	308.7	9896
+6	103.3	81.1	+6	264.6	9912
+5	86.1	80.8	+5	220.5	9928
+4	68.8	80.5	+4	176.4	9944
+3	51.6	80.2	+3	132.3	9960
+2	34.4	79.9	+2	88.2	9977
+1	17.2	79.6	+1	44.1	9993
				0.0	10009
0	0.0	79.3	0	0.0	10084
				0.0	10159
-1	(37.9)	78.7	-1	(44.1)	10175
-2	(75.8)	78.1	-2	(88.2)	10191
-3	(113.7)	77.5	-3	(132.3)	10208
-4	(151.6)	76.9	-4	(176.4)	10224
-5	(189.5)	76.3	-5	(220.5)	10240
-6	(227.4)	75.7	-6	(264.6)	10256
-7	(265.3)	75.1	-7	(308.7)	10272
-8	(303.2)	74.5	-8	(352.8)	10289
-9	(341.1)	73.9	-9	(396.9)	10305
-10	(379.0)	73.3	-10	(441.0)	10321
	Weighting Factor =	4.16%		Weighting Factor =	10.67%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1997 - MARCH 1998

BIG BEND 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	215.7	82.6	+10	667.0	9616
+9	194.1	82.3	+9	600.3	9643
+8	172.6	82.0	+8	533.6	9670
+7	151.0	81.7	+7	466.9	9697
+6	129.4	81.4	+6	400.2	9724
+5	107.9	81.2	+5	333.5	9751
+4	86.3	80.9	+4	266.8	9778
+3	64.7	80.6	+3	200.1	9805
+2	43.1	80.3	+2	133.4	9832
+1	21.6	80.0	+1	66.7	9859
				0.0	9886
0	0.0	79.7	0	0.0	9961
				0.0	10036
-1	(36.1)	79.1	-1	(66.7)	10063
-2	(72.1)	78.5	-2	(133.4)	10090
-3	(108.2)	78.0	-3	(200.1)	10117
-4	(144.3)	77.4	-4	(266.8)	10144
-5	(180.4)	76.8	-5	(333.5)	10171
-6	(216.4)	76.2	-6	(400.2)	10198
-7	(252.5)	75.6	-7	(466.9)	10225
-8	(288.6)	75.1	-8	(533.6)	10252
-9	(324.6)	74.5	-9	(600.3)	10279
-10	(360.7)	73.9	-10	(667.0)	10306
	Weighting Factor =	5.22%		Weighting Factor =	16.14%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1997 - MARCH 1998

BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	330.0	77.6	+10	629.0	9318
+9	297.0	77.3	+9	566.1	9347
+8	264.0	76.9	+8	503.2	9375
+7	231.0	76.6	+7	440.3	9404
+6	198.0	76.2	+6	377.4	9433
+5	165.0	75.9	+5	314.5	9462
+4	132.0	75.5	+4	251.6	9490
+3	99.0	75.2	+3	188.7	9519
+2	66.0	74.8	+2	125.8	9548
+1	33.0	74.5	+1	62.9	9576
				0.0	9605
0	0.0	74.1	0	0.0	9680
				0.0	9755
-1	(61.2)	73.4	-1	(62.9)	9784
-2	(122.3)	72.7	-2	(125.8)	9812
-3	(183.5)	72.1	-3	(188.7)	9841
-4	(244.6)	71.4	-4	(251.6)	9870
-5	(305.8)	70.7	-5	(314.5)	9899
-6	(366.9)	70.0	-6	(377.4)	9927
-7	(428.1)	69.3	-7	(440.3)	9956
-8	(489.2)	68.7	-8	(503.2)	9985
-9	(550.4)	68.0	-9	(566.1)	10013
-10	(611.5)	67.3	-10	(629.0)	10042
	Weighting Factor =	7.98%		Weighting Factor =	15.22%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

OCTOBER 1997 - MARCH 1998

BIG BEND 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) ($ X 1000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	164.6	83.2	+10	616.0	9710
+9	148.1	83.0	+9	554.4	9734
+8	131.7	82.8	+8	492.8	9758
+7	115.2	82.6	+7	431.2	9782
+6	98.8	82.4	+6	369.6	9806
+5	82.3	82.2	+5	308.0	9830
+4	65.8	81.9	+4	246.4	9854
+3	49.4	81.7	+3	184.8	9878
+2	32.9	81.5	+2	123.2	9902
+1	16.5	81.3	+1	61.6	9926
				0.0	9950
0	0.0	81.1	0	0.0	10025
				0.0	10100
-1	36.3	80.7	-1	(61.6)	10124
-2	72.6	80.3	-2	(123.2)	10148
-3	108.9	79.9	-3	(184.8)	10172
-4	145.2	79.5	-4	(246.4)	10196
-5	181.5	79.1	-5	(308.0)	10220
-6	217.7	78.7	-6	(369.6)	10244
-7	254.0	78.3	-7	(431.2)	10268
-8	290.3	77.9	-8	(492.8)	10292
-9	326.6	77.5	-9	(554.4)	10316
-10	362.9	77.1	-10	(616.0)	10340
	Weighting Factor =	3.98%		Weighting Factor =	14.91%

TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

OCTOBER 1997 - MARCH 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
GANNON 5	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	87.4	87.4	47.8	87.5	65.6	87.5	77.3
2. POF	0.0	0.0	45.2	0.0	25.0	0.0	11.5
3. EUOF	12.6	12.6	7.0	12.5	9.4	12.5	11.1
4. EUOR	12.6	12.6	12.7	12.5	12.5	12.5	12.6
5. PH	745	720	744	744	672	744	4369
6. SH	686	664	376	686	465	686	3563
7. RSH	0	0	0	0	0	0	0
8. UH	59	56	368	58	207	58	806
9. POH	0	0	336	0	168	0	504
10. FOH & EFOH	75	72	41	74	50	74	386
11. MOH & EMOH	19	19	11	19	13	19	100
12. OPER BTU (GBTU)	1242.838	1094.813	526.659	1061.106	794.362	1209.090	5928.868
13. NET GEN (MWH)	118451	105715	50518	102485	77091	117024	571284
14. ANOHR (BTU/KWH)	10492	10356	10425	10354	10304	10332	10378
15. NOF (%)	74.4	68.6	57.9	64.4	71.5	73.5	69.1
16. NSC (MW)	232	232	232	232	232	232	232
17. ANOHR EQUATION	ANOHR = NOF(-18.7056) + 11670.7						

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

OCTOBER 1997 - MARCH 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF	PERIOD
GANNON 6	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	89.4	89.4	89.4	89.4	89.4	83.6	88.4
2. POF	0.0	0.0	0.0	0.0	0.0	6.5	1.1
3. EUOF	10.6	10.6	10.6	10.6	10.6	9.9	10.5
4. EUOR	10.6	10.6	10.6	10.6	10.6	10.6	10.6
5. PH	745	720	744	744	672	744	4369
6. SH	679	657	679	679	613	634	3941
7. RSH	0	0	0	0	0	0	0
8. UH	66	63	65	65	59	110	428
9. POH	0	0	0	0	0	48	48
10. FOH & EFOH	41	40	41	41	37	38	238
11. MOH & EMOH	38	37	38	38	34	36	220
12. OPER BTU (GBTU)	2121.245	1851.908	1514.267	1713.180	1804.019	1944.876	10949.495
13. NET GEN (MWH)	198290	173663	139359	159517	169997	183212	1024038
14. ANOHR (BTU/KWH)	0	10664	10866	10740	10612	10615	10692
15. NOF (%)	0.0	67.4	52.4	59.9	70.7	73.7	66.3
16. NSC (MW)	392	392	392	392	392	392	392

17. ANOHR EQUATION ANOHR = NOF(-18.7199) + 11933.6

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ESTIMATED UNIT PERFORMANCE DATA

OCTOBER 1997 - MARCH 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF	PERIOD
BIG BEND 1	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	85.9	86.0	85.9	85.9	85.9	47.2	79.3
2. POF	0.0	0.0	0.0	0.0	0.0	45.2	7.7
3. EUOF	14.1	14.0	14.1	14.1	14.1	7.7	13.0
4. EUOR	14.1	14.0	14.1	14.1	14.1	14.0	14.1
5. PH	745	720	744	744	672	744	4369
6. SH	674	652	674	674	609	369	3652
7. RSH	0	0	0	0	0	0	0
8. UH	71	68	70	70	63	375	717
9. POH	0	0	0	0	0	336	336
10. FOH & EFOH	74	71	74	74	67	40	400
11. MOH & EMOH	31	30	31	31	28	17	168
12. OPER BTU (GBTU)	2565.223	2337.527	2239.249	2218.309	2117.911	1369.595	12847.814
13. NET GEN (MWH)	252431	232453	222867	219780	210388	136175	1274094
14. ANOHR (BTU/KWH)	0	10056	10047	10093	10067	10058	10084
15. NOF (%)	0.0	82.7	76.7	75.7	80.2	85.6	80.9
16. NSC (MW)	431	431	431	431	431	431	431
17. ANOHR EQUATION	ANOHR = NOF(-22.4860) + 11903.0						

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

OCTOBER 1997 - MARCH 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 2	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	47.4	86.4	86.4	86.4	86.3	86.4	79.7
2. POF	45.1	0.0	0.0	0.0	0.0	0.0	7.7
3. EUOF	7.5	13.6	13.6	13.6	13.7	13.6	12.6
4. EUOR	13.7	13.6	13.6	13.6	13.7	13.6	13.6
5. PH	745	720	744	744	672	744	4369
6. SH	370	652	674	674	609	674	3653
7. RSH	0	0	0	0	0	0	0
8. UH	375	68	70	70	63	70	716
9. POH	336	0	0	0	0	0	336
10. FOH & EFOH	36	63	65	65	59	65	353
11. MOH & EMOH	20	35	36	36	33	36	196
12. OPER BTU (GBTU)	1427.774	2434.167	2252.173	2259.391	2174.097	2560.989	13108.591
13. NET GEN (MWH)	143978	245249	224721	225778	217925	258310	1315961
14. ANOHR (BTU/KWH)	9917	9925	10022	10007	9976	9914	9961
15. NOF (%)	90.3	87.3	77.4	77.7	83.0	88.9	83.6
16. NSC (MW)	431	431	431	431	431	431	431
17. ANOHR EQUATION	ANOHR = NOF(-18.2305) + 11485.3						

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

OCTOBER 1997 - MARCH 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 3 GPIF	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	83.8	25.1	83.7	83.7	83.8	83.7	74.1
2. POF	0.0	70.0	0.0	0.0	0.0	0.0	11.5
3. EUOF	16.2	4.9	16.3	16.3	16.2	16.3	14.4
4. EUOR	16.2	16.2	16.3	16.3	16.2	16.3	16.2
5. PH	745	720	744	744	672	744	4369
6. SH	652	189	652	652	589	652	3386
7. RSH	0	0	0	0	0	0	0
8. UH	93	531	92	92	83	92	983
9. POH	0	504	0	0	0	0	504
10. FOH & EFOH	91	26	91	91	82	91	472
11. MOH & EMOH	30	9	30	30	27	30	156
12. OPER BTU (GBTU)	2615.404	749.060	2410.854	2464.943	2317.230	2626.272	13183.763
13. NET GEN (MWH)	264424	76278	249117	257644	242699	271742	1361904
14. ANOHR (BTU/KWH)	9891	9820	9678	9567	9548	9665	9680
15. NOF (%)	92.4	91.9	87.0	90.0	93.9	94.9	91.6
16. NSC (MW)	439	439	439	439	439	439	439

17. ANOHR EQUATION ANOHR = NOF(-17.9962) + 11328.8

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

OCTOBER 1997 - MARCH 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 4	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	91.7	91.7	91.7	91.7	72.0	47.3	81.1
2. POF	0.0	0.0	0.0	0.0	21.4	48.4	11.5
3. EUOF	8.3	8.3	8.3	8.3	6.5	4.3	7.4
4. EUOR	8.3	8.3	8.3	8.3	8.3	8.3	8.3
5. PH	745	720	744	744	672	744	4369
6. SH	710	687	710	710	504	367	3688
7. RSH	0	0	0	0	0	0	0
8. UH	35	33	34	34	168	377	681
9. POH	0	0	0	0	144	360	504
10. FOH & EFOH	32	31	32	32	23	17	167
11. MOH & EMOH	30	29	30	30	21	15	155
12. OPER BTU (GBTU)	2841.278	2654.026	2601.190	2666.688	1363.029	1512.064	14258.275
13. NET GEN (MWH)	283387	264023	258994	266049	136553	151297	1422303
14. ANOHR (BTU/KWH)	10026	10052	10043	10023	9987	9994	10025
15. NOF (%)	89.3	86.0	81.6	83.8	88.1	92.2	86.3
16. NSC (MW)	447	447	447	447	447	447	447
17. ANOHR EQUATION	ANOHR = NOF(-6.9608) + 10625.5						

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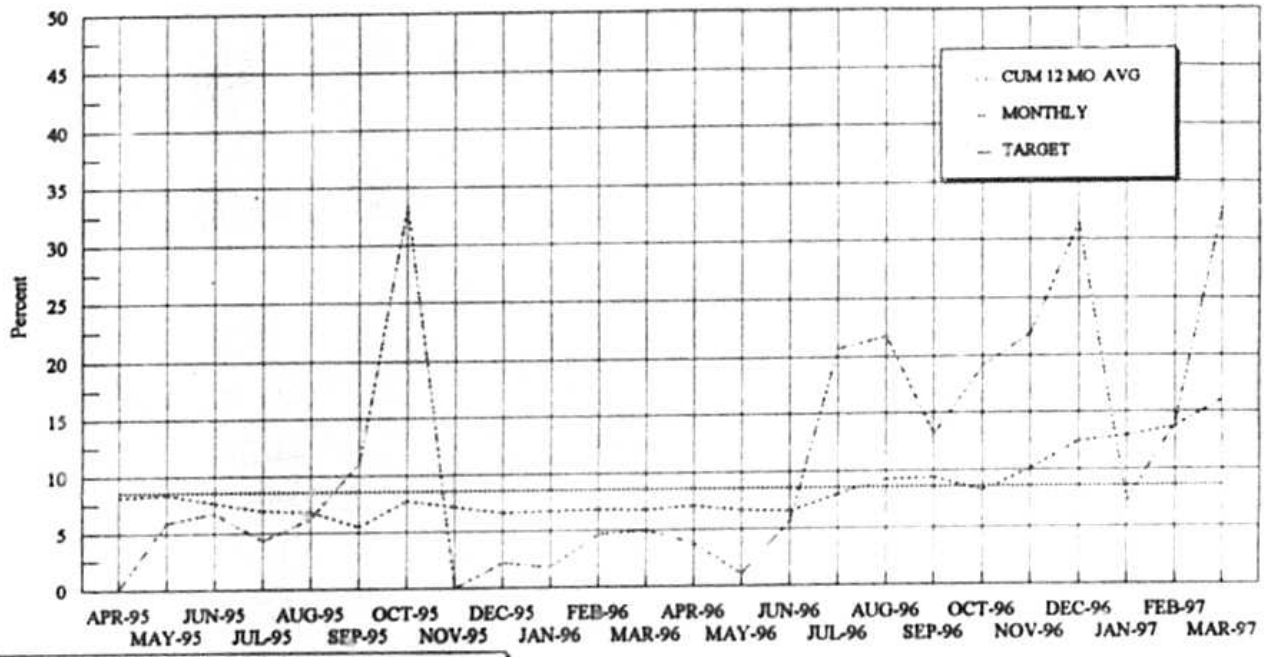
TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ESTIMATED)
GPIF UNITS
OCTOBER 1997 - MARCH 1998

PLANT / UNIT		PLANNED OUTAGE DATES	OUTAGE DISCRIPTION
+	BIG BEND 1	MAR 16 - MAY 29	ANNUAL MAINT. OUTAGE
+	BIG BEND 2	OCT 14 - OCT 27	ANNUAL MAINT. OUTAGE
+	BIG BEND 3	NOV 01 - NOV 21	ANNUAL MAINT. OUTAGE
+	BIG BEND 4	FEB 23 - MAR 15	ANNUAL MAINT. OUTAGE
+	GANNON 5	DEC 01 - DEC 14	FUEL SYSTEM CLEAN-UP
+	GANNON 5	FEB 16 - FEB 22	FUEL SYSTEM CLEAN-UP
+ *	GANNON 6	MAR 30 - APR 19	FUEL SYSTEM CLEAN-UP

* OUTAGE START / END DATE OUT OF GPIF PERIOD
\+ CPM WAS NOT INCLUDED FOR THIS UNIT, OUTAGE IS LESS THAN 3 WEEKS

Tampa Electric Company

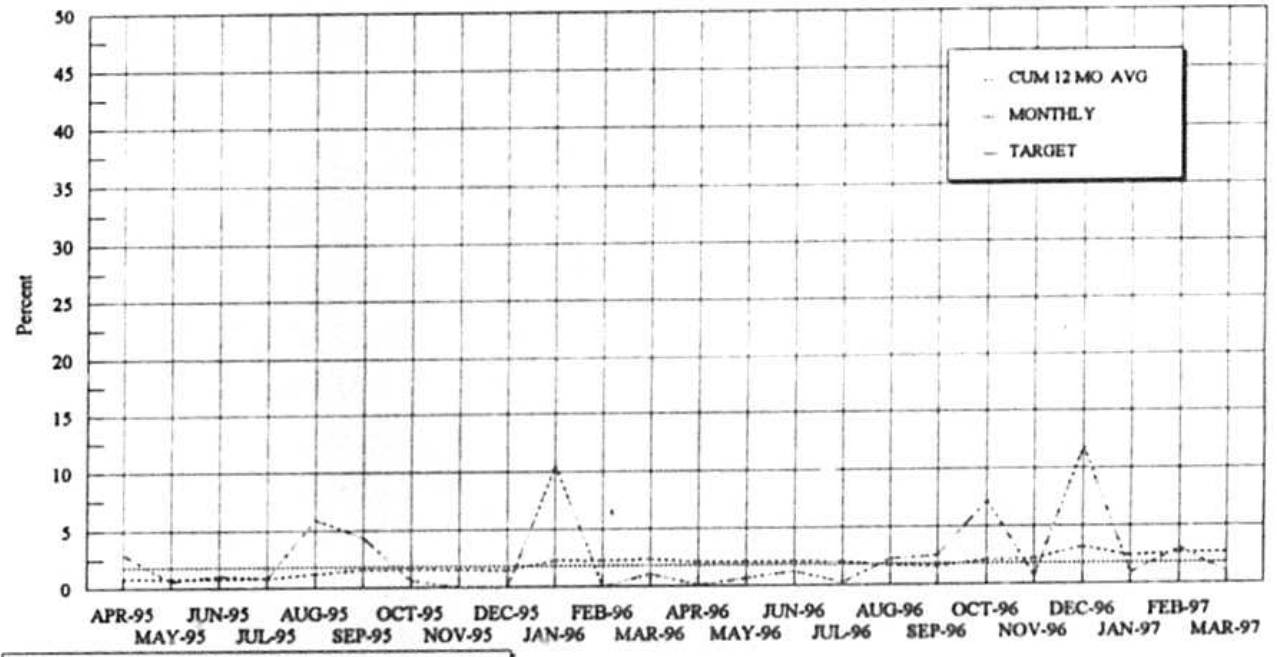
GANNON UNIT #5 EFOF



EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

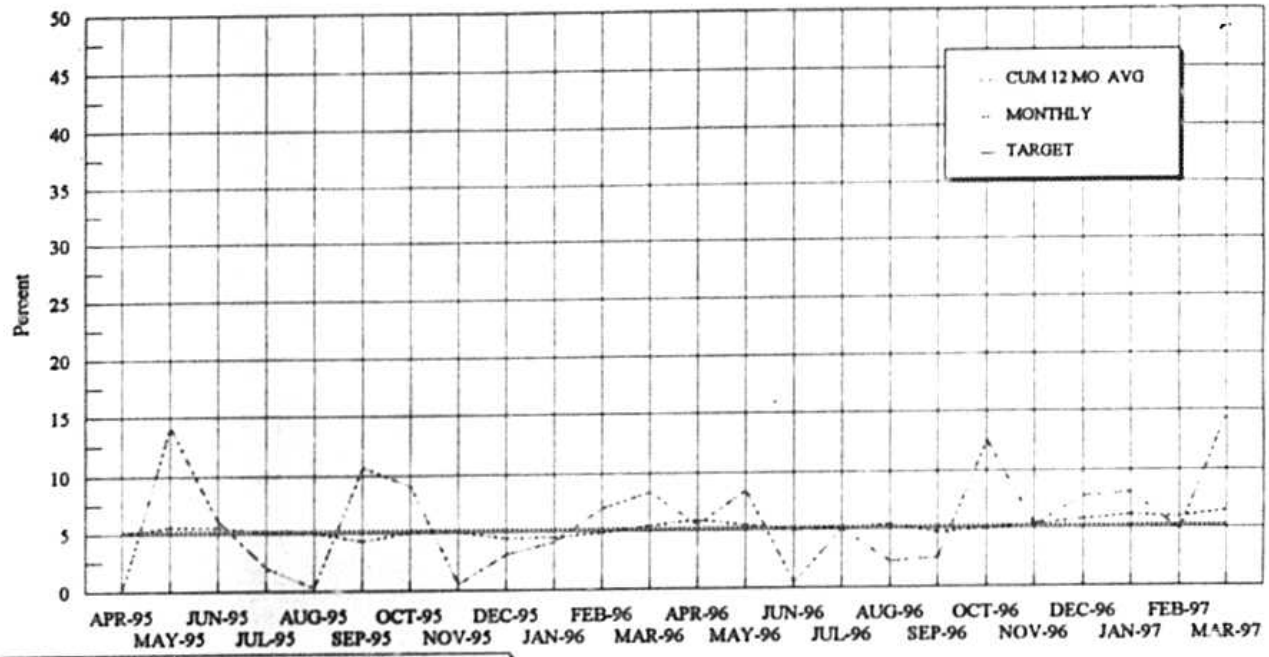
Tampa Electric Company

GANNON UNIT #5 EMOF



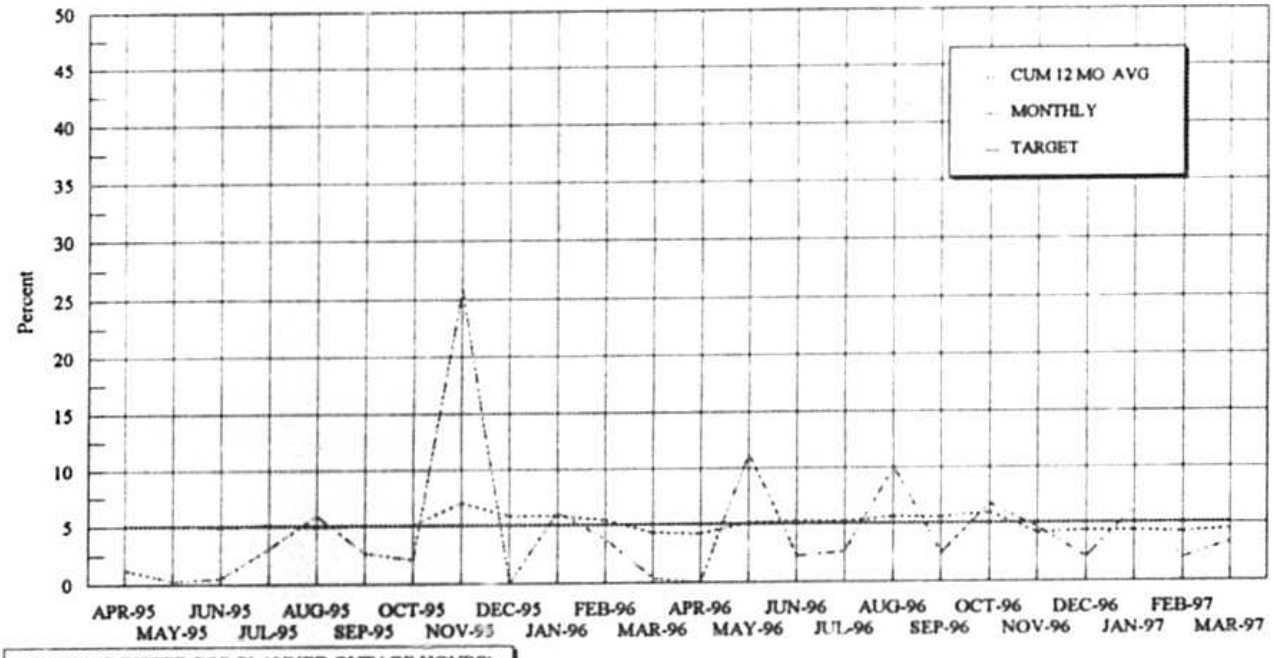
EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company
GANNON UNIT #6 EFOF



EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

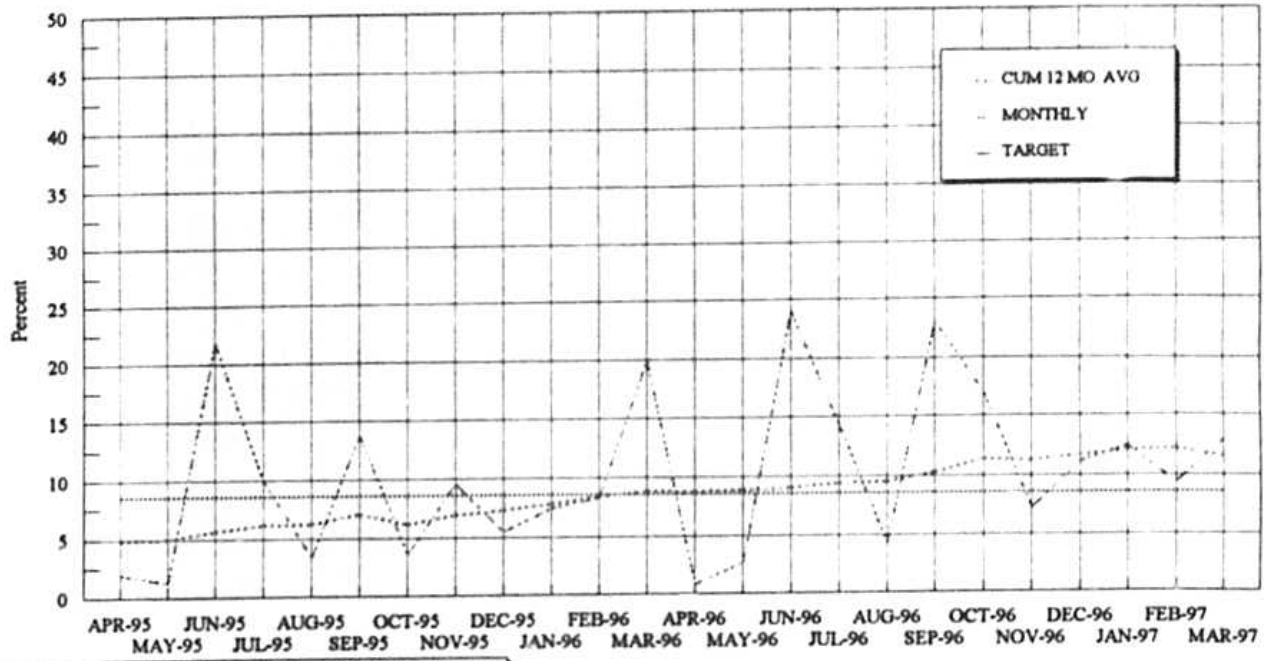
Tampa Electric Company
GANNON UNIT #6 EMOF



EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

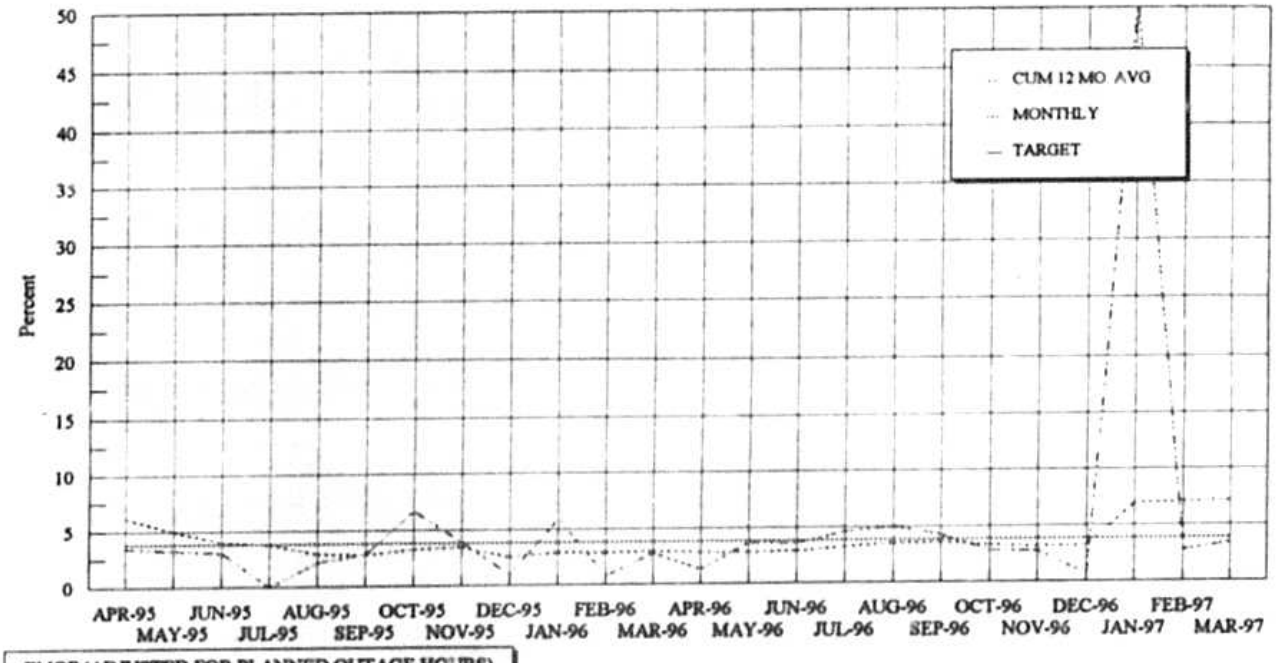
BIG BEND UNIT #1 EFOF



EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

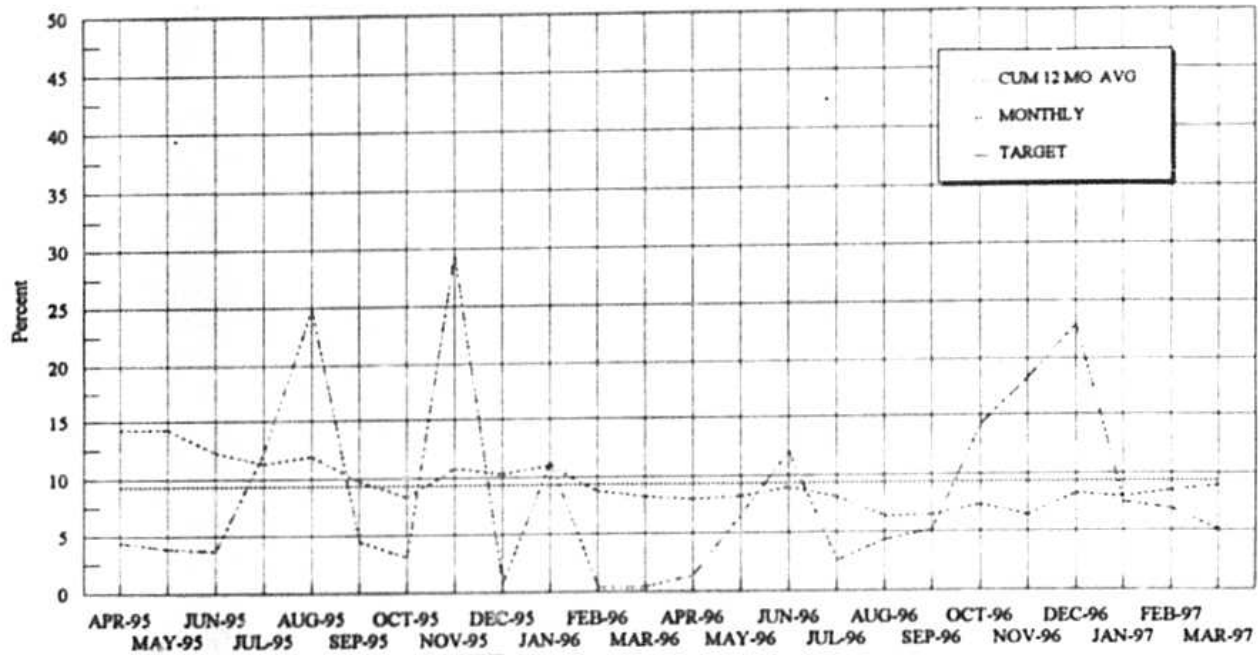
BIG BEND UNIT #1 EMOF



EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

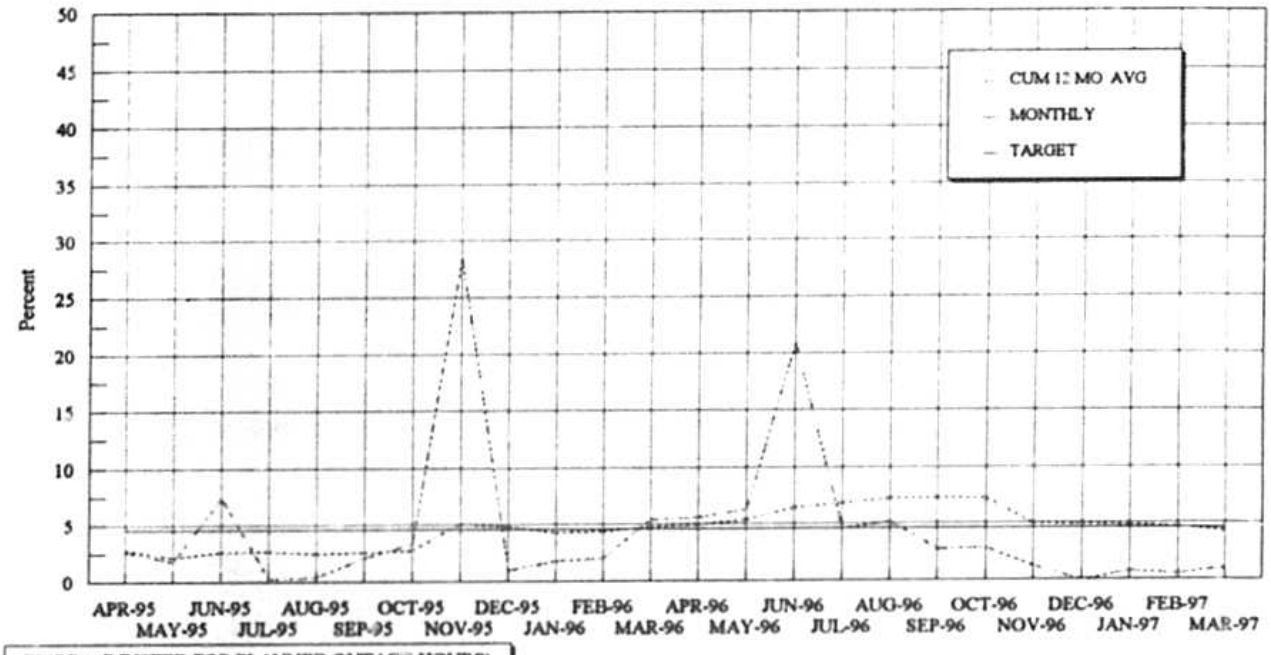
BIG BEND UNIT #2 EFOF



EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

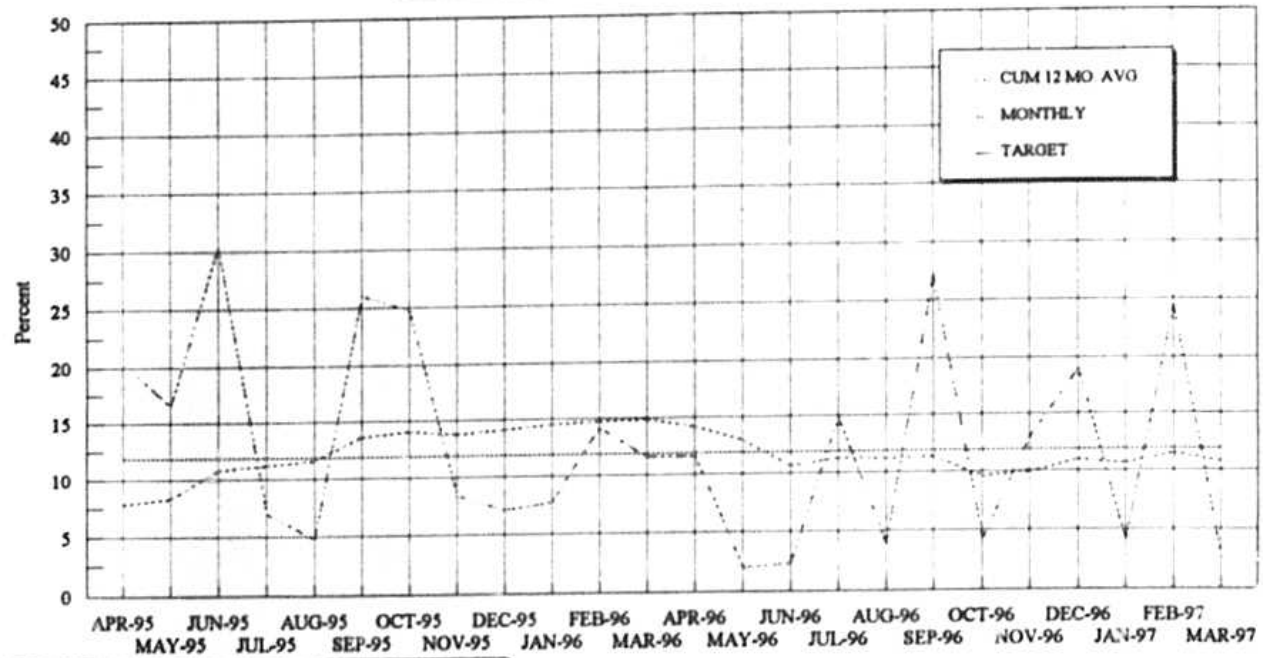
BIG BEND UNIT #2 EMOF



EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

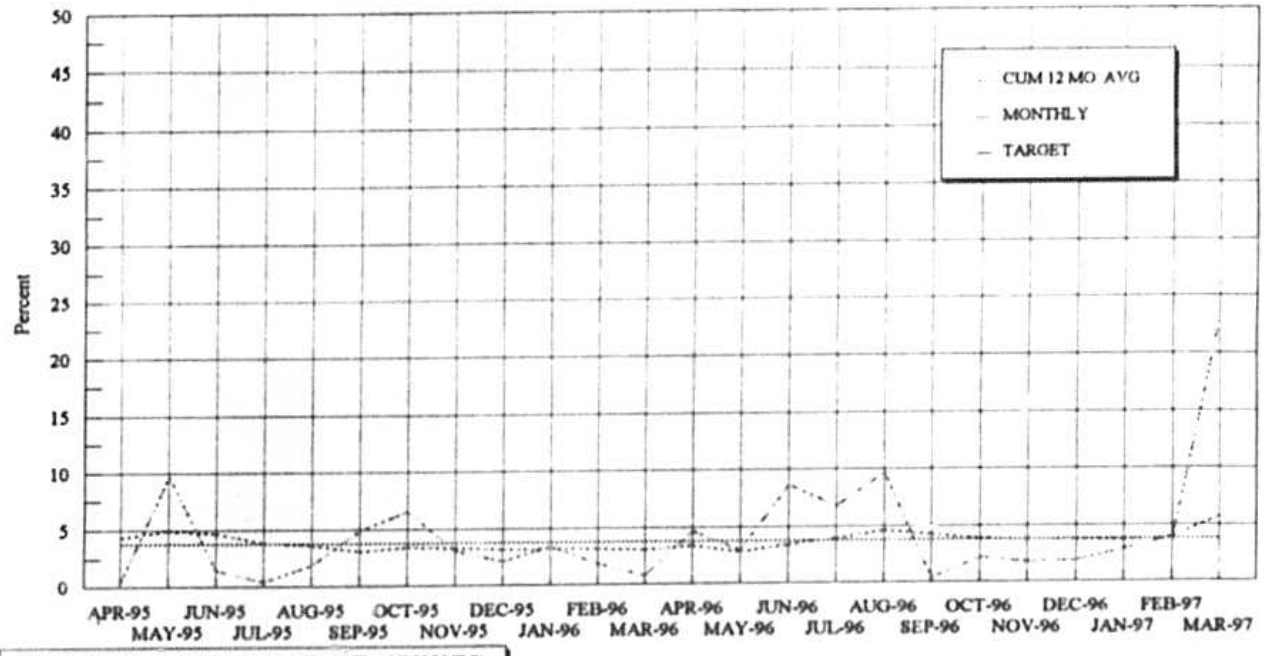
BIG BEND UNIT #3 EFOF



EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

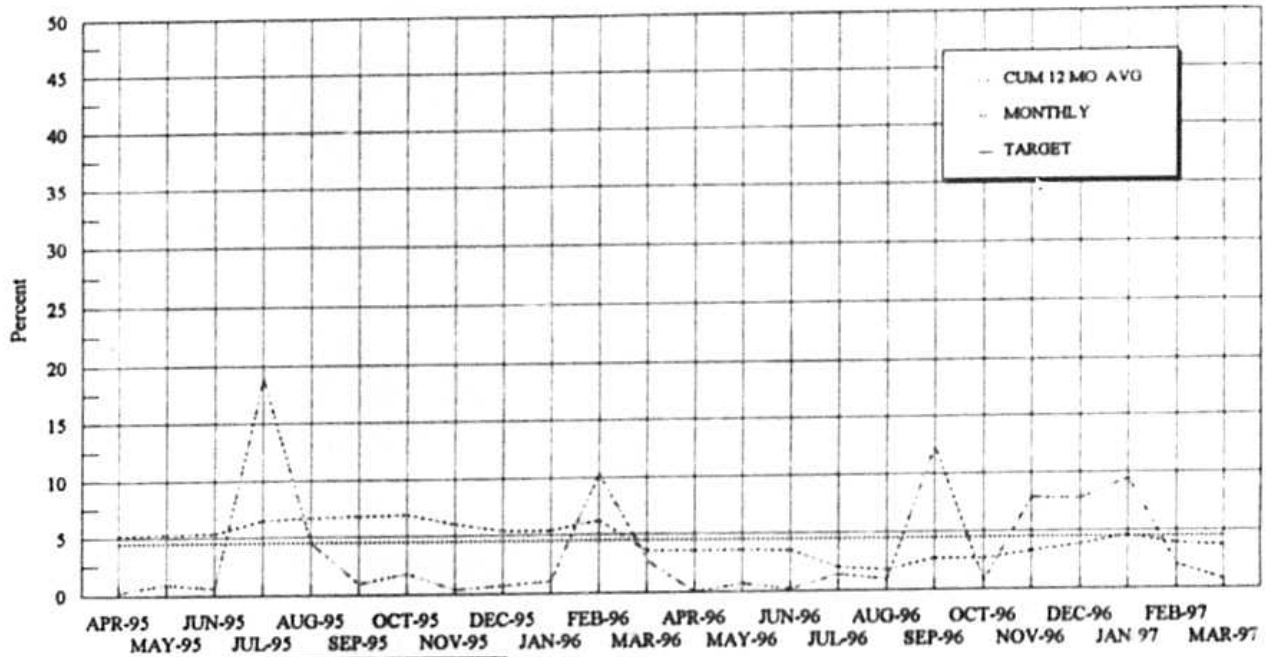
BIG BEND UNIT #3 EMOF



EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

Tampa Electric Company

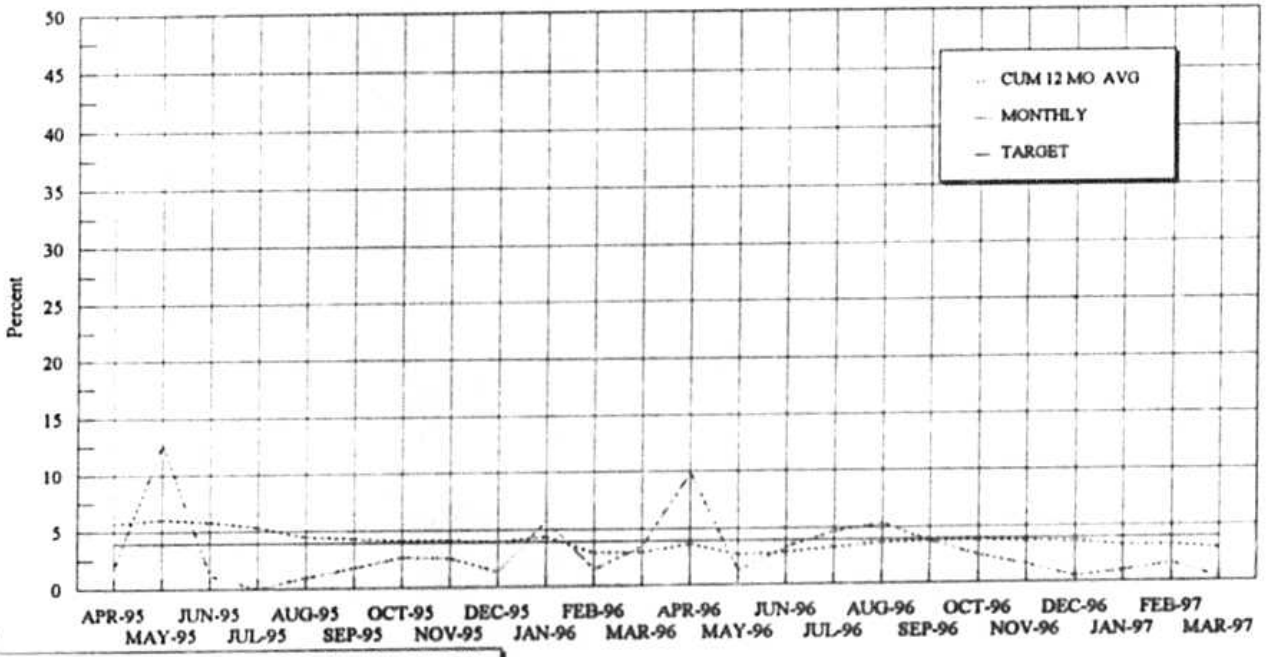
BIG BEND UNIT #4 EFOF



EFOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

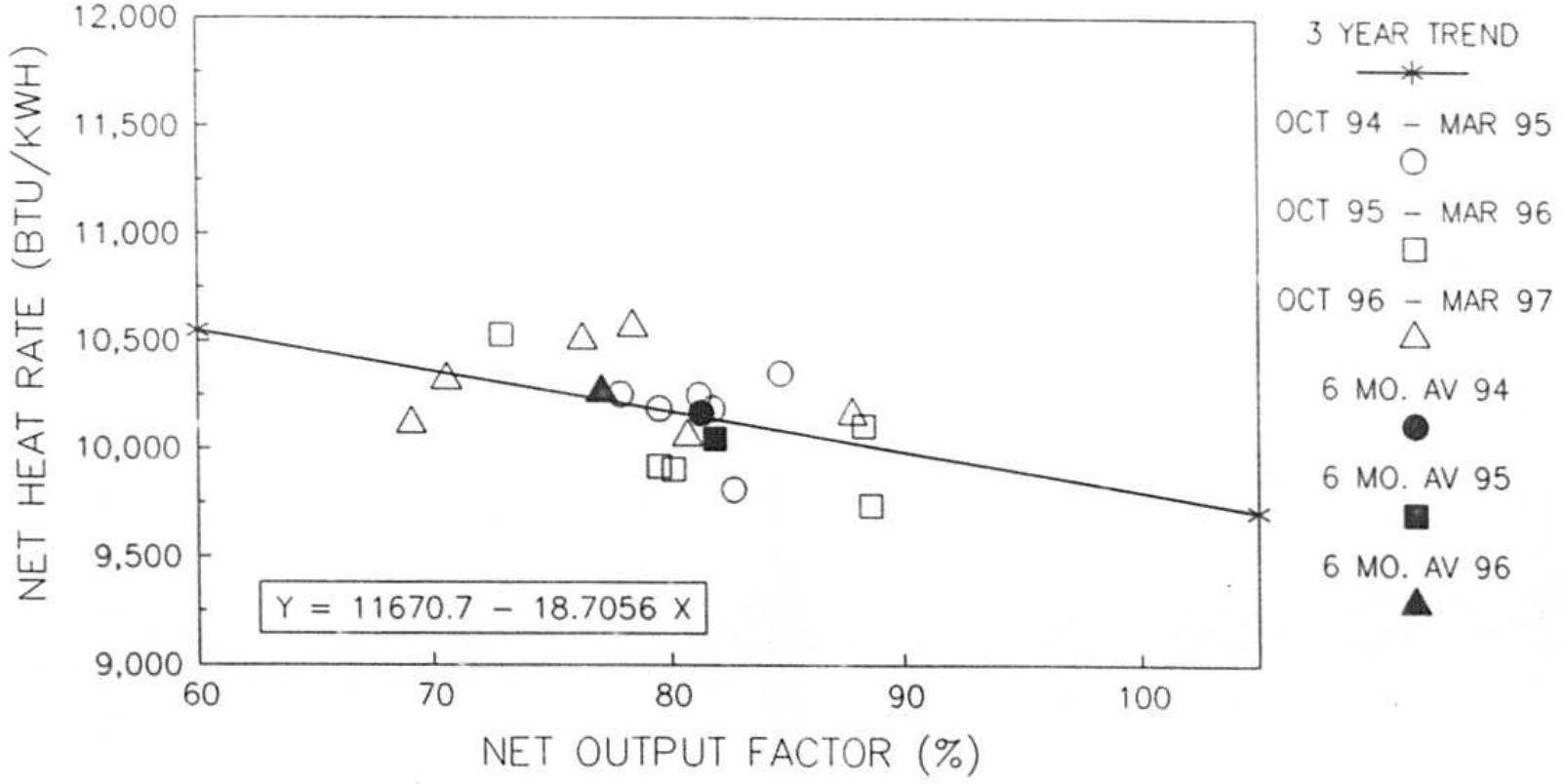
Tampa Electric Company

BIG BEND UNIT #4 EMOF



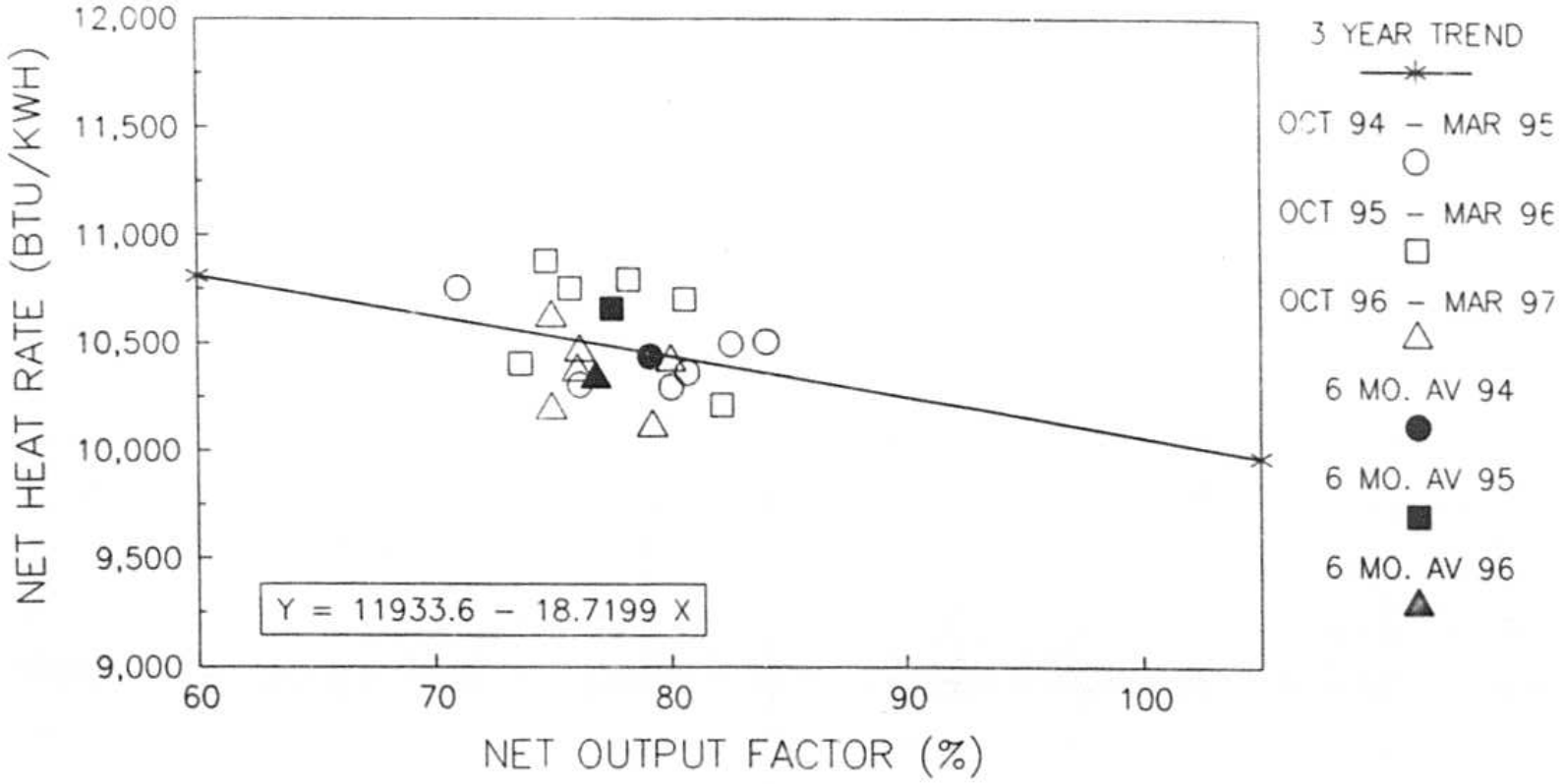
EMOF (ADJUSTED FOR PLANNED OUTAGE HOURS)

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



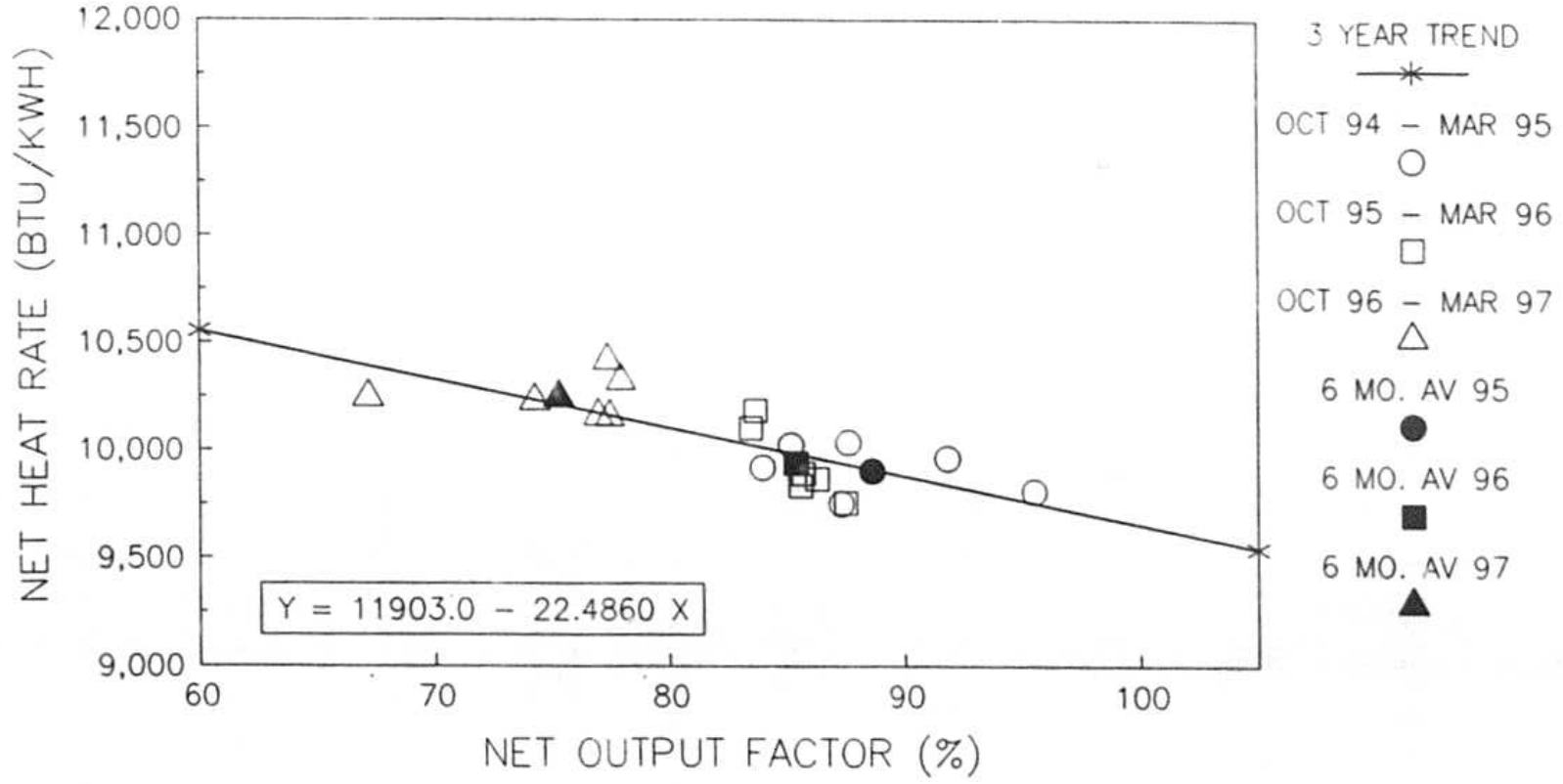
TARGET NET HEAT RATE: 10378
TARGET NET OUTPUT FACTOR: 69.1%

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



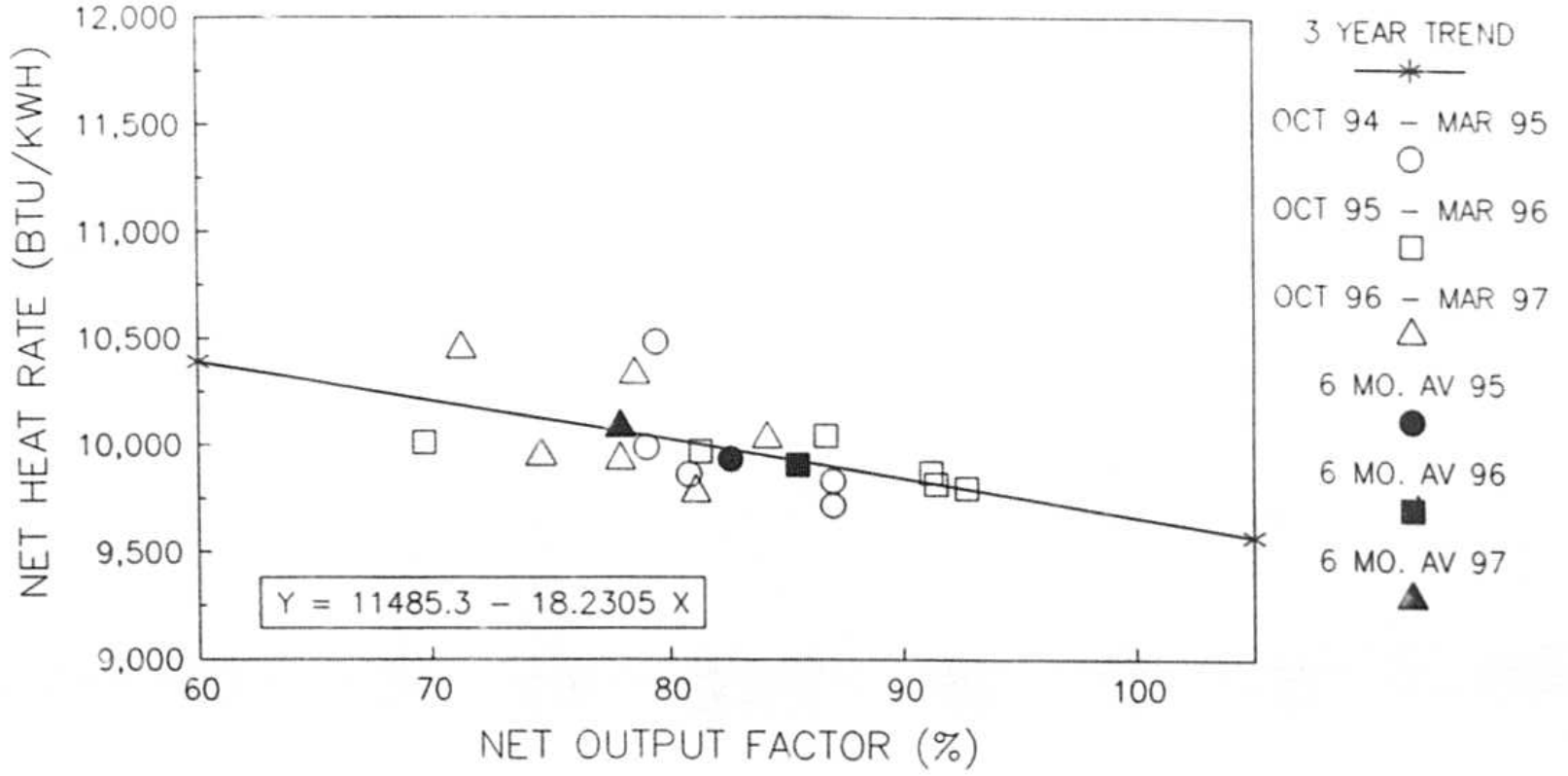
TARGET NET HEAT RATE: 10692
TARGET NET OUTPUT FACTOR: 66.3%

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



TARGET NET HEAT RATE: 10084
TARGET NET OUTPUT FACTOR: 80.9%

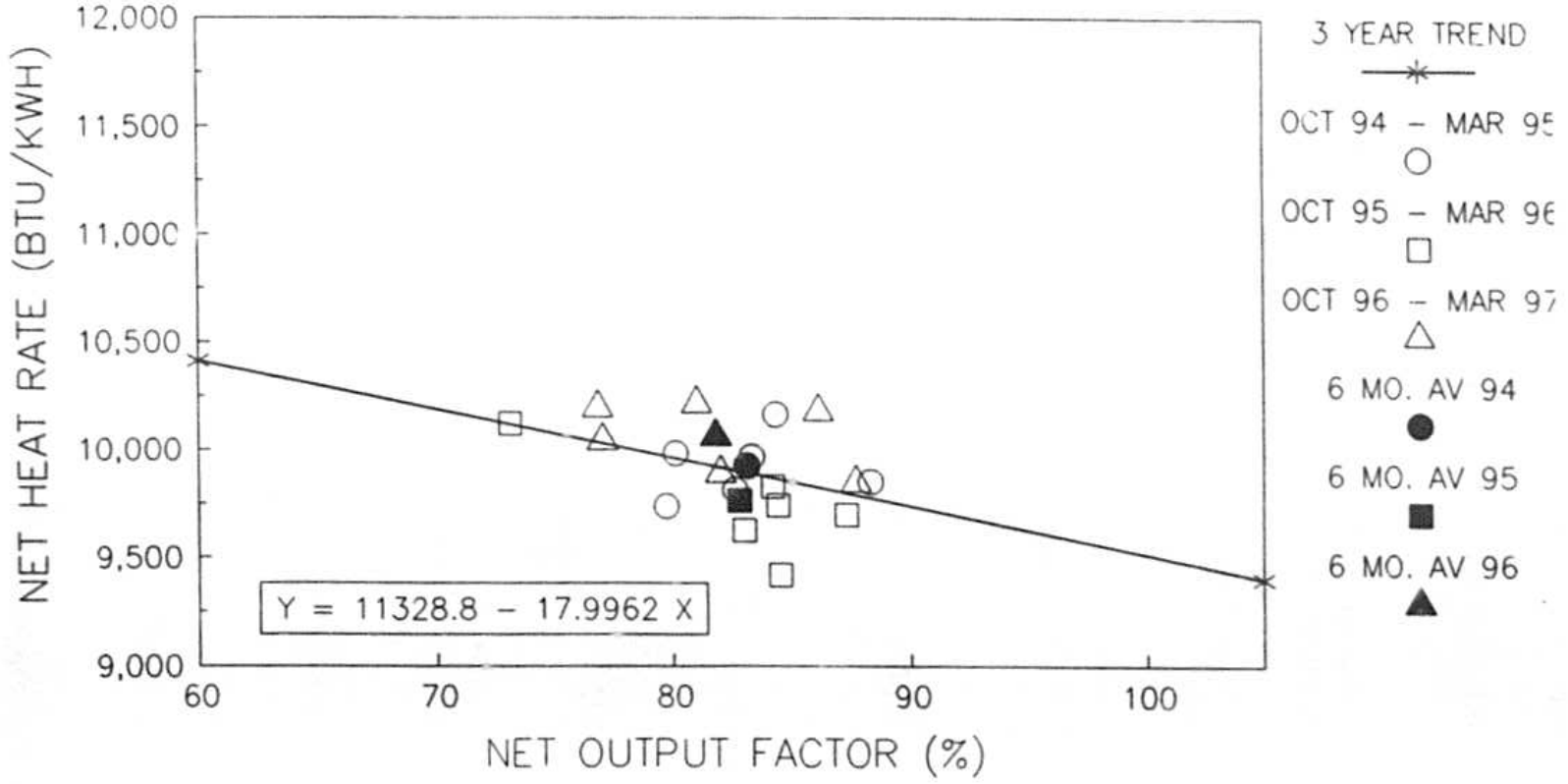
TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
BIG BEND 2, WINTER 1997



TARGET NET HEAT RATE: 9961
TARGET NET OUTPUT FACTOR: 83.6%

ORGINAL SHEET NO. 7.401.97E
PAGE 29 OF 34

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



TARGET NET HEAT RATE: 9680
TARGET NET OUTPUT FACTOR: 91.6%

ORIGINAL SHEET NO. 7.401.97E
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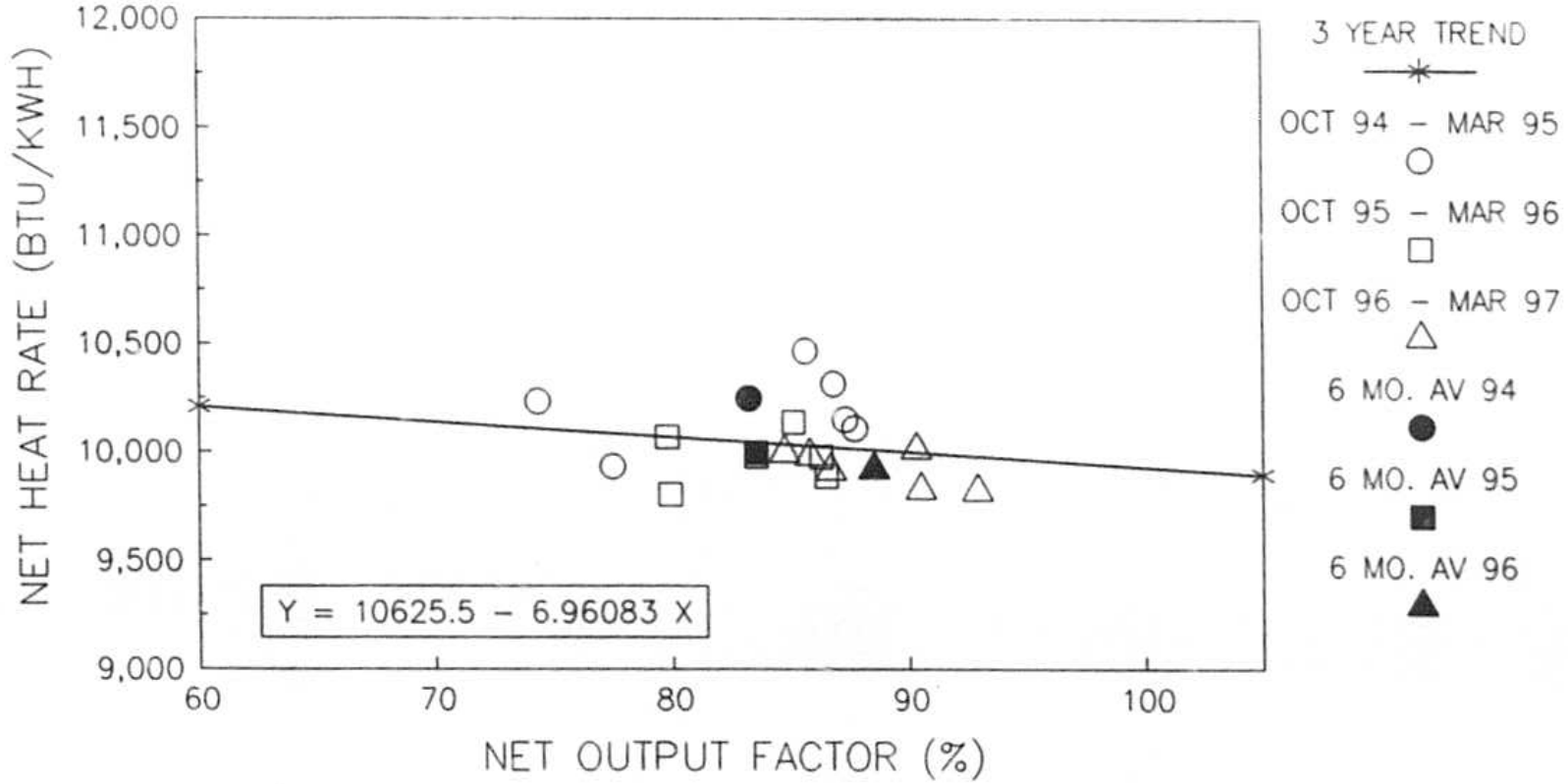
TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
BIG BEND 4, WINTER 1997



TARGET NET HEAT RATE: 10025
TARGET NET OUTPUT FACTOR: 86.3%

TAMPA ELECTRIC COMPANY
TABLE 4.2
GENERATING UNITS IN GPIF
OCTOBER 1997 - MARCH 1998

UNIT		MDC GROSS (MW)	NDC NET (MW)
GANNON 5		245	232
GANNON 6		405	392
BIG BEND 1		445	431
BIG BEND 2		445	431
BIG BEND 3		455	439
BIG BEND 4		475	447
	TOTAL	2470	2372
	SYSTEM TOTAL	3871	3653
	% OF SYSTEM TOTAL	63.81%	64.93%

TAMPA ELECTRIC COMPANY
UNITS RATINGS
OCTOBER 1997 - MARCH 1998

UNIT		MDC GROSS (MW)	NDC NET (MW)
HOOKERS POINT 1		35	34
HOOKERS POINT 2		35	34
HOOKERS POINT 3		35	34
HOOKERS POINT 4		45	43
HOOKERS POINT 5		70	67
	HOOKERS TOTAL	220	212
GANNON 1		125	119
GANNON 2		125	118
GANNON 3		165	155
GANNON 4		200	189
GANNON 5		245	232
GANNON 6		405	392
	GANNON TOTAL	1265	1205
BIG BEND 1		445	431
BIG BEND 2		445	431
BIG BEND 3		455	439
BIG BEND 4		475	447
	BIG BEND TOTAL	1820	1748
GANNON CT		17	17
BIG BEND CT1		17	17
BIG BEND CT2		85	85
BIG BEND CT3		85	85
	CT TOTAL	204	204
PHILLIPS 1		18	17
PHILLIPS 2		18	17
	PHILLIPS TOTAL	36	34
POLK		326	250
	POLK TOTAL	326	250
	SYSTEM TOTAL	3871	3653

TAMPA ELECTRIC COMPANY
PERCENT GENERATION BY UNIT
OCTOBER 1997 - MARCH 1998

STATION	UNIT	NET OUTPUT MWH	% OF PROJECTED OUTPUT	% CUMULATIVE PROJECTED OUTPUT
BIG BEND	4	1,422,303	16.04%	16.04%
BIG BEND	3	1,361,904	15.36%	31.41%
BIG BEND	2	1,315,961	14.84%	46.25%
BIG BEND	1	1,274,094	14.37%	60.62%
GANNON	6	1,024,038	11.55%	72.18%
POLK		722,717	8.15%	80.33%
GANNON	5	571,284	6.44%	86.77%
GANNON	4	389,093	4.39%	91.16%
GANNON	3	325,769	3.67%	94.84%
GANNON	1	221,634	2.50%	97.34%
GANNON	2	214,528	2.42%	99.76%
PHILLIPS	2	3,277	0.04%	99.80%
BIG BEND CT	2	3,224	0.04%	99.83%
HOOKERS POINT	5	3,141	0.04%	99.87%
BIG BEND CT	3	2,895	0.03%	99.90%
PHILLIPS	1	2,588	0.03%	99.93%
HOOKERS POINT	4	1,933	0.02%	99.95%
HOOKERS POINT	3	1,307	0.01%	99.97%
HOOKERS POINT	2	1,125	0.01%	99.98%
HOOKERS POINT	1	987	0.01%	99.99%
BIG BEND CT	1	499	0.01%	99.99%
GANNON CT	1	473	0.01%	100.00%
TOTAL GENERATION		8,664,774	100.00%	

GENERATION BY COAL UNITS:	8,643,325	MWH
% GENERATION BY COAL UNITS:	99.76%	
GENERATION BY OIL UNITS:	21,449	MWH
% GENERATION BY OIL UNITS:	0.17%	
GENERATION BY GPIF UNITS:	6,969,584	MWH
% GENERATION BY GPIF UNITS:	78.62%	

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
OCTOBER 1997 - MARCH 1998
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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

OCTOBER 1997 - MARCH 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 1	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	85.9	86.0	85.9	85.9	85.9	47.2	79.3
2. POF	0.0	0.0	0.0	0.0	0.0	45.2	7.7
3. EUOF	14.1	14.0	14.1	14.1	14.1	7.7	13.0
4. EUOR	14.1	14.0	14.1	14.1	14.1	14.0	14.1
5. PH	745	720	744	744	672	744	4369
6. SH	674	652	674	674	609	369	3652
7. RSH	0	0	0	0	0	0	0
8. UH	71	68	70	70	63	375	717
9. POH	0	0	0	0	0	336	336
10. FOH & EFOH	74	71	74	74	67	40	400
11. MOH & EMOH	31	30	31	31	28	17	168
12. OPER BTU (GBTU)	2565.223	2337.527	2239.249	2218.309	2117.911	1369.595	12847.814
13. NET GEN (MWH)	252431	232453	222867	219760	210388	136175	1274094
14. ANOHR (BTU/KWH)	0	10056	10047	10093	10067	10058	10084
15. NOF (%)	0.0	82.7	76.7	75.7	80.2	85.6	80.9
16. NSC (MW)	431	431	431	431	431	431	431
17. ANOHR EQUATION	ANOHR = NOF(-22.4860) + 11903.0						

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ESTIMATED UNIT PERFORMANCE DATA

OCTOBER 1997 - MARCH 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF	PERIOD
BIG BEND 2	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	47.4	86.4	86.4	86.4	86.3	86.4	79.7
2. POF	45.1	0.0	0.0	0.0	0.0	0.0	7.7
3. EUOF	7.5	13.6	13.6	13.6	13.7	13.6	12.6
4. EUOR	13.7	13.6	13.6	13.6	13.7	13.6	13.6
5. PH	745	720	744	744	672	744	4369
6. SH	370	652	674	674	609	674	3653
7. RSH	0	0	0	0	0	0	0
8. UH	375	68	70	70	63	70	716
9. POH	336	0	0	0	0	0	336
10. FOH & EFOH	36	63	65	65	59	65	353
11. MOH & EMOH	20	35	36	36	33	36	196
12. OPER BTU (GBTU)	1427.774	2434.167	2252.173	2259.391	2174.097	2560.989	13108.591
13. NET GEN (MWH)	143978	245249	224721	225778	217925	258310	1315961
14. ANOHR (BTU/KWH)	9917	9925	10022	10007	9976	9914	9961
15. NOF (%)	90.3	87.3	77.4	77.7	83.0	88.9	83.6
16. NSC (MW)	431	431	431	431	431	431	431
17. ANOHR EQUATION	ANOHR = NOF(-18.2305) + 11485.3						

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ESTIMATED UNIT PERFORMANCE DATA

OCTOBER 1997 - MARCH 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 3 FADJ	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	83.8	25.1	83.7	83.7	83.8	83.7	74.1
2. POF	0.0	70.0	0.0	0.0	0.0	0.0	11.5
3. EUOF	16.2	4.9	16.3	16.3	16.2	16.3	14.4
4. EUOR	16.2	16.2	16.3	16.3	16.2	16.3	16.2
5. PH	745	720	744	744	672	744	4369
6. SH	652	189	652	652	589	652	3386
7. RSH	0	0	0	0	0	0	0
8. UH	93	531	92	92	83	92	983
9. FOH	0	504	0	0	0	0	504
10. FOH & EFOH	91	26	91	91	82	91	472
11. MOH & EMOH	30	9	30	30	27	30	156
12. OPER BTU (GBTU)	2568.566	735.645	2367.679	2420.799	2275.732	2579.240	12947.661
13. NET GEN (MWH)	263923	75709	243893	249326	234580	265376	1332807
14. ANOHR (BTU/KWH)	9732	9717	9708	9709	9701	9719	9715
15. NOF (%)	92.2	91.2	85.2	87.1	90.7	92.7	89.7
16. NSC (MW)	439	439	439	439	439	439	439
17. ANOHR EQUATION	ANOHR = NOF(-17.9962) + 11328.8						

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

OCTOBER 1997 - MARCH 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 4	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	91.7	91.7	91.7	91.7	72.0	47.3	81.1
2. POF	0.0	0.0	0.0	0.0	21.4	48.4	11.5
3. EUOF	8.3	8.3	8.3	8.3	6.5	4.3	7.4
4. EUOR	8.3	8.3	8.3	8.3	8.3	8.3	8.3
5. PH	745	720	744	744	672	744	4369
6. SH	710	687	710	710	504	367	3688
7. RSH	0	0	0	0	0	0	0
8. UH	35	33	34	34	168	377	681
9. POH	0	0	0	0	144	360	504
10. FOH & EFOH	32	31	32	32	23	17	167
11. MOH & EMOH	30	29	30	30	21	15	155
12. OPER BTU (GBTU)	2641.278	2654.026	2601.190	2666.688	1983.029	1512.064	14258.275
13. NET GEN (MWH)	263387	264023	258994	266049	198553	151297	1422303
14. ANOHR (BTU/KWH)	10026	10052	10043	10023	9987	9994	10025
15. NOF (%)	89.3	86.0	81.6	83.8	88.1	92.2	86.3
16. NSC (MW)	447	447	447	447	447	447	447
17. ANOHR EQUATION	ANOHR = NOF(-6.9608) + 10625.5						

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

OCTOBER 1997 - MARCH 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
GANNON 1	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	49.8	85.7	85.6	85.6	85.7	85.6	79.5
2. POF	41.9	0.0	0.0	0.0	0.0	0.0	7.1
3. EUOF	8.3	14.3	14.4	14.4	14.3	14.4	13.3
4. EUOR	14.3	14.3	14.4	14.4	14.3	14.4	14.3
5. PH	745	720	744	744	672	744	4369
6. SH	245	313	482	488	462	531	2521
7. RSH	0	0	0	0	0	0	0
8. UH	500	407	262	256	210	213	1848
9. POH	312	0	0	0	0	0	312
10. FOH & EFOH	23	39	40	40	36	40	218
11. MOH & EMOH	39	64	67	67	60	67	364
12. OPER BTU (GBTU)	320.059	373.534	439.883	416.603	469.976	579.544	2599.599
13. NET GEN (MWH)	27632	32354	37141	34787	40067	49653	221634
14. ANOHR (BTU/KWH)	11583	11545	11844	11976	11730	11672	11729
15. NOF (%)	94.8	86.9	64.8	59.9	72.9	78.6	73.9
16. NSC (MW)	119	119	119	119	119	119	119

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GANNON 2	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	71.1	71.1	71.1	71.1	71.0	71.1	71.1
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	28.9	28.9	28.9	28.9	29.0	28.9	28.9
4. EUOR	28.9	28.9	28.9	28.9	29.0	28.9	28.9
5. PH	745	720	744	744	672	744	4369
6. SH	366	300	426	433	413	473	2411
7. RSH	0	0	0	0	0	0	0
8. UH	379	420	318	311	259	271	1958
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	155	150	155	155	140	155	910
11. MOH & EMOH	60	58	60	60	55	60	353
12. OPER BTU (GBTU)	449.554	344.730	373.968	400.313	421.148	503.931	2493.644
13. NET GEN (MWH)	38193	29908	32077	34535	36548	43267	214528
14. ANOHR (BTU/KWH)	11771	11526	11658	11592	11523	11647	11624
15. NOF (%)	68.4	84.5	63.8	67.6	75.0	77.5	75.4
16. NSC (MW)	118	118	118	118	118	118	118

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GANNON 3	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	77.3	77.2	77.3	77.3	77.2	77.3	77.3
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	22.7	22.8	22.7	22.7	22.8	22.7	22.7
4. EUOR	22.7	22.8	22.7	22.7	22.8	22.7	22.7
5. PH	745	720	744	744	672	744	4369
6. SH	404	343	463	471	456	512	2649
7. RSH	0	0	0	0	0	0	0
8. UH	341	377	281	273	216	232	1720
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	101	96	101	101	92	101	594
11. MOH & EMOH	68	66	68	68	61	68	399
12. OPER BTU (GBTU)	655.726	523.624	570.472	593.467	627.265	726.193	3696.747
13. NET GEN (MWH)	57419	46497	50043	52262	55596	63952	325769
14. ANOHR (BTU/KWH)	11420	11261	11400	11356	11283	11355	11348
15. NOF (%)	91.7	87.5	69.7	71.6	78.7	80.6	79.3
16. NSC (MW)	155	155	155	155	155	155	155

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GANNON 4	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	86.2	86.3	86.2	86.2	86.2	86.2	86.2
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	13.8	13.8	13.8	13.8	13.8	13.8	13.8
4. EUOR	13.8	13.8	13.8	13.8	13.8	13.8	13.8
5. PH	745	720	744	744	672	744	4369
6. SH	469	394	518	516	501	564	2962
7. RSH	0	0	0	0	0	0	0
8. UH	276	326	226	228	171	180	1407
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	57	55	57	57	52	57	335
11. MOH & EMOH	46	44	46	46	41	46	269
12. OPER BTU (GBTU)	882.623	702.610	573.672	601.914	696.085	880.233	4337.137
13. NET GEN (MWH)	79856	64245	50215	53033	62386	79358	389093
14. ANOHR (BTU/KWH)	11053	10936	11424	11350	11158	11092	11147
15. NOF (%)	90.1	86.3	51.3	54.4	65.9	74.4	69.5
16. NSC (MW)	189	189	189	189	189	189	189

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GANNON 5	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	87.4	87.4	47.8	87.5	65.6	87.5	77.3
2. POF	0.0	0.0	45.2	0.0	25.0	0.0	11.5
3. EUOF	12.6	12.6	7.0	12.5	9.4	12.5	11.1
4. EUOR	12.6	12.6	12.7	12.5	12.5	12.5	12.6
5. PH	745	720	744	744	672	744	4369
6. SH	686	664	376	686	465	686	3563
7. RSH	0	0	0	0	0	0	0
8. UH	59	56	368	58	207	58	806
9. POH	0	0	336	0	168	0	504
10. FOH & EFOH	75	72	41	74	50	74	386
11. MOH & EMOH	19	19	11	19	13	19	100
12. OPER BTU (GBTU)	1242.838	1094.813	526.659	1061.106	794.362	1209.090	5928.868
13. NET GEN (MWH)	118451	105715	50518	102485	77091	117024	571284
14. ANOHR (BTU/KWH)	10492	10356	10425	10354	10304	10332	10378
15. NOF (%)	74.4	68.6	57.9	64.4	71.5	73.5	69.1
16. NSC (MW)	232	232	232	232	232	232	232
17. ANOHR EQUATION	ANOHR = NOF(-18.7056) + 11670.7						

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GANNON 6	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	89.4	89.4	89.4	89.4	89.4	83.6	88.4
2. POF	0.0	0.0	0.0	0.0	0.0	6.5	1.1
3. EUOF	10.6	10.6	10.6	10.6	10.6	9.9	10.5
4. EUOR	10.6	10.6	10.6	10.6	10.6	10.6	10.6
5. PH	745	720	744	744	672	744	4369
6. SH	679	657	679	679	613	634	3941
7. RSH	0	0	0	0	0	0	0
8. UH	66	63	65	65	59	110	428
9. POH	0	0	0	0	0	48	48
10. FOH & EFOH	41	40	41	41	37	38	238
11. MOH & EMOH	38	37	38	38	34	36	220
12. OPER BTU (GBTU)	2121.245	1851.908	1514.267	1713.180	1804.019	1944.876	10949.495
13. NET GEN (MWH)	198290	173663	139359	159517	169997	183212	1024038
14. ANOHR (BTU/KWH)	0	10664	10866	10740	10612	10615	10692
15. NOF (%)	0.0	67.4	52.4	59.9	70.7	73.7	66.3
16. NSC (MW)	392	392	392	392	392	392	392
17. ANOHR EQUATION	ANOHR = NOF(-18.7199) + 11933.6						

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HOOKERS PT 1	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	93.0	93.1	93.0	72.0	93.2	93.0	89.5
2. POF	0.0	0.0	0.0	22.6	0.0	0.0	3.8
3. EUOF	7.0	6.9	7.0	5.4	6.8	7.0	6.7
4. EUOR	7.0	6.9	7.0	6.9	6.8	7.0	7.0
5. PH	745	720	744	744	672	744	4369
6. SH	25	5	2	0	0	0	32
7. RSH	0	0	0	0	0	0	0
8. UH	720	715	742	744	672	744	4337
9. POH	0	0	0	168	0	0	168
10. FOH & EFOH	36	35	36	28	32	36	203
11. MOH & EMOH	16	15	16	12	14	16	89
12. OPER BTU (GBTU)	13.162	2.446	1.096	0.000	0.000	0.000	16.704
13. NET GEN (MWH)	775	146	66	0	0	0	987
14. ANOHR (BTU/KWH)	16983	16753	16606	0	0	0	16924
15. NOF (%)	91.2	85.9	97.1	0.0	0.0	0.0	90.7
16. NSC (MW)	34	34	34	34	34	34	34

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HOOKERS PT 2	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	93.0	93.1	93.0	72.0	93.2	93.0	89.5
2. POF	0.0	0.0	0.0	22.6	0.0	0.0	3.8
3. EUOF	7.0	6.9	7.0	5.4	6.8	7.0	6.7
4. EUOR	7.0	6.9	7.0	6.9	6.8	7.0	7.0
5. PH	745	720	744	744	672	744	4369
6. SH	28	5	2	0	0	0	35
7. RSH	0	0	0	0	0	0	0
8. UH	717	715	742	744	672	744	4334
9. POH	0	0	0	168	0	0	168
10. FOH & EFOH	36	35	36	28	32	36	203
11. MOH & EMOH	16	15	16	12	14	16	89
12. OPER BTU (GBTU)	14.991	2.855	0.941	0.000	0.000	0.000	18.787
13. NET GEN (MWH)	896	172	57	0	0	0	1125
14. ANOHR (BTU/KWH)	16731	16599	16509	0	0	0	16700
15. NOF (%)	94.1	101.2	83.8	0.0	0.0	0.0	94.5
16. NSC (MW)	34	34	34	34	34	34	34

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HOOKERS PT 3	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	93.0	93.1	93.0	72.0	93.2	93.0	89.5
2. POF	0.0	0.0	0.0	22.6	0.0	0.0	3.8
3. EUOF	7.0	6.9	7.0	5.4	6.8	7.0	6.7
4. EUOR	7.0	6.9	7.0	6.9	6.8	7.0	7.0
5. PH	745	720	744	744	672	744	4369
6. SH	32	6	2	0	0	0	40
7. RSH	0	0	0	0	0	0	0
8. UH	713	714	742	744	672	744	4329
9. POH	0	0	0	168	0	0	168
10. FOH & EFOH	36	35	36	28	32	36	203
11. MOH & EMOH	16	15	16	12	14	16	89
12. OPER BTU (GBTU)	17.044	3.290	1.247	0.000	0.000	0.000	21.581
13. NET GEN (MWH)	1029	201	77	0	0	0	1307
14. ANOHR (BTU/KWH)	16564	16368	16195	0	0	0	16512
15. NOF (%)	94.6	98.5	113.2	0.0	0.0	0.0	96.1
16. NSC (MW)	34	34	34	34	34	34	34

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HOOKERS PT 4	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	93.0	93.1	93.0	72.0	93.2	93.0	89.5
2. POF	0.0	0.0	0.0	22.6	0.0	0.0	3.8
3. EUOF	7.0	6.9	7.0	5.4	6.8	7.0	6.7
4. EUOR	7.0	6.9	7.0	6.9	6.8	7.0	7.0
5. PH	745	720	744	744	672	744	4369
6. SH	38	8	3	0	0	0	49
7. RSH	0	0	0	0	0	0	0
8. UH	707	712	741	744	672	744	4320
9. POH	0	0	0	168	0	0	168
10. FOH & EFOH	36	35	36	28	32	36	203
11. MOH & EMOH	16	15	16	12	14	16	89
12. OPER BTU (GBTU)	24.730	4.836	1.808	0.000	0.000	0.000	31.374
13. NET GEN (MWH)	1517	302	114	0	0	0	1933
14. ANOHR (BTU/KWH)	16302	16013	15860	0	0	0	16231
15. NOF (%)	92.8	87.8	88.4	0.0	0.0	0.0	91.7
16. NSC (MW)	43	43	43	43	43	43	43

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HOOKERS PT 5	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	79.6	79.5	79.6	77.0	62.5	79.6	76.5
2. POF	0.0	0.0	0.0	3.2	21.4	0.0	3.8
3. EUOF	20.4	20.4	20.4	19.8	16.1	20.4	19.6
4. EUOR	20.4	20.4	20.4	20.4	20.5	20.4	20.4
5. PH	745	720	744	744	672	744	4369
6. SH	42	9	3	0	0	0	54
7. RSH	0	0	0	0	0	0	0
8. UH	703	711	741	744	672	744	4315
9. POH	0	0	0	24	144	0	168
10. FOH & EFOH	121	117	121	117	86	121	683
11. MOH & EMOH	31	30	31	30	22	31	175
12. OPER BTU (GBTU)	40.027	7.965	2.961	0.000	0.000	0.000	50.953
13. NET GEN (MWH)	2459	496	186	0	0	0	3141
14. ANOHR (BTU/KWH)	16278	16058	15919	0	0	0	16222
15. NOF (%)	87.4	82.3	92.5	0.0	0.0	0.0	86.8
16. NSC (MW)	67	67	67	67	67	67	67

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GANNON CT 1	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	77.9	77.9	77.8	57.8	78.0	77.8	74.5
2. POF	0.0	0.0	0.0	25.8	0.0	0.0	4.4
3. EUOF	22.1	22.1	22.2	16.4	22.0	22.2	21.1
4. EUOR	22.1	22.1	22.2	22.1	22.0	22.2	22.1
5. PH	745	720	744	744	672	744	4369
6. SH	10	2	1	5	5	8	31
7. RSH	0	0	0	0	0	0	0
8. UH	735	718	743	739	667	736	4338
9. POH	0	0	0	192	0	0	192
10. FOH & EFOH	149	144	149	110	134	149	835
11. MOH & EMOH	16	15	16	12	14	16	89
12. OPER BTU (GBTU)	3.160	0.520	0.224	1.744	1.917	2.773	10.338
13. NET GEN (MWH)	144	24	10	80	88	127	473
14. ANOHR (BTU/KWH)	21944	21667	22400	21800	21784	21835	21856
15. NOF (%)	84.7	70.6	58.8	94.1	103.5	93.4	89.8
16. NSC (MW)	17	17	17	17	17	17	17

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BIG BEND CT 1	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	65.0	65.0	64.9	64.9	65.0	64.9	65.0
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	35.0	35.0	35.1	35.1	35.0	35.1	35.0
4. EUOR	35.0	35.0	35.1	35.1	35.0	35.1	35.0
5. PH	745	720	744	744	672	744	4369
6. SH	11	2	1	5	6	8	33
7. RSH	0	0	0	0	0	0	0
8. UH	734	718	743	739	666	736	4336
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	149	144	149	149	134	149	874
11. MOH & EMOH	112	108	112	112	101	112	657
12. OPER BTU (GBTU)	2.930	0.485	0.210	1.597	1.773	2.583	9.578
13. NET GEN (MWH)	153	25	11	83	92	135	499
14. ANOHR (BTU/KWH)	19150	19400	19091	19241	19272	19133	19194
15. NOF (%)	81.8	73.5	64.7	97.6	90.2	99.3	88.9
16. NSC (MW)	17	17	17	17	17	17	17

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BIG BEND CT 2	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	69.1	69.2	69.1	69.1	69.0	37.9	63.8
2. POF	0.0	0.0	0.0	0.0	0.0	45.2	7.7
3. EUOF	30.9	30.8	30.9	30.9	31.0	16.9	28.5
4. EUOR	30.9	30.8	30.9	30.9	31.0	30.9	30.9
5. PH	745	720	744	744	672	744	4369
6. SH	18	3	1	8	10	8	48
7. RSH	0	0	0	0	0	0	0
8. UH	727	717	743	736	662	736	4321
9. POH	0	0	0	0	0	336	336
10. FOH & EFOH	115	111	115	115	104	63	623
11. MOH & EMOH	115	111	115	115	104	63	623
12. OPER BTU (GBTU)	16.899	2.810	1.525	9.894	11.661	9.233	52.022
13. NET GEN (MWH)	1016	168	96	625	734	585	3224
14. ANOHR (BTU/KWH)	16633	16726	15885	15830	15887	15783	16136
15. NOF (%)	66.4	65.9	112.9	91.9	86.4	86.0	79.0
16. NSC (MW)	85	85	85	85	85	85	85

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

OCTOBER 1997 - MARCH 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND CT 3	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	69.1	69.2	69.1	69.1	69.0	69.1	69.1
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	30.9	30.8	30.9	30.9	31.0	30.9	30.9
4. EUOR	30.9	30.8	30.9	30.9	31.0	30.9	30.9
5. PH	745	720	744	744	672	744	4369
6. SH	14	2	1	7	8	12	44
7. RSH	0	0	0	0	0	0	0
8. UH	731	718	743	737	664	732	4325
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	115	111	115	115	104	115	675
11. MOH & EMOH	115	111	115	115	104	115	675
12. OPER BTU (GBTU)	13.561	2.246	1.148	8.057	9.171	13.577	47.760
13. NET GEN (MWH)	797	132	70	498	565	833	2895
14. ANOHR (BTU/KWH)	17015	17015	16400	16179	16232	16299	16497
15. NOF (%)	67.0	77.6	82.4	83.7	83.1	81.7	77.4
16. NSC (MW)	85	85	85	85	85	85	85

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PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
PHILLIPS 1	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	28.5	21.4	80.0	80.0	80.1	80.0	61.5
2. POF	64.4	73.3	0.0	0.0	0.0	0.0	23.1
3. EUOF	7.1	5.3	20.0	20.0	19.9	20.0	15.4
4. EUOR	20.0	19.6	20.0	20.0	19.9	20.0	20.0
5. PH	745	720	744	744	672	744	4369
6. SH	16	5	7	18	35	75	156
7. RSH	0	0	0	0	0	0	0
8. UH	729	715	737	726	637	669	4213
9. POH	480	528	0	0	0	0	1008
10. FOH & EFOH	19	13	52	52	47	52	235
11. MOH & EMOH	34	25	97	97	87	97	437
12. OPER BTU (GBTU)	2.628	0.746	1.024	2.956	5.667	12.076	25.097
13. NET GEN (MWH)	271	77	106	305	584	1245	2588
14. ANOHR (BTU/KWH)	9697	9688	9660	9692	9704	9700	9697
15. NOF (%)	99.6	90.6	89.1	99.7	98.2	97.6	97.6
16. NSC (MW)	17	17	17	17	17	17	17

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PHILLIPS 2	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	80.0	80.0	80.0	80.0	80.1	80.0	80.0
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	20.0	20.0	20.0	20.0	19.9	20.0	20.0
4. EUOR	20.0	20.0	20.0	20.0	19.9	20.0	20.0
5. PH	745	720	744	744	672	744	4369
6. SH	48	16	6	18	35	74	197
7. RSH	0	0	0	0	0	0	0
8. UH	697	704	738	726	637	670	4172
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	52	50	52	52	47	52	305
11. MOH & EMOH	97	94	97	97	87	97	569
12. OPER BTU (GBTU)	7.687	2.554	0.994	2.925	5.621	12.024	31.805
13. NET GEN (MWH)	793	263	102	301	579	1239	3277
14. ANOHR (BTU/KWH)	9694	9711	9745	9718	9708	9705	9706
15. NOF (%)	97.2	96.7	100.0	98.4	97.3	98.5	97.9
16. NSC (MW)	17	17	17	17	17	17	17

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ESTIMATED UNIT PERFORMANCE DATA

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PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
POLK	OCT 97	NOV 97	DEC 97	JAN 98	FEB 98	MAR 98	WINTER 1997
1. EAF (%)	2.6	80.1	80.1	80.1	60.1	72.4	62.5
2. POF	96.8	0.0	0.0	0.0	25.0	9.7	22.0
3. EUOF	0.7	19.9	19.9	19.9	14.9	17.9	15.5
4. EUOR	20.8	19.9	19.9	19.9	19.8	19.8	19.9
5. PH	745	720	744	744	672	744	4369
6. SH	20	570	585	672	456	611	2914
7. RSH	0	0	0	0	0	0	0
8. UH	725	150	159	72	216	133	1455
9. POH	721	0	0	0	168	72	961
10. FOH & EFOH	3	86	89	89	60	80	407
11. MOH & EMOH	2	57	59	59	40	53	270
12. OPER BTU (GBTU)	45.175	1338.760	1370.010	1536.460	1050.630	1404.810	6745.845
13. NET GEN (MWH)	4791	141571	144574	165928	113713	152140	722717
14. ANOHR (BTU/KWH)	9429	9456	9476	9260	9239	9234	9334
15. NOF (%)	95.8	99.3	98.9	98.8	99.7	99.6	99.2
16. NSC (MW)	250	250	250	250	250	250	250

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