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ORIGINAL

January 15, 1998

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. 980001-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. 00874-98
2. Prepared Direct Testimony of Karen A. Zwolak and Exhibit (KOZ-2) regarding Tampa Electric's Fuel Cost Recovery and Capacity Cost Recovery for the period April 1998 through September 1998. 00875-98
3. Prepared Direct Testimony of George A. Keselowsky with Exhibit (GAK-2 regarding Tampa Electric Company's performance under the Generating Performance Incentive Factor for the period April 1998 - September 1998. 00876-98

ACK
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APP
CAF
CMU
CTR
EAG
LEG
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OPC
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SEC
WAS
OTH

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

Thank you for your assistance in connection with this matter.

Sincerely,

James D. Beasley

JDB/pp
Enclosures

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

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FPSC-BUREAU OF RECORDS

ORIGINAL

TAMPA ELECTRIC COMPANY
DOCKET NO. 980001-EI
SUBMITTED FOR FILING 1/15/98
(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" April 1998 - September 1998, consisting of 35 pages filed with the Commission on January 14, 1998. (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 8.1%. The Planned Outage Factor for this same unit during this period is 0%. Therefore, the target equivalent availability for this unit equals:

$$100\% - [(8.1\% + 0\%)] = 91.9\%$$

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:

$EAF_{MAX} = 100\% - [0.8\ (8.1\%) + 0.95\ (0\%)] = 93.5\%$

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,

$EAF_{MIN} = 100\% - [1.4\ (8.1\%) + 1.1\ (0\%)] = 88.7\%$

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 May 18 to May 31, 1998. There are 336 planned outage hours scheduled for the summer 1998 period, and a total of 4391 hours during this 6 month period. Consequently, the Planned Outage Factor for Unit 1

at Big Bend is 336/4391 x 100% or 7.7%. This factor is shown on pages 5 and 15 of my exhibit. Big Bend Unit 3 has a planned outage factor of 18.0%. Big Bend Units 2 and 4 have planned outage factors of zero, as does Gannon Unit 5. Gannon Unit 6 has a planned outage factor of 7.7%.

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 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 15.2% 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

$$EUOF = \frac{(555 + 111)}{4391} \times 100 = 15.2\%$$

Relative to Gannon Unit Five, the EUOF of 15.2% 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 14.0% 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 78.3% for the period.

Big Bend Unit Two

The projected EUOF for this unit is 13.6%. 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 86.4%.

Big Bend Unit Three

The projected EUOF for this unit is 13.2%. This unit will have a planned outage this period and the Planned Outage Factor is 18.0%. Therefore, the target equivalent availability for this unit is 68.8%.

Big Bend Unit Four

The projected EUOF for this unit is 8.1%. 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 91.9% for the period.

Gannon Unit Five

The projected EUOF for this unit is 15.2%. 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 84.8%.

Gannon Unit Six

The projected EUOF for this unit is 11.3%. 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 81.1%.

Q. Would you summarize your testimony regarding Equivalent Availability Factor (EAF)?

A. Yes I will. Please note on page 5 that the GPIF system weighted Equivalent Availability Factor (EAF) equals 79.2%. This target compares very favorably to previous GPIF periods.

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 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. 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 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 1998 period?

A. Yes. The heat rate target for Big Bend Unit 1 is 10,267 Btu/Net kwh. The range about this value, to allow for potential improvement or degradation, is ±366 Btu/Net kwh. The heat rate target for Big Bend Unit 2 is 10,225 Btu/Net kwh with a range of ±330 Btu/Net kwh. The heat rate target for Big Bend Unit 3 is 9,778 Btu/Net kwh, with a range of ±342 Btu/Net kwh. The heat rate target for Big Bend Unit 4 is 9,831 Btu/Net kwh with a range of ±188 Btu/Net kwh. The heat rate target for Gannon Unit 5 is 10,377 Btu/Net kwh with a range of ±478 Btu/Net kwh. The heat rate target for Gannon Unit 6 is 10,527 Btu/Net kwh with a range of ±400 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 $153,941,200 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: $6,630,700 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 9.38% 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 89.1% equivalent availability, fuel savings would equal $622,000 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 incentive points for Tampa Electric Company. The center column shows the total fuel savings and is the same amount as shown on page 6, column 4, $6,630,700. 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 1998 - September 1998 is shown to be $1,177,502,143. This produces the maximum allowed jurisdictional incentive dollars of $2,371,627 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):

$$GPIP = (0.0522\ EAP_{GN5} + 0.0506\ EAP_{GN6} + 0.1092\ EAP_{BB1} + 0.0938\ EAP_{BB2} + 0.1319\ EAP_{BB3} + 0.0315\ EAP_{BB4} + 0.0758\ HRP_{GN5} + 0.1009\ HRP_{GN6} + 0.1115\ HRP_{BB1} + 0.0796\ HRP_{BB2} + 0.0938\ HRP_{BB3} + 0.0692\ HRP_{BB4})$$

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 1998 - September 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, April 1, 1998 - September 30, 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 April 1998 - September 1998 period.

Q. Does this conclude your testimony?

A. Yes.

ATTACHMENT "A"
January 14, 1998

TAMPA ELECTRIC COMPANY
GPIF TARGETS
April 1, 1998 - September 30, 1998

Availability				Heat Rate
Unit	EAF	POF	EUOF	
Gannon 5	84.8	0	15.2	10,377[1]
Gannon 6	81.1	7.7	11.3	10,527[2]
Big Bend 1	78.3	7.7	14.0	10,267[3]
Big Bend 2	86.4	0	13.6	10,225[4]
Big Bend 3	68.8	18.0	13.2	9,778[5]
Big Bend 4	91.9	0	8.1	9,831[6]

[1] Original Sheet 6.401.98E, Pg. 13

[2] Original Sheet 6.401.98E, Pg. 14

[3] Original Sheet 6.401.98E, Pg. 15

[4] Original Sheet 6.401.98E, Pg. 16

[5] Original Sheet 6.401.98E, Pg. 17

[6] Original Sheet 6.401.98E, Pg. 18

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
APRIL 1998 - SEPTEMBER 1998
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TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
REWARD / PENALTY TABLE - ESTIMATED
APRIL 1998 - SEPTEMBER 1998

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) ($000)	GENERATING PERFORMANCE INCENTIVE FACTOR ($000)
+10	6,630.7	2,371.6
+9	5,967.6	2,134.5
+8	5,304.6	1,897.3
+7	4,641.5	1,660.1
+6	3,978.4	1,423.0
+5	3,315.4	1,185.8
+4	2,652.3	948.7
+3	1,989.2	711.5
+2	1,326.1	474.3
+1	663.1	237.2
0	0	0.0
-1	(972.8)	(237.2)
-2	(1,945.5)	(474.3)
-3	(2,918.3)	(711.5)
-4	(3,891.0)	(948.7)
-5	(4,863.8)	(1,185.8)
-6	(5,836.6)	(1,423.0)
-7	(6,809.3)	(1,660.1)
-8	(7,782.1)	(1,897.3)
-9	(8,754.8)	(2,134.5)
-10	(9,727.6)	(2,371.6)

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
ESTIMATED
APRIL 1998 - SEPTEMBER 1998

Line 1	Beginning of period balance of common equity End of month common equity:		$1,181,288,000
Line 2	Month of April	1998	$1,138,193,000
Line 3	Month of May	1998	$1,149,338,000
Line 4	Month of June	1998	$1,160,592,000
Line 5	Month of July	1998	$1,192,652,000
Line 6	Month of August	1998	$1,204,330,000
Line 7	Month of September	1998	$1,216,122,000
Line 8	(summation of line 1 through line 7 divided by 7)		$1,177,502,143
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)		$2,398,218
Line 12	Jurisdictional Sales		8432514 MWH
Line 13	Total Sales		8527063 MWH
Line 14	Jurisdictional Seperation Factor (Line 12 divided by line 13)		98.89%
Line 15	Maximum Allowed Jurisdictional Incentive Dollars (Line 11 times line 14)		$2,371,627

TAMPA ELECTRIC COMPANY

GPIF TARGET AND RANGE SUMMARY

APRIL 1998 - SEPTEMBER 1998

EQUIVALENT AVAILABILITY

PLANT/UNIT	WEIGHTING FACTOR (%)	EAF TARGET (%)	EAF RANGE MAX. (%)	EAF RANGE MIN. (%)	MAX. FUEL SAVINGS ($000)	MAX. FUEL LOSS ($000)
GANNON 5	5.22%	84.8	87.9	78.9	246.2	(660.8)
GANNON 6	5.06%	81.1	83.8	75.9	335.4	(823.9)
BIG BEND 1	10.92%	78.3	81.5	72.0	724.0	(1,391.9)
BIG BEND 2	9.38%	86.4	89.1	81.0	622.0	(1,212.2)
BIG BEND 3	13.19%	68.8	72.3	61.7	874.4	(1,694.8)
BIG BEND 4	3.15%	91.9	93.5	88.7	208.9	(424.2)
GPIF SYSTEM	46.92%				3,110.9	(6,207.8)

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	7.58%	10377	89.0	9899	10855	502.6	(502.6)
GANNON 6	10.09%	10527	91.3	10127	10927	669.3	(669.3)
BIG BEND 1	11.15%	10267	83.6	9901	10633	739.0	(739.0)
BIG BEND 2	7.96%	10225	83.1	9895	10555	527.8	(527.8)
BIG BEND 3	9.38%	9778	94.5	9436	10120	621.7	(621.7)
BIG BEND 4	6.92%	9831	96.6	9643	10019	459.4	(459.4)
GPIF SYSTEM	53.08%					3,519.8	(3,519.8)

TAMPA ELECTRIC COMPANY

COMPARISON OF OPF TARGETS VS. PRIOR PERIOD ACTUAL PERFORMANCE

AVAILABILITY

PLANT/UNIT	TARGET WEIGHTING FACTOR	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD APR 98 - SEP 98 POF	EUOF	EUOR	ACTUAL PERFORMANCE APR 97 - SEP 97 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
BIG BEND 1	10.92%	23.1	7.7	14.0	13.2	26.1	13.2	17.9	9.3	15.6	17.2	0.0	15.2	15.2	0.0	12.6	12.6	0.2	11.1	11.1
BIG BEND 2	9.38%	20.0	0.0	13.6	13.6	0.0	15.0	15.0	8.8	11.5	12.6	0.0	12.8	12.8	0.0	14.5	14.5	0.0	11.4	11.4
BIG BEND 3	13.19%	28.1	18.0	13.2	16.1	15.3	14.9	17.6	0.0	16.5	16.5	0.7	15.7	15.8	10.4	13.9	15.5	21.3	15.7	19.9
BIG BEND 4	3.17%	6.7	0.0	8.1	8.1	0.0	20.6	20.6	11.9	3.5	6.2	0.0	7.3	7.3	11.0	4.6	5.2	0.0	7.6	7.6
GANNON 5	5.22%	11.1	0.0	15.2	15.2	0.0	30.3	30.3	13.8	22.3	23.9	4.7	12.2	12.8	31.6	8.6	12.5	0.0	8.1	8.1
GANNON 6	5.06%	10.8	7.7	11.3	12.2	0.0	21.5	21.5	9.5	11.4	12.6	36.1	5.2	7.4	3.9	11.2	11.7	3.0	7.2	7.6
	46.92%	100.0																		
OPF SYSTEM WGTD AVG			7.7	13.1	14.3	10.4	17.3	19.2	7.3	14.6	15.8	4.0	12.9	13.3	7.5	12.2	13.2	4.6	11.3	12.7
OPF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY				79.2			72.5			78.1			83.1			80.3			81.9	

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 APR97 - SEP 97	ADJUSTED PRIOR HEAT RATE APR96 - SEP 96	ADJUSTED PRIOR HEAT RATE APR95 - SEP 95
GANNON 5	7.58%	14.3	10377	10364	10836	10014
GANNON 6	10.09%	19.0	10527	10465	11025	10372
BIG BEND 1	11.17%	21.0	10267	10164	10104	10059
BIG BEND 2	7.96%	15.0	10225	9991	10144	10052
BIG BEND 3	9.38%	17.7	9778	9988	9883	9692
BIG BEND 4	6.97%	13.0	9851	9970	10107	9971
	53.08%	100.0				
OPF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)			10183	10196	10322	10043

ORGINAL SHEET NO. 6.401.97E
PAGE 5 OF 35

TAMPA ELECTRIC COMPANY
DERIVATION OF WEIGHTING FACTORS
APRIL 1998 - SEPTEMBER 1998
PRODUCTION COSTING SIMULATION
FUEL COST ($000)

UNIT PERFORMANCE INDICATOR	AT TARGET	IMPROVEMENT	SAVINGS	WEIGHTING FACTOR (% OF SAVINGS)
EQUIVALENT AVAILABILITY				
EA_1 GANNON 5	153941.2	153595.0	346.2	5.22%
EA_2 GANNON 6	153941.2	153605.8	335.4	5.06%
EA_3 BIG BEND 1	153941.2	153217.2	724.0	10.92%
EA_4 BIG BEND 2	153941.2	153319.2	622.0	9.38%
EA_5 BIG BEND 3	153941.2	153066.8	874.4	13.19%
EA_6 BIG BEND 4	153941.2	153732.3	208.9	3.15%
HEAT RATE				
AHR_1 GANNON 5	153941.2	153438.6	502.6	7.58%
AHR_2 GANNON 6	153941.2	153271.9	669.3	10.09%
AHR_3 BIG BEND 1	153941.2	153202.2	739.0	11.15%
AHR_4 BIG BEND 2	153941.2	153413.4	527.8	7.96%
AHR_5 BIG BEND 3	153941.2	153319.5	621.7	9.38%
AHR_6 BIG BEND 4	153941.2	153481.8	459.4	6.92%
TOTAL SAVINGS			6630.7	100.00%

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

(2) All other unit performance indicators at target.

(3) Expressed in replacement energy cost.

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

APRIL 1998 - SEPTEMBER 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	346.2	87.9	+10	502.6	9899
+9	311.6	87.6	+9	452.3	9939
+8	277.0	87.3	+8	402.1	9980
+7	242.3	87.0	+7	351.8	10020
+6	207.7	86.7	+6	301.6	10060
+5	173.1	86.4	+5	251.3	10101
+4	138.5	86.0	+4	201.0	10141
+3	103.9	85.7	+3	150.8	10181
+2	69.2	85.4	+2	100.5	10221
+1	34.6	85.1	+1	50.3	10262
				0.0	10302
0	0.0	84.8	0	0.0	10377
				0.0	10452
-1	(66.1)	84.2	-1	(50.3)	10492
-2	(132.2)	83.6	-2	(100.5)	10533
-3	(198.2)	83.0	-3	(150.8)	10573
-4	(264.3)	82.4	-4	(201.0)	10613
-5	(330.4)	81.9	-5	(251.3)	10654
-6	(396.5)	81.3	-6	(301.6)	10694
-7	(462.6)	80.7	-7	(351.8)	10734
-8	(528.6)	80.1	-8	(402.1)	10774
-9	(594.7)	79.5	-9	(452.3)	10815
-10	(660.8)	78.9	-10	(502.6)	10855
	Weighting Factor =	5.22%		Weighting Factor =	7.58%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

APRIL 1998 - SEPTEMBER 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	335.4	83.8	+10	669.3	10127
+9	301.9	83.5	+9	602.4	10160
+8	268.3	83.3	+8	535.4	10192
+7	234.8	83.0	+7	468.5	10225
+6	201.2	82.7	+6	401.6	10257
+5	167.7	82.5	+5	334.7	10290
+4	134.2	82.2	+4	267.7	10322
+3	100.6	81.9	+3	200.8	10355
+2	67.1	81.6	+2	133.9	10387
+1	33.5	81.4	+1	66.9	10420
				0.0	10452
0	0.0	81.1	0	0.0	10527
				0.0	10602
-1	82.4	80.6	-1	(66.9)	10635
-2	164.8	80.1	-2	(133.9)	10667
-3	247.2	79.5	-3	(200.8)	10700
-4	329.6	79.0	-4	(267.7)	10732
-5	412.0	78.5	-5	(334.7)	10765
-6	494.3	78.0	-6	(401.6)	10797
-7	576.7	77.5	-7	(468.5)	10830
-8	659.1	76.9	-8	(535.4)	10862
-9	741.5	76.4	-9	(602.4)	10895
-10	823.9	75.9	-10	(669.3)	10927
	Weighting Factor =	5.06%		Weighting Factor =	10.09%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

APRIL 1998 - SEPTEMBER 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	724.0	81.5	+10	739.0	9901
+9	651.6	81.2	+9	665.1	9930
+8	579.2	80.9	+8	591.2	9959
+7	506.8	80.5	+7	517.3	9988
+6	434.4	80.2	+6	443.4	10017
+5	362.0	79.9	+5	369.5	10047
+4	289.6	79.6	+4	295.6	10076
+3	217.2	79.3	+3	221.7	10105
+2	144.8	78.9	+2	147.8	10134
+1	72.4	78.6	+1	73.9	10163
				0.0	10192
0	0.0	78.3	0	0.0	10267
				0.0	10342
-1	139.2	77.7	-1	(73.9)	10371
-2	278.4	77.0	-2	(147.8)	10400
-3	417.6	76.4	-3	(221.7)	10429
-4	556.8	75.8	-4	(295.6)	10458
-5	696.0	75.2	-5	(369.5)	10488
-6	835.1	74.5	-6	(443.4)	10517
-7	974.3	73.9	-7	(517.3)	10546
-8	1,113.5	73.3	-8	(591.2)	10575
-9	1,252.7	72.6	-9	(665.1)	10604
-10	1,391.9	72.0	-10	(739.0)	10633
	Weighting Factor =	10.92%		Weighting Factor =	11.15%

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	622.0	89.1	+10	527.8	9895
+9	559.8	88.8	+9	475.0	9921
+8	497.6	88.6	+8	422.2	9946
+7	435.4	88.3	+7	369.5	9972
+6	373.2	88.0	+6	316.7	9997
+5	311.0	87.8	+5	263.9	10023
+4	248.8	87.5	+4	211.1	10048
+3	186.6	87.2	+3	158.3	10074
+2	124.4	86.9	+2	105.6	10099
+1	62.2	86.7	+1	52.8	10125
				0.0	10150
0	0.0	86.4	0	0.0	10225
				0.0	10300
-1	(121.2)	85.9	-1	(52.8)	10326
-2	(242.4)	85.3	-2	(105.6)	10351
-3	(363.7)	84.8	-3	(158.3)	10377
-4	(484.9)	84.2	-4	(211.1)	10402
-5	(606.1)	83.7	-5	(263.9)	10428
-6	(727.3)	83.2	-6	(316.7)	10453
-7	(848.5)	82.6	-7	(369.5)	10479
-8	(969.8)	82.1	-8	(422.2)	10504
-9	(1,091.0)	81.5	-9	(475.0)	10530
-10	(1,212.2)	81.0	-10	(527.8)	10555
	Weighting Factor =	9.38%		Weighting Factor =	7.96%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

APRIL 1998 - SEPTEMBER 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	874.4	72.3	+10	621.7	9436
+9	787.0	72.0	+9	559.5	9463
+8	699.5	71.6	+8	497.4	9489
+7	612.1	71.3	+7	435.2	9516
+6	524.6	70.9	+6	373.0	9543
+5	437.2	70.6	+5	310.9	9570
+4	349.8	70.2	+4	248.7	9596
+3	262.3	69.9	+3	186.5	9623
+2	174.9	69.5	+2	124.3	9650
+1	87.4	69.2	+1	62.2	9676
				0.0	9703
0	0.0	68.8	0	0.0	9778
				0.0	9853
-1	169.5	68.1	-1	(62.2)	9880
-2	339.0	67.4	-2	(124.3)	9906
-3	508.4	66.7	-3	(186.5)	9933
-4	677.9	66.0	-4	(248.7)	9960
-5	847.4	65.3	-5	(310.9)	9987
-6	1,016.9	64.5	-6	(373.0)	10013
-7	1,186.4	63.8	-7	(435.2)	10040
-8	1,355.8	63.1	-8	(497.4)	10067
-9	1,525.3	62.4	-9	(559.5)	10093
-10	1,694.8	61.7	-10	(621.7)	10120
	Weighting Factor =	13.19%		Weighting Factor =	9.38%

TAMPA ELECTRIC COMPANY

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

APRIL 1998 - SEPTEMBER 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	208.9	93.5	+10	459.4	9643
+9	188.0	93.3	+9	413.5	9654
+8	167.1	93.2	+8	367.5	9666
+7	146.2	93.0	+7	321.6	9677
+6	125.3	92.9	+6	275.6	9688
+5	104.5	92.7	+5	229.7	9700
+4	83.6	92.5	+4	183.8	9711
+3	62.7	92.4	+3	137.8	9722
+2	41.8	92.2	+2	91.9	9733
+1	20.9	92.1	+1	45.9	9745
				0.0	9756
0	0.0	91.9	0	0.0	9831
				0.0	9906
-1	42.4	91.6	-1	(45.9)	9917
-2	84.8	91.3	-2	(91.9)	9929
-3	127.3	90.9	-3	(137.8)	9940
-4	169.7	90.6	-4	(183.8)	9951
-5	212.1	90.3	-5	(229.7)	9963
-6	254.5	90.0	-6	(275.6)	9974
-7	296.9	89.7	-7	(321.6)	9985
-8	339.4	89.3	-8	(367.5)	9996
-9	381.8	89.0	-9	(413.5)	10008
-10	424.2	88.7	-10	(459.4)	10019
	Weighting Factor =	3.15%		Weighting Factor =	6.92%

TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1998 - SEPTEMBER 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF	PERIOD
GANNON 5	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1. EAF (%)	84.8	84.8	84.9	84.8	84.8	84.9	84.8
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	15.2	15.2	15.1	15.2	15.2	15.1	15.2
4. EUOR	15.2	15.2	15.1	15.2	15.2	15.1	15.2
5. PH	719	744	720	744	744	720	4391
6. SH	520	579	565	582	577	554	3377
7. RSH	0	0	0	0	0	0	0
8. UH	199	165	155	162	167	166	1014
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	91	94	91	94	94	91	555
11. MOH & EMOH	18	19	18	19	19	18	111
12. OPER BTU (GBTU)	1012.687	1208.767	1190.892	1242.364	1258.846	1166.432	7079.988
13. NET GEN (MWH)	98860	117790	114682	118414	120145	112374	682265
14. ANOHR (BTU/KWH)	10244	10262	10384	10492	10478	10380	10377
15. NOF (%)	83.8	89.6	89.4	89.6	91.7	89.4	89.0
16. NSC (MW)	227	227	227	227	227	227	227
17. ANOHR EQUATION	ANOHR = NOF(-15.6845) + 11773.1						

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1998 - SEPTEMBER 1998

PLANT/UNIT	MONTH OF	MONTH OF	MONTH OF	MONTH OF	MONTH OF	MONTH OF	PERIOD
GANNON 6	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1 EAF (%)	87.8	48.1	87.8	87.8	87.8	87.8	81.1
2 POF	0.0	45.2	0.0	0.0	0.0	0.0	7.7
3 EUOF	12.2	6.7	12.2	12.2	12.2	12.2	11.3
4 EUOR	12.2	12.2	12.2	12.2	12.2	12.2	12.2
5 PH	719	744	720	744	744	720	4391
6 SH	589	188	664	688	691	664	3484
7 RSH	0	0	0	0	0	0	0
8 UH	130	556	56	56	53	56	907
9 POH	0	336	0	0	0	0	336
10 FOH & EFOH	52	29	52	54	54	52	292
11 MOH & EMOH	36	20	36	37	37	36	203
12 OPER BTU (GBTU)	1992.805	662.217	2299.682	2403.682	2461.654	2300.657	12120.697
13 NET GEN (MWH)	190715	63435	218368	227292	232992	218540	1151342
14 ANOHR (BTU/KWH)	0	10439	10531	10575	10565	10527	10527
15 NOF (%)	0.0	93.2	90.8	91.3	93.1	90.9	91.3
16 NSC (MW)	362	362	362	362	362	362	362

17 ANOHR EQUATION ANOHR = NOF(7.0159) + 9686.9

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ESTIMATED UNIT PERFORMANCE DATA

APRIL 1998 - SEPTEMBER 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 1	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1 EAF (%)	84.8	46.5	84.9	84.8	84.8	84.9	78.3
2 POF	0.0	45.2	0.0	0.0	0.0	0.0	7.7
3 EUOF	15.2	8.3	15.1	15.2	15.2	15.1	14.0
4 EUOR	15.2	15.2	15.1	15.2	15.2	15.1	15.2
5 PH	719	744	720	744	744	720	4391
6 SH	631	652	631	652	652	631	3849
7 RSH	0	0	0	0	0	0	0
8 UH	88	92	89	92	92	89	542
9 POH	0	336	0	0	0	0	336
10 FOH & EFOH	73	42	73	76	76	73	413
11 MOH & EMOH	36	20	36	37	37	36	202
12 OPER BTU (GBTU)	2120.115	2393.865	2305.252	2394.573	2445.504	2255.806	13915.115
13 NET GEN (MWH)	207322	234521	224742	231572	237094	220034	1355285
14 ANOHR (BTU/KWH)	0	10207	10257	10341	10314	10252	10267
15 NOF (%)	0.0	85.4	84.6	84.4	86.4	82.8	83.6
16 NSC (MW)	421	421	421	421	421	421	421

17 ANOHR EQUATION ANOHR = NOF(-24.5419) + 12319.0

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1998 - SEPTEMBER 1998

PLANT/UNIT	MONTH OF:	MONTH OF	MONTH OF	MONTH OF	MONTH OF	MONTH OF	PERIOD
BIG BEND 2	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1 EAF (%)	86 5	86 4	86 4	86 4	86 4	86 4	86 4
2 POF	0 0	0 0	0 0	0 0	0 0	0 0	0 0
3 EUOF	13 5	13 6	13 6	13 6	13 6	13 6	13 6
4 EUOR	13 5	13 6	13 6	13 6	13 6	13 6	13 6
5 PH	719	744	720	744	744	720	4391
6 SH	0	475	647	669	669	647	3107
7 RSH	0	0	0	0	0	0	0
8 UH	719	269	73	75	75	73	1284
9 POH	0	0	0	0	0	0	0
10 FOH & EFOH	65	68	66	68	68	66	401
11 MOH & EMOH	32	33	32	33	33	32	195
12 OPER BTU (GBTU)	0 000	1684 906	2290 572	2356 762	2403 776	2250 711	10986 729
13 NET GEN (MWH)	0	165727	224263	229579	234675	220229	1074473
14 ANOHR (BTU/KWH)	ERR	10167	10214	10266	10243	10220	10225
15 NOF (%)	ERR	83 9	83 3	82 5	84 3	81 8	83 1
16 NSC (MW)	416	416	416	416	416	416	416
17 ANOHR EQUATION	ANOHR = NOF(-29 1068) + 12644 0						

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ESTIMATED UNIT PERFORMANCE DATA

APRIL 1998 - SEPTEMBER 1998

PLANT/UNIT	MONTH OF	MONTH OF	MONTH OF	MONTH OF	MONTH OF	MONTH OF	PERIOD
BIG BEND 3 GPIF	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1 EAF (%)	0.0	75.7	83.9	83.9	83.9	83.9	68.8
2 POF	100.0	9.7	0.0	0.0	0.0	0.0	18.0
3 EUOF	0.0	14.7	16.1	16.1	16.1	16.1	13.2
4 EUOR	0.0	16.2	16.1	16.1	16.1	16.1	16.1
5 PH	719	744	720	744	744	720	4391
6 SH	650	672	650	672	672	650	3966
7 RSH	0	0	0	0	0	0	0
8 UH	69	72	70	72	72	70	425
9 POH	719	72	0	0	0	0	791
10 FOH & EFOH	0	81	86	89	89	86	431
11 MOH & EMOH	0	28	30	31	31	30	150
12 OPER BTU (GBTU)	2488.362	2642.519	2584.899	2701.851	2709.689	2590.362	15717.682
13 NET GEN (MWH)	250934	267861	265525	277736	278882	266780	1607419
14 ANOHR (BTU/KWH)	9928	9865	9735	9728	9716	9710	9778
15 NOF (%)	89.9	92.9	95.2	96.3	96.7	95.7	94.5
16 NSC (MW)	429	429	429	429	429	429	429
17 ANOHR EQUATION	ANOHR = NOF(-21.5491) + 11814..						

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1998 - SEPTEMBER 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF	MONTH OF	MONTH OF	MONTH OF	PERIOD
BIG BEND 4	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1 EAF (%)	91.9	91.9	91.9	91.9	91.9	91.9	91.9
2 POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 EUOF	8.1	8.1	8.1	8.1	8.1	8.1	8.1
4 EUOR	8.1	8.1	8.1	8.1	8.1	8.1	8.1
5 PH	719	744	720	744	744	720	4391
6 SH	673	696	673	696	696	673	4107
7 RSH	0	0	0	0	0	0	0
8 UH	46	48	47	48	48	47	284
9 POH	0	0	0	0	0	0	0
10 FOH & EFOH	35	36	35	36	36	35	213
11 MOH & EMOH	23	24	23	24	24	23	141
12 OPER BTU (GBTU)	2808.084	2916.288	2820.716	2927.185	2941.222	2821.623	17235.118
13 NET GEN (MWH)	288392	299012	286648	295509	296863	286737	1753161
14 ANOHR (BTU/KWH)	9737	9753	9840	9906	9908	9840	9831
15 NOF (%)	96.9	97.2	96.4	96.1	96.5	96.4	96.6
16 NSC (MW)	442	442	442	442	442	442	442

17 ANOHR EQUATION ANOHR = NOF(-34.5416) + 13167.6

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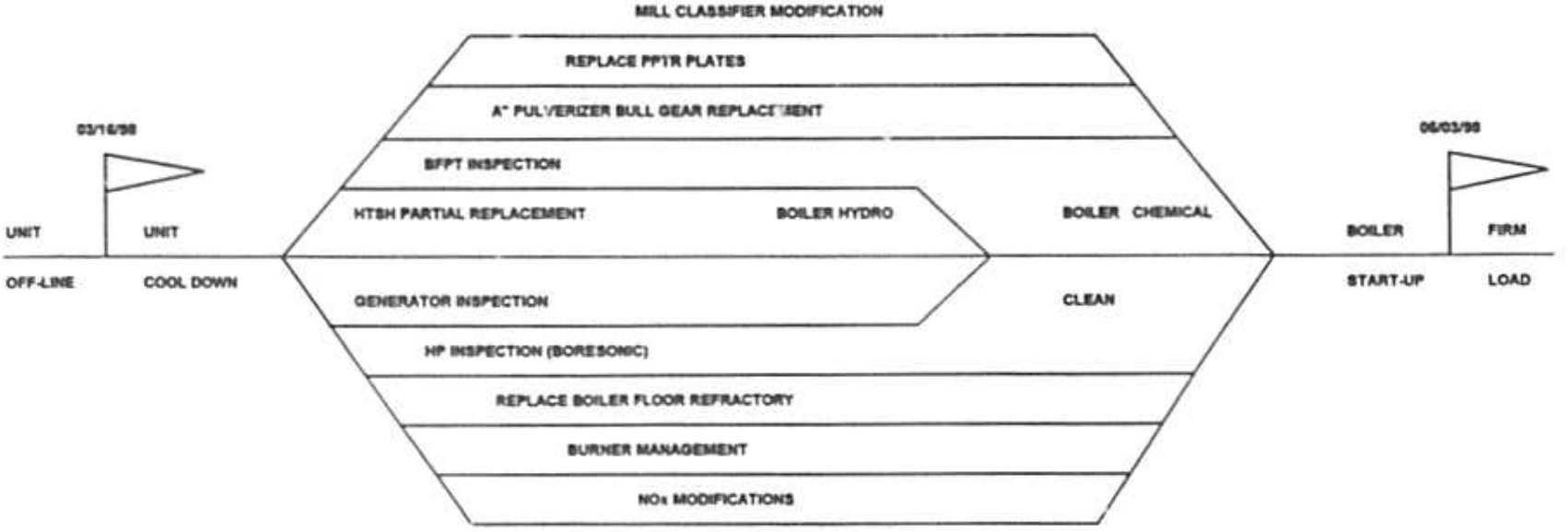
TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ESTIMATED)
GPIF UNITS
APRIL 1998 - SEPTEMBER 1998

	PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DISCRIPTION
•	BIG BEND 3	MAR 16 - MAY 03	HTSH (PARTIAL REPL.) REPLACE 'A' MILL BULL GEAR REPL. PPTR PLATES CHEMICAL CLEAN REPL. FURNACE FLOOR REF. HP INSP. (BORESONIC) BURNER MANAGEMENT MILL CLASSIFIER MODIFICATION NOx MODIFICATIONS GENERATOR INSP BFPT INSPECTION
+	BIG BEND 1	MAY 18 - MAY 31	FUEL SYSTEM CLEAN-UP
+	GANNON 6	MAY 04 - MAY 17	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. 3
PLANNED OUTAGE 1998
PROJECTED CPM
01/01/98

ORIGINAL SHEET NO. 6.401.98E
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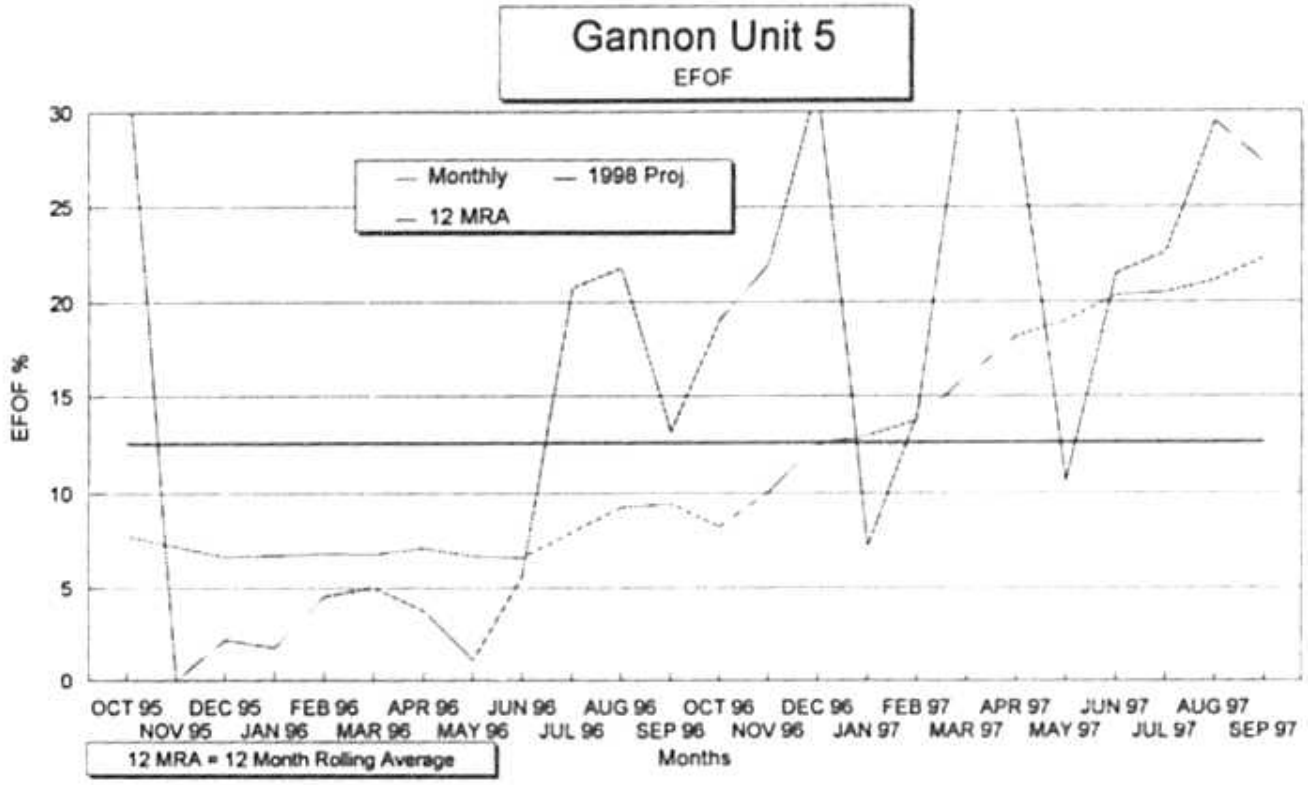
Gannon Unit 5
EFOF
Monthly
1998 Proj
12 MRA
EFOF %
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OCT 95
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JAN 96
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JUN 97
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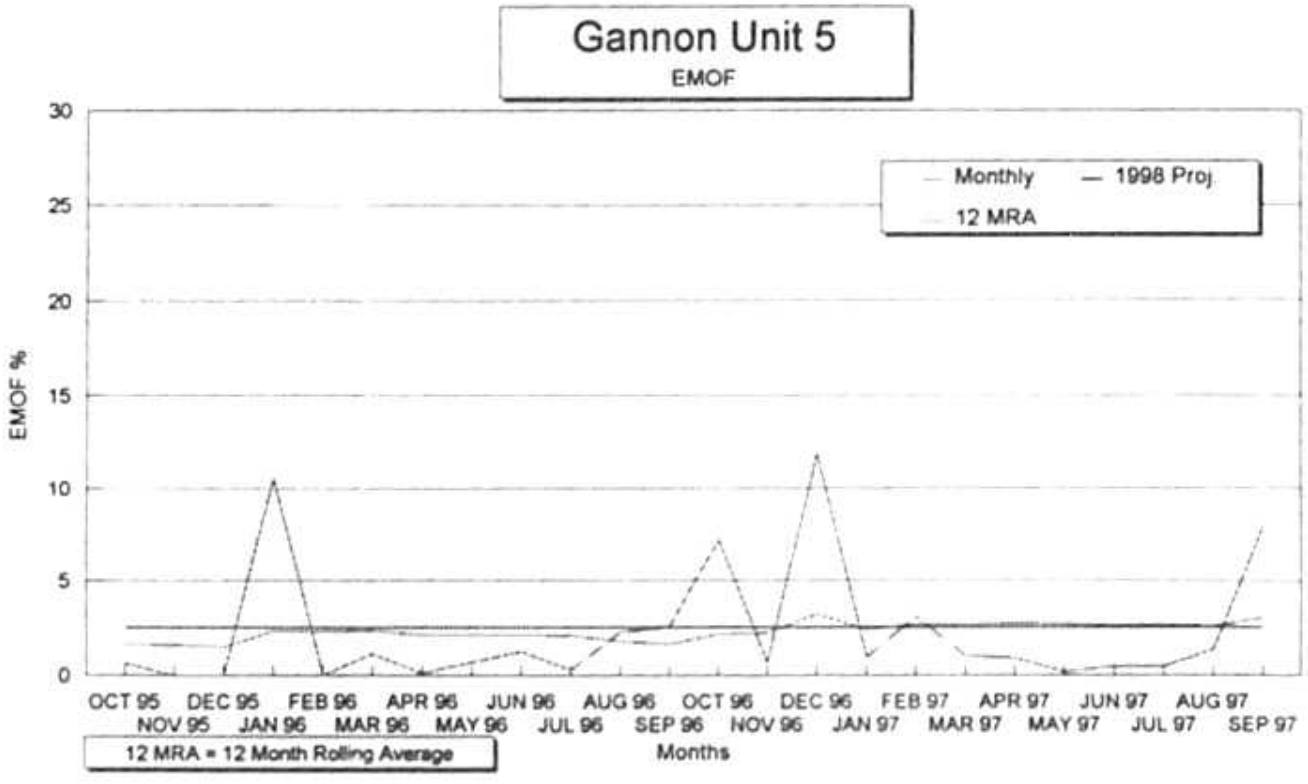
AUG 97
SEP 97
Months
12 MRA = 12 Month Rolling Average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Monthly
1998 Proj
12 MRA
EMOF %
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OCT 95
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AUG 97
SEP 97
Months
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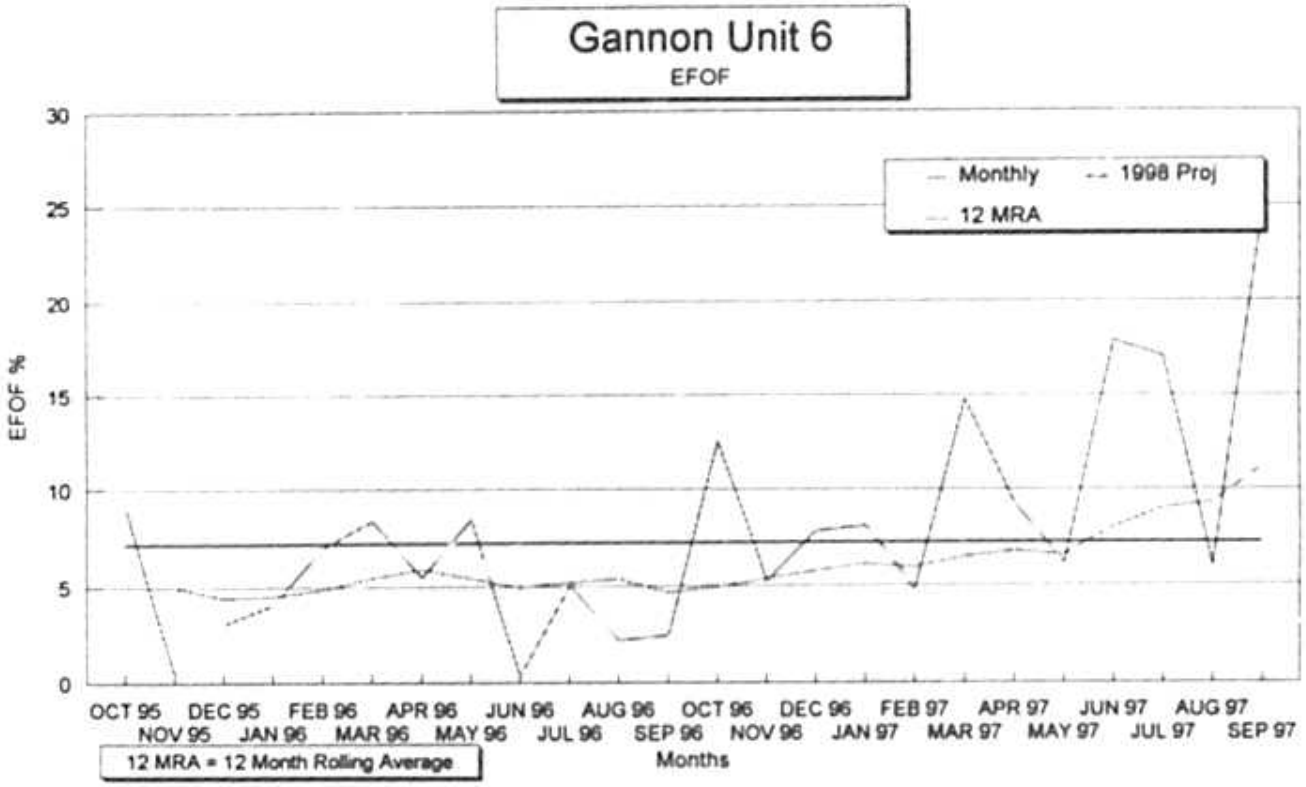
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EFOF
Monthly
1998 Proj
12 MRA
EFOF %
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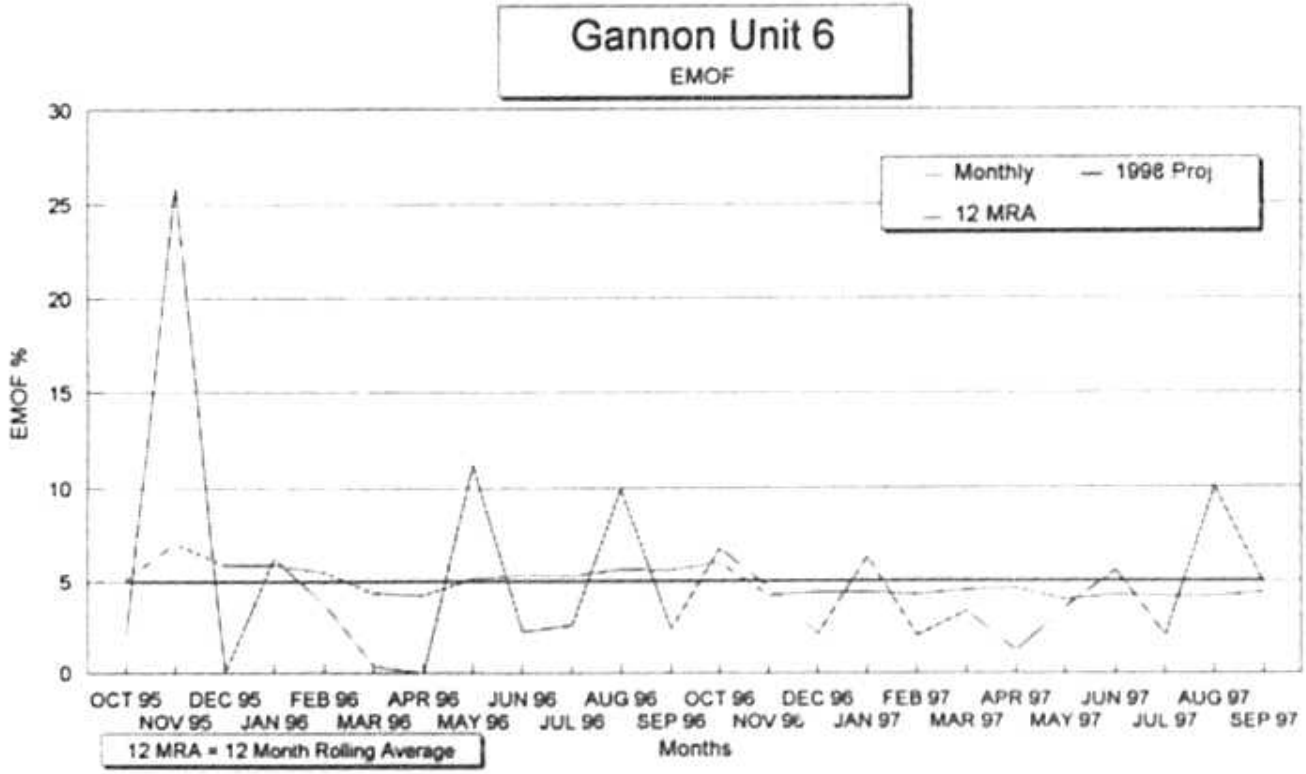
12 MRA = 12 Month Rolling Average


Gannon Unit 6
EMOF
Monthly
1998 Proj
12 MRA
EMOF %
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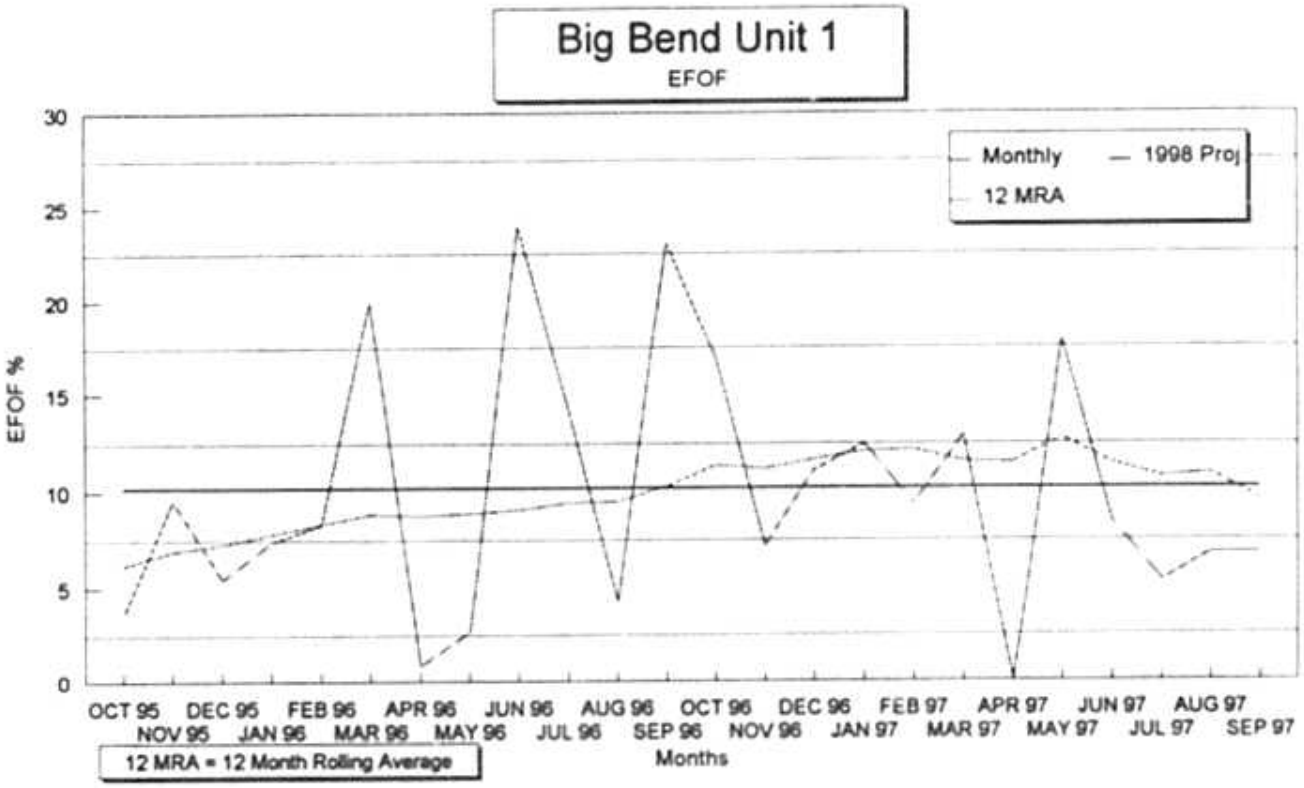
Big Bend Unit 1
EFOF
Monthly
12 MRA
1998 Proj
EFOF %
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OCT 95
NOV 95
DEC 95
JAN 96
FEB 96
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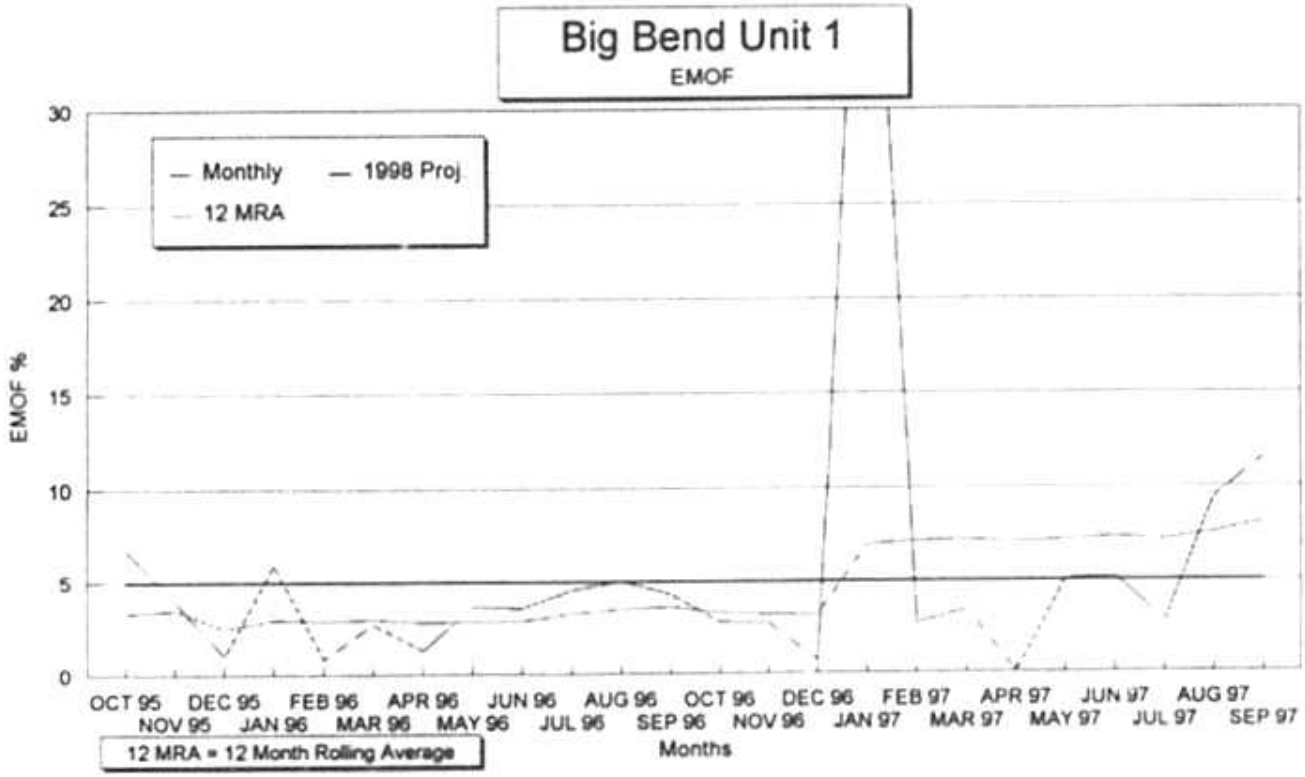
SEP 97
Months
12 MRA = 12 Month Rolling Average


Big Bend Unit 1
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Monthly
12 MRA
1998 Proj
EMOF %
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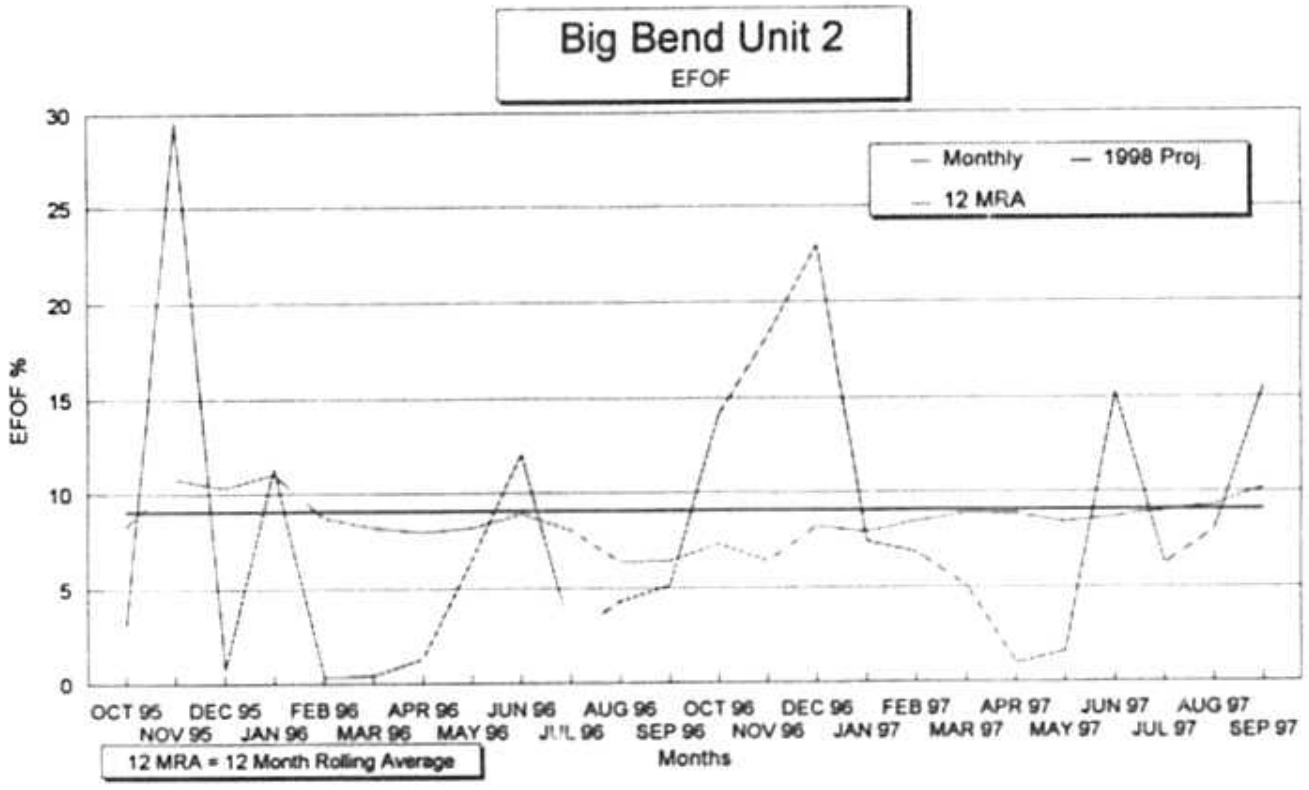
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Monthly
1998 Proj
12 MRA
EFOF %
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NOV 95
DEC 95
JAN 96
FEB 96
MAR 96
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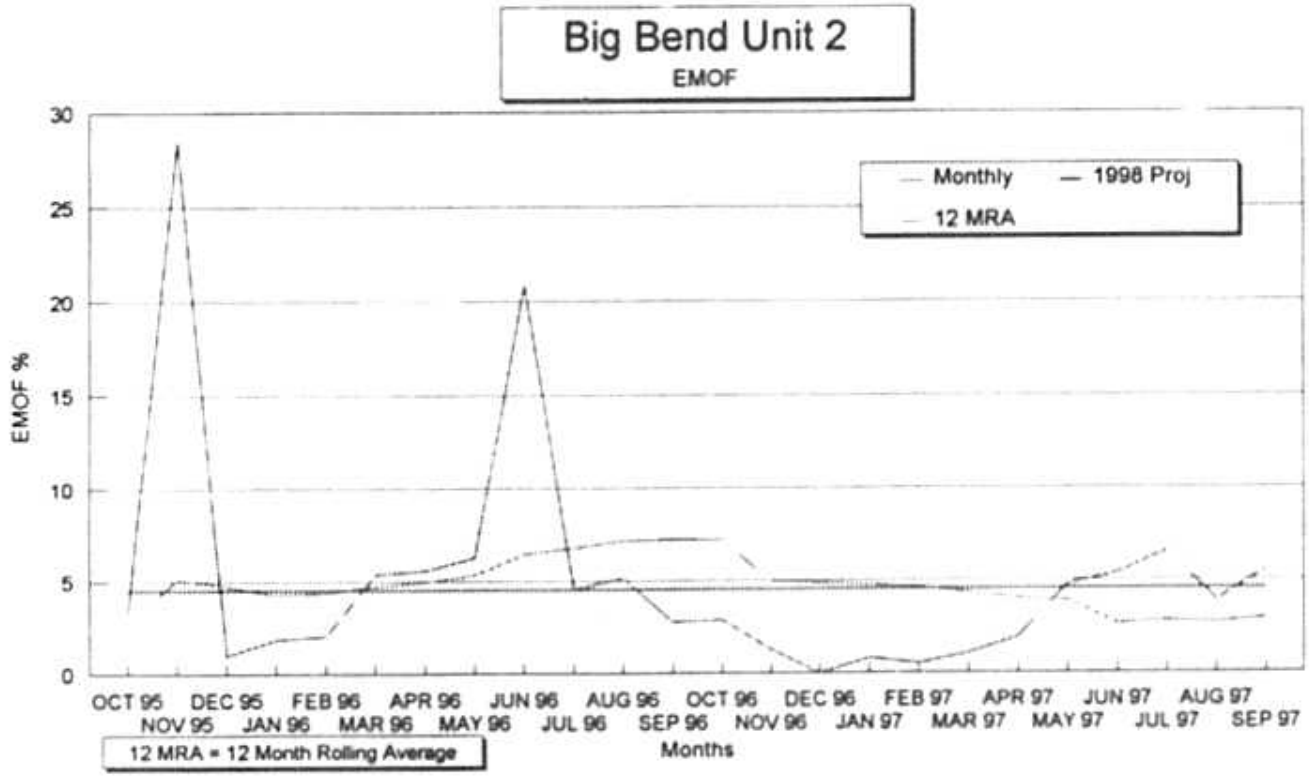
JUL 97
AUG 97
SEP 97
Months
12 MRA = 12 Month Rolling Average


Big Bend Unit 2
EMOF
Monthly
1998 Proj
12 MRA
EMOF %
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OCT 95
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DEC 95
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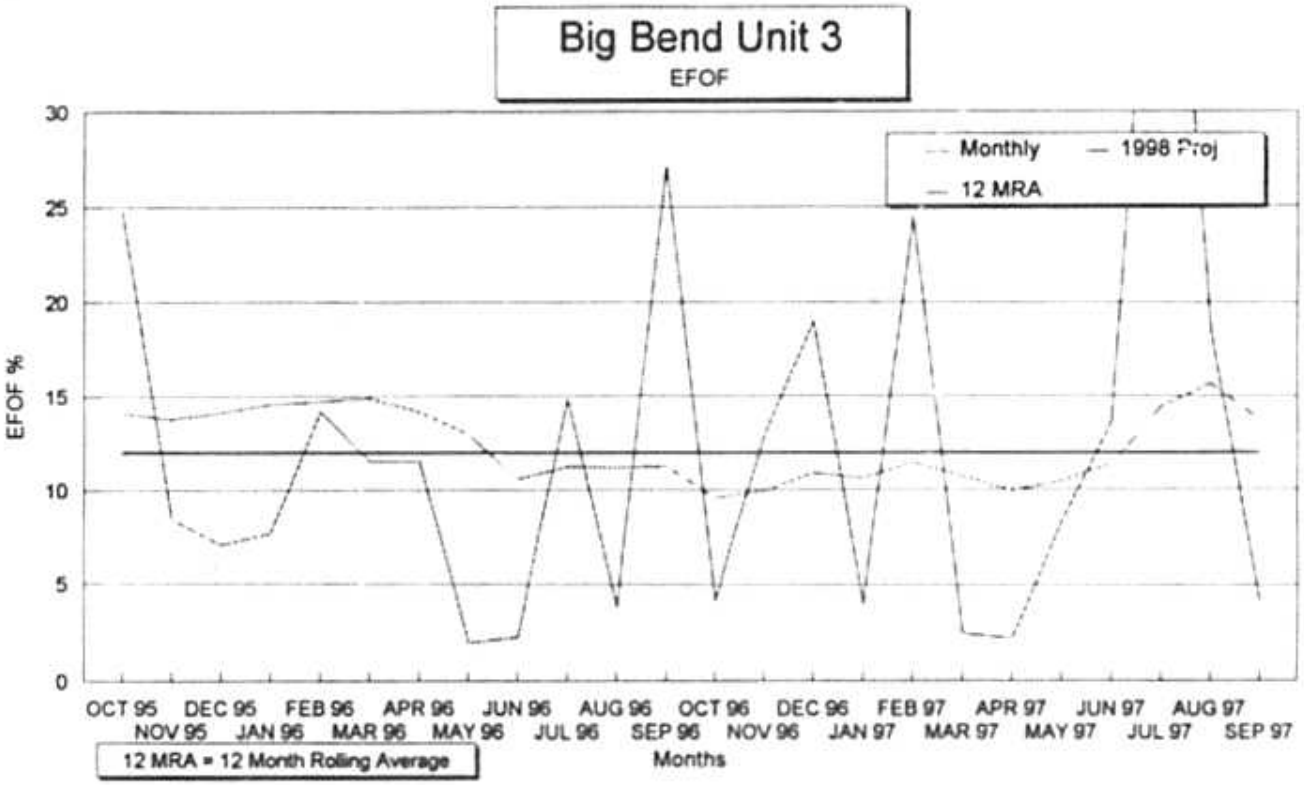
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EFOF
Monthly
1998 Proj
12 MRA
EFOF %
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OCT 95
NOV 95
DEC 95
JAN 96
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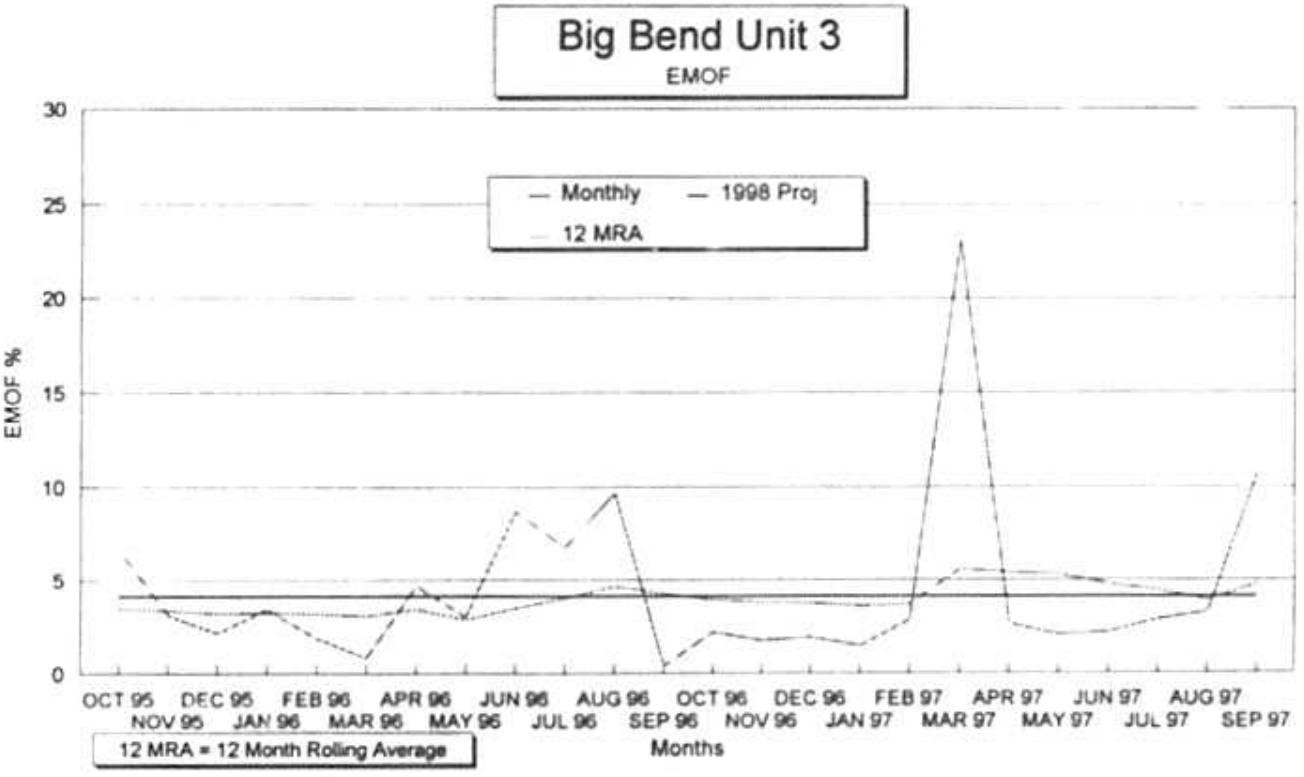
Big Bend Unit 3
EMOF
Monthly
1998 Proj
12 MRA
EMOF %
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25
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OCT 95
NOV 95
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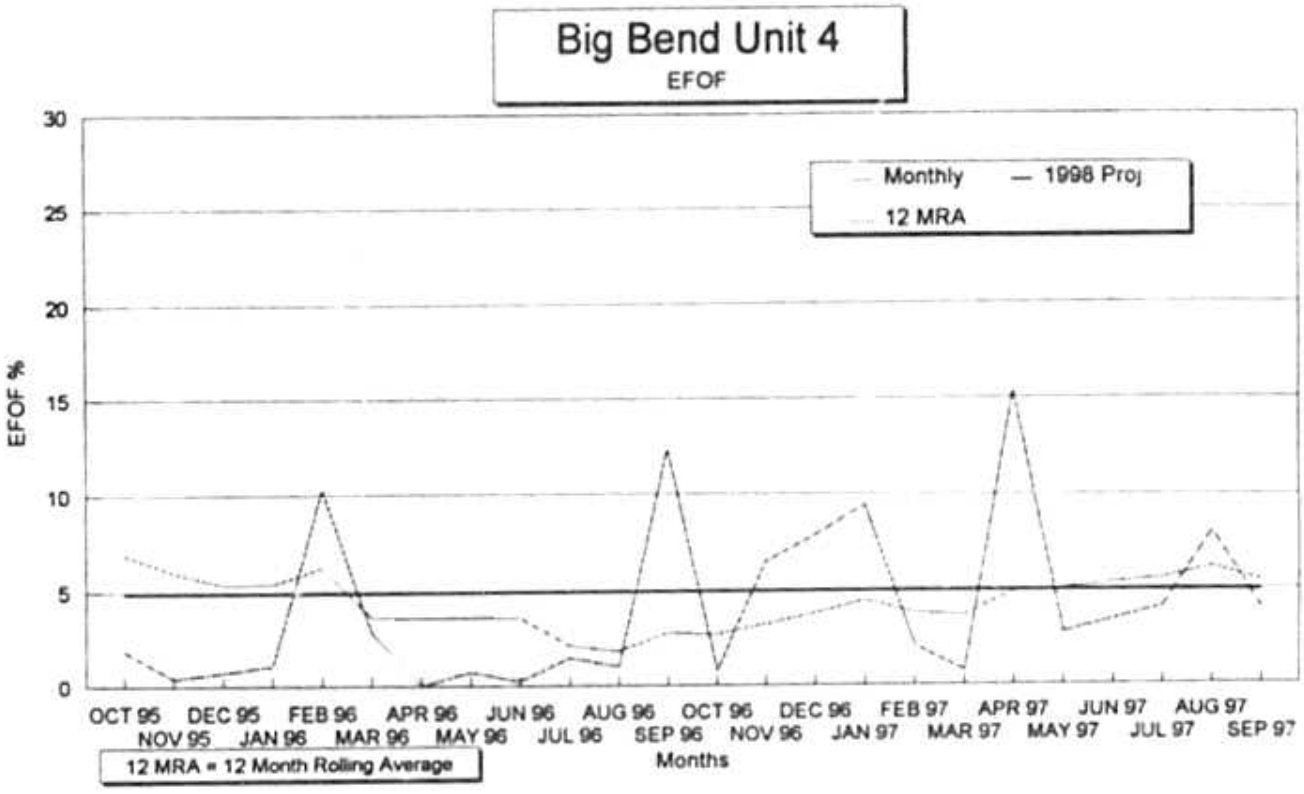
Big Bend Unit 4
EFOF
Monthly
12 MRA
1998 Proj
EFOF %
30
25
20
15
10
5
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OCT 95
NOV 95
DEC 95
JAN 96
FEB 96
MAR 96
APR 96
MAY 96
JUN 96
JUL 96
AUG 96
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NOV 96
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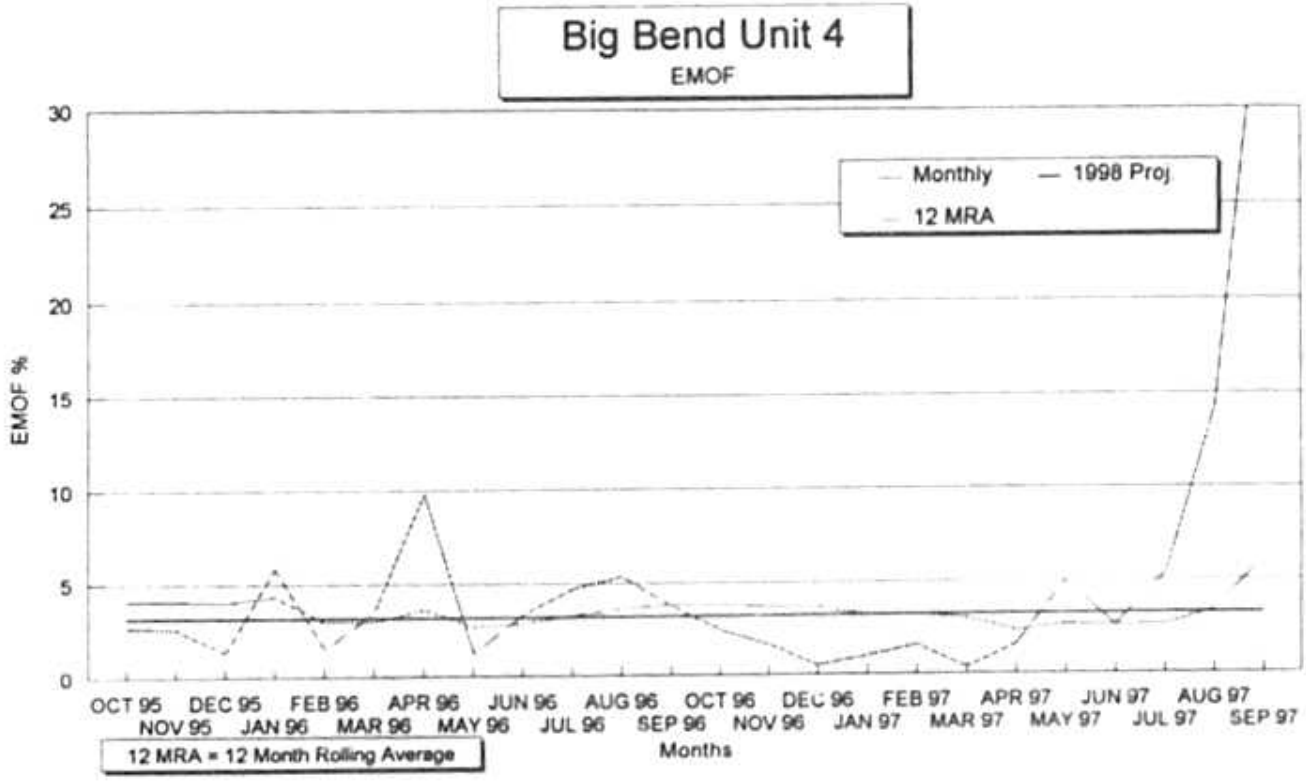
AUG 97
SEP 97
Months
12 MRA = 12 Month Rolling Average


Big Bend Unit 4
EMOF
Monthly
12 MRA
1998 Proj
EMOF %
30
25
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15
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OCT 95
NOV 95
DEC 95
JAN 96
FEB 96
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JAN 97
FEB 97
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MAY 97
JUN 97
JUL 97
AUG 97
SEP 97
Months
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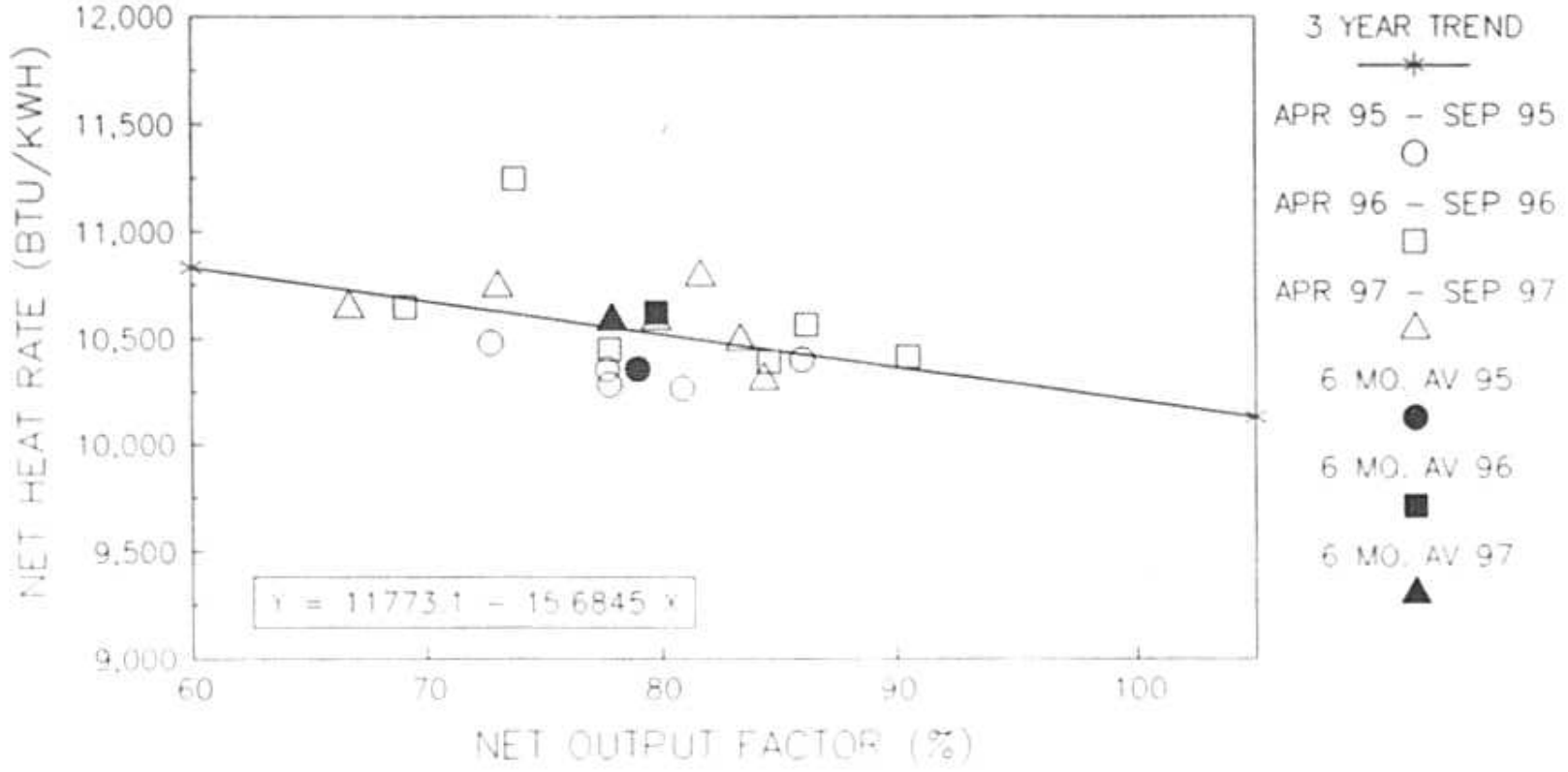
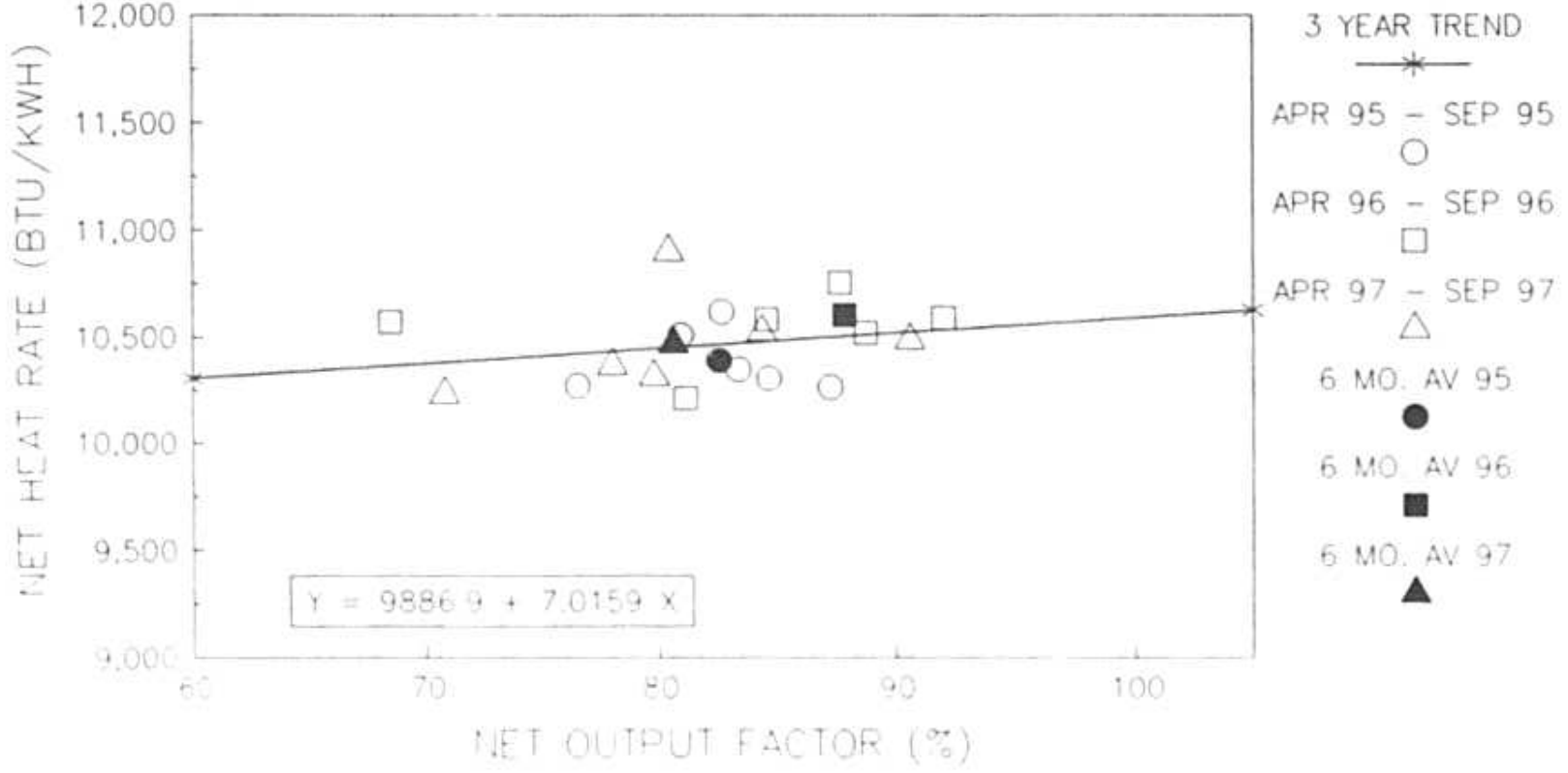
TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
GANNON 5, SUMMER 1998



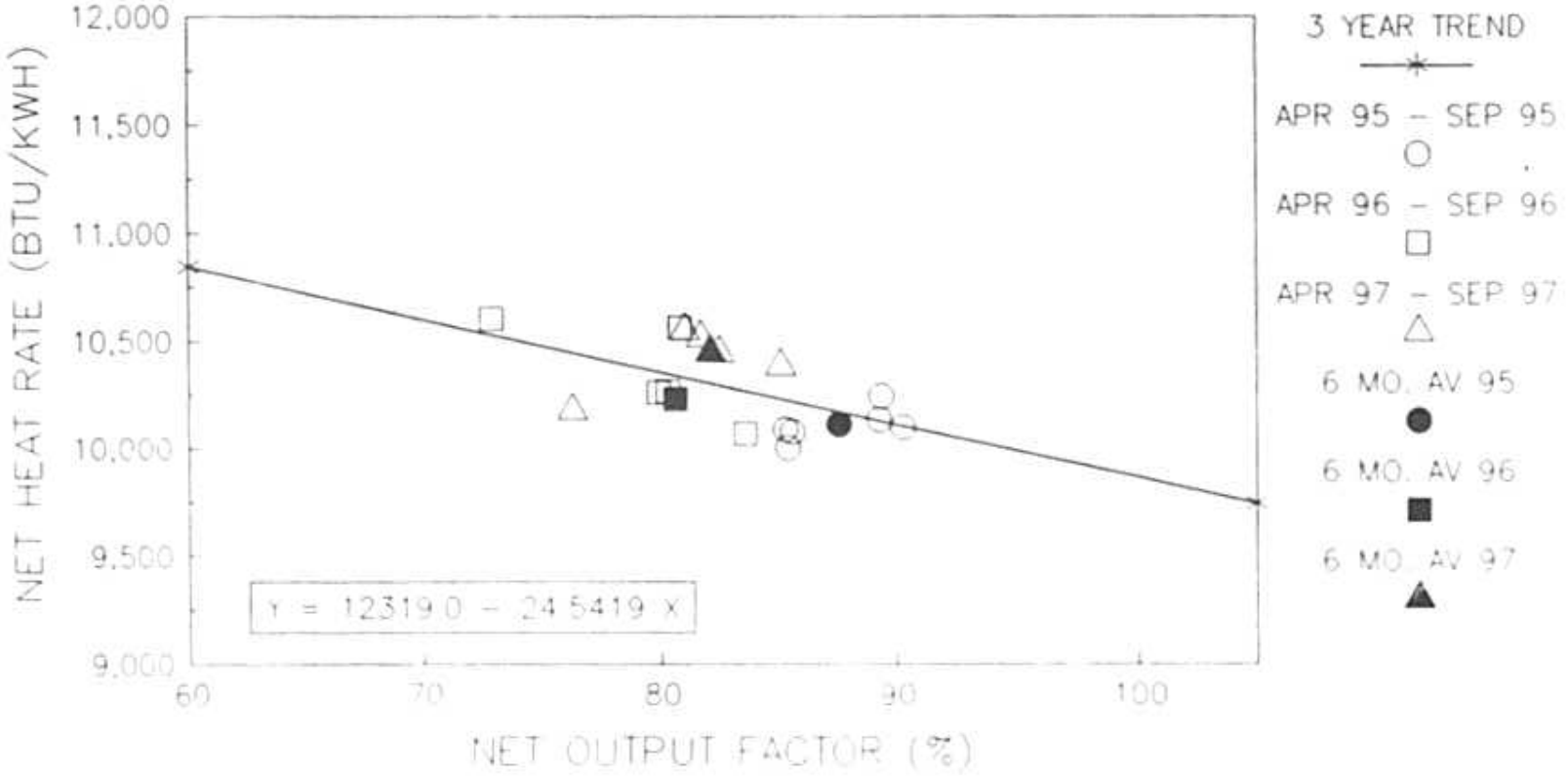
TARGET NET HEAT RATE: 10377
TARGET NET OUTPUT FACTOR: 89.0

TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
GANNON 6, SUMMER 1998



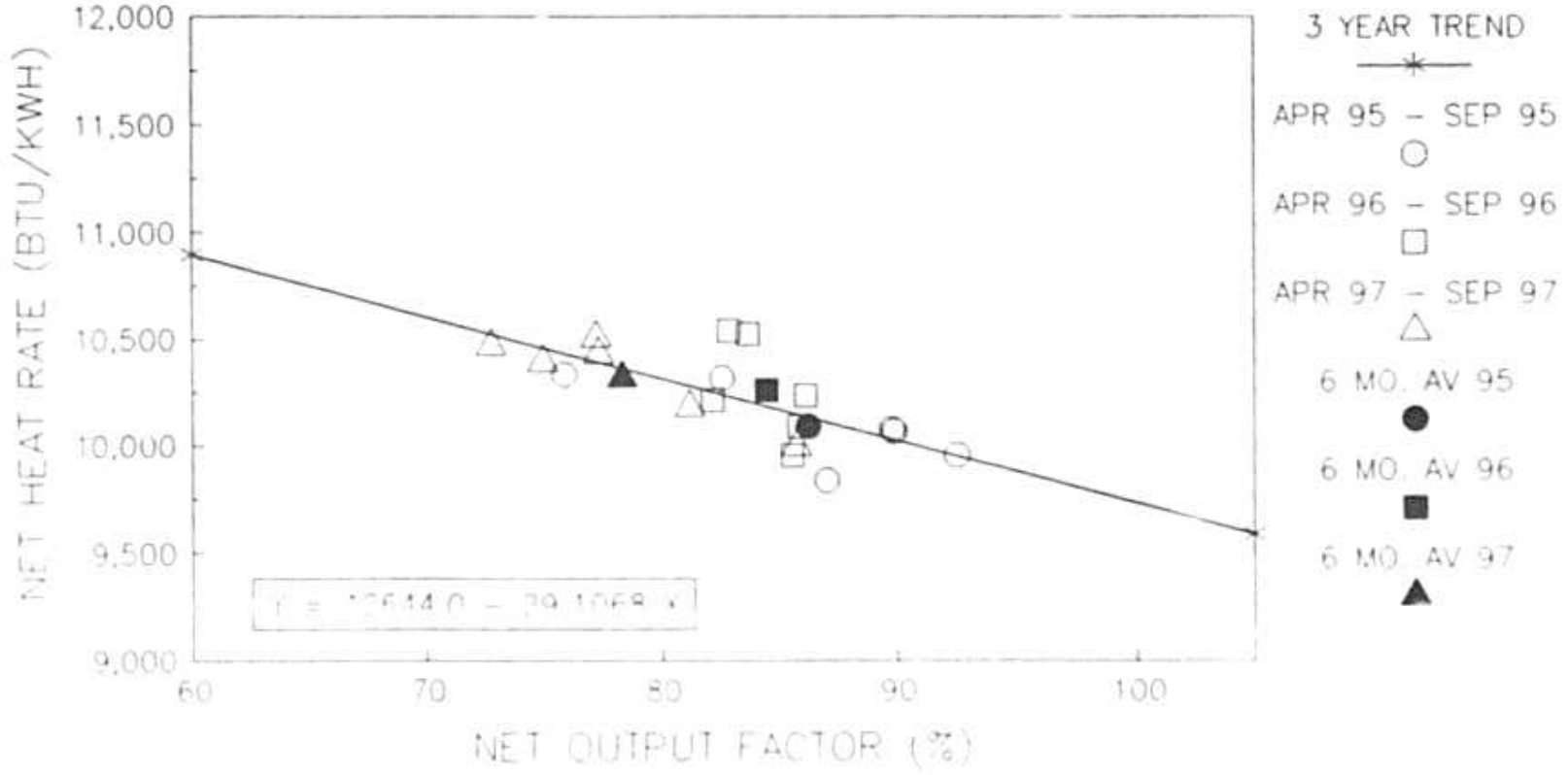
TARGET NET HEAT RATE: 10527
TARGET NET OUTPUT FACTOR: 91.3

TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
BIG BEND 1, SUMMER 1998



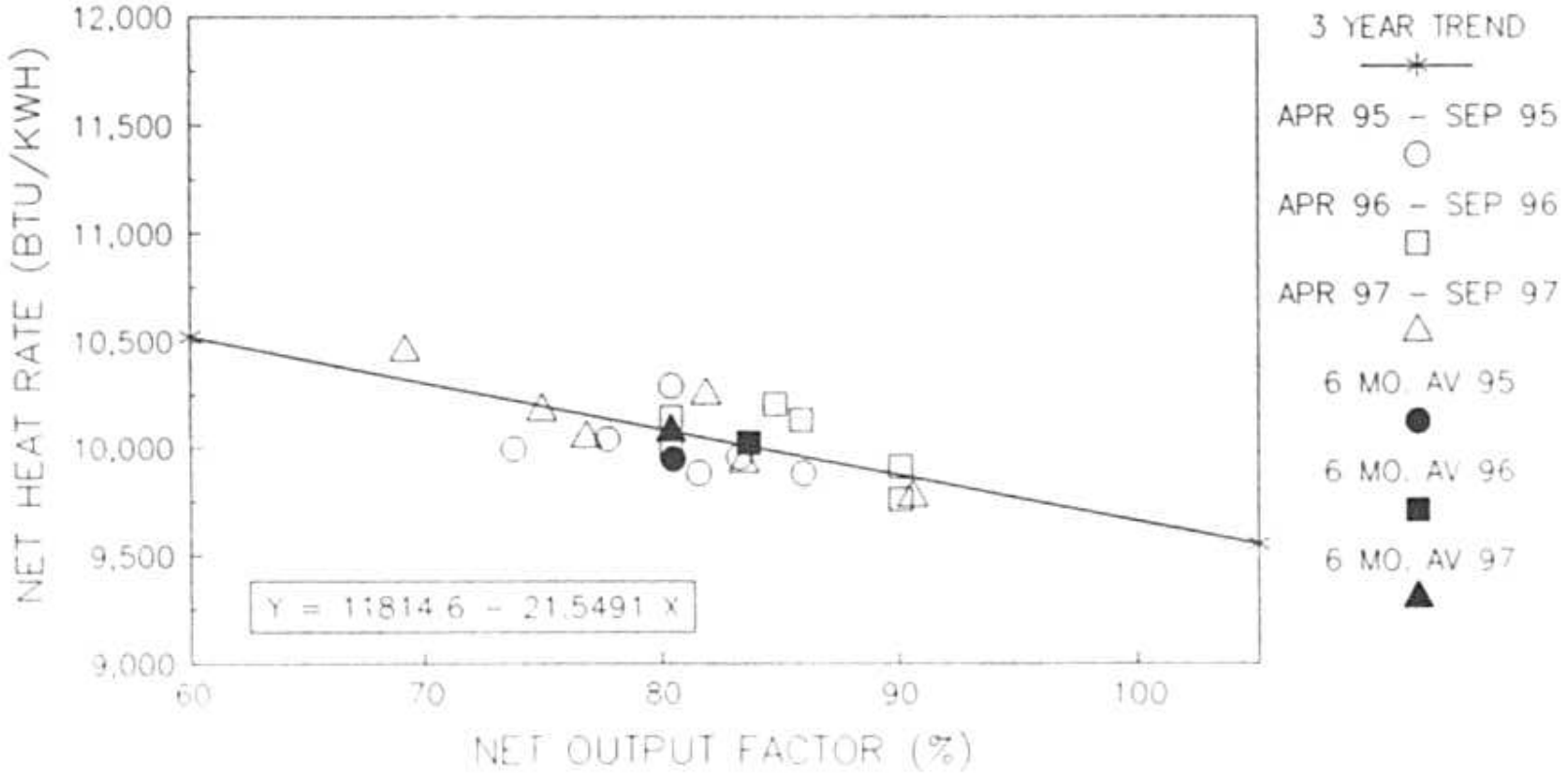
TARGET NET HEAT RATE: 10367
TARGET NET OUTPUT FACTOR: 83.6

TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
BIG BEND 2, SUMMER 1998



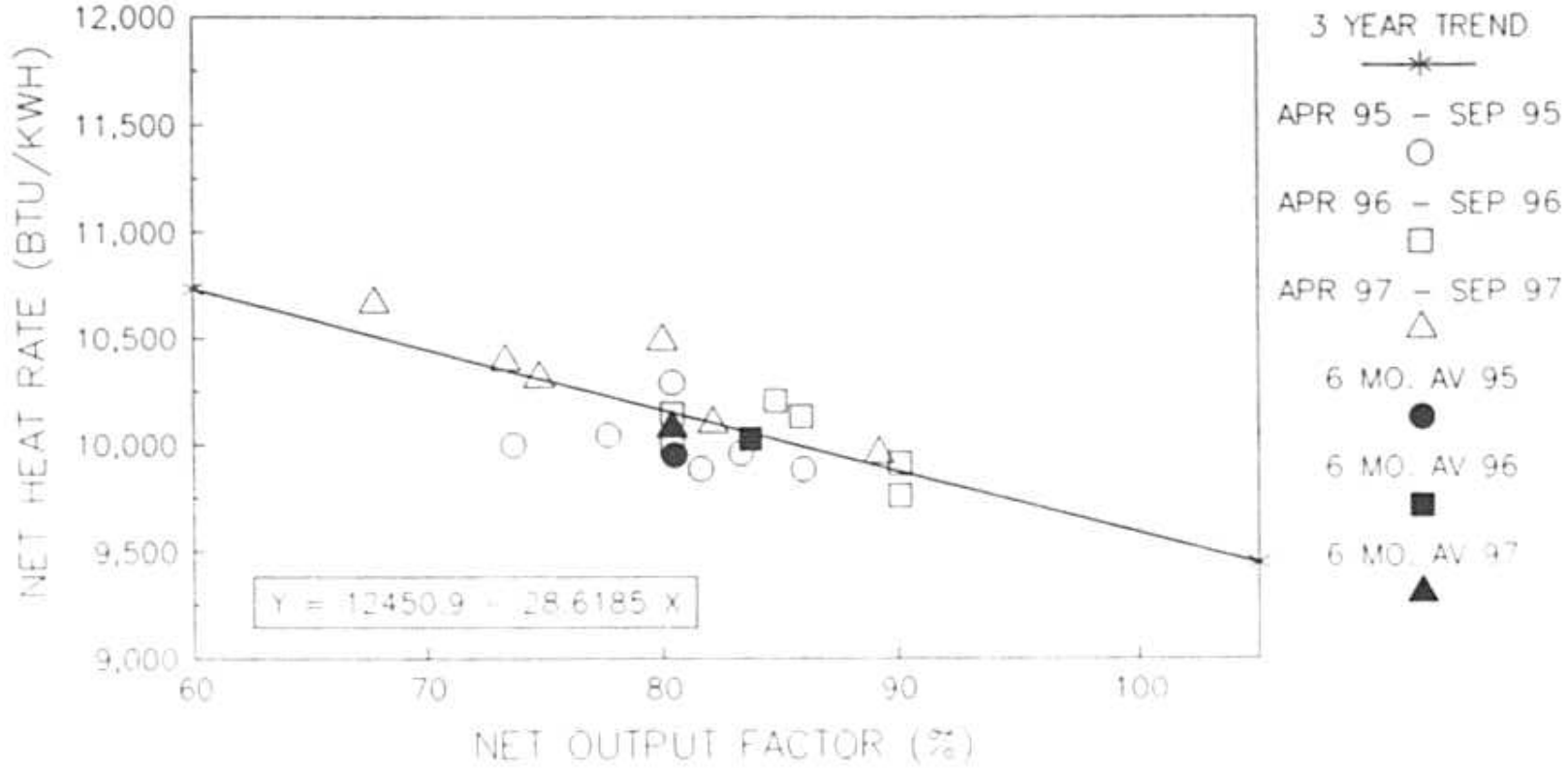
TARGET NET HEAT RATE 10225
TARGET NET OUTPUT FACTOR: 83.1

TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
BIG BEND 3, SUMMER 1998



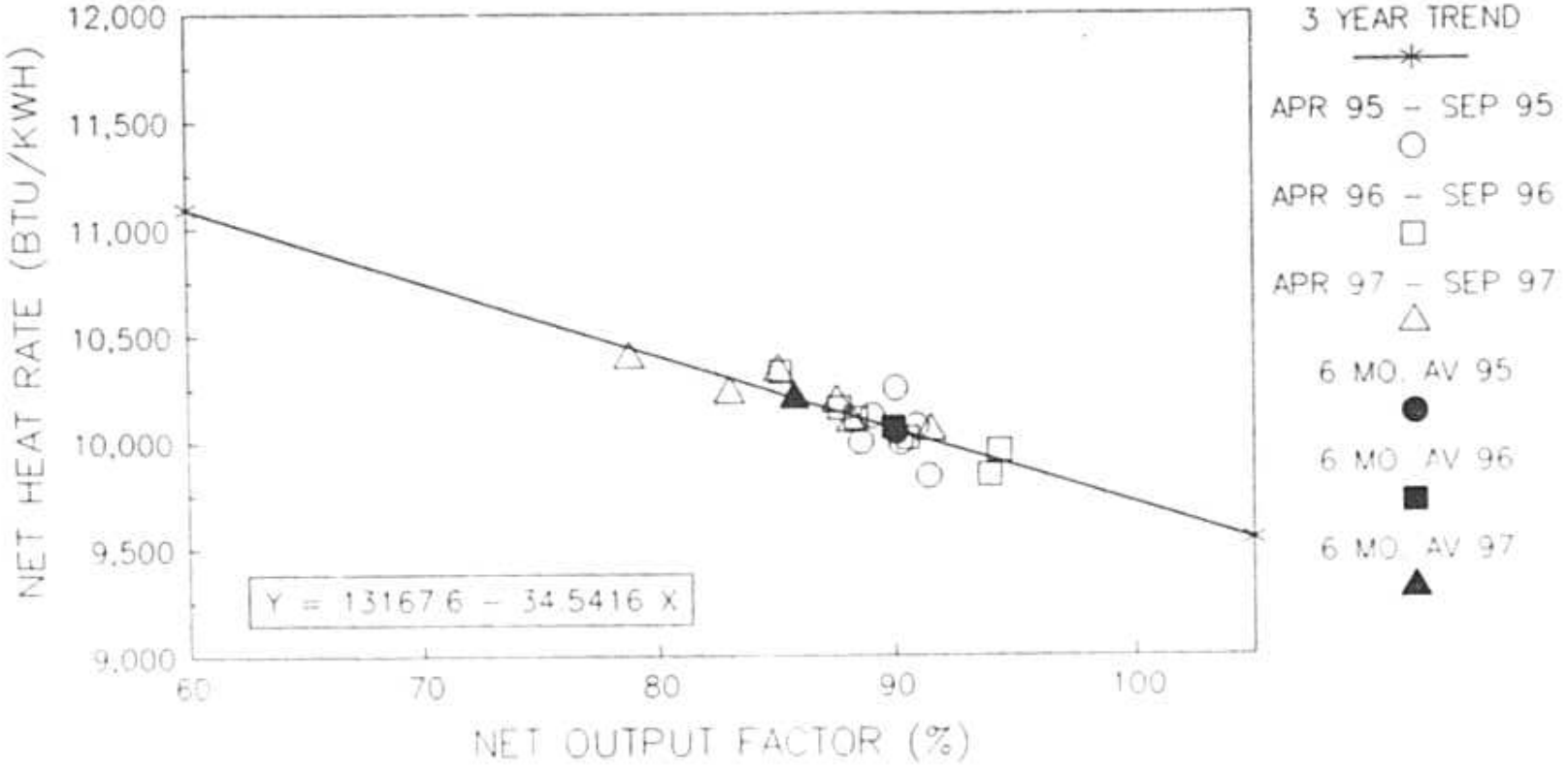
TARGET NET HEAT RATE: 9778
TARGET NET OUTPUT FACTOR: 94.5

TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
BIG BEND 3, SUMMER 1998



TARGET NET HEAT RATE 9746
TARGET NET OUTPUT FACTOR 94.5

TAMPA ELECTRIC COMPANY
HEAT RATE VS. NET OUTPUT FACTOR
BIG BEND 4, SUMMER 1998



TARGET NET HEAT RATE: 9831
TARGET NET OUTPUT FACTOR: 96.6

ORGINAL SHEET NO. 6.40.19B3E
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TAMPA ELECTRIC COMPANY
TABLE 4.2
GENERATING UNITS IN GPIF
APRIL 1998 - SEPTEMBER 1998

UNIT		MDC GROSS (MW)	NDC NET (MW)
GANNON 5		240	227
GANNON 6		375	362
BIG BEND 1		435	421
BIG BEND 2		430	416
BIG BEND 3		445	429
BIG BEND 4		470	442
	TOTAL	2395	2297
	SYSTEM TOTAL	3686	3478
	% OF SYSTEM TOTAL	64.98%	66.04%

TAMPA ELECTRIC COMPANY
UNITS RATINGS
APRIL 1998 - SEPTEMBER 1998

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		58	55
	HOOKERS TOTAL	200	192
GANNON 1		120	114
GANNON 2		115	108
GANNON 3		165	155
GANNON 4		180	169
GANNON 5		240	227
GANNON 6		375	362
	GANNON TOTAL	1195	1135
BIG BEND 1		435	421
BIG BEND 2		430	416
BIG BEND 3		445	428
BIG BEND 4		470	442
	BIG BEND TOTAL	1780	1707
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		315	250
	SYSTEM TOTAL	3686	3478

TAMPA ELECTRIC COMPANY
PERCENT GENERATION BY UNIT
APRIL 1998 - SEPTEMBER 1998

STATION	UNIT	NET OUTPUT MWH	% OF PROJECTED OUTPUT	% CUMULATIVE PROJECTED OUTPUT
BIG BEND	4	1,753,162	17.82%	17.82%
BIG BEND	3	1,607,419	16.33%	34.15%
BIG BEND	1	1,355,285	13.77%	47.92%
BIG BEND	2	1,074,473	10.92%	58.84%
GANNON	6	1,151,342	11.70%	70.54%
POLK		840,381	8.54%	79.08%
GANNON	5	682,266	6.93%	86.01%
GANNON	4	428,905	4.36%	90.37%
GANNON	3	397,932	4.04%	94.41%
GANNON	1	256,168	2.60%	97.02%
GANNON	2	176,817	1.80%	98.81%
HOOKERS POINT	5	19,438	0.20%	99.01%
HOOKERS POINT	4	16,220	0.16%	99.18%
HOOKERS POINT	1	14,438	0.15%	99.32%
HOOKERS POINT	2	12,723	0.13%	99.45%
HOOKERS POINT	3	12,301	0.13%	99.58%
PHILLIPS	1	10,431	0.11%	99.68%
PHILLIPS	2	10,208	0.10%	99.79%
BIG BEND CT	2	9,530	0.10%	99.88%
BIG BEND CT	3	8,302	0.08%	99.97%
BIG BEND CT	1	1,594	0.02%	99.99%
GANNON CT	1	1,453	0.01%	100.00%
TOTAL GENERATION		9,840,788	100.00%	

GENERATION BY COAL UNITS	9,724,150	MWH
% GENERATION BY COAL UNITS	98.81%	
GENERATION BY OIL UNITS	116,638	MWH
% GENERATION BY OIL UNITS	1.19%	
GENERATION BY GPIF UNITS	7,623,947	MWH
% GENERATION BY GPIF UNITS	77.47%	

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
APRIL 1998 - SEPTEMBER 1998
TABLE OF CONTENTS

TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1998 - SEPTEMBER 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 1	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1. EAF (%)	84.8	46.5	84.9	84.8	84.8	84.9	78.3
2. POF	0.0	45.2	0.0	0.0	0.0	0.0	7.7
3. EUOF	15.2	8.3	15.1	15.2	15.2	15.1	14.0
4. EUOR	15.2	15.2	15.1	15.2	15.2	15.1	15.2
5. PH	719	744	720	744	744	720	4391
6. SH	631	652	631	652	652	631	3849
7. RSH	0	0	0	0	0	0	0
8. UH	88	92	89	92	92	89	542
9. POH	0	336	0	0	0	0	336
10. FOH & EFOH	73	42	73	76	76	73	413
11. MOH & EMOH	36	20	36	37	37	36	202
12. OPER BTU (GBTU)	2120.115	2393.865	2306.252	2394.573	2445.504	2255.806	13915.115
13. NET GEN (MWH)	207322	234521	224742	231572	237094	220034	1355285
14. ANOHR (BTU/KWH)	0	10207	10257	10341	10314	10252	10267
15. NOF (%)	0.0	85.4	84.6	84.4	86.4	82.8	83.6
16. NSC (MW)	421	421	421	421	421	421	421
17. ANOHR EQUATION	ANOHR = NOF(-24.5419) + 12319.0						

FILED
SUSPENDED
EFFECTIVE 04/01/98
DOCKET NO 980001-EI
ORDER NO

TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1998 - SEPTEMBER 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF	PERIOD
BIG BEND 2	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1 EAF (%)	86.5	86.4	86.4	86.4	86.4	86.4	86.4
2 POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 EUOF	13.5	13.6	13.6	13.6	13.6	13.6	13.6
4 EUOR	13.5	13.6	13.6	13.6	13.6	13.6	13.6
5 PH	719	744	720	744	744	720	4391
6 SH	0	475	647	669	669	647	3107
7 RSH	0	0	0	0	0	0	0
8 UH	719	269	73	75	75	73	1284
9 POH	0	0	0	0	0	0	0
10 FOH & EFOH	65	68	66	68	68	66	401
11 MOH & EMOH	32	33	32	33	33	32	195
12 OPER BTU (GBTU)	0.000	1684.908	2290.572	2356.762	2403.776	2250.711	10986.729
13 NET GEN (MWH)	0	165727	224263	229579	234675	220229	1074473
14 ANOHR (BTU/KWH)	ERR	10167	10214	10266	10243	10220	10225
15 NOF (%)	ERR	83.9	83.3	82.5	84.3	81.8	83.1
16 NSC (MW)	416	416	416	416	416	416	416
17 ANOHR EQUATION	ANOHR = NOF(-29.1066) + 12644.0						

FILED
SUSPENDED
EFFECTIVE 04/01/98
DOCKET NO 980001-EI
ORDER NO

TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

APRIL 1998 - SEPTEMBER 1998

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 3 FADJ	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1. EAF (%)	0.0	75.7	83.9	83.9	83.9	83.9	68.8
2. POF	100.0	9.7	0.0	0.0	0.0	0.0	18.0
3. EUOF	0.0	14.7	16.1	16.1	16.1	16.1	13.2
4. EUOR	0.0	16.2	16.1	16.1	16.1	16.1	16.1
5. PH	719	744	720	744	744	720	4391
6. SH	650	672	650	672	672	650	3966
7. RSH	0	0	0	0	0	0	0
8. UH	69	72	70	72	72	70	425
9. POH	719	72	0	0	0	0	791
10. FOH & EFOH	0	81	86	89	89	86	431
11. MOH & EMOH	0	28	30	31	31	30	150
12. OPER BTU (GBTU)	2448.122	2599.786	2543.096	2658.159	2665.870	2548.473	15463.506
13. NET GEN (MWH)	250159	265862	259957	268770	269553	260530	1574831
14. ANOHR (BTU/KWH)	9786	9779	9783	9890	9890	9782	9819
15. NOF (%)	89.7	92.2	93.2	93.2	93.5	93.4	92.6
16. NSC (MW)	429	429	429	429	429	429	429
17. ANOHR EQUATION	ANOHR = NOF(-21.5491) + 11814.6						

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BIG BEND 4	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1. EAF (%)	91.9	91.9	91.9	91.9	91.9	91.9	91.9
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	8.1	8.1	8.1	8.1	8.1	8.1	8.1
4. EUOR	8.1	8.1	8.1	8.1	8.1	8.1	8.1
5. PH	719	744	720	744	744	720	4391
6. SH	673	696	673	696	696	673	4107
7. RSH	0	0	0	0	0	0	0
8. UH	46	48	47	48	48	47	284
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	35	36	35	36	36	35	213
11. MOH & EMOH	23	24	23	24	24	23	141
12. OPER BTU (GBTU)	2808.084	2916.288	2820.716	2927.185	2941.222	2821.623	17235.118
13. NET GEN (MWH)	288392	299012	286648	295509	296863	286737	1753161
14. ANOHR (BTU/KWH)	9737	9753	9840	9906	9908	9840	9831
15. NOF (%)	96.9	97.2	96.4	96.1	96.5	96.4	96.6
16. NSC (MW)	442	442	442	442	442	442	442

17. ANOHR EQUATION ANOHR = NOF(-34.5416) + 13167.6

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GANNON 1	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1 EAF (%)	84.0	84.0	84.0	84.0	84.0	25.1	74.4
2 POF	0.0	0.0	0.0	0.0	0.0	70.0	11.5
3 EUOF	16.0	16.0	16.0	16.0	16.0	4.9	14.2
4 EUOR	16.0	16.0	16.0	16.0	16.0	16.2	16.0
5 PH	719	744	720	744	744	720	4391
6 SH	413	456	439	450	446	124	2328
7 RSH	0	0	0	0	0	0	0
8 UH	306	288	281	294	298	596	2063
9 POH	0	0	0	0	0	504	504
10 FOH & EFOH	68	71	68	71	71	21	370
11 MOH & EMOH	47	48	47	48	48	14	252
12 OPER BTU (GBTU)	503.055	599.237	599.370	589.285	584.495	161.481	3036.923
13 NET GEN (MWH)	43351	49666	49075	50308	49899	13869	256168
14 ANOHR (BTU/KWH)	11604	12065	12213	11714	11714	11643	11855
15 NOF (%)	92.1	95.5	98.1	98.1	98.1	98.1	96.5
16 NSC (MW)	114	114	114	114	114	114	114

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GANNON 2	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1. EAF (%)	82.2	82.3	0.0	13.3	82.3	82.2	57.1
2. POF	0.0	0.0	100.0	83.9	0.0	0.0	30.6
3. EUOF	17.8	17.7	0.0	2.8	17.7	17.8	12.3
4. EUOR	17.8	17.7	0.0	17.5	17.7	17.8	17.8
5. PH	719	744	720	744	744	720	4391
6. SH	346	461	78	0	457	415	1757
7. RSH	0	0	0	0	0	0	0
8. UH	373	283	642	744	287	305	2634
9. POH	0	0	720	624	0	0	1344
10. FOH & EFOH	86	89	0	14	89	86	364
11. MOH & EMOH	42	43	0	7	43	42	177
12. OPER BTU (GBTU)	401.742	557.674	96.701	0.000	575.615	504.278	2136.010
13. NET GEN (MWH)	33896	46707	8003	0	46509	41702	176817
14. ANOHR (BTU/KWH)	11852	11940	12083	ERR	12376	12092	12080
15. NOF (%)	90.7	93.8	95.0	ERR	94.2	93.0	93.2
16. NSC (MW)	108	108	108	108	108	108	108

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GANNON 3	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1. EAF (%)	84.6	84.5	84.6	84.5	84.5	84.6	84.6
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	15.4	15.5	15.4	15.5	15.5	15.4	15.4
4. EUOR	15.4	15.5	15.4	15.5	15.5	15.4	15.4
5. PH	719	744	720	744	744	720	4391
6. SH	447	467	450	459	466	410	2699
7. RSH	0	0	0	0	0	0	0
8. UH	272	277	270	285	278	310	1692
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	79	82	79	82	82	79	483
11. MOH & EMOH	32	33	32	33	33	32	195
12. OPER BTU (GBTU)	727.625	794.451	776.868	796.877	803.788	700.159	4599.768
13. NET GEN (MWH)	63528	68905	67182	68602	69185	60530	397932
14. ANOHR (BTU/KWH)	11454	11530	11564	11616	11618	11567	11559
15. NOF (%)	91.7	95.2	96.3	96.4	95.8	95.2	95.1
16. NSC (MW)	155	155	155	155	155	155	155

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GANNON 4	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1. EAF (%)	83.9	83.9	83.9	83.9	83.9	64.3	80.7
2. POF	0.0	0.0	0.0	0.0	0.0	23.3	3.8
3. EUOF	16.1	16.1	16.1	16.1	16.1	12.4	15.5
4. EUOR	16.1	16.1	16.1	16.1	16.1	16.1	16.1
5. PH	719	744	720	744	744	720	4391
6. SH	455	504	456	460	467	375	2717
7. RSH	0	0	0	0	0	0	0
8. UH	264	240	264	284	277	345	1674
9. POH	0	0	0	0	0	168	168
10. FOH & EFOH	80	83	80	83	83	61	470
11. MOH & EMOH	36	37	36	37	37	28	211
12. OPER BTU (GBTU)	741.148	837.150	839.630	831.571	831.858	682.074	4763.431
13. NET GEN (MWH)	65665	81263	74624	73437	73356	60560	428905
14. ANOHR (BTU/KWH)	11287	10302	11251	11324	11340	11263	11106
15. NOF (%)	80.6	90.1	91.4	89.2	87.8	90.2	88.2
16. NSC (MW)	179	179	179	179	179	179	179

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GANNON 5	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1. EAF (%)	84.8	84.8	84.9	84.8	84.8	84.9	84.8
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	15.2	15.2	15.1	15.2	15.2	15.1	15.2
4. EUOR	15.2	15.2	15.1	15.2	15.2	15.1	15.2
5. PH	719	744	720	744	744	720	4391
6. SH	520	579	565	582	577	554	3377
7. RSH	0	0	0	0	0	0	0
8. UH	199	165	155	162	167	166	1014
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	91	94	91	94	94	91	555
11. MOH & EMOH	18	19	18	19	19	18	111
12. OPER BTU (GBTU)	1012.687	1208.767	1190.892	1242.364	1258.846	1166.432	7079.988
13. NET GEN (MWH)	98860	117790	114682	118414	120145	112374	682265
14. ANOHR (BTU/KWH)	10244	10262	10384	10492	10478	10380	10377
15. NOF (%)	83.8	89.6	89.4	89.6	91.7	89.4	89.0
16. NSC (MW)	227	227	227	227	227	227	227
17. ANOHR EQUATION	ANOHR = NOF(-15.6845) + 11773.1						

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GANNON 6	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1. EAF (%)	87.8	48.1	87.8	87.8	87.8	87.8	81.1
2. POF	0.0	45.2	0.0	0.0	0.0	0.0	7.7
3. EUOF	12.2	6.7	12.2	12.2	12.2	12.2	11.3
4. EUOR	12.2	12.2	12.2	12.2	12.2	12.2	12.2
5. PH	719	744	720	744	744	720	4391
6. SH	589	188	664	688	691	664	3484
7. RSH	0	0	0	0	0	0	0
8. UH	130	556	56	56	53	56	907
9. POH	0	336	0	0	0	0	336
10. FOH & EFOH	52	29	52	54	54	52	292
11. MOH & EMOH	36	20	36	37	37	36	203
12. [illegible]R BTU (GBTU)	1992.805	662.217	2299.682	2403.682	2461.654	2300.657	12120.697
13. NET GEN (MWH)	190715	63435	218368	227292	232992	218540	1151342
14. ANOHR (BTU/KWH)	0	10439	10531	10575	10565	10527	10527
15. NOF (%)	0.0	93.2	90.8	91.3	93.1	90.9	91.3
16. NSC (MW)	362	362	362	362	362	362	362

17. ANOHR EQUATION ANOHR = NOF(7.0159) + 9886.9

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HOOKERS PT 1	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1 EAF (%)	93.0	93.0	93.1	93.0	93.0	93.1	93.0
2 POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 EUOF	7.0	7.0	6.9	7.0	7.0	6.9	7.0
4 EUOR	7.0	7.0	6.9	7.0	7.0	6.9	7.0
5 PH	719	744	720	744	744	720	4391
6 SH	32	78	89	117	105	52	473
7 RSH	0	0	0	0	0	0	0
8 UH	687	666	631	627	639	668	3918
9 POH	0	0	0	0	0	0	0
10 FOH & EFOH	35	36	35	36	36	35	213
11 MOH & EMOH	15	16	15	16	16	15	93
12 OPER BTU (GBTU)	16.942	37.371	43.154	57.460	51.294	24.821	231.042
13 NET GEN (MWH)	1029	2350	2722	3579	3194	1564	14438
14 ANOHR (BTU/KWH)	16465	15903	15854	16055	16059	15870	16002
15 NOF (%)	100.5	94.2	95.6	95.6	95.1	94.0	95.4
16 NSC (MW)	32	32	32	32	32	32	32

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HOOKERS PT 2	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1 EAF (%)	93 0	93.0	93 1	93.0	93 0	93 1	93 0
2 POF	0 0	0 0	0 0	0 0	0 0	0 0	0 0
3 EUOF	7.0	7 0	6 9	7 0	7 0	6 9	7 0
4 EUOR	7.0	7 0	6 9	7 0	7 0	6 9	7 0
5 PH	719	744	720	744	744	720	4391
6 SH	37	61	74	108	96	41	417
7 RSH	0	0	0	0	0	0	0
8 UH	682	683	646	636	648	679	3974
9 POH	0	0	0	0	0	0	0
10 FOH & EFOH	35	36	35	36	36	35	213
11 MOH & EMOH	15	16	15	16	16	15	93
12 OPER BTU (GBTU)	19 159	29 191	36 158	52 747	46 739	19 728	203 722
13 NET GEN (MWH)	1175	1839	2268	3289	2914	1237	12722
14 ANOHR (BTU/KWH)	16306	15873	15943	16037	16039	15948	16013
15 NOF (%)	99 2	94 2	95 8	95 2	94 9	94 3	95 3
16 NSC (MW)	32	32	32	32	32	32	32

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HOOKERS PT 3	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1. EAF (%)	93.0	93.0	93.1	93.0	93.0	93.1	93.0
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	7.0	7.0	6.9	7.0	7.0	6.9	7.0
4. EUOR	7.0	7.0	6.9	7.0	7.0	6.9	7.0
5. PH	719	744	720	744	744	720	4391
6. SH	52	86	82	73	64	46	403
7. RSH	0	0	0	0	0	0	0
8. UH	667	658	638	671	680	674	3988
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	35	36	35	36	36	35	213
11. MOH & EMOH	15	16	15	16	16	15	93
12. OPER BTU (GBTU)	26.715	41.003	39.481	36.763	31.761	22.171	197.894
13. NET GEN (MWH)	1658	2606	2484	2232	1928	1394	12302
14. ANOHR (BTU/KWH)	16113	15734	15894	16471	16474	15905	16086
15. NOF (%)	99.6	94.7	94.7	95.5	94.1	94.7	95.4
16. NSC (MW)	32	32	32	32	32	32	32

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HOOKERS PT 4	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1. EAF (%)	93.0	93.0	93.1	93.0	93.0	93.1	93.0
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	7.0	7.0	6.9	7.0	7.0	6.9	7.0
4. EUOR	7.0	7.0	6.9	7.0	7.0	6.9	7.0
5. PH	719	744	720	744	744	720	4391
6. SH	60	70	68	99	87	36	420
7. RSH	0	0	0	0	0	0	0
8. UH	659	674	652	645	657	684	3971
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	35	36	35	36	36	35	213
11. MOH & EMOH	15	16	15	16	16	15	93
12. OPER BTU (GBTU)	38.144	42.346	42.209	62.249	54.777	22.293	262.018
13. NET GEN (MWH)	2397	2665	2614	3811	3353	1380	16220
14. ANOHR (BTU/KWH)	15913	15890	16147	16334	16337	16154	16154
15. NOF (%)	97.4	92.9	93.8	93.9	94.0	93.5	94.2
16. NSC (MW)	41	41	41	41	41	41	41

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HOOKERS PT 5	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1. EAF (%)	85.0	84.8	84.9	84.8	84.8	84.9	84.9
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	15.0	15.2	15.1	15.2	15.2	15.1	15.1
4. EUOR	15.0	15.2	15.1	15.2	15.2	15.1	15.1
5. PH	719	744	720	744	744	720	4391
6. SH	40	48	53	77	67	27	312
7. RSH	0	0	0	0	0	0	0
8. UH	679	696	667	667	677	693	4079
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	79	82	79	82	82	79	483
11. MOH & EMOH	29	31	30	31	31	30	182
12. OPER BTU (GBTU)	40 156	48 015	54 165	79 706	69 218	27 197	318 459
13. NET GEN (MWH)	2477	2946	3311	4843	4204	1658	19439
14. ANOHR (BTU/KWH)	16212	16298	16359	16458	16465	16403	16382
15. NOF (%)	112.6	111.6	113.6	114.4	114.1	111.6	113.3
16. NSC (MW)	55	55	55	55	55	55	55

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GANNON CT 1	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1 EAF (%)	77.9	77.8	77.9	42.6	77.8	41.5	65.9
2 POF	0.0	0.0	0.0	45.2	0.0	46.7	15.3
3 EUOF	22.1	22.2	22.1	12.2	22.2	11.8	18.8
4 EUOR	22.1	22.2	22.1	22.3	22.2	22.1	22.2
5 PH	719	744	720	744	744	720	4391
6 SH	13	16	17	15	27	11	99
7 RSH	0	0	0	0	0	0	0
8 UH	706	728	703	729	717	709	4292
9 POH	0	0	0	336	0	336	672
10 FOH & EFOH	144	149	144	82	149	77	745
11 MOH & EMOH	15	16	15	9	16	8	79
12 OPER BTU (GBTU)	3.967	4.897	5.289	4.833	8.316	3.499	30.801
13 NET GEN (MWH)	187	231	250	228	392	165	1453
14 ANOHR (BTU/KWH)	21214	21199	21156	21197	21214	21206	21198
15 NOF (%)	95.9	96.3	98.0	101.3	96.8	100.0	97.8
16 NSC (MW)	15	15	15	15	15	15	15

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BIG BEND CT 1	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1 EAF (%)	65 0	64 9	34 6	64 9	64 9	65 0	60 0
2 POF	0 0	0 0	46 7	0 0	0 0	0 0	7 7
3 EUOF	35 0	35 1	18 8	35 1	35 1	35 0	32 4
4 EUOR	35 0	35 1	35 2	35 1	35 1	35 0	35 1
5 PH	719	744	720	744	744	720	4391
6 SH	14	17	9	30	28	12	110
7 RSH	0	0	0	0	0	0	0
8 UH	705	727	711	714	716	708	4281
9 POH	0	0	336	0	0	0	336
10 FOH & EFOH	144	149	7	149	149	144	812
11 MOH & EMOH	108	112	58	112	112	108	610
12 OPER BTU (GBTU)	3 860	4 760	2 704	8 407	8 030	3 394	31 155
13 NET GEN (MWH)	197	243	138	430	411	174	1593
14 ANOHR (BTU/KWH)	19594	19588	19594	19551	19538	19506	19557
15 NOF (%)	93 8	95 3	102 2	95 6	97 9	96 7	96 5
16 NSC (MW)	15	15	15	15	15	15	15

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TAMPA ELECTRIC COMPANY

ESTIMATED UNIT PERFORMANCE DATA

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PLANT/UNIT	MONTH OF	MONTH OF	MONTH OF	MONTH OF	MONTH OF	MONTH OF	PERIOD
BIG BEND CT 2	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1 EAF (%)	69 1	69 1	69 2	57 8	46 8	69 2	63 4
2 POF	0 0	0 0	0 0	16 1	32 3	0 0	8 2
3 EUOF	30 9	30 9	30 8	26 1	21 0	30 8	28 4
4 EUOR	30 9	30 9	30 8	31 1	31 0	30 8	30 9
5 PH	719	744	720	744	744	720	4391
6 SH	23	28	28	46	21	20	166
7 RSH	0	0	0	0	0	0	0
8 UH	696	716	692	698	723	700	4225
9 POH	0	0	0	120	240	0	360
10 FOH & EFOH	111	115	111	97	78	111	623
11 MOH & EMOH	111	115	111	97	78	111	623
12 OPER BTU (GBTU)	21 049	26 014	26 606	43 568	20 306	18 079	155 622
13 NET GEN (MWH)	1286	1589	1627	2670	1255	1104	9531
14 ANOHR (BTU/KWH)	16368	16371	16353	16318	16180	16376	16328
15 NOF (%)	86 0	87 3	89 4	89 3	91 9	84 9	88 3
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
BIG BEND CT 3	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1 EAF (%)	69.1	69.1	69.2	69.1	53.5	69.2	66.5
2 POF	0.0	0.0	0.0	0.0	22.6	0.0	3.8
3 EUOF	30.9	30.9	30.8	30.9	23.9	30.8	29.7
4 EUOR	30.9	30.9	30.8	30.9	30.9	30.8	30.9
5 PH	719	744	720	744	744	720	4391
6 SH	18	22	23	38	28	15	144
7 RSH	0	0	0	0	0	0	0
8 UH	701	722	697	706	716	705	4247
9 POH	0	0	0	0	168	0	168
10 FOH & EFOH	111	115	111	115	89	111	652
11 MOH & EMOH	111	115	111	115	89	111	652
12 OPER BTU (GBTU)	17 176	21 150	21 946	36 577	27 742	14 308	138 899
13 NET GEN (MWH)	1024	1261	1310	2188	1665	854	8302
14 ANOHR (BTU/KWH)	16773	16772	16753	16717	16662	16754	16731
15 NOF (%)	87.5	88.2	87.6	88.6	91.5	87.6	88.7
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 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1. EAF (%)	80.1	80.0	80.0	80.0	80.0	80.0	80.0
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	19.9	20.0	20.0	20.0	20.0	20.0	20.0
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	79	114	109	141	126	66	635
7. RSH	0	0	0	0	0	0	0
8. UH	640	630	611	603	618	654	3756
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	50	52	50	52	52	50	306
11. MOH & EMOH	93	97	94	97	97	94	572
12. OPER BTU (GBTU)	12.218	17.757	17.054	22.054	19.718	10.305	99.106
13. NET GEN (MWH)	1286	1869	1795	2321	2075	1085	10431
14. ANOHR (BTU/KWH)	9500	9501	9501	9502	9503	9498	9501
15. NOF (%)	95.8	96.4	96.9	96.8	96.9	96.7	96.6
16. NSC (MW)	17	17	17	17	17	17	17

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PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF	MONTH OF:	MONTH OF	PERIOD
PHILLIPS 2	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1. EAF (%)	80.1	80.0	80.0	80.0	80.0	80.0	80.0
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. EUOF	19.9	20.0	20.0	20.0	20.0	20.0	20.0
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	77	111	107	138	123	64	620
7. RSH	0	0	0	0	0	0	0
8. UH	642	633	613	606	621	656	3771
9. POH	0	0	0	0	0	0	0
10. FOH & EFOH	50	52	50	52	52	50	306
11. MOH & EMOH	93	97	94	97	97	94	572
12. OPER BTU (GBTU)	11.913	17.368	16.722	21.636	19.319	10.039	96.997
13. NET GEN (MWH)	1254	1826	1760	2277	2033	1057	10209
14. ANOHR (BTU/KWH)	9500	9501	9501	9502	9503	9498	9501
15. NOF (%)	95.8	96.9	96.8	97.1	97.2	97.2	96.9
16. NSC (MW)	17	17	17	17	17	17	17

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POLK	APR 98	MAY 98	JUN 98	JUL 98	AUG 98	SEP 98	SUMMER 1998
1 EAF (%)	80.1	54.3	80.1	80.1	54.3	80.1	71.4
2 POF	0.0	32.3	0.0	0.0	32.3	0.0	10.9
3 EUOF	19.9	13.4	19.9	19.9	13.4	19.9	17.7
4 EUOR	19.9	19.8	19.9	19.9	19.8	19.9	19.9
5 PH	719	744	720	744	744	720	4391
6 SH	597	617	597	617	416	597	3443
7 RSH	0	0	0	0	0	0	0
8 UH	122	127	123	127	326	123	948
9 POH	0	240	0	0	240	0	480
10 FOH & EFOH	86	60	86	89	60	86	467
11 MOH & EMOH	57	40	57	59	40	57	310
12 OPER BTU (GBTU)	1377.750	1429.820	1385.840	1428.420	968.087	1381.720	7991.637
13 NET GEN (MWH)	145066	150828	145997	150666	102301	145523	840381
14 ANOHR (BTU/KWH)	9497	9480	9492	9481	9659	9495	9510
15 NOF (%)	97.2	97.8	97.8	97.7	97.9	97.5	97.6
16 NSC (MW)	250	250	250	250	250	250	250

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