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October 11, 2007

HAND DELIVERED

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07 OCT 11 PM 3:30
COMMISSION
CLERK

Ms. Ann Cole, Director
Office of Commission Clerk
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. 070001-EI

Dear Ms. Cole:

On September 4, 2007 we submitted Tampa Electric Company's testimony and exhibit of David R. Knapp supporting the company's projected Generating Performance Incentive Factor targets and ranges for the period January 2008 through December 2008. Subsequently, Tampa Electric discovered an error in the data entry of information affecting the company's projection. Essentially, at certain times when Big Bend Units 1 through 4 were actually available, they were classified as unavailable for generation. This impacted the availability data upon which the company's proposed GPIF targets and ranges for the 2008 period are based.

Enclosed are the original and fifteen (15) copies of the correct testimony and exhibit of David R. Knapp, marked REVISED 10/11/2007, which correct the above-referenced error. We would appreciate your circulating copies of this revised testimony and exhibit to recipients of the earlier filing.

- CMP _____
- COM 5 _____
- CTR original _____
- ECR _____
- GCL 1 _____
- OPC _____
- RCA 1 _____
- SCR _____
- SGA _____
- SEC _____
- 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
Enclosure

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

DOCUMENT NUMBER-DATE

09339 OCT 11 5

FPSC-COMMISSION CLERK

Ms. Ann Cole
October 11, 2007
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CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of Tampa Electric Company's Revised Direct Testimony and Exhibit of David R. Knapp has been furnished by U. S. Mail or hand delivery (*) on this 11~~th~~ day of October, 2007 to the following:

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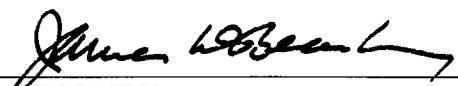
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BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 070001-EI
IN RE: TAMPA ELECTRIC'S
FUEL & PURCHASED POWER COST RECOVERY
AND CAPACITY COST RECOVERY PROJECTIONS
JANUARY 2008 THROUGH DECEMBER 2008

TESTIMONY AND EXHIBIT
OF
DAVID R. KNAPP

DOCUMENT NUMBER-DATE

09339 OCT 11 5

FPSC-COMMISSION CLERK

1 **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2 **PREPARED DIRECT TESTIMONY**

3 **OF**

4 **DAVID R. KNAPP**

5
6 **Q.** Please state your name, business address, occupation and
7 employer.

8
9 **A.** My name is David R. Knapp. My business address is 702 N.
10 Franklin Street, Tampa, Florida 33602. I am employed by
11 Tampa Electric Company ("Tampa Electric" or "company") as
12 a Supervisor in the Operations Planning area of the
13 Resource Planning Department.

14
15 **Q.** Please provide a brief outline of your educational
16 background and business experience.

17
18 **A.** I received a Bachelor of Marine Engineering degree in
19 1986 from the Maine Maritime Academy and a Master of
20 Business Administration from the University of Tampa in
21 2002. Prior to joining Tampa Electric, I worked in the
22 areas of operations engineering and management. In
23 January 1996, I joined Tampa Electric and worked in
24 field operations and power plant engineering. In April
25 2000, I transferred to the Resource Planning department,

1 where I led a team that provides engineering and
2 technical support in the development of Tampa Electric's
3 integrated resource planning process and business
4 planning activities. In December 2006, I transferred to
5 the Operations Planning area of the Resource Planning,
6 and in September 2007, I was promoted to Supervisor. I
7 provide engineering and technical support for the daily
8 operations of Tampa Electric's generating facilities.

9

10 **Q.** What is the purpose of your testimony?

11

12 **A.** My testimony describes Tampa Electric's maintenance
13 planning processes and presents Tampa Electric's
14 methodology for determining the various factors required
15 to compute the Generating Performance Incentive Factor
16 ("GPIF") as ordered by the Commission.

17

18 **Q.** Have you prepared any exhibits to support your
19 testimony?

20

21 **A.** Yes, Exhibit No. ____ (DRK-2), consisting of two
22 documents, was prepared under my direction and
23 supervision. Document No. 1 contains the GPIF
24 schedules. Document No. 2 is a summary of the GPIF
25 targets for the 2008 period.

1 **GPIF Calculations**

2 **Q.** Which generating units on Tampa Electric's system are
3 included in the determination of the GPIF?

4
5 **A.** Four of the company's coal-fired units, one integrated
6 gasification combined cycle unit and two natural gas
7 combined cycle units are included. These are Big Bend
8 Units 1 through 4, Polk Unit 1 and Bayside Units 1 and
9 2.

10
11 **Q.** Do the exhibits you prepared comply with Commission-
12 approved GPIF methodology?

13
14 **A.** Yes, the documents are consistent with the GPIF
15 Implementation Manual previously approved by the
16 Commission. To account for the concerns presented in
17 the testimony of Commission Staff witness Sidney W.
18 Matlock during the 2005 fuel hearing, Tampa Electric
19 removes outliers from the calculation of the GPIF
20 targets. Section 3.3 of the GPIF Implementation Manual
21 allows for removal of outliers, and the methodology was
22 approved by the Commission in Order No. PSC-06-1057-FOF-
23 EI issued in Docket No. 060001-EI on December 22, 2006.

24
25 **Q.** Did Tampa Electric identify any outages as outliers?

1 **A.** Yes. Two outages on Big Bend Unit 1, three outages on
2 Big Bend Unit 2, three outages on Big Bend Unit 3, and
3 one outage on Big Bend unit 4 were identified as
4 outlying outages; therefore, their associated forced
5 outage hours were removed from the study.

6
7 **Q.** Please describe how Tampa Electric developed the various
8 factors associated with the GPIF.

9
10 **A.** Targets were established for equivalent availability and
11 heat rate for each unit considered for the 2008 period.
12 A range of potential improvements and degradations were
13 determined for each of these parameters.

14
15 **Q.** How were the target values for unit availability
16 determined?

17
18 **A.** The Planned Outage Factor or POF and the Equivalent
19 Unplanned Outage Factor or EUOF were subtracted from 100
20 percent to determine the target Equivalent Availability
21 Factor or EAF. The factors for each of the seven units
22 included within the GPIF are shown on page 5 of Document
23 No. 1.

24
25 To give an example for the 2008 period, the projected

1 Equivalent Unplanned Outage Factor for Big Bend Unit 2
 2 is 13.96 percent, and the Planned Outage Factor is 8.74
 3 percent. Therefore, the target equivalent availability
 4 factor for Big Bend Unit 2 equals 77.29 percent or:

5
 6 $100\% - [(13.96 + 8.74\%)] = 77.29\%$

7
 8 This is shown on page 4, column 3 of Document No. 1.

9
 10 **Q.** How was the potential for unit availability improvement
 11 determined?

12
 13 **A.** Maximum equivalent availability is derived by using the
 14 following formula:

15
 16 $EAF_{MAX} = 100\% - [0.8 (EUOF_T) + 0.95 (POF_T)]$

17
 18 The factors included in the above equations are the same
 19 factors that determine the target equivalent
 20 availability. To determine the maximum incentive
 21 points, a 20 percent reduction in Equivalent Forced
 22 Outage Factor or EUOF and Equivalent Maintenance Outage
 23 Factor or EMOF, plus a five percent reduction in the
 24 Planned Outage Factor are necessary. Continuing with
 25 the Big Bend Unit 2 example:

1 EAF_{MAX} = 100% - [0.8 (13.96%) + 0.95 (8.74%)] = 80.52%

2

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

4

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

7

8 **A.** The potential for unit availability degradation is
9 significantly greater than the potential for unit
10 availability improvement. This concept was discussed
11 extensively during the development of the incentive. To
12 incorporate this biased effect into the unit
13 availability tables, Tampa Electric uses a potential
14 degradation range equal to twice the potential
15 improvement. Consequently, minimum equivalent
16 availability is calculated using the following formula:

17

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

19

20 Again, continuing with the Big Bend Unit 2 example,

21

22 EAF_{MIN} = 100% - [1.4 (13.96%) + 1.10 (8.74%)] = 70.83%

23

24 The equivalent availability maximum and minimum for the
25 other six units are computed in a similar manner.

1 **Q.** How did Tampa Electric determine the Planned Outage,
 2 Maintenance Outage, and Forced Outage Factors?

3
 4 **A.** The company's planned outages for January through
 5 December 2008 are shown on page 21 of Document No. 1.
 6 four GPIF units have a major outage (28 days or greater)
 7 in 2008; therefore, four Critical Path Method diagrams
 8 are provided. Planned Outage Factors are calculated for
 9 each unit. For example, Big Bend Unit 2 is scheduled
 10 for a planned outage from November 29, 2008 to December
 11 30, 2008. There are 768 planned outage hours scheduled
 12 for the 2008 period, and a total of 8,784 hours during
 13 this 12-month period. Consequently, the Planned Outage
 14 Factor for Big Bend Unit 2 is 8.74 percent or:

$$\frac{768}{8,784} \times 100 = 8.74\%$$

15
 16
 17
 18
 19 The factor for each unit is shown on pages 5 and 14
 20 through 20 of Document No. 1. Big Bend Unit 1 has a
 21 Planned Outage Factor of 3.8 percent. Big Bend Unit 2
 22 has a Planned Outage Factor of 8.7 percent. Big Bend
 23 Unit 3 has a Planned Outage Factor of 26.5 percent. Big
 24 Bend Unit 4 has a Planned Outage Factor of 3.8 percent.
 25 Polk Unit 1 has a Planned Outage Factor of 7.9 percent.

1 Bayside Unit 1 has a Planned Outage Factor of 3.8
2 percent, and Bayside Unit 2 has a Planned Outage Factor
3 of 15.3 percent.

4
5 **Q.** How did you determine the Forced Outage and Maintenance
6 Outage Factors for each unit?

7
8 **A.** Graphs for both factors, adjusted for planned outages,
9 versus time were prepared. Monthly data and 12-month
10 ending average data were recorded. For each unit the
11 most current 12-month ending value, June 2007, was used
12 as a basis for the projection. All projected factors
13 are based upon historical unit performance unless
14 adjusted for outlying forced outages. These target
15 factors are additive and result in an Equivalent
16 Unplanned Outage Factor of 22.62 percent for Big Bend
17 Unit 4. The Equivalent Unplanned Outage Factor for Big
18 Bend Unit 4 is verified by the data shown on page 17,
19 lines 3, 5, 10 and 11 of Document No. 1 and calculated
20 using the following formula:

21
22
23
24
25

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

Or

1
$$\text{EUOF} = \frac{(1,533 + 454)}{8,784} \times 100 = 22.62\%$$

2

3

4 Relative to Big Bend Unit 4, the EUOF of 22.62 percent
5 forms the basis of the equivalent availability target
6 development as shown on pages 4 and 5 of Document No. 1.

7

8 **Big Bend Unit 1**

9 The projected Equivalent Unplanned Outage Factor for
10 this unit is 23.38 percent. The unit will have a
11 planned outage in 2008, and the Planned Outage Factor is
12 3.83 percent. Therefore, the target equivalent
13 availability for this unit is 72.79 percent.

14

15 **Big Bend Unit 2**

16 The projected Equivalent Unplanned Outage Factor for
17 this unit is 13.96 percent. The unit will have a
18 planned outage in 2008, and the Planned Outage Factor is
19 8.74 percent. Therefore, the target equivalent
20 availability for this unit is 77.29 percent.

21

22 **Big Bend Unit 3**

23 The projected Equivalent Unplanned Outage Factor for
24 this unit is 26.00 percent. The unit will have a
25 planned outage in 2008, and the Planned Outage Factor is

1 26.50 percent. Therefore, the target equivalent
2 availability for this unit is 47.50 percent.

3

4 **Big Bend Unit 4**

5 The projected Equivalent Unplanned Outage Factor for
6 this unit is 22.62 percent. The unit will have a
7 planned outage in 2008, and the Planned Outage Factor is
8 3.83 percent. Therefore, the target equivalent
9 availability for this unit is 73.55 percent.

10

11 **Polk Unit 1**

12 The projected Equivalent Unplanned Outage Factor for
13 this unit is 14.91 percent. The unit will have a
14 planned outage in 2008, and the Planned Outage Factor is
15 7.88 percent. Therefore, the target equivalent
16 availability for this unit is 77.21 percent.

17

18 **Bayside Unit 1**

19 The projected Equivalent Unplanned Outage Factor for
20 this unit is 11.72 percent. The unit will have a
21 planned outage in 2008, and the Planned Outage Factor is
22 3.83 percent. Therefore, the target equivalent
23 availability for this unit is 84.45 percent.

24

25 **Bayside Unit 2**

1 The projected Equivalent Unplanned Outage Factor for
2 this unit is 1.09 percent. The unit will have a planned
3 outage in 2008, and the Planned Outage Factor is 15.30
4 percent. Therefore, the target equivalent availability
5 for this unit is 83.61 percent.

6

7 **Q.** Please summarize your testimony regarding Equivalent
8 Availability Factor.

9

10 **A.** The GPIF system weighted Equivalent Availability Factor
11 of 68.80 percent is shown on Page 5 of Document No. 1.
12 This target is similar to the January through December
13 2006 GPIF period.

14

15 **Q.** Why are Forced and Maintenance Outage Factors adjusted
16 for planned outage hours?

17

18 **A.** The adjustment makes the factors more accurate and
19 comparable. A unit in a planned outage stage or reserve
20 shutdown stage will not incur a forced or maintenance
21 outage. Since the units in the GPIF are usually
22 baseload units, reserve shutdown is generally not a
23 factor.

24

25 To demonstrate the effects of a planned outage, note the

1 Equivalent Unplanned Outage Rate and Equivalent
2 Unplanned Outage Factor for Big Bend Unit 4 on page 17
3 of Document No. 1. During the months of January through
4 October and December, the Equivalent Unplanned Outage
5 Rate and the Equivalent Unplanned Outage Factor are
6 equal. This is because no planned outages are scheduled
7 during these months. During the month of November, the
8 Equivalent Unplanned Outage Rate exceeds the Equivalent
9 Unplanned Outage Factor due to a scheduled planned
10 outage. Therefore, the adjusted factors apply to the
11 period hours after the planned outage hours have been
12 extracted.

13

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

16

17 **A.** Yes. Rates provide a proper and accurate method of
18 determining the unit parameters, which are subsequently
19 converted to factors. Therefore,

20

$$21 \qquad \qquad \qquad \text{FOF} + \text{MOF} + \text{POF} + \text{EAF} = 100\%$$

22 Since factors are additive, they are easier to work with
23 and to understand.

24

25 **Q.** Has Tampa Electric prepared the necessary heat rate data

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required for the determination of the GPIF?

A. Yes. Target heat rates and ranges of potential operation have been developed as required and have been adjusted to reflect the aforementioned agreed upon GPIF methodology.

Q. How were these targets determined?

A. Net heat rate data for the three most recent July through June annual periods formed the basis of the target development. 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. 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 versus net output factor curves have been developed for

1 each unit. This information is shown on pages 33
 2 through 39 of Document No. 1.

3
 4 **Q.** Please elaborate on the analysis used in the
 5 determination of the ranges.

6
 7 **A.** The net heat rate versus net output factor curves are
 8 the result of a first order curve fit to historical
 9 data. The standard error of the estimate of this data
 10 was determined, and a factor was applied to produce a
 11 band of potential improvement and degradation. Both the
 12 curve fit and the standard error of the estimate were
 13 performed by computer program for each unit. These
 14 curves are also used in post-period adjustments to
 15 actual heat rates to account for unanticipated changes
 16 in unit dispatch.

17
 18 **Q.** Please summarize your heat rate projection (Btu/Net kWh)
 19 and the range about each target to allow for potential
 20 improvement or degradation for the 2008 period.

21
 22 **A.** The heat rate target for Big Bend Unit 1 is 10,908
 23 Btu/Net kWh. The range about this value, to allow for
 24 potential improvement or degradation, is ± 313 Btu/Net
 25 kWh. The heat rate target for Big Bend Unit 2 is 10,693

1 Btu/Net kWh with a range of ± 297 Btu/Net kWh. The heat
 2 rate target for Big Bend Unit 3 is 10,657 Btu/Net kWh,
 3 with a range of ± 695 Btu/Net kWh. The heat rate target
 4 for Big Bend Unit 4 is 10,837 Btu/Net kWh with a range
 5 of ± 627 Btu/Net kWh. The heat rate target for Polk Unit
 6 1 is 10,607 Btu/Net kWh with a range of ± 822 Btu/Net
 7 kWh. The heat rate target for Bayside Unit 1 is 7,320
 8 Btu/Net kWh with a range of ± 129 Btu/Net kWh. The heat
 9 rate target for Bayside Unit 2 is 7,359 Btu/Net kWh with
 10 a range of ± 117 Btu/Net kWh. A zone of tolerance of ± 75
 11 Btu/Net kWh is included within the range for each
 12 target. This is shown on page 4, and pages 7 through 13
 13 of Document No. 1.

14
 15 **Q.** Do the heat rate targets and ranges in Tampa Electric's
 16 projection meet the criteria of the GPIF and the
 17 philosophy of the Commission?

18
 19 **A.** Yes.

20
 21 **Q.** After determining the target values and ranges for
 22 average net operating heat rate and equivalent
 23 availability, what is the next step in the GPIF?

24
 25 **A.** The next step is to calculate the savings and weighting

1 factor to be used for both average net operating heat
2 rate and equivalent availability. This is shown on
3 pages 7 through 13. The baseline production costing
4 analysis was performed to calculate the total system
5 fuel cost if all units operated at target heat rate and
6 target availability for the period. This total system
7 fuel cost of \$1,115,479,000 is shown on page 6, column 2.

8
9 Multiple production cost simulations were performed to
10 calculate total system fuel cost with each unit
11 individually operating at maximum improvement in
12 equivalent availability and each station operating at
13 maximum improvement in average net operating heat rate.
14 The respective savings are shown on page 6, column 4 of
15 Document No. 1.

16
17 After all of the individual savings are calculated,
18 column 4 totals \$49,686,335 which reflects the savings
19 if all of the units operated at maximum improvement. A
20 weighting factor for each parameter is then calculated
21 by dividing individual savings by the total. For Big
22 Bend Unit 1, the weighting factor for equivalent
23 availability is 11.54 percent as shown in the right-hand
24 column on page 6. Pages 7 through 13 of Document No. 1
25 show the point table, the Fuel Savings/(Loss) and the

1 equivalent availability or heat rate value. The
 2 individual weighting factor is also shown. For example,
 3 on Big Bend Unit 1, page 7, if the unit operates at 77.7
 4 percent equivalent availability, fuel savings would
 5 equal \$5,731,400, and 10 equivalent availability points
 6 would be awarded.

7
 8 The GPIF Reward/Penalty table on page 2 is a summary of
 9 the tables on pages 7 through 13. The left-hand column
 10 of this document shows the incentive points for Tampa
 11 Electric. The center column shows the total fuel
 12 savings and is the same amount as shown on page 6,
 13 column 4, or \$49,686,335. The right hand column of page
 14 2 is the estimated reward or penalty based upon
 15 performance.

16
 17 **Q.** How was the maximum allowed incentive determined?
 18

19 **A.** Referring to page 3, line 14, the estimated average
 20 common equity for the period January through December
 21 2008 is \$1,561,125,636. This produces the maximum
 22 allowed jurisdictional incentive of \$6,165,268 shown on
 23 line 21.
 24

25 **Q.** Are there any other constraints set forth by the

1 Commission regarding the magnitude of incentive dollars?

2

3 **A.** Yes. Incentive dollars are not to exceed 50 percent of
 4 fuel savings. Page 2 of Document No. 1 demonstrates
 5 that this constraint is met.

6

7 **Q.** Please summarize your testimony on the GPIF.

8

9 **A.** Tampa Electric has complied with the Commission's
 10 directions, philosophy, and methodology in its
 11 determination of the GPIF. The GPIF is determined by
 12 the following formula for calculating Generating
 13 Performance Incentive Points (GPIP):

14

$$\begin{aligned}
 \text{GPIP} = & (0.1154 \text{ EAP}_{\text{BB1}} + 0.0422 \text{ EAP}_{\text{BB2}} \\
 & + 0.1289 \text{ EAP}_{\text{BB3}} + 0.1266 \text{ EAP}_{\text{BB4}} \\
 & + 0.0957 \text{ EAP}_{\text{PK1}} + 0.0324 \text{ EAP}_{\text{BAY1}} \\
 & + 0.0023 \text{ EAP}_{\text{BAY2}} + 0.0340 \text{ HRP}_{\text{BB1}} \\
 & + 0.0370 \text{ HRP}_{\text{BB2}} + 0.0540 \text{ HRP}_{\text{BB3}} \\
 & + 0.0841 \text{ HRP}_{\text{BB4}} + 0.0642 \text{ HRP}_{\text{PK1}} \\
 & + 0.0881 \text{ HRP}_{\text{BAY1}} + 0.0952 \text{ HRP}_{\text{BAY2}})
 \end{aligned}$$

22

Where:

23

GPIP = Generating Performance Incentive Points.

24

EAP = Equivalent Availability Points awarded/
 25 deducted for Big Bend Units 1, 2, 3, and 4,

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Polk Unit 1 and Bayside Units 1 and 2.

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

Q. Have you prepared a document summarizing the GPIF
targets for the January through December 2008 period?

A. Yes. Document No. 2 entitled "Summary of GPIF Targets"
provides the availability and heat rate targets for each
unit.

Q. Does this conclude your testimony?

A. Yes.

DOCKET NO. 070001-EI
GPIF 2008 PROJECTION FILING
EXHIBIT NO. _____ (DRK-2)
DOCUMENT NO. 1

EXHIBIT TO THE TESTIMONY OF
DAVID R. KNAPP

DOCUMENT NO. 1

GPIF SCHEDULES
JANUARY 2008 - DECEMBER 2008

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2008 - DECEMBER 2008
TARGETS
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**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE - ESTIMATED
JANUARY 2008 - DECEMBER 2008**

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+10	49,686.3	6,165.3
+9	44,717.7	5,548.7
+8	39,749.1	4,932.2
+7	34,780.4	4,315.7
+6	29,811.8	3,699.2
+5	24,843.2	3,082.6
+4	19,874.5	2,466.1
+3	14,905.9	1,849.6
+2	9,937.3	1,233.1
+1	4,968.6	616.5
0	0.0	0.0
-1	(6,832.4)	(616.5)
-2	(13,664.7)	(1,233.1)
-3	(20,497.1)	(1,849.6)
-4	(27,329.4)	(2,466.1)
-5	(34,161.8)	(3,082.6)
-6	(40,994.1)	(3,699.2)
-7	(47,826.5)	(4,315.7)
-8	(54,658.8)	(4,932.2)
-9	(61,491.2)	(5,548.7)
-10	(68,323.5)	(6,165.3)

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
(ESTIMATED)
JANUARY 2008 - DECEMBER 2008**

Line 1	Beginning of period balance of common equity:		\$	1,535,090,000	
	End of month common equity:				
Line 2	Month of January	2008	\$	1,500,630,000	
Line 3	Month of February	2008	\$	1,515,323,669	
Line 4	Month of March	2008	\$	1,530,161,213	
Line 5	Month of April	2008	\$	1,550,072,829	
Line 6	Month of May	2008	\$	1,565,250,625	
Line 7	Month of June	2008	\$	1,580,577,037	
Line 8	Month of July	2008	\$	1,545,637,696	
Line 9	Month of August	2008	\$	1,560,772,066	
Line 10	Month of September	2008	\$	1,576,054,625	
Line 11	Month of October	2008	\$	1,596,009,239	
Line 12	Month of November	2008	\$	1,611,636,829	
Line 13	Month of December	2008	\$	1,627,417,440	
Line 14	(Summation of line 1 through line 13 divided by 13)		\$	1,561,125,636	
Line 15	25 Basis points			0.0025	
Line 16	Revenue Expansion Factor			61.38%	
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)		\$	6,358,366	
Line 18	Jurisdictional Sales			20,347,237	MWH
Line 19	Total Sales			20,984,516	MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)			96.96%	
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)		\$	6,165,268	

TAMPA ELECTRIC COMPANY
 GPIF TARGET AND RANGE SUMMARY
 JANUARY 2008 - DECEMBER 2008

EQUIVALENT AVAILABILITY

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>EAF TARGET (%)</u>	<u>EAF RANGE</u>		<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>
			<u>MAX. (%)</u>	<u>MIN. (%)</u>		
BIG BEND 1	11.54%	72.8	77.7	63.1	5,731.4	(9,578.3)
BIG BEND 2	4.22%	77.3	80.5	70.83	2,095.1	(3,914.4)
BIG BEND 3	12.89%	47.5	54.0	34.5	6,406.2	(10,764.0)
BIG BEND 4	12.66%	73.6	78.3	64.1	6,289.2	(10,597.4)
POLK 1	9.57%	77.2	80.6	70.5	4,754.5	(7,671.8)
BAYSIDE 1	3.24%	84.5	87.0	79.4	1,609.7	(3,111.0)
BAYSIDE 2	0.23%	83.6	84.6	81.6	113.6	(3,914.4)
GPIF SYSTEM	54.34%					

AVERAGE NET OPERATING HEAT RATE

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>ANOHR Btu/kwh</u>	<u>TARGET NOF</u>	<u>ANOHR RANGE</u>		<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>
				<u>MIN.</u>	<u>MAX.</u>		
BIG BEND 1	3.40%	10,908	79.5	10,595	11,220	1,690.6	(1,690.6)
BIG BEND 2	3.70%	10,693	84.5	10,396	10,990	1,837.3	(1,837.3)
BIG BEND 3	5.40%	10,657	74.5	9,962	11,352	2,682.2	(2,682.2)
BIG BEND 4	8.41%	10,837	85.8	10,210	11,464	4,178.2	(4,178.2)
POLK 1	6.42%	10,607	87.3	9,784	11,429	3,191.2	(3,191.2)
BAYSIDE1	8.81%	7,320	83.8	7,191	7,449	4,378.6	(4,378.6)
BAYSIDE 2	9.52%	7,359	80.7	7,243	7,476	4,728.7	(4,728.7)
GPIF SYSTEM	45.66%						

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

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 08 - DEC 08			ACTUAL PERFORMANCE JAN 06 - DEC 06			ACTUAL PERFORMANCE JAN 05 - DEC 05			ACTUAL PERFORMANCE JAN 04 - DEC 04		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
BIG BEND 1	11.54%	21.2%	3.8	23.4	24.3	18.5	26.3	32.3	6.5	32.5	34.8	7.5	25.9	28.0
BIG BEND 2	4.22%	7.8%	8.7	14.0	15.3	0.0	17.2	17.2	16.0	19.2	22.9	7.4	23.5	25.4
BIG BEND 3	12.89%	23.7%	26.5	26.0	35.4	7.9	30.2	32.8	7.1	41.4	44.6	7.9	25.0	27.1
BIG BEND 4	12.66%	23.3%	3.8	22.6	23.5	8.3	17.0	18.5	7.8	21.5	23.3	0.0	20.7	20.7
POLK 1	9.57%	17.6%	7.9	14.9	16.2	12.0	9.2	10.5	0.0	31.5	31.5	3.2	6.3	6.5
BAYSIDE 1	3.24%	6.0%	3.8	11.7	12.2	2.5	10.3	10.5	3.1	4.4	4.6	1.5	12.2	12.4
BAYSIDE 2	0.23%	0.4%	15.3	1.1	1.3	10.0	1.4	1.6	2.9	4.2	4.3	1.7	6.0	6.1
GPIF SYSTEM	54.34%	100.0%	10.3	20.8	23.8	10.0	20.3	22.8	6.3	29.0	33.1	4.7	19.9	21.1
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)			<u>68.8</u>			<u>69.7</u>			<u>64.6</u>			<u>75.4</u>		
			<u>3 PERIOD AVERAGE</u>			<u>3 PERIOD AVERAGE</u>								
			<u>POF</u>	<u>EUOF</u>	<u>EUOR</u>	<u>EAF</u>								
			7.0	23.1	25.6	69.9								

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET	ADJUSTED	ADJUSTED	ADJUSTED
			HEAT RATE JAN 08 - DEC 08	ACTUAL PERFORMANCE HEAT RATE JAN 06 - DEC 06	ACTUAL PERFORMANCE HEAT RATE JAN 05 - DEC 05	ACTUAL PERFORMANCE HEAT RATE JAN 04 - DEC 04
BIG BEND 1	3.40%	7.5%	10,908	10,978	10,953	10,747
BIG BEND 2	3.70%	8.1%	10,693	10,436	10,261	10,482
BIG BEND 3	5.40%	11.8%	10,657	10,802	10,480	10,763
BIG BEND 4	8.41%	18.4%	10,837	10,939	10,967	10,526
POLK 1	6.42%	14.1%	10,607	10,466	10,277	10,373
BAYSIDE 1	8.81%	19.3%	7,320	7,329	7,405	7,332
BAYSIDE 2	9.52%	20.8%	7,359	7,428	7,388	7,445
GPIF SYSTEM	45.66%	100.0%				
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)			<u>9,373</u>	<u>9,390</u>	<u>9,321</u>	<u>9,287</u>

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**TAMPA ELECTRIC COMPANY
 DERIVATION OF WEIGHTING FACTORS
 JANUARY 2008 - DECEMBER 2008
 PRODUCTION COSTING SIMULATION
 FUEL COST (\$000)**

UNIT PERFORMANCE INDICATOR (1)	AT TARGET (2)	AT MAXIMUM IMPROVEMENT (3)	SAVINGS (4)	WEIGHTING FACTOR (% OF SAVINGS) (5)
EQUIVALENT AVAILABILITY				
EA ₁ BIG BEND 1	1,115,479.0	1,109,747.6	5,731	11.54%
EA ₂ BIG BEND 2	1,115,479.0	1,113,383.9	2,095	4.22%
EA ₃ BIG BEND 3	1,115,479.0	1,109,072.8	6,406	12.89%
EA ₄ BIG BEND 4	1,115,479.0	1,109,189.8	6,289	12.66%
EA ₇ POLK 1	1,115,479.0	1,110,724.5	4,755	9.57%
EA ₈ BAYSIDE 1	1,115,479.0	1,113,869.3	1,610	3.24%
EA ₉ BAYSIDE 2	1,115,479.0	1,115,365.4	114	0.23%
AVERAGE HEAT RATE				
AHR ₁ BIG BEND 1	1,115,479.0	1,113,788.4	1,691	3.40%
AHR ₂ BIG BEND 2	1,115,479.0	1,113,641.7	1,837	3.70%
AHR ₃ BIG BEND 3	1,115,479.0	1,112,796.8	2,682	5.40%
AHR ₄ BIG BEND 4	1,115,479.0	1,111,300.8	4,178	8.41%
AHR ₇ POLK 1	1,115,479.0	1,112,287.8	3,191	6.42%
AHR ₈ BAYSIDE 1	1,115,479.0	1,111,100.4	4,379	8.81%
AHR ₉ BAYSIDE 2	1,115,479.0	1,110,750.3	4,729	9.52%
TOTAL SAVINGS			49,686.33	100.00%

- (1) Fuel Adjustment Base Case - All unit performance indicators at target.
 (2) All other units performance indicators at target.
 (3) Expressed in replacement energy cost.

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2008 - DECEMBER 2008

BIG BEND 1

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	5,731.4	77.7	+10	1,690.6	10,595
+9	5,158.3	77.2	+9	1,521.6	10,619
+8	4,585.1	76.7	+8	1,352.5	10,643
+7	4,012.0	76.2	+7	1,183.4	10,666
+6	3,438.8	75.7	+6	1,014.4	10,690
+5	2,865.7	75.2	+5	845.3	10,714
+4	2,292.6	74.7	+4	676.3	10,738
+3	1,719.4	74.3	+3	507.2	10,761
+2	1,146.3	73.8	+2	338.1	10,785
+1	573.1	73.3	+1	169.1	10,809
					10,833
0	0.0	72.8	0	0.0	10,908
					10,983
-1	(957.8)	71.8	-1	(169.1)	11,006
-2	(1,915.7)	70.8	-2	(338.1)	11,030
-3	(2,873.5)	69.9	-3	(507.2)	11,054
-4	(3,831.3)	68.9	-4	(676.3)	11,078
-5	(4,789.2)	67.9	-5	(845.3)	11,101
-6	(5,747.0)	67.0	-6	(1,014.4)	11,125
-7	(6,704.8)	66.0	-7	(1,183.4)	11,149
-8	(7,662.6)	65.0	-8	(1,352.5)	11,173
-9	(8,620.5)	64.0	-9	(1,521.6)	11,196
-10	(9,578.3)	63.1	-10	(1,690.6)	11,220

Weighting Factor =

11.54%

Weighting Factor =

3.40%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2008 - DECEMBER 2008

BIG BEND 2

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	2,095.1	80.5	+10	1,837.3	10,396
+9	1,885.6	80.2	+9	1,653.5	10,419
+8	1,676.1	79.9	+8	1,469.8	10,441
+7	1,466.6	79.6	+7	1,286.1	10,463
+6	1,257.1	79.2	+6	1,102.4	10,485
+5	1,047.6	78.9	+5	918.6	10,507
+4	838.0	78.6	+4	734.9	10,530
+3	628.5	78.3	+3	551.2	10,552
+2	419.0	77.9	+2	367.5	10,574
+1	209.5	77.6	+1	183.7	10,596
					10,618
0	0.0	77.3	0	0.0	10,693
					10,768
-1	(391.4)	76.6	-1	(183.7)	10,791
-2	(782.9)	76.0	-2	(367.5)	10,813
-3	(1,174.3)	75.4	-3	(551.2)	10,835
-4	(1,565.8)	74.7	-4	(734.9)	10,857
-5	(1,957.2)	74.1	-5	(918.6)	10,879
-6	(2,348.6)	73.4	-6	(1,102.4)	10,902
-7	(2,740.1)	72.8	-7	(1,286.1)	10,924
-8	(3,131.5)	72.1	-8	(1,469.8)	10,946
-9	(3,523.0)	71.5	-9	(1,653.5)	10,968
-10	(3,914.4)	70.8	-10	(1,837.3)	10,990

Weighting Factor =

4.22%

Weighting Factor =

3.70%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2008 - DECEMBER 2008

BIG BEND 3

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	6,406.2	54.0	+10	2,682.2	9,962
+9	5,765.6	53.4	+9	2,413.9	10,024
+8	5,125.0	52.7	+8	2,145.7	10,086
+7	4,484.3	52.1	+7	1,877.5	10,148
+6	3,843.7	51.4	+6	1,609.3	10,210
+5	3,203.1	50.8	+5	1,341.1	10,272
+4	2,562.5	50.1	+4	1,072.9	10,334
+3	1,921.9	49.5	+3	804.6	10,396
+2	1,281.2	48.8	+2	536.4	10,458
+1	640.6	48.2	+1	268.2	10,520
					10,582
0	0.0	47.5	0	0.0	10,657
					10,732
-1	(1,076.4)	46.2	-1	(268.2)	10,794
-2	(2,152.8)	44.9	-2	(536.4)	10,856
-3	(3,229.2)	43.6	-3	(804.6)	10,918
-4	(4,305.6)	42.3	-4	(1,072.9)	10,980
-5	(5,382.0)	41.0	-5	(1,341.1)	11,042
-6	(6,458.4)	39.7	-6	(1,609.3)	11,104
-7	(7,534.8)	38.4	-7	(1,877.5)	11,166
-8	(8,611.2)	37.1	-8	(2,145.7)	11,228
-9	(9,687.6)	35.8	-9	(2,413.9)	11,290
-10	(10,764.0)	34.5	-10	(2,682.2)	11,352

Weighting Factor =

12.89%

Weighting Factor =

5.40%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY

JANUARY 2008 - DECEMBER 2008

BIG BEND 4

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	6,289.2	78.3	+10	4,178.2	10,210
+9	5,660.3	77.8	+9	3,760.4	10,265
+8	5,031.4	77.3	+8	3,342.5	10,320
+7	4,402.4	76.9	+7	2,924.7	10,376
+6	3,773.5	76.4	+6	2,506.9	10,431
+5	3,144.6	75.9	+5	2,089.1	10,486
+4	2,515.7	75.4	+4	1,671.3	10,541
+3	1,886.8	75.0	+3	1,253.5	10,596
+2	1,257.8	74.5	+2	835.6	10,652
+1	628.9	74.0	+1	417.8	10,707
					10,762
0	0.0	73.6	0	0.0	10,837
					10,912
-1	(1,059.7)	72.6	-1	(417.8)	10,967
-2	(2,119.5)	71.7	-2	(835.6)	11,022
-3	(3,179.2)	70.7	-3	(1,253.5)	11,077
-4	(4,239.0)	69.8	-4	(1,671.3)	11,133
-5	(5,298.7)	68.8	-5	(2,089.1)	11,188
-6	(6,358.4)	67.9	-6	(2,506.9)	11,243
-7	(7,418.2)	66.9	-7	(2,924.7)	11,298
-8	(8,477.9)	66.0	-8	(3,342.5)	11,353
-9	(9,537.7)	65.1	-9	(3,760.4)	11,409
-10	(10,597.4)	64.1	-10	(4,178.2)	11,464

Weighting Factor = 12.66%

Weighting Factor = 8.41%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2008 - DECEMBER 2008

POLK 1

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	4,754.5	80.6	+10	3,191.2	9,784
+9	4,279.1	80.3	+9	2,872.1	9,859
+8	3,803.6	79.9	+8	2,552.9	9,934
+7	3,328.2	79.6	+7	2,233.8	10,008
+6	2,852.7	79.2	+6	1,914.7	10,083
+5	2,377.3	78.9	+5	1,595.6	10,158
+4	1,901.8	78.6	+4	1,276.5	10,233
+3	1,426.4	78.2	+3	957.4	10,307
+2	950.9	77.9	+2	638.2	10,382
+1	475.5	77.5	+1	319.1	10,457
					10,532
0	0.0	77.2	0	0.0	10,607
					10,682
-1	(767.2)	76.5	-1	(319.1)	10,756
-2	(1,534.4)	75.9	-2	(638.2)	10,831
-3	(2,301.5)	75.2	-3	(957.4)	10,906
-4	(3,068.7)	74.5	-4	(1,276.5)	10,980
-5	(3,835.9)	73.8	-5	(1,595.6)	11,055
-6	(4,603.1)	73.2	-6	(1,914.7)	11,130
-7	(5,370.3)	72.5	-7	(2,233.8)	11,205
-8	(6,137.4)	71.8	-8	(2,552.9)	11,279
-9	(6,904.6)	71.1	-9	(2,872.1)	11,354
-10	(7,671.8)	70.5	-10	(3,191.2)	11,429

Weighting Factor = 9.57%

Weighting Factor = 6.42%

TAMPA ELECTRIC COMPANY
 GPIF TARGET AND RANGE SUMMARY

JANUARY 2008 - DECEMBER 2008

BAYSIDE 1

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	1,609.7	87.0	+10	4,378.6	7,191
+9	1,448.7	86.7	+9	3,940.7	7,196
+8	1,287.8	86.5	+8	3,502.9	7,201
+7	1,126.8	86.2	+7	3,065.0	7,207
+6	965.8	86.0	+6	2,627.1	7,212
+5	804.8	85.7	+5	2,189.3	7,218
+4	643.9	85.5	+4	1,751.4	7,223
+3	482.9	85.2	+3	1,313.6	7,229
+2	321.9	85.0	+2	875.7	7,234
+1	161.0	84.7	+1	437.9	7,239
					7,245
0	0.0	84.5	0	0.0	7,320
					7,395
-1	(311.1)	83.9	-1	(437.9)	7,400
-2	(622.2)	83.4	-2	(875.7)	7,406
-3	(933.3)	82.9	-3	(1,313.6)	7,411
-4	(1,244.4)	82.4	-4	(1,751.4)	7,417
-5	(1,555.5)	81.9	-5	(2,189.3)	7,422
-6	(1,866.6)	81.4	-6	(2,627.1)	7,428
-7	(2,177.7)	80.9	-7	(3,065.0)	7,433
-8	(2,488.8)	80.4	-8	(3,502.9)	7,438
-9	(2,799.9)	79.9	-9	(3,940.7)	7,444
-10	(3,111.0)	79.4	-10	(4,378.6)	7,449
	Weighting Factor =	3.24%		Weighting Factor =	8.81%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2008 - DECEMBER 2008

BAYSIDE 2

<u>EQUIVALENT AVAILABILITY POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL EQUIVALENT AVAILABILITY</u>	<u>AVERAGE HEAT RATE POINTS</u>	<u>FUEL SAVINGS / (LOSS) (\$000)</u>	<u>ADJUSTED ACTUAL AVERAGE HEAT RATE</u>
+10	113.6	84.6	+10	4,728.7	7,243
+9	102.2	84.5	+9	4,255.8	7,247
+8	90.9	84.4	+8	3,782.9	7,251
+7	79.5	84.3	+7	3,310.1	7,255
+6	68.2	84.2	+6	2,837.2	7,259
+5	56.8	84.1	+5	2,364.3	7,264
+4	45.4	84.0	+4	1,891.5	7,268
+3	34.1	83.9	+3	1,418.6	7,272
+2	22.7	83.8	+2	945.7	7,276
+1	11.4	83.7	+1	472.9	7,280
					7,284
0	0.0	83.6	0	0.0	7,359
					7,434
-1	(391.4)	83.4	-1	(472.9)	7,438
-2	(782.9)	83.2	-2	(945.7)	7,443
-3	(1,174.3)	83.0	-3	(1,418.6)	7,447
-4	(1,565.8)	82.8	-4	(1,891.5)	7,451
-5	(1,957.2)	82.6	-5	(2,364.3)	7,455
-6	(2,348.6)	82.4	-6	(2,837.2)	7,459
-7	(2,740.1)	82.2	-7	(3,310.1)	7,463
-8	(3,131.5)	82.0	-8	(3,782.9)	7,468
-9	(3,523.0)	81.8	-9	(4,255.8)	7,472
-10	(3,914.4)	81.6	-10	(4,728.7)	7,476
	Weighting Factor =	0.23%		Weighting Factor =	9.52%

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2008 - DECEMBER 2008

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 1	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	2008
1. EAF (%)	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	47.9	68.4	75.7	75.7	72.79
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.7	9.7	0.0	0.0	3.83
3. EUOF	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	15.4	22.0	24.3	24.3	23.38
4. EUOR	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
5. PH	744	696	744	720	744	720	744	744	720	744	720	744	8,784
6. SH	627	586	627	606	627	606	627	627	385	565	606	627	7,116
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	117	110	117	114	117	114	117	117	335	179	114	117	1668
9. POH	0	0	0	0	0	0	0	0	264	72	0	0	336
10. FOH & EFOH	153	143	153	148	153	148	153	153	94	138	148	153	1,737
11. MOH & EMOH	28	26	28	27	28	27	28	28	17	25	27	28	316
12. OPER BTU (GBTU)	2,066	1,934	2,055	1,992	2,059	1,993	2,059	2,059	1,265	1,856	2,001	2,060	23,399
13. NET GEN (MWH)	188,971	176,892	187,796	183,016	189,135	183,050	189,121	189,142	116,199	170,529	183,078	188,245	2,145,174
14. ANOHR (Btu/kwh)	10,934	10,933	10,945	10,886	10,886	10,886	10,886	10,886	10,886	10,886	10,932	10,941	10,908
15. NOF (%)	78.3	78.4	77.8	80.5	80.5	80.5	80.5	80.5	80.5	80.5	78.4	78.0	79.5
16. NPC (MW)	385	385	385	375	375	375	375	375	375	375	385	385	379
17. ANOHR EQUATION	ANOHR = NOF(-22.19) +								12,672.08

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2008 - DECEMBER 2008

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 2	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	2008
1. EAF (%)	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	79.1	2.7	77.29
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	96.8	8.74
3. EUOF	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	14.3	0.5	13.96
4. EUOR	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
5. PH	744	696	744	720	744	720	744	744	720	744	720	744	8,784
6. SH	697	652	697	674	697	674	697	697	674	697	630	22	7,509
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	47	44	47	46	47	46	47	47	46	47	90	722	1,275
9. POH	0	0	0	0	0	0	0	0	0	0	48	720	768
10. FOH & EFOH	111	104	111	107	111	107	111	111	107	111	100	4	1,195
11. MOH & EMOH	3	3	3	3	3	3	3	3	3	3	3	0	32
12. OPER BTU (GBTU)	2,470	2,312	2,450	2,363	2,442	2,363	2,439	2,438	2,363	2,442	2,233	78	26,399
13. NET GEN (MWH)	230,781	216,008	228,708	221,205	228,587	221,233	228,305	228,125	221,196	228,556	208,668	7,293	2,468,665
14. ANOHR (Btu/kwh)	10,703	10,703	10,714	10,683	10,683	10,683	10,684	10,685	10,683	10,683	10,702	10,724	10,693
15. NOF (%)	83.8	83.9	83.1	85.2	85.2	85.2	85.1	85.0	85.2	85.2	83.9	82.4	84.5
16. NPC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	389
17. ANOHR EQUATION	ANOHR = NOF(-15.00) + 11,960.68												

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2008 - DECEMBER 2008

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 3	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	2008
1. EAF (%)	0.0	0.0	0.0	51.7	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	47.50
2. POF	100.0	100.0	100.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.50
3. EUOF	0.0	0.0	0.0	28.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	26.00
4. EUOR	0.0	0.0	0.0	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
5. PH	744	696	744	720	744	720	744	744	720	744	720	744	8,784
6. SH	0	0	0	464	599	580	599	599	580	599	580	599	5,199
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	744	696	744	256	145	140	145	145	140	145	140	145	3,585
9. POH	744	696	744	144	0	0	0	0	0	0	0	0	2,328
10. FOH & EFOH	0	0	0	160	206	199	206	206	199	206	199	206	1,788
11. MOH & EMOH	0	0	0	44	57	55	57	57	55	57	55	57	495
12. OPER BTU (GBTU)	0	0	0	1,457	1,881	1,819	1,861	1,850	1,816	1,879	1,830	1,862	16,280
13. NET GEN (MWH)	0	0	0	137,421	177,597	171,591	174,889	173,387	171,251	177,227	171,214	173,101	1,527,678
14. ANOHR (Btu/kwh)	0	0	0	10,599	10,593	10,598	10,644	10,672	10,605	10,600	10,688	10,757	10,657
15. NOF (%)	0.0	0.0	0.0	75.9	76.0	75.9	74.9	74.2	75.7	75.9	73.8	72.2	74.5
16. NPC (MW)	400	400	400	390	390	390	390	390	390	390	400	400	394
17. ANOHR EQUATION	ANOHR = NOF(-43.50) + 13,899.80												

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2008 - DECEMBER 2008

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 4	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	2008
1. EAF (%)	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	40.8	76.5	73.55
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.7	0.0	3.83
3. EUOF	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	12.5	23.5	22.62
4. EUOR	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
5. PH	744	696	744	720	744	720	744	744	720	744	720	744	8,784
6. SH	624	584	624	604	624	604	624	624	604	624	322	624	7,088
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	120	112	120	116	120	116	120	120	116	120	398	120	1,696
9. POH	0	0	0	0	0	0	0	0	0	0	336	0	336
10. FOH & EFOH	135	126	135	131	135	131	135	135	131	135	70	135	1,533
11. MOH & EMOH	40	37	40	39	40	39	40	40	39	40	21	40	454
12. OPER BTU (GBTU)	2,567	2,406	2,506	2,449	2,535	2,452	2,511	2,493	2,449	2,533	1,328	2,515	28,750
13. NET GEN (MWH)	236,866	222,129	229,583	226,656	234,757	226,980	231,786	229,646	226,619	234,523	122,693	230,700	2,652,938
14. ANOHR (Btu/kwh)	10,836	10,830	10,915	10,806	10,800	10,802	10,833	10,856	10,806	10,802	10,827	10,903	10,837
15. NOF (%)	85.8	86.1	83.2	86.8	87.1	87.0	85.9	85.2	86.8	87.0	86.2	83.6	85.8
16. NPC (MW)	442	442	442	432	432	432	432	432	432	432	442	442	436
17. ANOHR EQUATION	ANOHR = NOF(-29.85) + 13,398.36												

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2008 - DECEMBER 2008

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
POLK 1	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	2008
1. EAF (%)	83.8	28.9	59.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	81.6	77.21
2. POF	0.0	65.5	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	7.88
3. EUOF	16.2	5.6	11.5	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	15.8	14.91
4. EUOR	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
5. PH	744	696	744	720	744	720	744	744	720	744	720	744	8,784
6. SH	667	212	476	645	667	645	667	667	645	667	645	516	7,119
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	77	484	268	75	77	75	77	77	75	77	75	228	1,665
9. POH	0	456	216	0	0	0	0	0	0	0	0	20	692
10. FOH & EFOH	73	24	52	71	73	71	73	73	71	73	71	71	793
11. MOH & EMOH	47	15	34	46	47	46	47	47	46	47	46	46	517
12. OPER BTU (GBTU)	1,604	509	1,139	1,532	1,586	1,533	1,580	1,577	1,532	1,588	1,550	1,235	16,965
13. NET GEN (MWH)	151,173	48,025	107,296	144,495	149,620	144,665	148,991	148,727	144,569	149,538	146,096	116,332	1,599,527
14. ANOHR (Btu/kwh)	10,608	10,608	10,613	10,599	10,598	10,598	10,602	10,604	10,599	10,619	10,608	10,613	10,607
15. NOF (%)	87.2	87.1	86.7	87.9	88.0	88.0	87.6	87.4	87.9	86.2	87.1	86.7	87.3
16. NPC (MW)	260	260	260	255	255	255	255	255	255	260	260	260	258
17. ANOHR EQUATION	ANOHR = NOF(-12.42) + 11,890.03												

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2008 - DECEMBER 2008

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BAYSIDE 1	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	2008
1. EAF (%)	87.8	87.8	68.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	67.3	87.6	84.45
2. POF	0.0	0.0	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.3	0.0	3.83
3. EUOF	12.2	12.2	9.4	12.2	12.2	12.2	12.2	12.2	12.2	12.2	9.3	12.2	11.72
4. EUOR	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.19
5. PH	744	696	744	720	744	720	744	744	720	744	720	744	8,784
6. SH	503	574	470	566	509	476	519	580	540	500	467	633	6,338
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	241	122	274	154	235	244	225	164	180	244	253	111	2,446
9. POH	0	0	168	0	0	0	0	0	0	0	168	0	336
10. FOH & EFOH	48	45	37	46	48	46	48	48	46	48	35	48	543
11. MOH & EMOH	43	40	33	42	43	42	43	43	42	43	32	43	487
12. OPER BTU (GBTU)	2,009	2,414	2,209	2,688	2,256	2,125	2,316	2,569	2,392	2,223	2,097	3,166	28,469
13. NET GEN (MWH)	272,425	327,900	301,375	368,740	308,576	290,704	316,852	351,331	327,093	304,168	287,043	433,022	3,889,229
14. ANOHR (Btu/kwh)	7,374	7,361	7,330	7,288	7,311	7,308	7,309	7,311	7,311	7,310	7,307	7,311	7,320
15. NOF (%)	68.3	72.0	80.9	92.8	86.4	87.1	86.9	86.2	86.2	86.7	87.5	86.2	83.8
16. NPC (MW)	793	793	793	702	702	702	702	702	702	702	702	793	732
17. ANOHR EQUATION	ANOHR = NOF(-3.51)+		7,614.23							

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2008 - DECEMBER 2008

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BAYSIDE 2	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	2008
1. EAF (%)	98.7	98.7	44.6	0.0	92.3	98.7	98.7	96.7	98.7	98.7	98.7	76.4	83.61
2. POF	0.0	0.0	54.8	100.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	22.6	15.30
3. EUOF	1.3	1.3	0.6	0.0	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.0	1.09
4. EUOR	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.29
5. PH	744	696	744	720	744	720	744	744	720	744	720	744	8,784
6. SH	289	507	291	0	605	631	728	721	678	596	506	470	6,023
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	455	189	453	720	139	89	16	23	42	148	214	274	2,761
9. POH	0	0	408	720	48	0	0	0	0	0	0	168	1,344
10. FOH & EFOH	3	3	1	0	3	3	3	3	3	3	3	3	32
11. MOH & EMOH	6	6	3	0	6	6	6	6	6	6	6	5	63
12. OPER BTU (GBTU)	1,470	2,486	1,815	0	3,566	3,721	4,369	4,335	4,041	3,368	2,626	2,829	34,670
13. NET GEN (MWH)	197,284	333,026	246,687	0	486,794	508,047	597,242	592,659	552,021	458,386	355,372	383,600	4,711,118
14. ANOHR (Btu/kwh)	7,450	7,464	7,358	7,828	7,326	7,325	7,315	7,314	7,320	7,348	7,390	7,376	7,359
15. NOF (%)	65.1	62.7	80.9	0.0	86.5	86.6	88.3	88.4	87.5	82.7	75.5	77.8	80.7
16. NPC (MW)	1048	1048	1048	930	930	930	930	930	930	930	930	1048	969
17. ANOHR EQUATION	ANOHR = NOF(-5.81) +	7,828.21							

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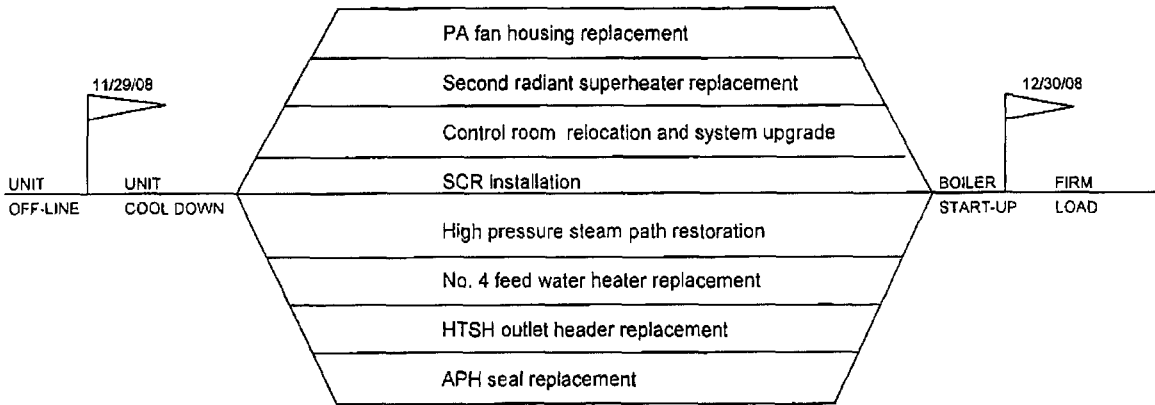
ORIGINAL SHEET NO. 8.401.07E
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TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ESTIMATED)
GPIF UNITS
JANUARY 2008 - DECEMBER 2008

PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DESCRIPTION
BIG BEND 1	Sep 20 - Oct 03	Fuel System Clean-up
+ BIG BEND 2	Nov 29 - Dec 30	SCR Outage
+ BIG BEND 3	Jan 01 - Apr 06	SCR Outage
BIG BEND 4	Nov 01 - Nov 14	Fuel System Clean-up
+ POLK 1	Feb 11 - Mar 09 Dec 01 - Dec 07	Gasifier / CT Outage Gasifier Outage
BAYSIDE 1	Mar 03 - Mar 09 Nov 24 - Nov 30	Fuel System Clean-up Fuel System Clean-up
+ BAYSIDE 2	Mar 15 - May 02 Dec 08 - Dec 14	Combustion Path Inspection & Steam Turbine Fuel System Clean-up

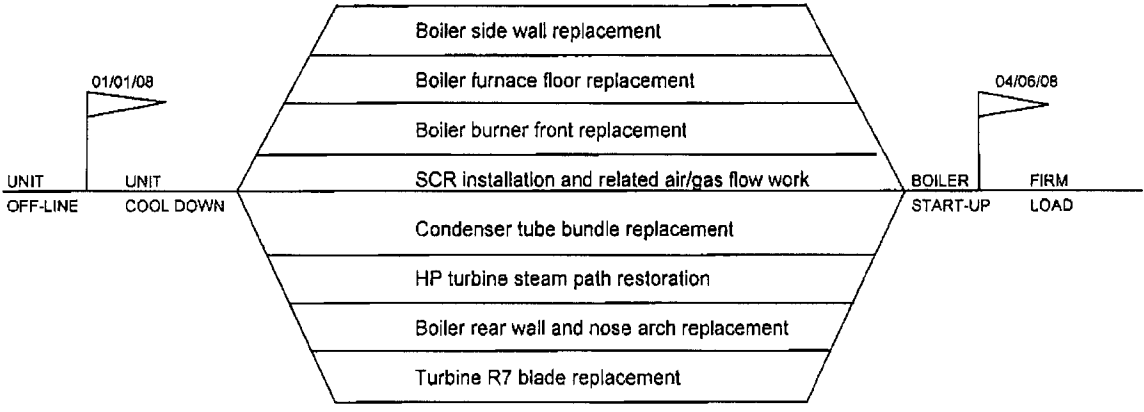
+ CPM for units with less than or equal to 4 weeks are not included.

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2008 - DECEMBER 2008



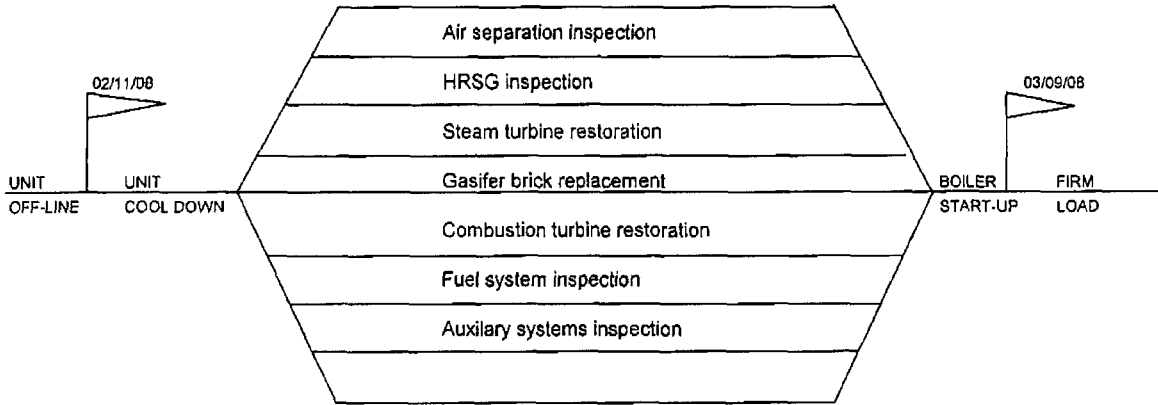
TAMPA ELECTRIC COMPANY
BIG BEND UNIT 2
PLANNED OUTAGE 2008
PROJECTED CPM
8/15/2008

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2008 - DECEMBER 2008



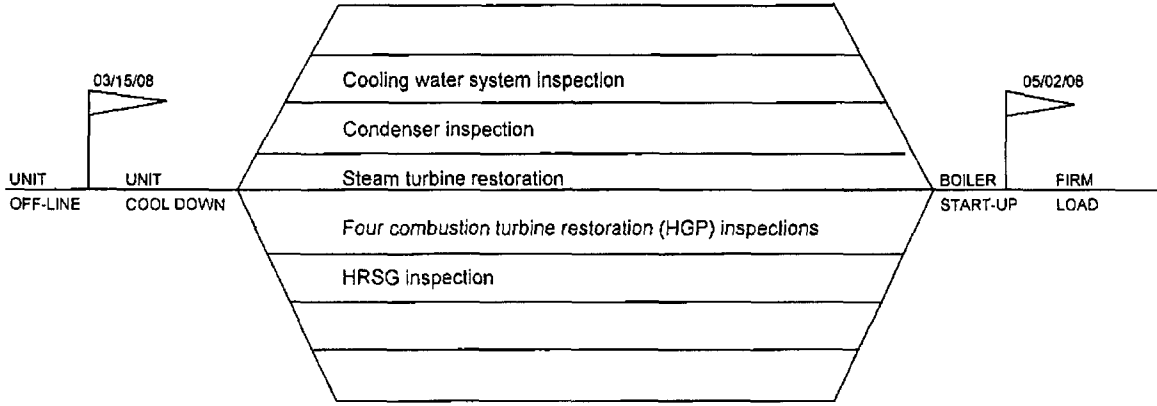
TAMPA ELECTRIC COMPANY
BIG BEND UNIT 3
PLANNED OUTAGE 2008
PROJECTED CPM
8/15/2008

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2008 - DECEMBER 2008



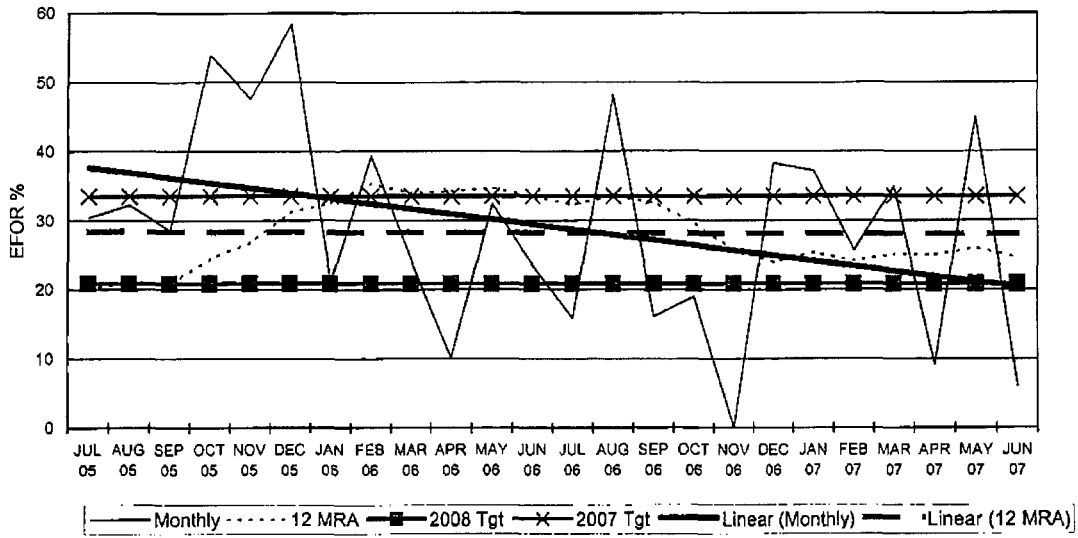
TAMPA ELECTRIC COMPANY
POLK UNIT 1
PLANNED OUTAGE 2008
PROJECTED CPM
8/15/2007

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2008 - DECEMBER 2008

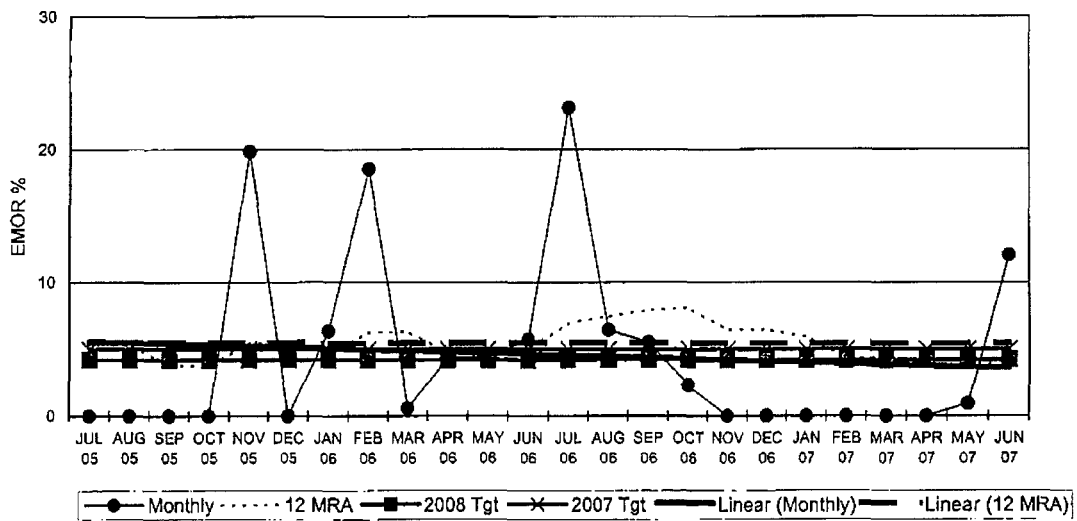


TAMPA ELECTRIC COMPANY
BAYSIDE UNIT 2
PLANNED OUTAGE 2008
PROJECTED CPM
8/15/2007

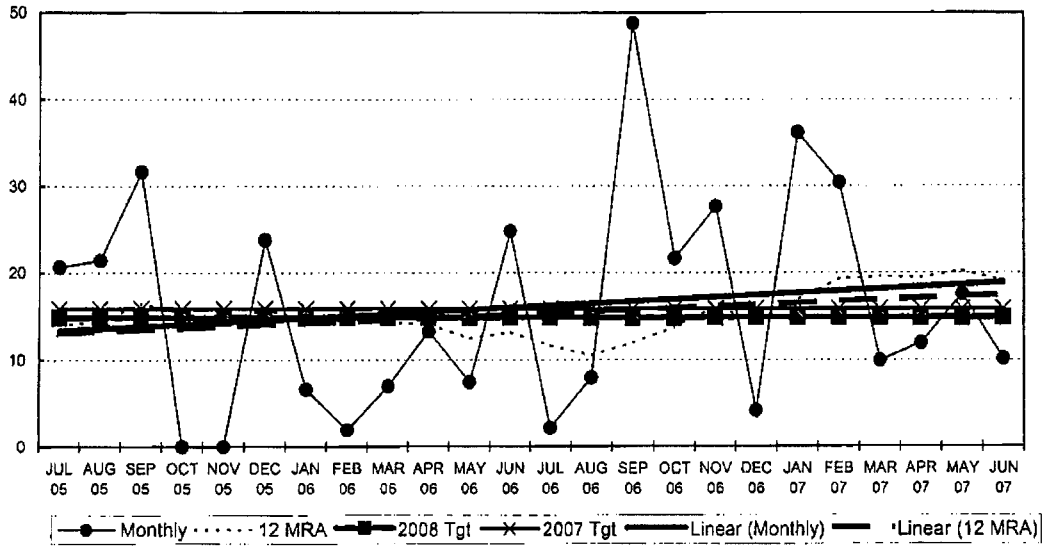
Big Bend Unit 1
 EFOR



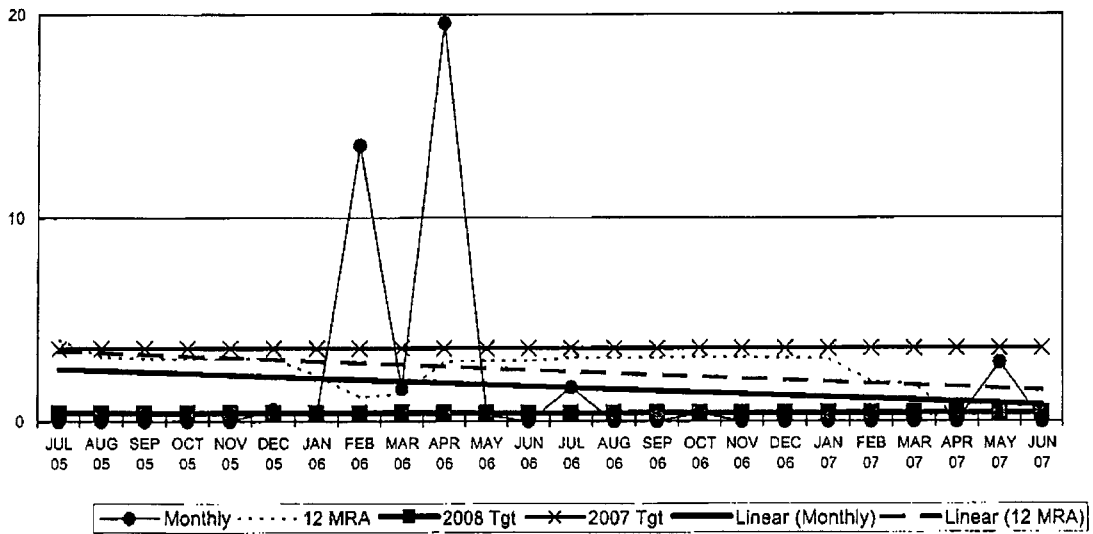
Big Bend Unit 1
 EMOR



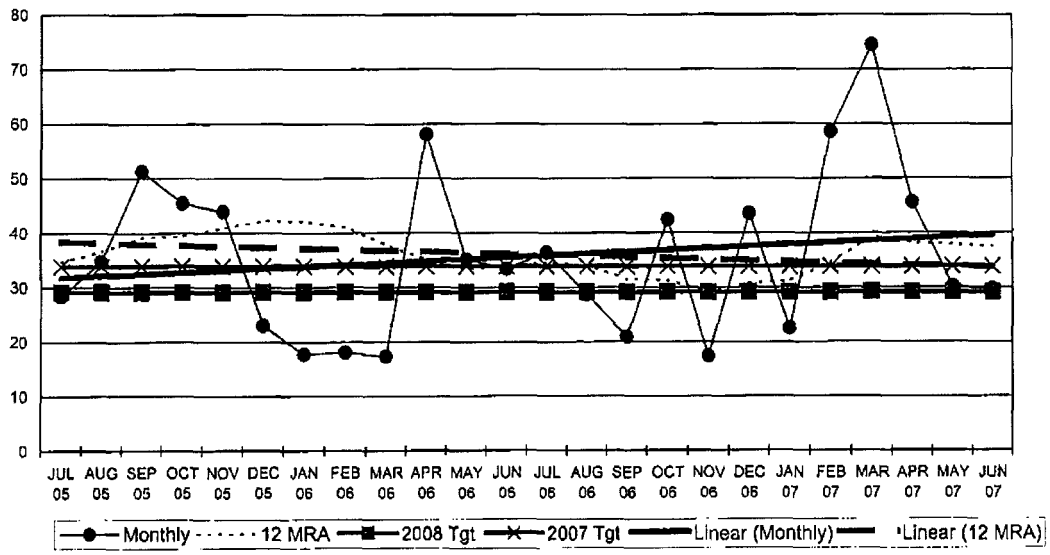
Big Bend Unit 2
 EFOR



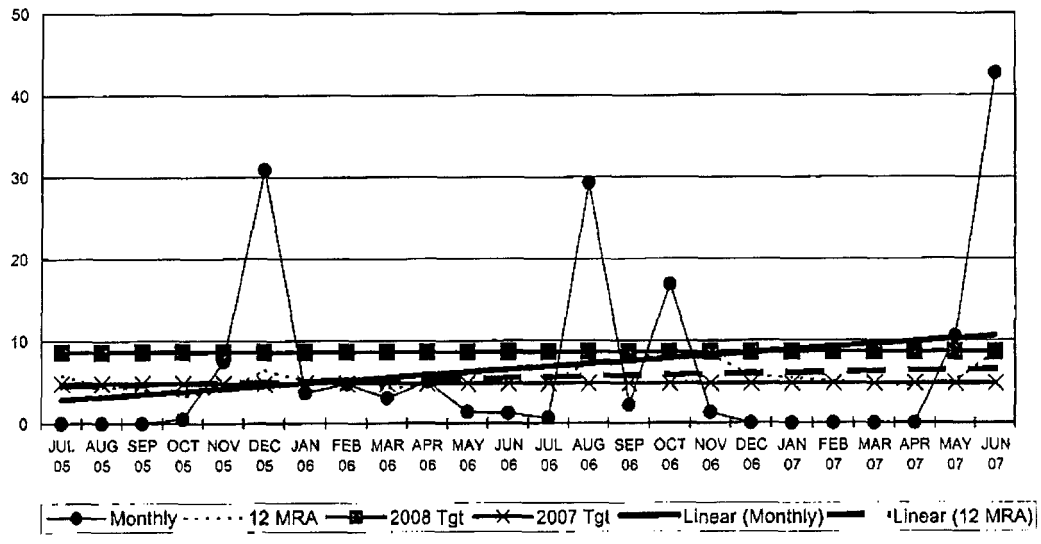
Big Bend Unit 2
 EMOR



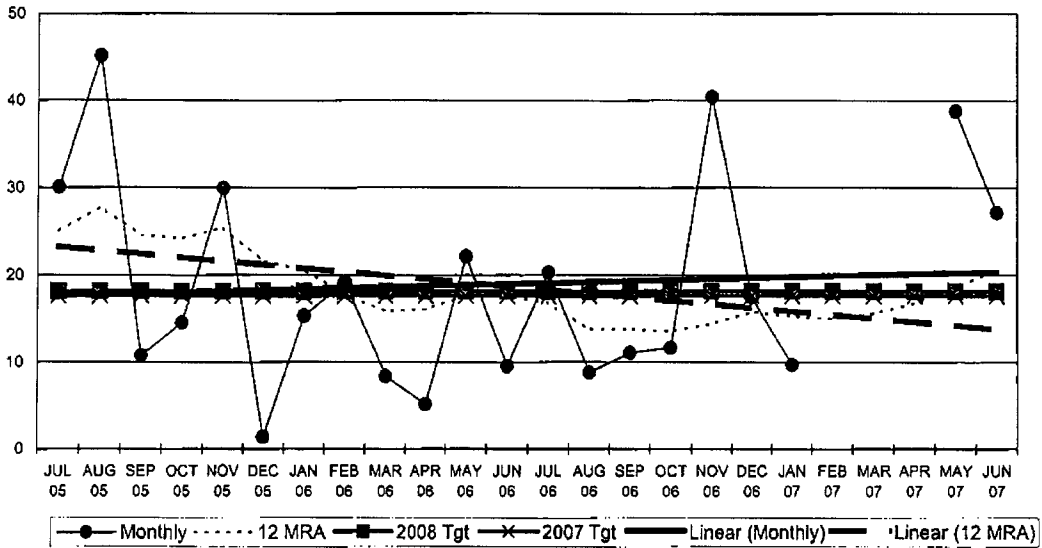
Big Bend Unit 3
 EFOR



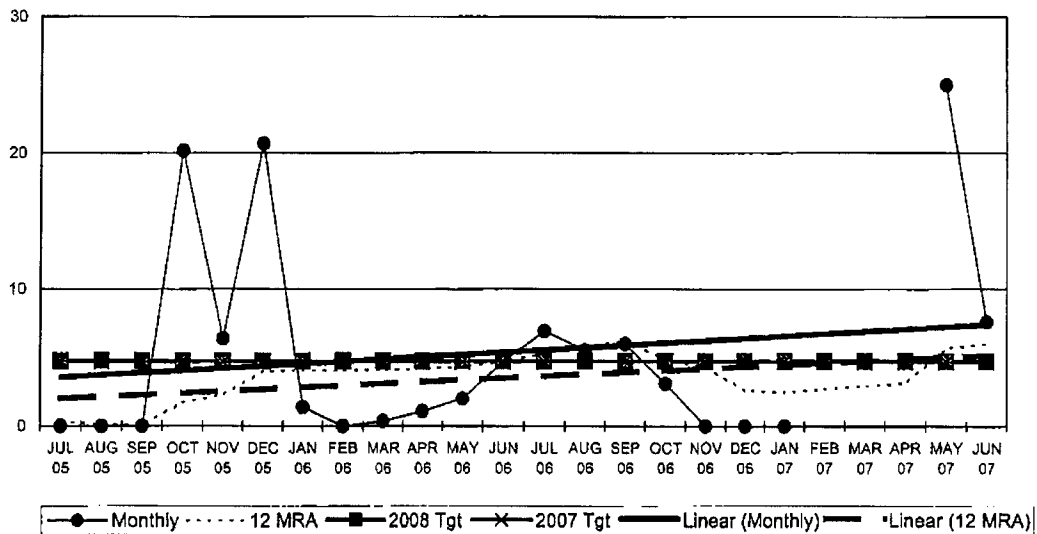
Big Bend Unit 3
 EMOR



Big Bend Unit 4
 EFOR

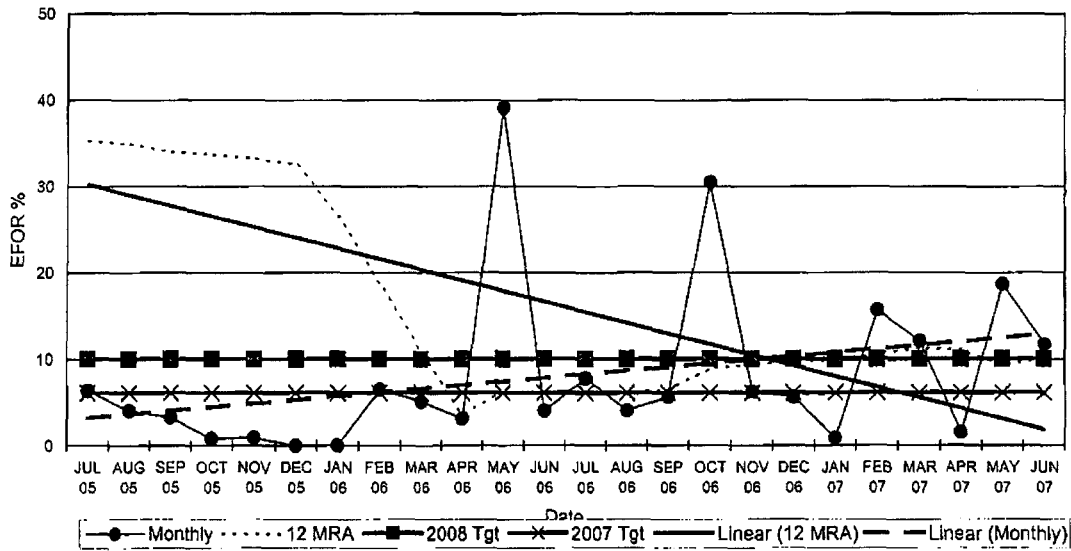


Big Bend Unit 4
 EMOR

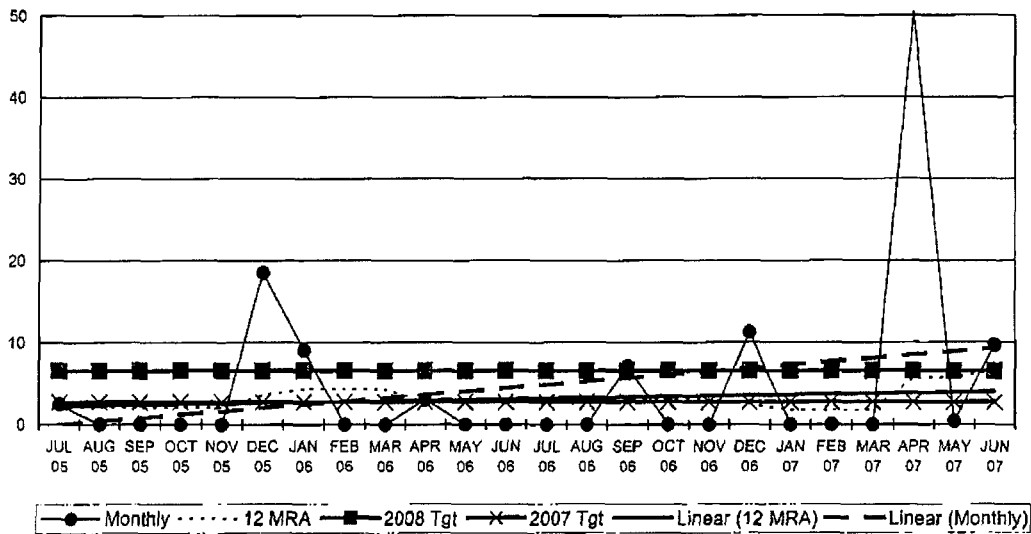


Note: Big Bend Unit 4 was offline for SCR installation from 2/1/2007 to 5/19/2007; therefore, data is not available for the months of February, March and April.

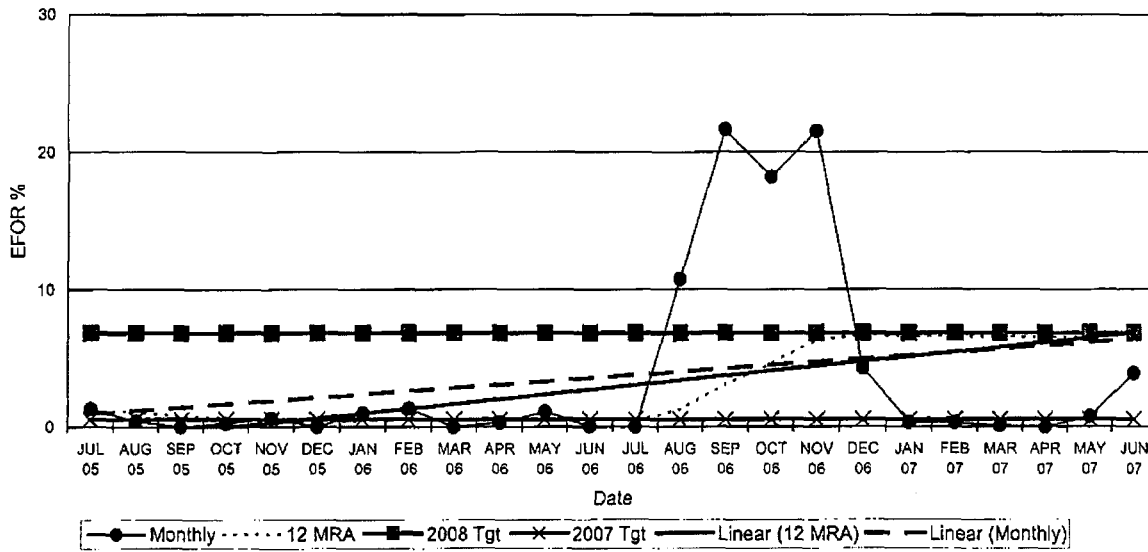
Polk Unit 1
EFOR



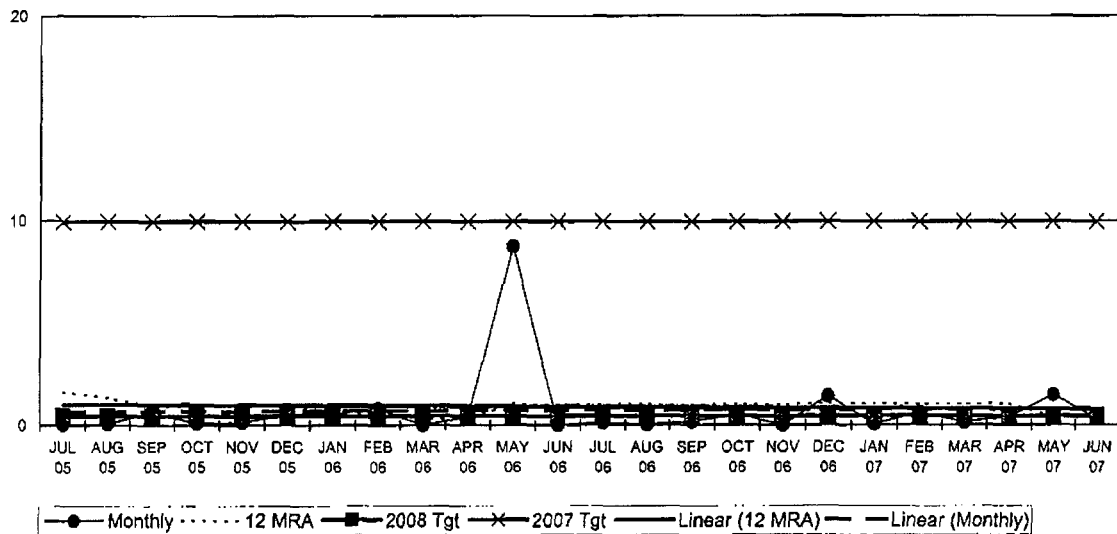
Polk Unit 1
EMOR



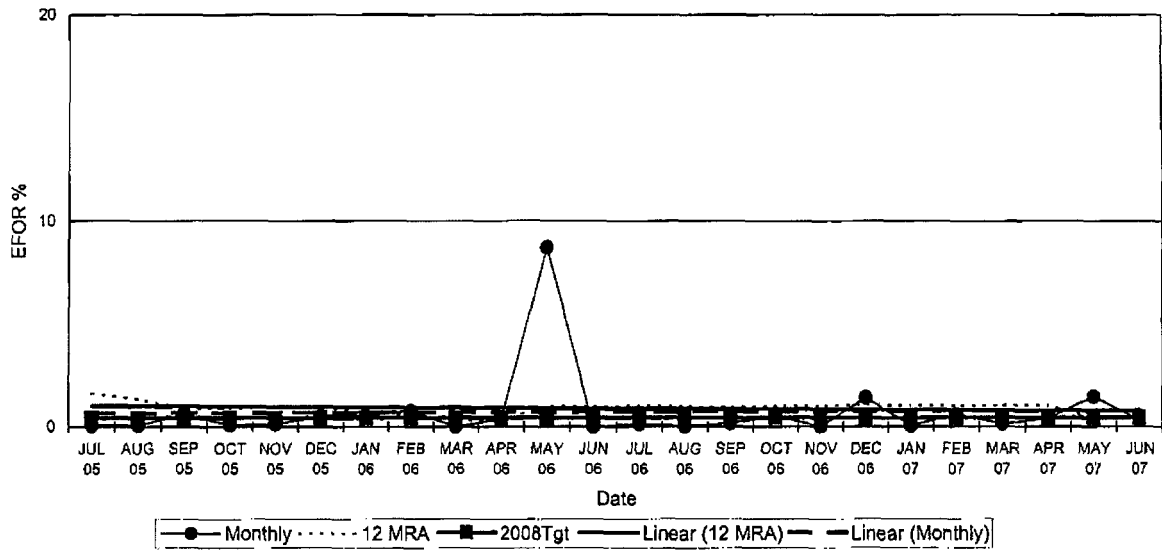
Bayside Unit 1
EFOR



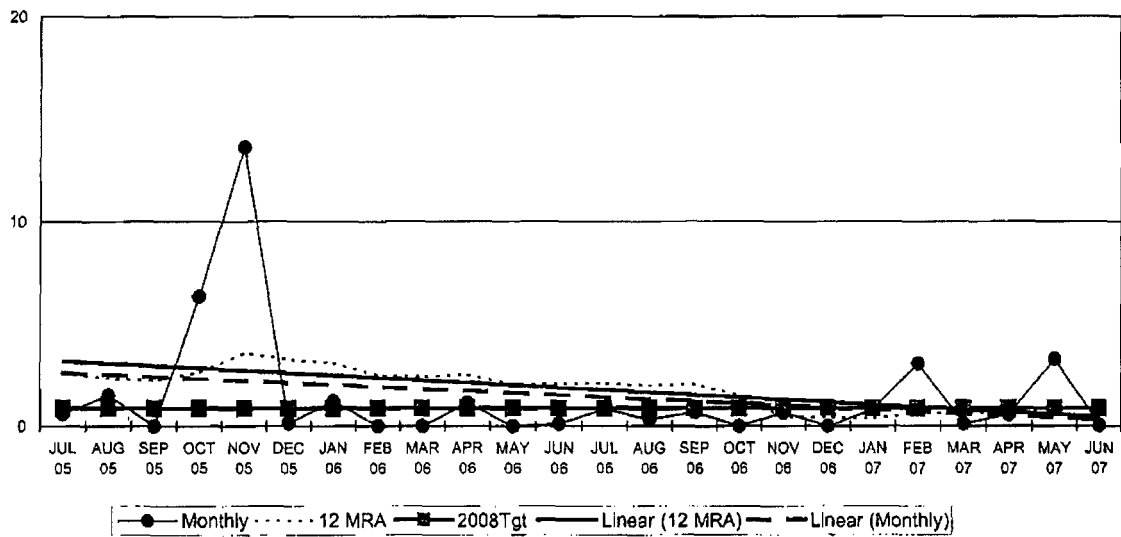
Bayside Unit 1
EMOR



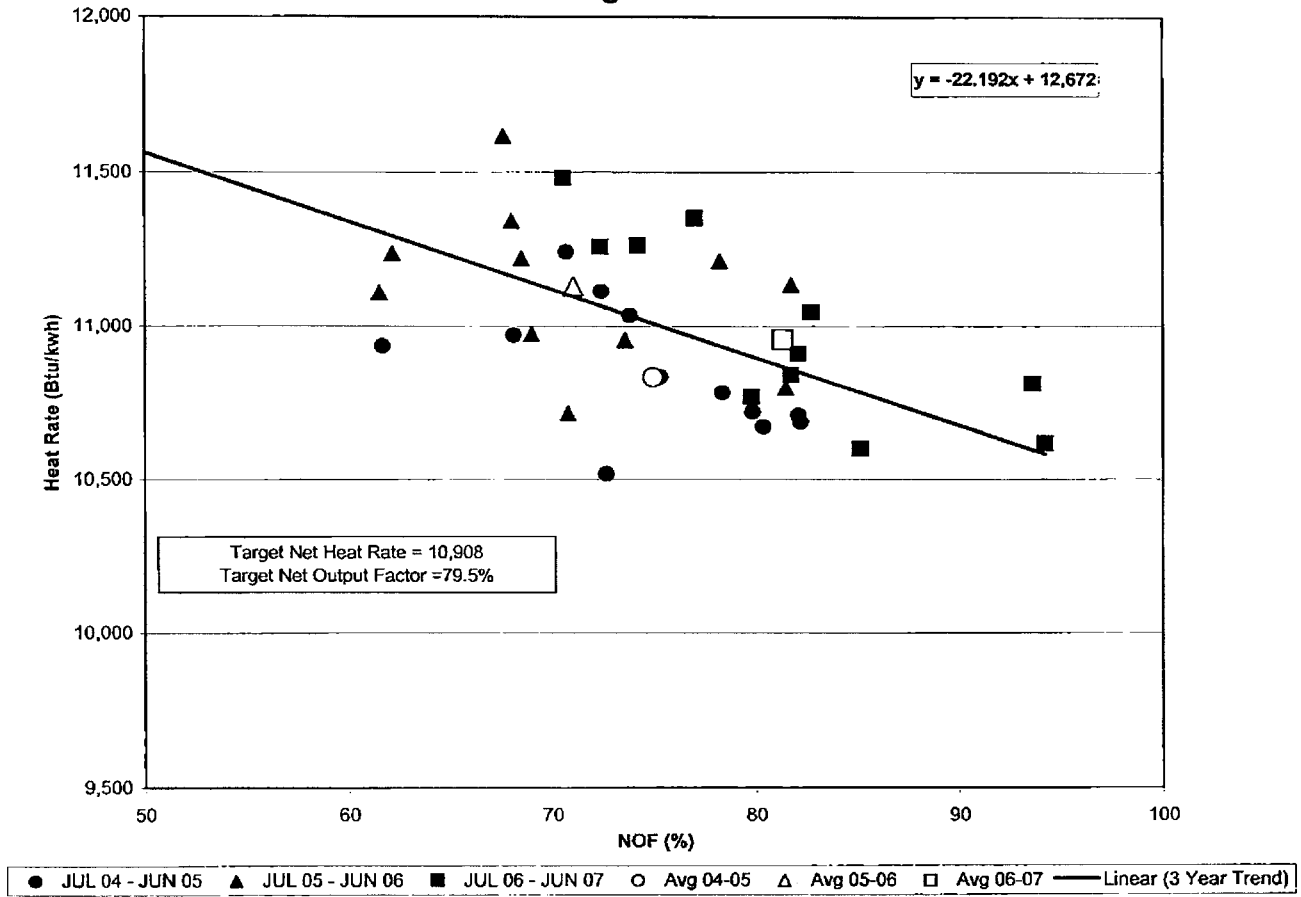
Bayside Unit 2
EFOR



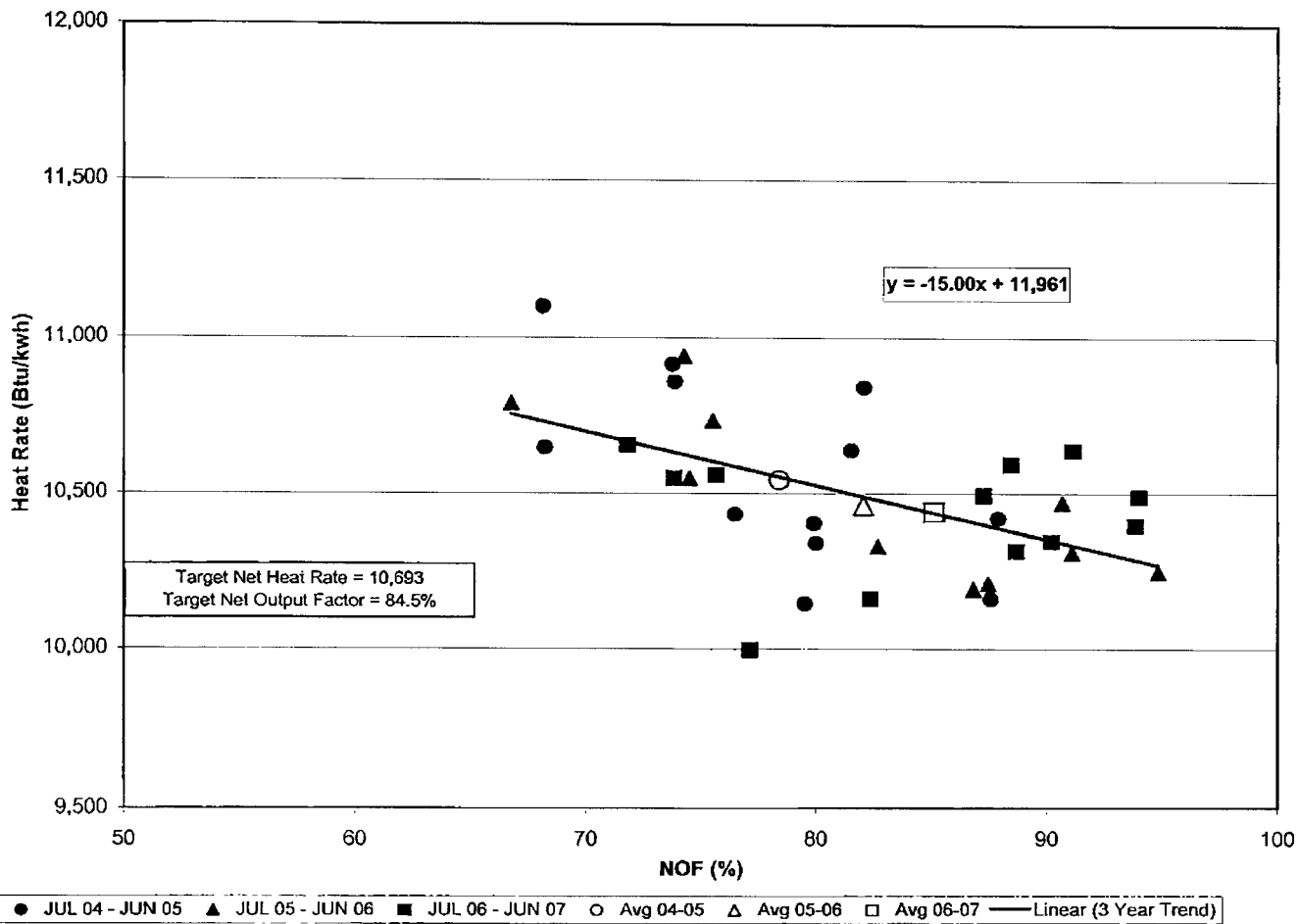
Bayside Unit 2
EMOR



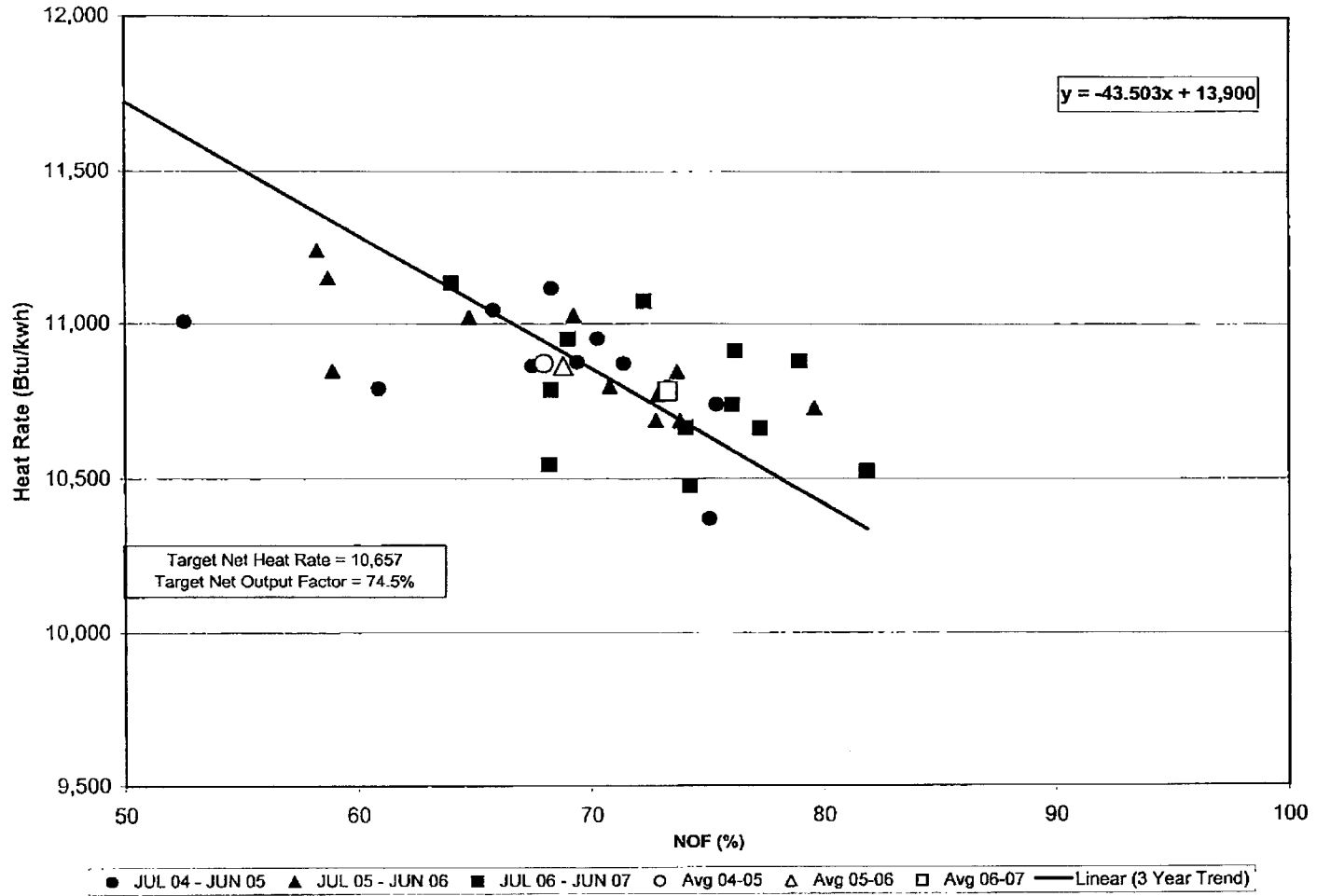
Tampa Electric Company Heat Rate vs Net Output Factor Big Bend Unit 1



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

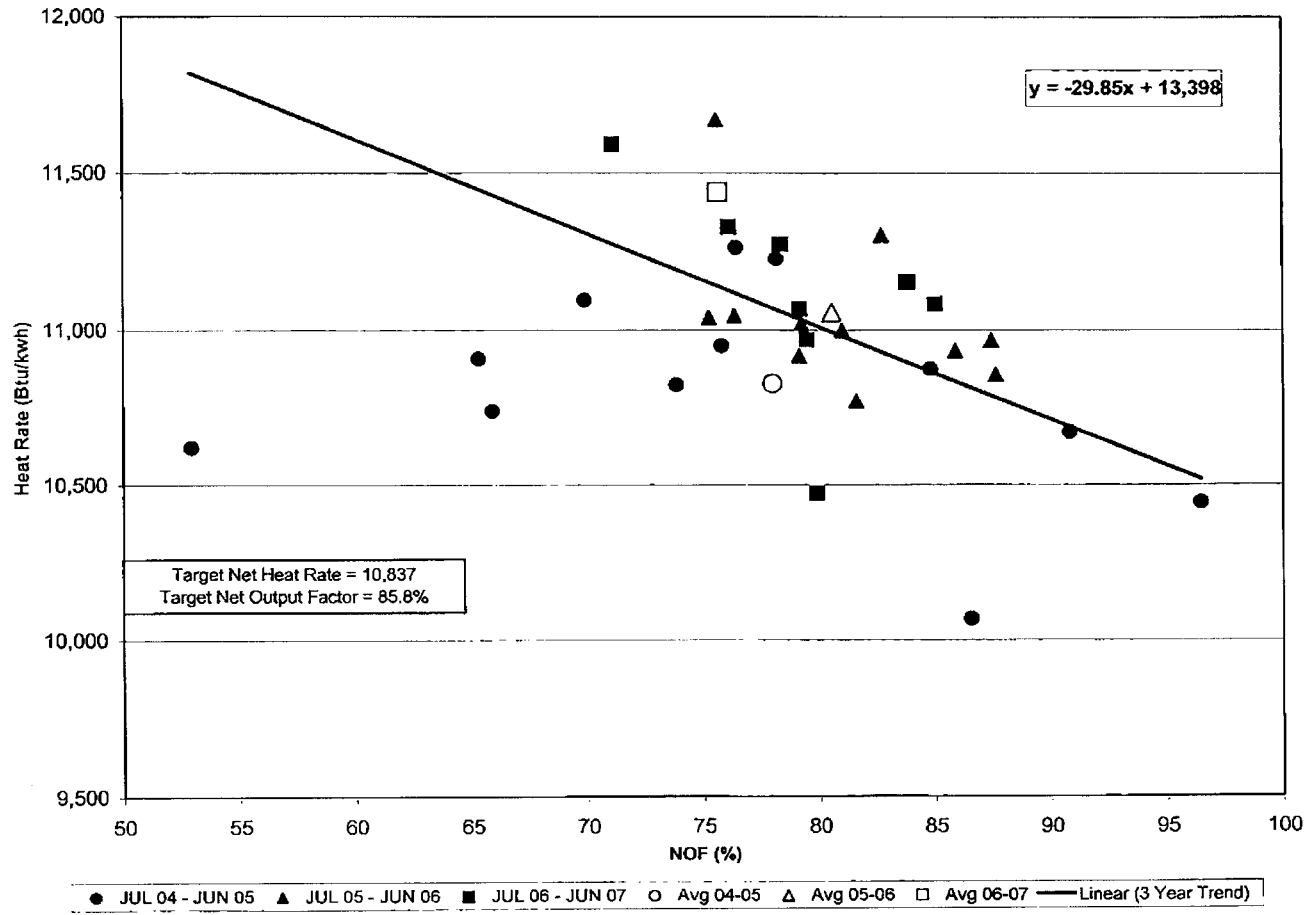


**Tampa Electric Company
Heat Rate vs Net Output Factor
Big Bend Unit 3**

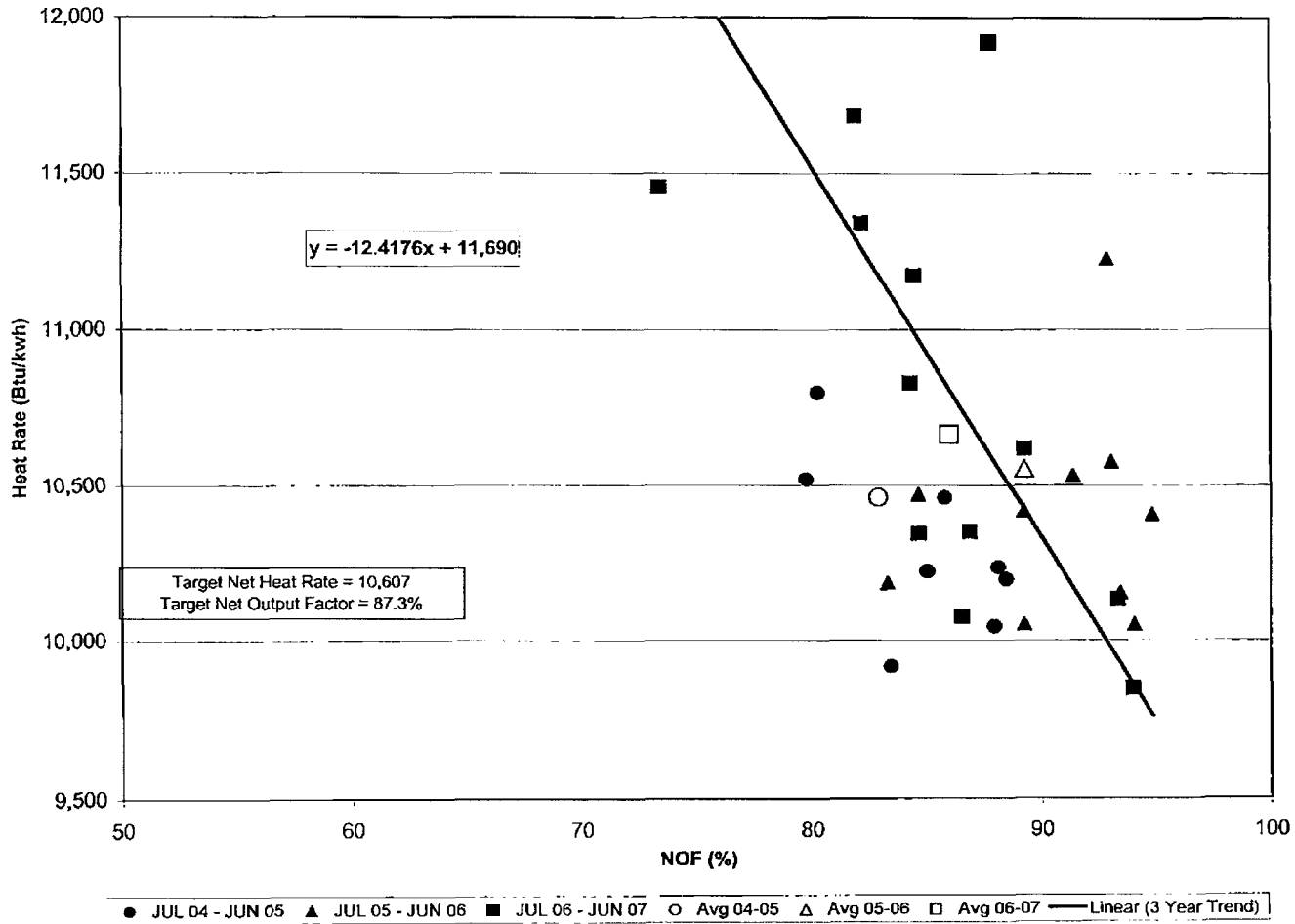


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Tampa Electric Company Heat Rate vs Net Output Factor Big Bend Unit 4

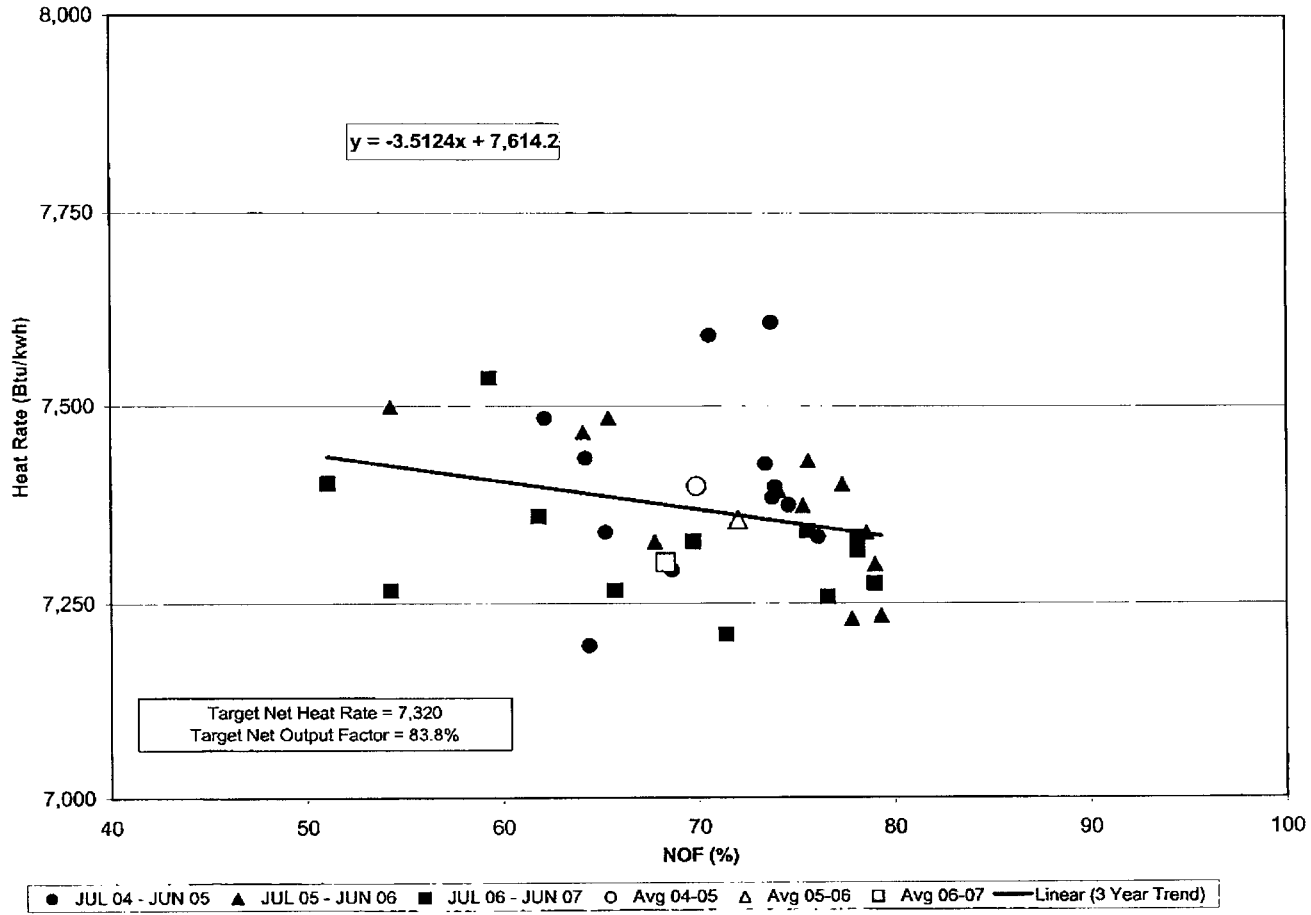


Tampa Electric Company
Heat Rate vs Net Output Factor
Polk Unit 1



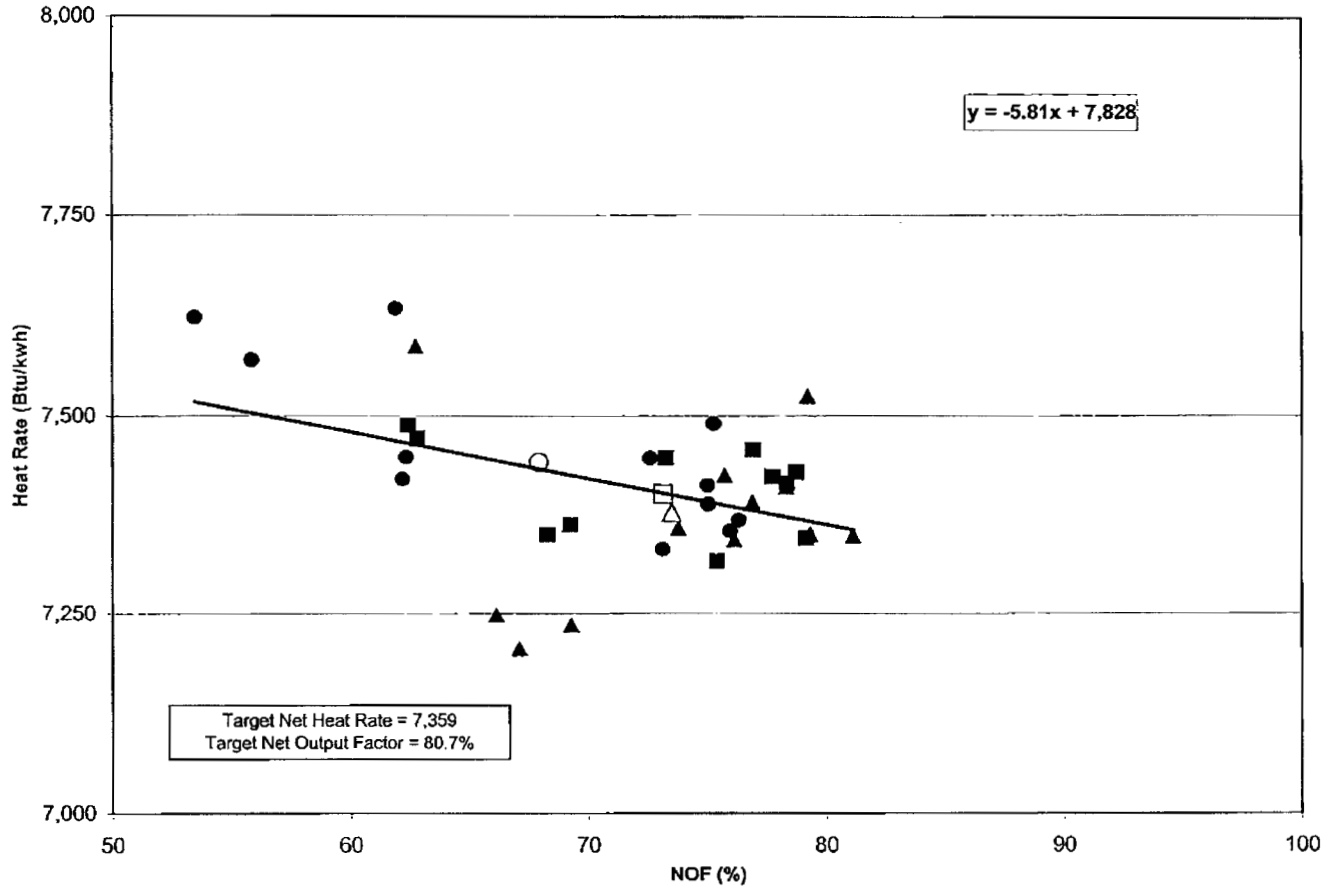
57

**Tampa Electric Company
Heat Rate vs Net Output Factor
Bayside Unit 1**



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**Tampa Electric Company
Heat Rate vs Net Output Factor
Bayside Unit 2**



● JUL 04 - JUN 05 ▲ JUL 05 - JUN 06 ■ JUL 06 - JUN 07 ○ Avg 04-05 △ Avg 05-06 □ Avg 06-07 — Linear (3 Year Trend)

**TAMPA ELECTRIC COMPANY
GENERATING UNITS IN GPIF
TABLE 4.2
JANUARY 2008 - DECEMBER 2008**

<u>PLANT / UNIT</u>	<u>ANNUAL GROSS MDC (MW)</u>	<u>ANNUAL NET NDC (MW)</u>
BIG BEND 1	400.0	380.0
BIG BEND 2	410.0	390.0
BIG BEND 3	420.0	395.0
BIG BEND 4	470.0	437.0
POLK 1	325.0	257.5
BAYSIDE 1	801.0	747.5
BAYSIDE 2	1,058.0	989.0
GPIF TOTAL	<u>3,884.0</u>	<u>3,596.0</u>
SYSTEM TOTAL	4,787.0	4,437.5
% OF SYSTEM TOTAL	81.14%	81.04%

TAMPA ELECTRIC COMPANY
UNIT RATINGS
JANUARY 2008 - DECEMBER 2008

<u>PLANT / UNIT</u>	<u>ANNUAL GROSS MDC (MW)</u>	<u>ANNUAL NET NDC (MW)</u>
BIG BEND 1	400.0	380.0
BIG BEND 2	410.0	390.0
BIG BEND 3	420.0	395.0
BIG BEND 4	470.0	437.0
BIG BEND TOTAL	<u>1,700.0</u>	<u>1,602.0</u>
BIG BEND CT1	13.0	12.5
BIG BEND CT2	80.0	70.0
BIG BEND CT3	45.0	45.0
CT TOTAL	<u>138.0</u>	<u>127.5</u>
PHILLIPS 1	18.5	17.5
PHILLIPS 2	18.5	17.5
PHILLIPS TOTAL	<u>37.0</u>	<u>35.0</u>
POLK 1	325.0	257.5
POLK 2	184.0	172.0
POLK 3	184.0	172.0
POLK 4	180.0	167.5
POLK 5	180.0	167.5
POLK TOTAL	<u>1,053.0</u>	<u>936.5</u>
BAYSIDE 1	801.0	747.5
BAYSIDE 2	1,058.0	989.0
BAYSIDE TOTAL	<u>1,859.0</u>	<u>1,736.5</u>
SYSTEM TOTAL	<u>4,787.0</u>	<u>4,437.5</u>

**TAMPA ELECTRIC COMPANY
PERCENT GENERATION BY UNIT
JANUARY 2008 - DECEMBER 2008**

<u>PLANT</u>	<u>UNIT</u>	<u>NET OUTPUT MWH</u>	<u>PERCENT OF PROJECTED OUTPUT</u>	<u>PERCENT CUMULATIVE PROJECTED OUTPUT</u>
BAYSIDE	2	4,711,118	24.31%	24.31%
BAYSIDE	1	3,889,229	20.07%	44.37%
BIG BEND	4	2,652,938	13.69%	58.06%
BIG BEND	2	2,468,665	12.74%	70.80%
BIG BEND	1	2,145,174	11.07%	81.86%
POLK	1	1,599,527	8.25%	90.12%
BIG BEND	3	1,527,678	7.88%	98.00%
POLK	4	122,641	0.63%	98.63%
POLK	5	93,831	0.48%	99.11%
POLK	2	65,440	0.34%	99.45%
POLK	3	44,652	0.23%	99.68%
PHILLIPS	2	31,526	0.16%	99.84%
PHILLIPS	1	29,862	0.15%	100.00%
BIG BEND CT	2	162	0.00%	100.00%
BIG BEND CT	3	96	0.00%	100.00%
BIG BEND CT	1	14	0.00%	100.00%

TOTAL GENERATION

19,382,553

100.00%

GENERATION BY COAL UNITS: 10,393,982 MWHGENERATION BY NATURAL GAS UNITS: 8,926,911 MWH% GENERATION BY COAL UNITS: 53.63%% GENERATION BY NATURAL GAS UNITS: 46.06%GENERATION BY OIL UNITS: 61,660 MWHGENERATION BY GPIF UNITS: 18,994,329 MWH% GENERATION BY OIL UNITS: 0.32%% GENERATION BY GPIF UNITS: 98.00%

DOCKET NO. 070001-EI
GPIF 2008 PROJECTION FILING
EXHIBIT NO. _____ (DRK-2)
DOCUMENT NO. 2

EXHIBIT TO THE TESTIMONY OF
DAVID R. KNAPP

DOCUMENT NO. 2

SUMMARY OF GPIF TARGETS
JANUARY 2008 - DECEMBER 2008

TAMPA ELECTRIC COMPANY
 SUMMARY OF GPIF TARGETS
 JANUARY 2008 - DECEMBER 2008

Unit	Availability			Net
	EAF	POF	EUOF	Heat Rate
Big Bend 1¹	72.8	3.8	23.4	10,908
Big Bend 2²	77.3	8.7	14.0	10,693
Big Bend 3³	47.5	26.5	26.0	10,657
Big Bend 4⁴	73.6	3.8	22.6	10,837
Polk 1⁵	77.2	7.9	14.9	10,607
Bayside 1⁶	84.5	3.8	11.7	7,320
Bayside 2⁷	83.6	15.3	1.1	7,359

^{1/} Original Sheet 8.401.07E, Page 14

^{2/} Original Sheet 8.401.07E, Page 15

^{3/} Original Sheet 8.401.07E, Page 16

^{4/} Original Sheet 8.401.07E, Page 17

^{5/} Original Sheet 8.401.07E, Page 18

^{6/} Original Sheet 8.401.07E, Page 19

^{7/} Original Sheet 8.401.07E, Page 20