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March 15, 2018

VIA: ELECTRONIC FILING

Ms. Carlotta S. Stauffer
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Fuel and Purchased Power Cost Recovery Clause with Generating
Performance Incentive Factor; FPSC Docket No. 20180001-EI

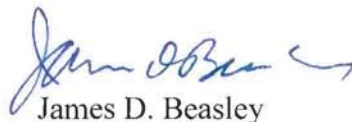
Dear Ms. Stauffer:

Attached for filing in the above docket on behalf of Tampa Electric Company are the following:

1. Petition for Approval of Generating Performance Incentive Factor Results for the Twelve Month Period Ending December 2017.
2. Prepared Direct Testimony and Exhibits (BSB-1) and (BSB-2) of Brian S. Buckley regarding Generating Performance Incentive Factor True-Up for the period January 2017 through December 2017 and corrections to GPIF amounts for 2014, 2015, and 2016.

Thank you for your assistance in connection with this matter.

Sincerely,


James D. Beasley

JDB/pp
Attachments

cc: All parties of record (w/attachments)

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Petition and Testimony, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 15th day of March 2018 to the following:

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ATTORNEY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and Purchased Power)
Cost Recovery Clause and Generating)
Performance Incentive Factor.)
_____)

DOCKET NO. 20180001-EI
FILED: March 15, 2018

**TAMPA ELECTRIC COMPANY'S PETITION FOR APPROVAL OF
GENERATING PERFORMANCE INCENTIVE FACTOR RESULTS
FOR THE TWELVE MONTH PERIOD ENDING DECEMBER 2017**

Tampa Electric Company ("Tampa Electric" or "the company") hereby petitions this Commission for approval of the company's results for the twelve-month period ending December 2017. In support of this Petition, Tampa Electric states as follows:

1. By Order No. PSC-16-0547-FOF-EI, dated December 5, 2016, the Commission approved Tampa Electric's GPIF targets for the period January 2017 through December 2017. The company subsequently discovered an error in the target-setting, as discussed in the testimony of Brian S. Buckley, filed together with the petition, and with this filing provides corrected 2017 targets. The application of the GPIF formula, including the corrected targets, to the performance of the company's GPIF units during that period produces a penalty of \$4,711,929. The calculation of the company's GPIF penalty is discussed and supported in the prepared direct testimony and exhibit of Tampa Electric witness Brian S. Buckley, which are being filed together with this petition and incorporated herein by reference.

2. Along with presenting the calculation of 2017 performance results, Tampa Electric proposes to make an adjustment to correct errors in Bayside Station natural gas consumption that affect targets and actual results for performance during 2014, 2015, and 2016, as well as the 2017 and 2018 targets. The company discovered the error while analyzing

Bayside unit heat rates that appeared too high and corrected the 2017 actual results in its monthly performance data filings.

3. The original filed GPIF reward or penalty amounts, corrected values, and annual differences for the 2014 through 2016 GPIF amounts are shown in the following table:

	Difference in GPIF		
	Reward/(Penalty)		
	<u>Original</u>	<u>Corrected</u>	<u>Difference</u>
2014	\$1,258,599	\$1,990,038	\$731,439
2015	969,593	1,711,713	742,120
2016	47,392	1,024,743	<u>977,351</u>
Total			\$2,450,910

The net result of the \$4,711,929 penalty for 2017 actual performance results and the 2014 through 2016 adjustments is a penalty of \$2,261,019.

4. An additional change was made to the company’s GPIF targets for January 2018 through December 2018 to update the tax rate used in the determination of the maximum reward associated with the GPIF target, to reflect the lower corporate tax rate specified by the Tax Cuts and Jobs Act of 2017, enacted by the United States Congress on December 20, 2017 and signed into law by the President on December 22, 2017. The lower tax rate is effective January 1, 2018, and applies to the 2018 targets.

5. Finally, Tampa Electric requests that the following company-specific issues, associated with the corrections discussed in this petition, be added to the scope of this proceeding:

ISSUE 15A: What adjustments, if any, should be made to correct Tampa Electric's calculations of its GPIF rewards or penalties for the years 2014, 2015, and 2016?

ISSUE 15B: Should the Commission approve Tampa Electric's proposed corrections to its GPIF 2017 and 2018 targets?

WHEREFORE, Tampa Electric respectfully requests the Commission to approve \$2,261,019 as its GPIF penalty for the period ending December 2017 and authorize the inclusion of this amount in the calculation of Tampa Electric's fuel factors for the period beginning January 2019.

DATED this 15th day of March 2018.

Respectfully submitted,



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ATTORNEY



BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 20180001-EI
IN RE: FUEL & PURCHASED POWER COST RECOVERY
AND
CAPACITY COST RECOVERY

GENERATING PERFORMANCE INCENTIVE FACTOR
TRUE-UP
JANUARY 2017 THROUGH DECEMBER 2017

TESTIMONY AND EXHIBIT
OF
BRIAN S. BUCKLEY

1 **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2 **PREPARED DIRECT TESTIMONY**

3 **OF**

4 **BRIAN S. BUCKLEY**

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

8
9 **A.** My name is Brian S. Buckley. My business address is 702 North
10 Franklin Street, Tampa, Florida 33602. I am employed by Tampa
11 Electric Company ("Tampa Electric" or "company") in the
12 position of Manager, Unit Commitment.

13
14 **Q.** Please provide a brief outline of your educational background
15 and business experience.

16
17 **A.** I received a Bachelor of Science degree in Mechanical
18 Engineering in 1997 from the Georgia Institute of Technology
19 and a Master of Business Administration from the University
20 of South Florida in 2003. I am a registered Professional
21 Engineer in the state of Florida, and I have over 20 years
22 of electric utility work experience. I began my career with
23 Tampa Electric in 1999 as an Engineer in Plant Technical
24 Services and have held various engineering positions at Tampa
25 Electric's power generating stations and in the Operations

1 Planning Department where I was responsible for unit
2 performance analysis and reporting. In 2008, I was promoted
3 to Manager, Operations Planning, and in 2011, NERC Compliance
4 was added to my current responsibilities. In 2017, I was
5 promoted to Manager, Unit Commitment, where I am responsible
6 for portfolio optimization of Tampa Electric's generation
7 assets.

8
9 **Q.** What is the purpose of your testimony?

10
11 **A.** The purpose of my testimony is (i) to present Tampa Electric's
12 actual performance results from unit equivalent availability
13 and heat rate used to determine the Generating Performance
14 Incentive Factor ("GPIF") for the period January 2017 through
15 December 2017 and compare them to the targets for the period;
16 (ii) present corrected actual performance results and targets
17 for the years 2014, 2015, and 2016; and (iii) present
18 corrected targets for the years 2017 and 2018.

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

21
22 **A.** Yes, for the 2017 performance results, I prepared Exhibit No.
23 BSB-1, consisting of two documents. Document No. 1, entitled
24 "GPIF Schedules" is consistent with the GPIF Implementation
25 Manual approved by the Commission. Document No. 2 provides

1 the company's Actual Unit Performance Data for the 2017
2 period.

3
4 Exhibit No. BSB-2, consisting of eight documents, is provided
5 to correct actual results and targets. Exhibit No. BSB-2
6 comprises the following documents:

7 Document No. 1 January 2014 - December 2014 Targets

8 Document No. 2 January 2014 - December 2014 Actual
9 Performance Results

10 Document No. 3 January 2015 - December 2015 Targets

11 Document No. 4 January 2015 - December 2015 Actual
12 Performance Results

13 Document No. 5 January 2016 - December 2016 Targets

14 Document No. 6 January 2016 - December 2016 Actual
15 Performance Results

16 Document No. 7 January 2017 - December 2017 Targets

17 Document No. 8 January 2018 - December 2018 Targets
18

19 **Q.** Which generating units on Tampa Electric's system are included
20 in the determination of the 2017 GPIF?
21

22 **A.** Four of the company's coal-fired units, one integrated
23 gasification combined cycle unit and two natural gas combined
24 cycle units are included. These are Big Bend Units 1 through
25 4, Polk Unit 1 and Bayside Units 1 and 2, respectively.

1 **Q.** Have you calculated the results of Tampa Electric's
2 performance under the GPIF during the January 2017 through
3 December 2017 period?
4

5 **A.** Yes, I have. This is shown on Exhibit No. BSB-1, Document No.
6 1, page 4 of 32. Based upon -5.548 Generating Performance
7 Incentive Points ("GPIP"), the result is a penalty amount of
8 \$4,711,929 for the period.
9

10 **Q.** Please proceed with your review of the actual results for the
11 January 2017 through December 2017 period.
12

13 **A.** On Exhibit No. BSB-1, Document No. 1, page 3 of 32, the actual
14 average common equity for the period is shown on line 14 as
15 \$2,489,302,804. This produces the maximum penalty or reward
16 amount of \$8,493,208 as shown on line 23.
17

18 **Q.** Will you please explain how you arrived at the actual
19 equivalent availability results for the seven units included
20 within the GPIF?
21

22 **A.** Yes. Operating data for each of the units is filed monthly
23 with the Commission on the Actual Unit Performance Data form.
24 Additionally, outage information is reported to the Commission
25 on a monthly basis. A summary of this data for the 12 months

1 provides the basis for the GPIF.
2

3 **Q.** Are the actual equivalent availability results shown on
4 Exhibit No. BSB-1, Document No. 1, page 6 of 32, column 2,
5 directly applicable to the GPIF table?
6

7 **A.** No. Adjustments to actual equivalent availability may be
8 required as noted in Section 4.3.3 of the GPIF Manual. The
9 actual equivalent availability including the required
10 adjustment is shown on Document No. 1, page 6 of 32, column
11 4. The necessary adjustments as prescribed in the GPIF Manual
12 are further defined by a letter dated October 23, 1981, from
13 Mr. J. H. Hoffsis of the Commission's Staff. The adjustments
14 for each unit are as follows:
15

16 **Big Bend Unit No. 1**

17 On this unit, 576.0 planned outage hours were originally
18 scheduled for 2017. Actual outage activities required 144.0
19 planned outage hours. Consequently, the actual equivalent
20 availability of 71.1 percent is adjusted to 67.5 percent as
21 shown on Exhibit No. BSB-1, Document No. 1, page 7 of 32.
22

23 **Big Bend Unit No. 2**

24 On this unit, 576.0 planned outage hours were originally
25 scheduled for 2017. Actual outage activities required 650.7

1 planned outage hours. Consequently, the actual equivalent
2 availability of 58.3 percent is adjusted to 58.8 percent as
3 shown on Exhibit No. BSB-1, Document No. 1, page 8 of 32.

4
5 **Big Bend Unit No. 3**

6 On this unit, 1,920.0 planned outage hours were originally
7 scheduled for 2017. Actual outage activities required 309.5
8 planned outage hours. Consequently, the actual equivalent
9 availability of 49.8 percent is adjusted to 40.3 percent as
10 shown on Exhibit No. BSB-1, Document No. 1, page 9 of 32.

11
12 **Big Bend Unit No. 4**

13 On this unit, 576.0 planned outage hours were originally
14 scheduled for 2017. Actual outage activities required 0.0
15 planned outage hours. Consequently, the actual equivalent
16 availability of 69.3 percent is adjusted to 64.7 percent as
17 shown on Exhibit No. BSB-1, Document No. 1, page 10 of 32.

18
19 **Polk Unit No. 1**

20 On this unit, 648.0 planned outage hours were originally
21 scheduled for 2017. Actual outage activities required 381.6
22 planned outage hours. Consequently, the actual equivalent
23 availability of 90.5 percent is adjusted to 87.6 percent, as
24 shown on Exhibit No. BSB-1, Document No. 1, page 11 of 32.

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Bayside Unit No. 1

On this unit, 1,631.0 planned outage hours were originally scheduled for 2017. Actual outage activities required 1,015.7 planned outage hours. Consequently, the actual equivalent availability of 86.5 percent is adjusted to 79.7 percent, as shown on Exhibit No. BSB-1, Document No. 1, page 12 of 32.

Bayside Unit No. 2

On this unit, 1,705.0 planned outage hours were originally scheduled for 2017. Actual outage activities required 820.8 planned outage hours. Consequently, the actual equivalent availability of 85.5 percent is adjusted to 75.9 percent, as shown on Exhibit No. BSB-1, Document No. 1, page 13 of 32.

Q. How did you arrive at the applicable equivalent availability points for each unit?

A. The final adjusted equivalent availabilities for each unit are shown on Exhibit No. BSB-1, Document No. 1, page 6 of 32, column 4. This number is entered into the respective GPIIP table for each particular unit, shown on pages 24 of 32 through 30 of 32. Page 4 of 32 summarizes the weighted equivalent availability points to be awarded or penalized.

Q. Will you please explain the heat rate results relative to the

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GPIF?

A. The actual heat rate and adjusted actual heat rate for Tampa Electric's seven GPIF units are shown on Exhibit No. BSB-1, Document No. 1, page 6 of 32. The adjustment was developed based on the guidelines of Section 4.3.16 of the GPIF Manual. This procedure is further defined by a letter dated October 23, 1981, from Mr. J. H. Hoffsis of the FPSC Staff. The final adjusted actual heat rates are also shown on page 5 of 32, column 9. The heat rate value is entered into the respective GPIF table for the particular unit, shown on pages 24 through 30 of 32. Page 4 of 32 summarizes the weighted heat rate points to be awarded or penalized.

Q. What is the overall GPIF for Tampa Electric for the January 2017 through December 2017 period?

A. This is shown on Document No. 1, page 2 of 32. Essentially, the weighting factors shown on page 4 of 32, column 3, plus the equivalent availability points and the heat rate points shown on page 4 of 32, column 4, are substituted within the equation found on page 32 of 32. The resulting value, -5.548, is then located in the GPIF table on page 2 of 32, and the penalty amount of \$4,711,929 is calculated using linear interpolation.

1 **Q.** Are there any other constraints set forth by the Commission
2 regarding the magnitude of incentive dollars?

3

4 **A.** Yes. Incentive dollars are not to exceed 50 percent of fuel
5 savings. Tampa Electric met this constraint, limiting the
6 total potential reward and penalty incentive dollars to
7 \$8,493,208, as shown in Exhibit No. BSB-1, Document No. 1,
8 pages 2 and 3.

9

10 **Q.** Is Tampa Electric proposing any adjustment to previously filed
11 GPIF exhibits?

12

13 **A.** Yes, Tampa Electric proposes to make an adjustment to correct
14 errors in Bayside Station gas consumption that affect 2014,
15 2015, and 2016 actual results and targets, as well as 2017
16 and 2018 targets. The company discovered the error while
17 analyzing Bayside unit heat rates that appeared too high and
18 corrected the 2017 actual results in its monthly performance
19 data filings. The corrected actual results and targets are
20 shown in Exhibit No. BSB-2, Document Nos. 1 through 8.

21

22 **Q.** Please describe the data error and the efforts to prevent such
23 an error in the future.

24

25 **A.** The data error occurred because of the manner in which natural

1 gas consumption at Bayside Station was calculated. A common
2 gas pipeline serves both Bayside and Big Bend Power Stations.
3 The Big Bend Station consumption was determined by metered
4 data, and the Bayside Station consumption was calculated as
5 the total gas volume flow on the pipeline from FGT and
6 Gulfstream, less the Big Bend Station consumption. In
7 September 2012, the Maydell gate was installed on the pipeline
8 serving Bayside and Big Bend Power stations to provide natural
9 gas to a truck filling station. From September 2012 until
10 August 2017, the Maydell gate consumption was not subtracted
11 from Bayside Station's gas consumption. As a result, Bayside
12 natural gas consumption was overstated. The truck filling
13 station consumption was relatively small in the early years
14 (2012-2013); however, consumption increased over time (2014-
15 present), resulting in material impacts to the Bayside heat
16 rates and GPIF results. As a result, Tampa Electric corrected
17 the previously reported consumption and Bayside heat rate
18 calculations for GPIF results for the period from January 2014
19 through December 2016.

20
21 To ensure that this error does not occur in the future, changes
22 in the determination of Bayside Station consumption have been
23 made. Rather than a calculated consumption, effective October
24 2017, actual daily MMBtu data for Bayside Station is being
25 measured by the Gas Measurement & Regulation Department. Along

1 with the meter measurement of Bayside Station consumption,
2 additional control check and reconciliation have been
3 established to validate data and identify and address meter
4 issues. First, a weekly reconciliation of the gas pipeline
5 volumes is now being performed by the Gas Supply Department.
6 Second, a plant measurement to pipeline measurement comparison
7 is performed weekly by the Asset Management Department. The
8 change in Bayside Station consumption determination along with
9 the checks and reconciliation identified above will prevent
10 this error from occurring in the future.

11
12 **Q.** Why does a consumption data error require restatement of
13 targets?

14
15 **A.** GPIF targets are set annually, based on the previous three
16 years of historical data. Therefore, the data errors affected
17 not only the actual heat rate results the company reported,
18 but also the targets set using that data.

19
20 **Q.** Is the 2017 penalty calculated using the company's corrected
21 2017 targets?

22
23 **A.** Yes, the \$4,711,929 penalty was calculated by comparing actual
24 performance results for 2017 to the corrected 2017 targets
25 submitted in Exhibit No. BSB-2.

1 **Q.** Please describe the impacts of the Bayside consumption error
2 correction to GPIF results for 2014, 2015, and 2016.

3
4 **A.** The original filed GPIF amounts, corrected values, and annual
5 differences for the 2014 through 2016 GPIF reward/penalty
6 amounts are shown in the following table:

7 Difference in GPIF
8 Reward/(Penalty)

	<u>Original</u>	<u>Corrected</u>	<u>Difference</u>
9 2014	\$1,258,599	\$1,990,038	\$731,439
10 2015	969,593	1,711,713	742,120
11 2016	47,392	1,024,743	<u>977,351</u>
12 Total			\$2,450,910

13
14

15 **Q.** Did you make any other changes to the data in the corrected
16 schedules shown in Exhibit No. BSB-2?

17
18 **A.** Yes, I made a change to the company's GPIF targets for January
19 2018 through December 2018, shown in Document No. 8 of my
20 Exhibit No. BSB-2. I updated the tax rate used in the
21 determination of the maximum reward associated with the GPIF
22 target to reflect the lower corporate tax rate specified by
23 the Tax Cuts and Jobs Act of 2017, enacted by the United
24 States Congress on December 20, 2017 and signed into law by
25 the President on December 22, 2017. The lower tax rate is

1 effective January 1, 2018, so it applies to the 2018 targets.

2
3 **Q.** Are the schedules shown in your exhibit consistent with the
4 GPIF manual approved by the Commission?

5
6 **A.** Yes, the 2017 actual results provided in Exhibit No. BSB-1,
7 as well as the revised actual results and targets provided in
8 Exhibit No. BSB-2, are correct and were prepared in accordance
9 with the Commission-approved GPIF Implementation Manual.

10
11 **Q.** What is the net impact to GPIF from the 2017 actual performance
12 results and the correction in Bayside Station consumption for
13 years 2014 through 2016?

14
15 **A.** The net result of the \$4,711,929 penalty for 2017 actual
16 performance results and the 2014 through 2016 corrections is
17 a penalty of \$2,261,019 for 2017.

18
19 **Q.** Does this conclude your testimony?

20
21 **A.** Yes.

GENERATING PERFORMANCE INCENTIVE FACTOR

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EXHIBIT NO. BSB-1
TAMPA ELECTRIC COMPANY
DOCKET NO. 20180001-EI
GPIF 2017 FINAL TRUE-UP
DOCUMENT NO. 1

EXHIBIT TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCKET NO. 20180001-EI

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2017 - DECEMBER 2017
TRUE-UP

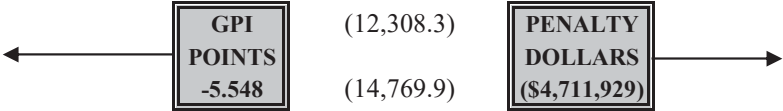
DOCUMENT NO. 1
GPIF SCHEDULES

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2017 - DECEMBER 2017
TRUE-UP
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**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE - ACTUAL
JANUARY 2017 - DECEMBER 2017**

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+10	16,986.4	8,493.2
+9	15,287.8	7,643.9
+8	13,589.1	6,794.6
+7	11,890.5	5,945.2
+6	10,191.8	5,095.9
+5	8,493.2	4,246.6
+4	6,794.6	3,397.3
+3	5,095.9	2,548.0
+2	3,397.3	1,698.6
+1	1,698.6	849.3
0	0.0	0.0
-1	(2,461.7)	(849.3)
-2	(4,923.3)	(1,698.6)
-3	(7,385.0)	(2,548.0)
-4	(9,846.6)	(3,397.3)
-5	(12,308.3)	(4,246.6)
-6	(14,769.9)	(5,095.9)
-7	(17,231.6)	(5,945.2)
-8	(19,693.2)	(6,794.6)
-9	(22,154.9)	(7,643.9)
-10	(24,616.6)	(8,493.2)



**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS - ACTUAL
JANUARY 2017 - DECEMBER 2017**

Line 1	Beginning of period balance of common equity:		\$	2,416,735,164	
	End of month common equity:				
Line 2	Month of January	2017	\$	2,431,921,407	
Line 3	Month of February	2017	\$	2,407,197,158	
Line 4	Month of March	2017	\$	2,422,735,605	
Line 5	Month of April	2017	\$	2,443,381,400	
Line 6	Month of May	2017	\$	2,453,047,541	
Line 7	Month of June	2017	\$	2,480,502,215	
Line 8	Month of July	2017	\$	2,513,011,602	
Line 9	Month of August	2017	\$	2,518,728,068	
Line 10	Month of September	2017	\$	2,544,059,096	
Line 11	Month of October	2017	\$	2,571,690,395	
Line 12	Month of November	2017	\$	2,571,768,808	
Line 13	Month of December	2017	\$	2,586,157,995	
Line 14	(Summation of line 1 through line 13 divided by 13)		\$	2,489,302,804	
Line 15	25 Basis points			0.0025	
Line 16	Revenue Expansion Factor			61.27%	
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)		\$	10,157,600	
Line 18	Jurisdictional Sales			19,190,368	MWH
Line 19	Total Sales			19,192,253	MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)			99.99%	
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)		\$	10,156,603	
Line 22	Incentive Cap (50% of projected fuel savings at 10 GPIF-Point level from Sheet No. 3.515)		\$	8,493,208	
Line 23	Maximum Allowed GPIF Reward (At 10 GPIF-Point Level; the lesser of line 21 and line 22)		\$	8,493,208	

**TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS - ACTUAL
JANUARY 2017 - DECEMBER 2017**

<u>PLANT / UNIT</u>	<u>12 MONTH ADJ. ACTUAL PERFORMANCE</u>		<u>WEIGHTING FACTOR %</u>	<u>UNIT POINTS</u>	<u>WEIGHTED UNIT POINTS</u>
BIG BEND 1	67.5%	EAF	7.08%	-10.000	-0.708
BIG BEND 2	58.8%	EAF	9.32%	-10.000	-0.932
BIG BEND 3	40.3%	EAF	5.94%	-10.000	-0.594
BIG BEND 4	64.7%	EAF	8.38%	-10.000	-0.838
POLK 1	87.6%	EAF	4.59%	10.000	0.459
BAYSIDE 1	79.7%	EAF	2.94%	10.000	0.294
BAYSIDE 2	75.9%	EAF	0.67%	-0.510	-0.003
BIG BEND 1	10,725	ANOHR	9.88%	0.000	0.000
BIG BEND 2	10,859	ANOHR	13.51%	-6.417	-0.867
BIG BEND 3	10,829	ANOHR	6.69%	-8.789	-0.588
BIG BEND 4	10,697	ANOHR	7.71%	-10.000	-0.771
POLK 1	10,003	ANOHR	7.51%	0.000	0.000
BAYSIDE 1	7,414	ANOHR	5.80%	0.000	0.000
BAYSIDE 2	7,687	ANOHR	10.00%	-10.000	-1.000
			100.00%		-5.548

GPIF PENALTY \$ (4,711,929)

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY

EQUIVALENT AVAILABILITY (%)

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>EAF TARGET (%)</u>	<u>EAF MAX. (%)</u>	<u>RANGE MIN. (%)</u>	<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>	<u>EAF ADJUSTED ACTUAL (%)</u>	<u>EST. FUEL SAVINGS/ LOSS (\$000)</u>
BIG BEND 1	7.08%	80.52	83.4	74.7	1,202.8	(2,645.5)	67.5%	(2,645.5)
BIG BEND 2	9.32%	69.58	74.7	59.4	1,583.0	(2,015.7)	58.8%	(2,015.7)
BIG BEND 3	5.94%	61.42	65.8	52.6	1,008.9	(2,918.2)	40.3%	(2,918.2)
BIG BEND 4	8.38%	79.08	82.3	72.7	1,422.8	(2,981.1)	64.7%	(2,981.1)
POLK 1	4.59%	82.10	84.6	77.2	779.9	(1,476.4)	87.6%	779.9
BAYSIDE 1	2.94%	75.31	77.5	71.0	498.6	(1,194.0)	79.7%	498.6
BAYSIDE 2	0.67%	76.09	78.0	72.4	113.7	(1,008.8)	75.9%	(51.4)
GPIF SYSTEM	38.91%				6,609.7	(14,239.8)		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>ANOHR (Btu/kwh)</u>	<u>TARGET NOF (%)</u>	<u>ANOHR TARGET RANGE</u>		<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>	<u>ACTUAL ADJUSTED ANOHR</u>	<u>EST. FUEL SAVINGS/ LOSS (\$000)</u>
				<u>MIN.</u>	<u>MAX.</u>				
BIG BEND 1	9.88%	10,698	87.7	10,409	10,987	1,677.5	(1,677.5)	10,725	0.0
BIG BEND 2	13.51%	10,545	86.9	10,098	10,992	2,294.1	(2,294.1)	10,859	(1,472.2)
BIG BEND 3	6.69%	10,588	84.3	10,324	10,852	1,136.4	(1,136.4)	10,829	(998.8)
BIG BEND 4	7.71%	10,447	82.0	10,243	10,652	1,309.3	(1,309.3)	10,697	(1,309.3)
POLK 1	7.51%	10,048	97.3	9,528	10,568	1,275.5	(1,275.5)	10,003	0.0
BAYSIDE 1	5.80%	7,357	52.7	7,279	7,435	985.1	(985.1)	7,414	0.0
BAYSIDE 2	10.00%	7,526	32.6	7,388	7,665	1,698.7	(1,698.7)	7,687	(1,698.7)
GPIF SYSTEM	61.09%					10,376.8	(10,376.8)		

**TAMPA ELECTRIC COMPANY
UNIT PERFORMANCE DATA - ACTUAL
JANUARY 2017 - DECEMBER 2017**

<u>PLANT / UNIT</u>	<u>ACTUAL EAF (%)</u>	<u>ADJUSTMENTS (1) TO EAF (%)</u>	<u>EAF ADJUSTED ACTUAL (%)</u>
BIG BEND 1	71.1	-3.6	67.5
BIG BEND 2	58.3	0.5	58.8
BIG BEND 3	49.8	-9.5	40.3
BIG BEND 4	69.3	-4.6	64.7
POLK 1	90.5	-2.9	87.6
BAYSIDE 1	86.5	-6.8	79.7
BAYSIDE 2	85.5	-9.6	75.9

<u>PLANT / UNIT</u>	<u>ACTUAL ANOHR (Btu/kwh)</u>	<u>ADJUSTMENTS (2) TO ANOHR (Btu/kwh)</u>	<u>ANOHR ADJUSTED ACTUAL (Btu/kwh)</u>
BIG BEND 1	11,332	-607	10,725
BIG BEND 2	10,987	-128	10,859
BIG BEND 3	10,942	-113	10,829
BIG BEND 4	10,725	-28	10,697
POLK 1	10,002	1	10,003
BAYSIDE 1	7,420	-6	7,414
BAYSIDE 2	7,637	50	7,687

(1) Documentation of adjustments to Actual EAF on pages 7 - 13

(2) Documentation of adjustments to Actual ANOHR on pages 14 - 20

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 1
JANUARY 2017 - DECEMBER 2017**

WEIGHTING FACTOR = 7.08%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,760.0	8,760.0	8,760.0
EAF	80.5	71.1	67.5
POH	576.0	144.0	576.0
FOH + EFOH	900.3	1,885.9	1,791.3
MOH + EMOH	229.8	498.4	473.4
POF	6.6	1.6	6.6
EFOF	10.3	21.5	20.4
EMOF	2.6	5.7	5.4
	-10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 576}{8760 - 144} \times (1885.9 + 498.4) = 2,264.8$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 6.6 - \frac{2,264.8}{8,760.0} \times 100 = 67.5$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 2
JANUARY 2017 - DECEMBER 2017**

WEIGHTING FACTOR = 9.32%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,760.0	8,760.0	8,760.0
EAF	69.6	58.3	58.8
POH	576.0	650.7	576.0
FOH + EFOH	1,824.9	2,691.9	2,716.7
MOH + EMOH	264.2	313.5	316.4
POF	6.6	7.4	6.6
EFOF	20.8	30.7	31.0
EMOF	3.0	3.6	3.6
	-10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 576}{8760 - 650.7} \times (2691.9 + 313.5) = 3,033.1$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 6.6 - \frac{3,033.1}{8,760.0} \times 100 = 58.8$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 3
JANUARY 2017 - DECEMBER 2017

WEIGHTING FACTOR = 5.94%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,760.0	8,760.0	8,760.0
EAF	61.4	49.8	40.3
POH	1,920.0	309.5	1,920.0
FOH + EFOH	1,345.7	3,943.0	3,191.5
MOH + EMOH	114.2	144.8	117.2
POF	21.9	3.5	21.9
EFOF	15.4	45.0	36.4
EMOF	1.3	1.7	1.3
	-10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 1920}{8760 - 309.5} \times (3943 + 144.8) = 3,308.7$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 21.9 - \frac{3,308.7}{8,760.0} \times 100 = 40.3$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 4
JANUARY 2017 - DECEMBER 2017

WEIGHTING FACTOR = 8.38%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,760.0	8,760.0	8,760.0
EAF	79.1	69.3	64.7
POH	576.0	0.0	576.0
FOH + EFOH	914.8	1,546.4	1,444.7
MOH + EMOH	341.4	1,144.2	1,069.0
POF	6.6	0.0	6.6
EFOF	10.4	17.7	16.5
EMOF	3.9	13.1	12.2
	-10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 576}{8760 - 0} \times (1546.4 + 1144.2) = 2,513.7$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 6.6 - \frac{2,513.7}{8,760.0} \times 100 = 64.7$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
POLK UNIT NO. 1
JANUARY 2017 - DECEMBER 2017**

WEIGHTING FACTOR = 4.59%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,760.0	8,760.0	8,760.0
EAF	82.1	90.5	87.6
POH	648.0	381.6	648.0
FOH + EFOH	761.9	240.6	232.9
MOH + EMOH	158.0	209.7	203.0
POF	7.4	4.4	7.4
EFOF	8.7	2.7	2.7
EMOF	1.8	2.4	2.3
	10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 648}{8760 - 381.6} \times (240.6 + 209.7) = 436.0$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 7.4 - \frac{436.0}{8,760.0} \times 100 = 87.6$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BAYSIDE UNIT NO. 1
JANUARY 2017 - DECEMBER 2017**

WEIGHTING FACTOR = 2.94%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,760.0	8,760.0	8,760.0
EAF	75.3	86.5	79.7
POH	1,631.0	1,015.7	1,631.0
FOH + EFOH	226.2	105.3	96.9
MOH + EMOH	305.4	59.1	54.4
POF	18.6	11.6	18.6
EFOF	2.6	1.2	1.1
EMOF	3.5	0.7	0.6
	10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 1631}{8760 - 1015.7} \times (105.3 + 59.1) = 151.3$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 18.6 - \frac{151.3}{8,760.0} \times 100 = 79.7$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BAYSIDE UNIT NO. 2
JANUARY 2017 - DECEMBER 2017**

WEIGHTING FACTOR = 0.67%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,760.0	8,760.0	8,760.0
EAF	76.1	85.5	75.9
POH	1,705.0	820.8	1,705.0
FOH + EFOH	134.6	245.8	218.4
MOH + EMOH	255.0	204.7	181.9
POF	19.5	9.4	19.5
EFOF	1.5	2.8	2.5
EMOF	2.9	2.3	2.1
	-0.510	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 1705}{8760 - 820.8} \times (245.8 + 204.7) = 400.3$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 19.5 - \frac{400.3}{8,760.0} \times 100 = 75.9$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 1
JANUARY 2017 - DECEMBER 2017**

WEIGHTING FACTOR = 9.88%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10,698	11,332
NET GENERATION (GWH)	1,917.6	984.2
OPERATING BTU (10 ⁹)	20,237.6	11,152.9
NET OUTPUT FACTOR	87.7	49.4

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-15.84) + 12087.23 = ANOHR$

$$49.4 * (-15.84) + 12087.23 = 11,305$$

$$11,332 - 11,305 = 27$$

$$10,698 + 27 = 10,725 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 2
JANUARY 2017 - DECEMBER 2017**

WEIGHTING FACTOR = 13.51%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10,545	10,987
NET GENERATION (GWH)	2,078.8	1,127.0
OPERATING BTU (10 ⁹)	21,420.0	12,382.4
NET OUTPUT FACTOR	86.9	65.5

-6.417 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-5.96) + 11063.44 = ANOHR$

$$65.5 * (-5.96) + 11063.44 = 10,673$$

$$10,987 - 10,673 = 314$$

$$10,545 + 314 = 10,859 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 3
JANUARY 2017 - DECEMBER 2017**

WEIGHTING FACTOR = 6.69%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10,588	10,942
NET GENERATION (GWH)	1,822.1	1,167.7
OPERATING BTU (10 ⁹)	18,883.9	12,776.8
NET OUTPUT FACTOR	84.3	67.8

-8.789 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-6.88) + 11167.89 = \text{ANOHR}$

$$67.8 * (-6.88) + 11167.89 = 10,701$$

$$10,942 - 10,701 = 241$$

$$10,588 + 241 = 10,829 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 4
JANUARY 2017 - DECEMBER 2017**

WEIGHTING FACTOR = 7.71%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10,447	10,725
NET GENERATION (GWH)	1,946.6	2,243.7
OPERATING BTU (10 ⁹)	20,322.0	24,062.9
NET OUTPUT FACTOR	82.0	76.3

-10.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-4.98) + 10855.76 = ANOHR$

$76.3 * (-4.98) + 10855.76 = 10,476$

$10,725 - 10,476 = 249$

$10,447 + 249 = 10,697$ ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
 ADJUSTMENTS TO HEAT RATE
 BAYSIDE UNIT NO. 1
 JANUARY 2017 - DECEMBER 2017**

WEIGHTING FACTOR = 5.80%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	7,357	7,420
NET GENERATION (GWH)	2,208.8	2,712.9
OPERATING BTU (10 ⁹)	16,625.0	20,129.8
NET OUTPUT FACTOR	52.7	49.8

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION:	$\text{NOF} * (-2.2) + 7472.74$	=	ANOHR	
	$49.8 * (-2.2) + 7472.74$	=	7,363	
	7,420	-	7,363	= 57
	7,357	+	57	= 7,414

← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE
 NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BAYSIDE UNIT NO. 2
JANUARY 2017 - DECEMBER 2017**

WEIGHTING FACTOR = 10.00%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7,526	7,637
NET GENERATION (GWH)	2,103.8	3,146.5
OPERATING BTU (10 ⁹)	16,852.3	24,031.5
NET OUTPUT FACTOR	32.6	41.9

-10.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-5.39) + 7702.18 = ANOHR$

$$41.9 * (-5.39) + 7702.18 = 7,476$$

$$7,637 - 7,476 = 161$$

$$7,526 + 161 = 7,687 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ACTUAL)
GPIF UNITS
JANUARY 2017 - DECEMBER 2017**

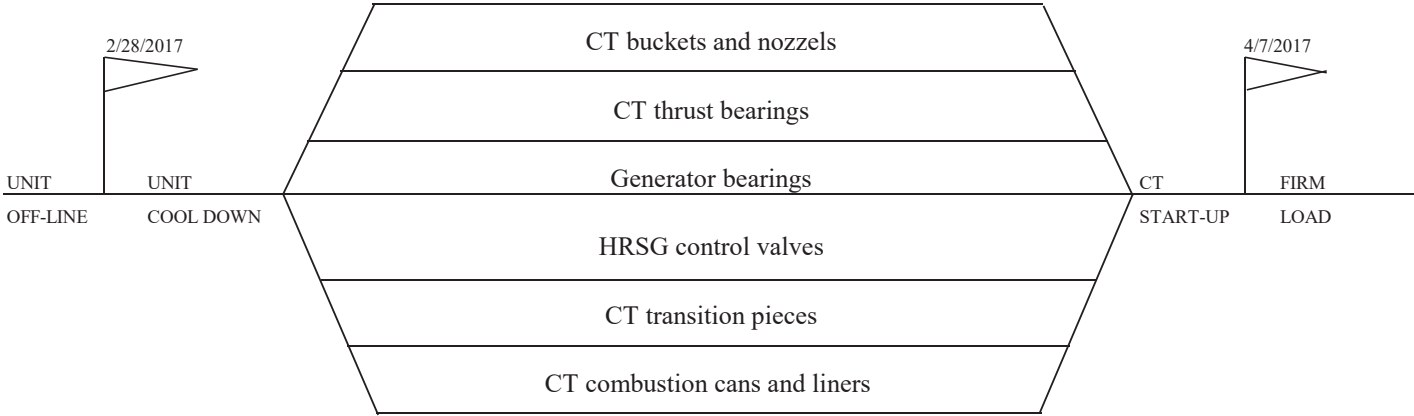
PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DESCRIPTION
BIG BEND 1	Nov 17 - Nov 23	Fuel System Cleanup and FGD/SCR work
BIG BEND 2	Apr 20 - May 04 Nov 09 - Nov 23	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
BIG BEND 3	Feb 23 - Mar 08	Fuel System Cleanup and FGD/SCR work
BIG BEND 4	Dec 13 - Dec 29	Fuel System Cleanup and FGD/SCR work
POLK 1	Sep 04 - Sep 07 Sep 18 - Oct 01	Started planned outage work then came back online from 9/8-9/17 due to Hurricane Irma Resumed planned outage work
+ BAYSIDE 1	Feb 28 - Apr 07 Dec 11 - Dec 15	CT buckets and nozzels, CT thrust bearings, Generator bearings, HRSG control valves, CT transition pieces, CT combustion cans and liners Fuel System Cleanup
BAYSIDE 2	Jan 22 - Feb 14 Oct 25 - Nov 07	Fuel System Cleanup Fuel System Cleanup

+ 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 2017 - DECEMBER 2017**

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TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2017 - DECEMBER 2017



TAMPA ELECTRIC COMPANY
BAYSIDE UNIT 1
PLANNED OUTAGE 2017
ACTUAL CPM

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2017 - DECEMBER 2017

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,202.8	83.4	+10	1,677.5	10,409
+9	1,082.5	83.1	+9	1,509.8	10,430
+8	962.2	82.9	+8	1,342.0	10,451
+7	841.9	82.6	+7	1,174.3	10,473
+6	721.7	82.3	+6	1,006.5	10,494
+5	601.4	82.0	+5	838.8	10,516
+4	481.1	81.7	+4	671.0	10,537
+3	360.8	81.4	+3	503.3	10,559
+2	240.6	81.1	+2	335.5	10,580
+1	120.3	80.8	+1	167.8	10,601
					10,623
0	0.0	80.5	0	0.0	10,698
					10,773
-1	(264.6)	79.9	-1	(167.8)	10,794
-2	(529.1)	79.4	-2	(335.5)	10,816
-3	(793.7)	78.8	-3	(503.3)	10,837
-4	(1,058.2)	78.2	-4	(671.0)	10,859
-5	(1,322.8)	77.6	-5	(838.8)	10,880
-6	(1,587.3)	77.0	-6	(1,006.5)	10,901
-7	(1,851.9)	76.5	-7	(1,174.3)	10,923
-8	(2,116.4)	75.9	-8	(1,342.0)	10,944
-9	(2,381.0)	75.3	-9	(1,509.8)	10,966
-10	(2,645.5)	74.7	-10	(1,677.5)	10,987

AHR POINTS
0.000

Adjusted ANOHR
10.725

EAF POINTS
-10.000

Adjusted EAF
67.5

Weighting Factor =

7.08%

Weighting Factor =

9.88%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2017 - DECEMBER 2017

BIG BEND 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,583.0	74.7	+10	2,294.1	10,098
+9	1,424.7	74.2	+9	2,064.7	10,135
+8	1,266.4	73.7	+8	1,835.3	10,172
+7	1,108.1	73.1	+7	1,605.9	10,209
+6	949.8	72.6	+6	1,376.5	10,247
+5	791.5	72.1	+5	1,147.1	10,284
+4	633.2	71.6	+4	917.7	10,321
+3	474.9	71.1	+3	688.2	10,358
+2	316.6	70.6	+2	458.8	10,396
+1	158.3	70.1	+1	229.4	10,433
0	0.0	69.6	0	0.0	10,470
-1	(201.6)	68.6	-1	(229.4)	10,545
-2	(403.1)	67.5	-2	(458.8)	10,620
-3	(604.7)	66.5	-3	(688.2)	10,657
-4	(806.3)	65.5	-4	(917.7)	10,695
-5	(1,007.9)	64.5	-5	(1,147.1)	10,732
-6	(1,209.4)	63.5	-6	(1,376.5)	10,769
-7	(1,411.0)	62.4	-7	(1,605.9)	10,806
-8	(1,612.6)	61.4	-8	(1,835.3)	10,843
-9	(1,814.1)	60.4	-9	(2,064.7)	10,881
-10	(2,015.7)	59.4	-10	(2,294.1)	10,918

← **EA
POINTS
-10.000**

**Adjusted
EAF
58.8** →

← **AHR
POINTS
-6.417**

**Adjusted
ANOHR
10,859** →

Weighting Factor =

9.32%

Weighting Factor =

13.51%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2017 - DECEMBER 2017

BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,008.9	65.8	+10	1,136.4	10,324
+9	908.0	65.4	+9	1,022.7	10,343
+8	807.1	65.0	+8	909.1	10,361
+7	706.2	64.5	+7	795.5	10,380
+6	605.4	64.1	+6	681.8	10,399
+5	504.5	63.6	+5	568.2	10,418
+4	403.6	63.2	+4	454.6	10,437
+3	302.7	62.7	+3	340.9	10,456
+2	201.8	62.3	+2	227.3	10,475
+1	100.9	61.9	+1	113.6	10,494
0	0.0	61.4	0	0.0	10,513
-1	(291.8)	60.5	-1	(113.6)	10,588
-2	(583.6)	59.6	-2	(227.3)	10,663
-3	(875.5)	58.8	-3	(340.9)	10,682
-4	(1,167.3)	57.9	-4	(454.6)	10,701
-5	(1,459.1)	57.0	-5	(568.2)	10,720
-6	(1,750.9)	56.1	-6	(681.8)	10,738
-7	(2,042.7)	55.2	-7	(795.5)	10,757
-8	(2,334.5)	54.3	-8	(909.1)	10,776
-9	(2,626.4)	53.4	-9	(1,022.7)	10,795
-10	(2,918.2)	52.6	-10	(1,136.4)	10,814
					10,833
					10,852

← **EA
POINTS
-10.000**

**Adjusted
EAF
40.3** →

← **AHR
POINTS
-8.789**

**Adjusted
ANOHR
10,829** →

Weighting Factor =

5.94%

Weighting Factor =

6.69%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2017 - DECEMBER 2017

BIG BEND 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,422.8	82.3	+10	1,309.3	10,243
+9	1,280.5	82.0	+9	1,178.4	10,256
+8	1,138.2	81.6	+8	1,047.5	10,269
+7	995.9	81.3	+7	916.5	10,282
+6	853.7	81.0	+6	785.6	10,295
+5	711.4	80.7	+5	654.7	10,308
+4	569.1	80.4	+4	523.7	10,320
+3	426.8	80.0	+3	392.8	10,333
+2	284.6	79.7	+2	261.9	10,346
+1	142.3	79.4	+1	130.9	10,359
0	0.0	79.1	0	0.0	10,372
-1	(298.1)	78.4	-1	(130.9)	10,447
-2	(596.2)	77.8	-2	(261.9)	10,522
-3	(894.3)	77.2	-3	(392.8)	10,535
-4	(1,192.5)	76.5	-4	(523.7)	10,548
-5	(1,490.6)	75.9	-5	(654.7)	10,561
-6	(1,788.7)	75.2	-6	(785.6)	10,574
-7	(2,086.8)	74.6	-7	(916.5)	10,587
-8	(2,384.9)	74.0	-8	(1,047.5)	10,600
-9	(2,683.0)	73.3	-9	(1,178.4)	10,613
-10	(2,981.1)	72.7	-10	(1,309.3)	10,626

← **EAF POINTS -10.000**

Adjusted EAF 64.7 →

← **AHR POINTS -10.000**

Adjusted ANOHR 10,697 →

Weighting Factor =

8.38%

Weighting Factor =

7.71%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2017 - DECEMBER 2017

POLK 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	779.9	84.6	+10	1,275.5	9,528
+9	701.9	84.3	+9	1,148.0	9,572
+8	623.9	84.1	+8	1,020.4	9,617
+7	545.9	83.8	+7	892.9	9,661
+6	467.9	83.6	+6	765.3	9,706
+5	389.9	83.3	+5	637.8	9,750
+4	311.9	83.1	+4	510.2	9,795
+3	234.0	82.8	+3	382.7	9,839
+2	156.0	82.6	+2	255.1	9,884
+1	78.0	82.3	+1	127.6	9,928
0	0.0	82.1	0	0.0	9,973
-1	(147.6)	81.6	-1	(127.6)	10,048
-2	(295.3)	81.1	-2	(255.1)	10,123
-3	(442.9)	80.6	-3	(382.7)	10,167
-4	(590.5)	80.1	-4	(510.2)	10,212
-5	(738.2)	79.6	-5	(637.8)	10,256
-6	(885.8)	79.1	-6	(765.3)	10,301
-7	(1,033.5)	78.6	-7	(892.9)	10,345
-8	(1,181.1)	78.1	-8	(1,020.4)	10,390
-9	(1,328.7)	77.7	-9	(1,148.0)	10,434
-10	(1,476.4)	77.2	-10	(1,275.5)	10,479
					10,523
					10,568

Weighting Factor =

4.59%

Weighting Factor =

7.51%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2017 - DECEMBER 2017

BAYSIDE 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	498.6	77.5	+10	985.1	7,279
+9	448.8	77.2	+9	886.6	7,279
+8	398.9	77.0	+8	788.1	7,279
+7	349.0	76.8	+7	689.6	7,280
+6	299.2	76.6	+6	591.1	7,280
+5	249.3	76.4	+5	492.6	7,280
+4	199.4	76.2	+4	394.1	7,281
+3	149.6	76.0	+3	295.5	7,281
+2	99.7	75.7	+2	197.0	7,281
+1	49.9	75.5	+1	98.5	7,282
0	0.0	75.3	0	0.0	7,357
-1	(119.4)	74.9	-1	(98.5)	7,432
-2	(238.8)	74.5	-2	(197.0)	7,433
-3	(358.2)	74.0	-3	(295.5)	7,433
-4	(477.6)	73.6	-4	(394.1)	7,433
-5	(597.0)	73.2	-5	(492.6)	7,434
-6	(716.4)	72.7	-6	(591.1)	7,434
-7	(835.8)	72.3	-7	(689.6)	7,434
-8	(955.2)	71.9	-8	(788.1)	7,435
-9	(1,074.6)	71.4	-9	(886.6)	7,435
-10	(1,194.0)	71.0	-10	(985.1)	7,435

Weighting Factor =

2.94%

Weighting Factor =

5.80%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2017 - DECEMBER 2017

BAYSIDE 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	113.7	78.0	+10	1,698.7	7,388
+9	102.3	77.8	+9	1,528.8	7,394
+8	90.9	77.6	+8	1,359.0	7,400
+7	79.6	77.4	+7	1,189.1	7,407
+6	68.2	77.2	+6	1,019.2	7,413
+5	56.8	77.0	+5	849.4	7,420
+4	45.5	76.8	+4	679.5	7,426
+3	34.1	76.6	+3	509.6	7,432
+2	22.7	76.5	+2	339.7	7,439
+1	11.4	76.3	+1	169.9	7,445
					7,451
0	0.0	76.1	0	0.0	7,526
	← EAF POINTS -0.510	Adjusted EAF 75.9 →			7,601
-1	(100.9)	75.7	-1	(169.9)	7,608
-2	(201.8)	75.3	-2	(339.7)	7,614
-3	(302.7)	75.0	-3	(509.6)	7,621
-4	(403.5)	74.6	-4	(679.5)	7,627
-5	(504.4)	74.2	-5	(849.4)	7,633
-6	(605.3)	73.9	-6	(1,019.2)	7,640
-7	(706.2)	73.5	-7	(1,189.1)	7,646
-8	(807.1)	73.1	-8	(1,359.0)	7,652
-9	(908.0)	72.7	-9	(1,528.8)	7,659
			AHR POINTS -10.000	Adjusted ANOHR 7,687	
-10	(1,008.8)	72.4	-10	(1,698.7)	7,665

Weighting Factor =

0.67%

Weighting Factor =

10.00%

TAMPA ELECTRIC COMPANY
COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 17 - DEC 17			ACTUAL PERFORMANCE JAN 17 - DEC 17		
			POF	EUOF	EUOR	POF	EUOF	EUOR
BIG BEND 1	7.08%	18.2%	6.6	12.9	13.8	1.6	27.2	27.7
BIG BEND 2	9.32%	24.0%	6.6	23.8	25.5	7.4	34.3	37.1
BIG BEND 3	5.94%	15.3%	21.9	16.7	21.3	3.5	46.7	48.4
BIG BEND 4	8.38%	21.5%	6.6	14.3	15.3	0.0	30.7	30.7
POLK 1	4.59%	11.8%	7.4	10.5	11.3	4.4	5.1	5.4
BAYSIDE 1	2.94%	7.5%	18.6	10.5	12.9	4.4	5.1	5.4
BAYSIDE 2	0.67%	1.7%	19.5	10.5	13.0	4.4	5.1	5.4
GPIF SYSTEM	38.9%	100.0%	10.1	15.9	17.7	3.5	28.0	29.0
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)			<u>74.0</u>			<u>68.5</u>		
			3 PERIOD AVERAGE			3 PERIOD AVERAGE		
			<u>POF EUOF EUOR</u>			<u>EA</u>		
			9.8 17.9 19.7			72.3		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET	ADJUSTED
			HEAT RATE JAN 17 - DEC 17	ACTUAL HEAT RATE JAN 17 - DEC 17
BIG BEND 1	9.88%	16.2%	10,698	10,725
BIG BEND 2	13.51%	22.1%	10,545	10,859
BIG BEND 3	6.69%	11.0%	10,588	10,829
BIG BEND 4	7.71%	12.6%	10,447	10,697
POLK 1	7.51%	12.3%	10,048	10,003
BAYSIDE 1	5.80%	9.5%	7,357	7,414
BAYSIDE 2	10.00%	16.4%	7,526	7,687
GPIF SYSTEM	61.1%	100.0%		
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)			<u>9,704</u>	<u>9,862</u>

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
JANUARY 2017 - DECEMBER 2017**

Points are calculated according to the formula:

$$GPIP = \sum_{i=1}^n [a_i(EAP_i) + e_i(AHRP_i)]$$

Where:

GPIP = Generating performance incentive points

a_i = Percentage of total system fuel cost reduction attributed to maximum reasonably attainable equivalent availability of unit i during the period

e_i = Percentage of total system fuel cost reduction attributed to minimum reasonably attainable average heat rate of unit i during the period

EAP_i = Equivalent availability points awarded/deducted for unit i

AHRP_i = Average heat rate points awarded/deducted for unit i

Weighting factors and point values are listed on page 4.

<i>GPIP</i> =	7.08%	*	(BB 1 EAP)	+	9.32%	*	(BB 2 EAP)	+	5.94%	*	(BB 3 EAP)	
	+	8.38%	*	(BB 4 EAP)	+	4.59%	*	(PK 1 EAP)	+	2.94%	*	(BAY 1 EAP)
	+	0.67%	*	(BAY 2 EAP)	+	9.88%	*	(BB 1 AHRP)	+	13.51%	*	(BB 2 AHRP)
	+	6.69%	*	(BB 3 AHRP)	+	7.71%	*	(BB 4 AHRP)	+	7.51%	*	(PK 1 AHRP)
	+	5.80%	*	(BAY 1 AHRP)	+	10.00%	*	(BAY 2 AHRP)				

<i>GPIP</i> =	7.08%	*	-10.000	+	9.32%	*	-10.000	+	5.94%	*	-10.000	
	+	8.38%	*	-10.000	+	4.59%	*	10.000	+	2.94%	*	10.000
	+	0.67%	*	-0.510	+	9.88%	*	0.000	+	13.51%	*	-6.417
	+	6.69%	*	-8.789	+	7.71%	*	-10.000	+	7.51%	*	0.000
	+	5.80%	*	0.000	+	10.00%	*	-10.000				

<i>GPIP</i> =		-0.708		+		-0.932		+		-0.594
	+	-0.838		+		0.459		+		0.294
	+	-0.003		+		0.000		+		-0.867
	+	-0.588		+		-0.771		+		0.000
	+	0.000		+		-1.000				

GPIP = -5.548 POINTS

REWARD/PENALTY dollar amounts of the Generating Performance Incentive Factor (GPIF) are determined directly from the table for the corresponding Generating Performance Points (GPIP) on page 2.

GPIF PENALTY = (\$4,711,929)

EXHIBIT NO. BSB-1
TAMPA ELECTRIC COMPANY
DOCKET NO. 20180001-EI
GPIF 2017 FINAL TRUE-UP
DOCUMENT NO. 2

EXHIBIT TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCKET NO. 20180001-EI

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2017 - DECEMBER 2017
TRUE-UP

DOCUMENT NO. 2
ACTUAL UNIT PERFORMANCE DATA

ORIGINAL SHEET NO. 8.401.17A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2017 - DECEMBER 2017

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 17	FEB 17	MAR 17	APR 17	MAY 17	JUN 17	JUL 17	AUG 17	SEP 17	OCT 17	NOV 17	DEC 17	2017
1. EAF (%)	99.1	99.5	51.5	0.0	53.4	65.4	72.8	100.0	94.8	86.8	45.3	85.3	71.1
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	739.1	672.0	383.1	0.0	397.8	313.2	542.0	744.0	635.1	388.5	0.0	314.4	5,129.3
4. RSH	0.0	0.0	0.0	0.0	0.0	164.8	0.0	0.0	47.3	257.5	326.5	340.4	1,136.5
5. UH	4.9	0.0	359.9	720.0	346.2	242.0	202.0	0.0	37.6	98.0	394.5	89.2	2,494.2
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144.0	0.0	144.0
7. FOH	4.9	0.0	359.9	720.0	346.2	83.8	202.0	0.0	37.6	98.0	0.0	1.6	1,853.9
8. MOH	0.0	0.0	0.0	0.0	0.0	158.2	0.0	0.0	0.0	0.0	250.5	87.6	496.3
9. PFOH	12.2	12.4	0.0	0.0	1.6	14.0	0.0	0.0	0.0	0.0	0.0	38.3	78.5
10. LR PF (MW)	47.0	67.5	0.0	0.0	197.2	197.2	0.0	0.0	0.0	0.0	0.0	206.9	158.1
11. PMOH	0.0	2.1	0.9	0.0	0.3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	3.7
12. LR PM (MW)	47.0	228.5	218.4	0.0	75.1	0.0	272.3	0.0	0.0	0.0	0.0	0.0	221.7
13. NSC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
14. OPR BTU(GBTU)	2,174.5	1,909.8	1,030.1	0.0	1,247.0	807.2	759.5	1,200.2	976.1	539.3	0.0	509.3	11,152.9
15. NET GEN (MWH)	202,470	167,343	95,573	0	115,639	71,182	68,839	93,182	79,757	44,560	0	45,670	984,215
16. ANOHR (BTU/KWH)	10,739.6	11,412.3	10,777.8	0.0	10,783.4	11,340.3	11,033.2	12,880.1	12,238.9	12,102.7	0.0	11,151.7	11,332.0
17. NOF (%)	69.4	63.0	63.2	0.0	75.5	59.0	33.0	32.5	32.6	29.8	0.0	36.8	49.4
18. NPC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
19. ANOHR EQUATION	ANOHR = NOF (-15.843) + 12,087												

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ORIGINAL SHEET NO. 8.401.17A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2017 - DECEMBER 2017

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 17	FEB 17	MAR 17	APR 17	MAY 17	JUN 17	JUL 17	AUG 17	SEP 17	OCT 17	NOV 17	DEC 17	2017
1. EAF (%)	75.0	77.1	55.6	54.1	31.8	95.4	0.0	23.2	63.1	80.1	56.2	91.0	58.3
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	583.1	583.0	23.3	415.3	269.5	688.4	0.0	172.3	432.8	595.9	214.3	455.6	4,433.5
4. RSH	24.5	0.0	389.7	0.0	0.0	0.0	0.0	0.0	21.7	0.0	190.7	288.4	915.0
5. UH	136.4	89.0	330.0	304.7	474.5	31.6	744.0	571.7	265.5	148.1	316.0	0.0	3,411.5
6. POH	0.0	0.0	0.0	256.7	78.0	0.0	0.0	0.0	0.0	0.0	316.0	0.0	650.7
7. FOH	73.4	89.0	330.0	48.0	396.5	31.6	744.0	539.9	54.3	142.2	0.0	0.0	2,449.0
8. MOH	63.0	0.0	0.0	0.0	0.0	0.0	0.0	31.8	211.1	5.9	0.0	0.0	311.8
9. PFOH	293.7	572.9	0.0	406.3	88.2	5.5	0.0	0.0	0.0	0.0	0.0	135.4	1,502.0
10. LR PF (MW)	66.3	44.4	0.0	24.6	144.1	56.3	0.0	0.0	0.0	0.0	0.0	195.0	62.8
11. PMOH	0.3	1.5	0.0	0.4	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	3.3
12. LR PM (MW)	206.9	200.5	0.0	189.7	0.0	203.7	0.0	0.0	0.0	0.0	0.0	0.0	201.0
13. NSC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
14. OPR BTU(GBTU)	1,868.7	1,687.6	39.4	1,309.1	856.2	2,329.5	0.0	243.4	1,014.3	2,097.5	292.1	644.6	12,382.4
15. NET GEN (MWH)	170,150	152,752	3,410	125,802	75,289	216,749	0	23,266	85,352	191,070	27,055	56,149	1,127,044
16. ANOHR (BTU/KWH)	10,982.5	11,048.1	11,564.4	10,406.0	11,372.3	10,747.3	0.0	10,463.1	11,883.6	10,977.7	10,798.0	11,479.3	10,987.0
17. NOF (%)	73.9	66.3	37.0	78.7	72.6	81.8	0.0	35.1	51.2	83.3	32.8	31.2	65.5
18. NPC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
19. ANOHR EQUATION	ANOHR = NOF (-5.963) + 11,063												

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EXHIBIT NO. _____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 20180001-EI
DOCUMENT NO. 2
PAGE 2 OF 7

ORIGINAL SHEET NO. 8.401.17A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2017 - DECEMBER 2017

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 17	FEB 17	MAR 17	APR 17	MAY 17	JUN 17	JUL 17	AUG 17	SEP 17	OCT 17	NOV 17	DEC 17	2017
1. EAF (%)	75.3	79.6	49.6	39.5	82.0	52.9	88.1	71.5	13.6	0.0	0.0	45.3	49.8
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	496.5	218.0	230.3	386.5	744.0	416.6	744.0	599.7	111.5	0.0	0.0	391.7	4,338.7
4. RSH	85.4	333.0	160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	578.4
5. UH	162.1	121.0	352.7	333.5	0.0	303.4	0.0	144.3	608.5	744.0	721.0	352.3	3,842.9
6. POH	0.0	121.0	188.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	309.5
7. FOH	162.1	0.0	164.2	333.5	0.0	303.4	0.0	0.0	608.5	744.0	721.0	352.3	3,389.1
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144.3	0.0	0.0	0.0	0.0	144.3
9. PFOH	222.2	218.0	104.7	276.5	600.2	404.0	744.0	571.9	111.5	0.0	0.0	165.2	3,418.0
10. LR PF (MW)	38.7	29.4	82.9	145.4	88.3	34.5	46.9	46.9	47.0	0.0	0.0	132.6	64.3
11. PMOH	0.0	0.0	0.7	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	1.6
12. LR PM (MW)	211.8	0.0	155.3	0.0	0.0	107.0	0.0	230.4	0.0	0.0	0.0	0.0	127.6
13. NSC (MW)	400.0	400.0	400.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	400.0	396.7
14. OPR BTU(GBTU)	1,586.7	558.4	654.6	975.4	1,646.6	1,419.4	2,778.1	2,007.9	315.9	0.0	0.0	833.7	12,776.8
15. NET GEN (MWH)	151,724	50,703	53,355	87,729	147,110	131,629	252,389	188,088	25,966	0	0	78,989	1,167,682
16. ANOHR BTU/KWH	10,458.0	11,013.1	12,268.1	11,118.7	11,193.3	10,783.6	11,007.2	10,675.1	12,167.1	0.0	0.0	10,554.9	10,942.0
17. NOF (%)	76.4	58.1	57.9	57.5	50.1	80.0	85.9	79.4	59.0	0.0	0.0	50.4	67.8
18. NPC (MW)	400.0	400.0	400.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	400.0	396.7
19. ANOHR EQUATION	ANOHR = NOF (-6.885) + 11,168												

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EXHIBIT NO. _____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 20180001-EI
DOCUMENT NO. 2
PAGE 3 OF 7

ORIGINAL SHEET NO. 8.401.17A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2017 - DECEMBER 2017

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 17	FEB 17	MAR 17	APR 17	MAY 17	JUN 17	JUL 17	AUG 17	SEP 17	OCT 17	NOV 17	DEC 17	2017
1. EAF (%)	59.7	85.3	78.7	80.1	93.3	84.2	81.1	16.2	31.4	94.2	88.4	40.5	69.3
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	443.6	582.3	603.5	617.2	744.0	715.1	735.8	183.7	235.4	744.0	721.0	373.9	6,699.5
4. RSH	92.4	19.9	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	143.2
5. UH	207.9	69.8	108.6	102.8	0.0	4.9	8.2	560.3	484.6	0.0	0.0	370.1	1,917.3
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	207.9	69.8	0.0	102.8	0.0	4.9	8.2	10.1	375.5	0.0	0.0	0.0	779.4
8. MOH	0.0	0.0	108.6	0.0	0.0	0.0	0.0	550.2	109.1	0.0	0.0	370.1	1,137.9
9. PFOH	409.3	121.9	601.6	374.5	449.6	683.9	704.0	183.7	176.0	732.2	721.0	354.1	5,511.8
10. LR PF (MW)	99.1	100.7	35.5	46.8	48.5	68.8	81.3	149.7	23.1	25.4	50.7	90.5	61.0
11. PMOH	0.0	2.9	1.9	1.2	0.0	3.0	2.5	0.0	0.0	0.8	0.0	0.0	12.4
12. LR PM (MW)	190.8	227.0	234.2	205.9	0.0	182.7	257.3	0.0	0.0	220.4	0.0	0.0	221.0
13. NSC (MW)	442.0	442.0	442.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	442.0	438.7
14. OPR BTU(GBTU)	1,421.8	1,988.3	1,901.4	2,252.1	2,941.5	2,553.9	2,683.4	551.7	873.5	3,108.3	2,466.9	1,320.0	24,062.9
15. NET GEN (MWH)	135,022	190,073	179,206	214,373	275,387	232,573	243,038	46,553	83,787	292,516	229,651	121,502	2,243,681
16. ANOHR BTU/KWH	10,530.4	10,460.6	10,610.2	10,505.7	10,681.2	10,981.0	11,040.9	11,851.7	10,424.7	10,626.2	10,742.1	10,864.3	10,725.0
17. NOF (%)	68.9	73.8	67.2	79.5	84.7	74.4	75.6	58.0	81.4	90.0	72.9	73.5	76.3
18. NPC (MW)	442.0	442.0	442.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	442.0	438.7
19. ANOHR EQUATION	ANOHR = NOF (-4.982) + 10,856												

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ORIGINAL SHEET NO. 8.401.17A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2017 - DECEMBER 2017

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 17	FEB 17	MAR 17	APR 17	MAY 17	JUN 17	JUL 17	AUG 17	SEP 17	OCT 17	NOV 17	DEC 17	2017
1. EAF (%)	100.0	99.3	95.3	100.0	70.9	99.8	85.2	98.8	46.4	93.1	97.6	100.0	90.5
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	744.0	667.1	708.0	720.0	527.3	718.4	633.6	735.0	204.6	526.2	703.7	744.0	7,631.9
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	129.6	166.6	0.0	0.0	296.2
5. UH	0.0	4.9	35.0	0.0	216.7	1.6	110.4	9.0	385.7	51.2	17.3	0.0	831.9
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	370.4	11.3	0.0	0.0	381.6
7. FOH	0.0	4.9	35.0	0.0	116.5	1.6	1.0	9.0	15.4	40.0	17.3	0.0	240.6
8. MOH	0.0	0.0	0.0	0.0	100.3	0.0	109.4	0.0	0.0	0.0	0.0	0.0	209.7
9. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. NSC (MW)	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
14. OPR BTU(GBTU)	1,565.4	1,450.1	1,538.4	1,710.0	1,277.8	1,495.2	1,416.4	1,583.4	374.6	734.3	1,475.8	1,676.5	16,298.1
15. NET GEN (MWH)	155,821	143,609	165,125	176,605	119,597	147,389	135,270	162,911	35,164	69,439	157,244	161,377	1,629,551
16. ANOHR BTU/KWH	10,046.0	10,097.8	9,316.6	9,682.7	10,684.5	10,144.7	10,471.0	9,719.2	10,653.5	10,575.1	9,385.3	10,389.0	10,002.0
17. NOF (%)	95.2	97.9	106.0	111.5	103.1	93.3	97.0	100.7	78.1	60.0	101.6	98.6	97.1
18. NPC (MW)	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
19. ANOHR EQUATION	ANOHR = NOF (9.523) + 9,121												

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ORIGINAL SHEET NO. 8.401.17A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2017 - DECEMBER 2017

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 UNIT 1	JAN 17	FEB 17	MAR 17	APR 17	MAY 17	JUN 17	JUL 17	AUG 17	SEP 17	OCT 17	NOV 17	DEC 17	2017
1. EAF (%)	98.0	98.9	0.0	70.0	99.3	97.5	97.5	96.9	96.8	98.8	100.0	86.0	86.5
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	744.0	462.9	0.0	507.9	744.0	718.3	744.0	744.0	701.1	739.6	721.0	626.6	7,453.4
4. RSH	0.0	204.8	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	234.4
5. UH	0.0	4.3	743.0	195.8	0.0	1.7	0.0	0.0	18.9	4.4	0.0	104.1	1,072.2
6. POH	0.0	1.3	743.0	167.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104.1	1,015.7
7. FOH	0.0	0.0	0.0	24.7	0.0	1.7	0.0	0.0	18.9	4.4	0.0	0.0	49.7
8. MOH	0.0	3.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9
9. PFOH	37.2	4.1	0.0	40.8	0.0	9.2	2.5	75.6	8.6	0.0	0.0	0.0	177.9
10. LR PF (MW)	264.0	264.0	0.0	224.6	0.0	198.1	233.7	214.7	233.7	0.0	0.0	0.0	228.7
11. PMOH	7.8	4.9	0.0	62.6	14.9	41.3	53.9	0.0	4.1	13.8	0.0	0.0	203.3
12. LR PM (MW)	264.0	264.0	0.0	79.5	233.7	233.7	233.7	0.0	233.7	233.7	0.0	53.1	188.1
13. NSC (MW)	792.0	792.0	792.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	792.0	731.3
14. OPR BTU(GBTU)	1,479.1	891.6	0.0	1,198.8	2,122.6	1,755.6	2,162.8	2,488.3	2,615.9	2,085.6	1,948.2	1,381.4	20,129.8
15. NET GEN (MWH)	197,576	119,609	-274	161,007	288,649	239,671	290,853	334,517	353,125	278,963	263,669	185,552	2,712,917
16. ANOHR (BTU/KWH)	7,486.0	7,454.7	0.0	7,445.8	7,353.6	7,325.0	7,435.9	7,438.5	7,408.0	7,476.1	7,388.7	7,444.6	7,420.0
17. NOF (%)	33.5	32.6	0.0	45.2	55.3	47.6	55.8	64.1	71.9	53.8	52.2	37.4	49.8
18. NPC (MW)	792.0	792.0	792.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	792.0	731.3
19. ANOHR EQUATION	ANOHR = NOF (-2.196) + 7,473												

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ORIGINAL SHEET NO. 8.401.17A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2017 - DECEMBER 2017

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 UNIT 2	JAN 17	FEB 17	MAR 17	APR 17	MAY 17	JUN 17	JUL 17	AUG 17	SEP 17	OCT 17	NOV 17	DEC 17	2017
1. EAF (%)	70.3	50.0	97.5	97.0	87.8	89.2	90.9	95.4	97.4	79.9	76.9	90.4	85.5
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	527.1	298.7	738.1	720.0	657.9	720.0	744.0	729.4	713.5	599.2	564.2	744.0	7,756.2
4. RSH	0.0	42.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	52.2
5. UH	216.9	331.0	4.9	0.0	86.1	0.0	0.0	14.6	6.5	144.8	146.8	0.0	951.6
6. POH	216.9	312.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144.8	146.8	0.0	820.8
7. FOH	0.0	18.7	4.9	0.0	62.2	0.0	0.0	0.0	6.5	0.0	0.0	0.0	92.3
8. MOH	0.0	0.0	0.0	0.0	23.9	0.0	0.0	14.6	0.0	0.0	0.0	0.0	38.5
9. PFOH	14.7	9.4	0.0	71.4	0.0	163.7	147.2	14.4	65.6	0.0	33.1	122.9	642.5
10. LR PF (MW)	261.8	261.8	0.0	232.3	0.0	232.3	232.3	232.3	157.1	0.0	232.3	261.8	231.3
11. PMOH	0.0	10.5	53.6	14.7	19.2	146.3	124.2	64.3	4.3	19.1	46.4	161.7	664.3
12. LR PM (MW)	261.8	261.8	261.8	232.3	232.3	232.3	232.3	232.3	229.3	232.5	232.3	261.8	242.3
13. NSC (MW)	1,047.0	1,047.0	1,047.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	1,047.0	968.3
14. OPR BTU(GBTU)	1,189.7	1,114.3	2,384.4	2,374.7	2,156.8	1,906.5	2,500.5	3,170.0	2,923.8	1,256.8	1,117.3	1,936.6	24,031.5
15. NET GEN (MWH)	157,433	146,101	318,307	313,417	278,762	253,553	320,829	417,625	387,413	159,540	141,459	252,109	3,146,548
16. ANOHR (BTU/KWH)	7,556.8	7,626.6	7,490.7	7,576.9	7,737.2	7,519.2	7,794.0	7,590.5	7,546.9	7,877.7	7,898.6	7,681.8	7,637.0
17. NOF (%)	28.5	46.7	41.2	46.9	45.6	37.9	46.4	61.6	58.5	28.7	27.0	32.4	41.9
18. NPC (MW)	1,047.0	1,047.0	1,047.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	1,047.0	968.3
19. ANOHR EQUATION	ANOHR = NOF (-5.392) + 7,702												

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EXHIBIT NO. _____ (BSB-1)
TAMPA ELECTRIC COMPANY
DOCKET NO. 20180001-EI
DOCUMENT NO. 2
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5	January 2016-December 2016 Targets	219
6	January 2016-December 2016 Actual Performance Results	260
7	January 2017-December 2017 Targets	300
8	January 2018-December 2018 Targets	341

EXHIBIT NO. BSB-2 TAMPA
ELECTRIC COMPANY DOCKET
NO. 20180001-EI
GPIF 2017 FINAL TRUE-UP
DOCUMENT NO. 1

EXHIBIT TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCKET NO. 20180001-EI

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2014 - DECEMBER 2014
TARGETS

DOCUMENT NO. 1

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2014 - DECEMBER 2014
TARGETS
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**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE
JANUARY 2014 - DECEMBER 2014**

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+10	14,961.9	7,480.9
+9	13,465.7	6,732.9
+8	11,969.5	5,984.8
+7	10,473.3	5,236.7
+6	8,977.1	4,488.6
+5	7,480.9	3,740.5
+4	5,984.8	2,992.4
+3	4,488.6	2,244.3
+2	2,992.4	1,496.2
+1	1,496.2	748.1
0	0.0	0.0
-1	(1,454.1)	(748.1)
-2	(2,908.1)	(1,496.2)
-3	(4,362.2)	(2,244.3)
-4	(5,816.3)	(2,992.4)
-5	(7,270.4)	(3,740.5)
-6	(8,724.4)	(4,488.6)
-7	(10,178.5)	(5,236.7)
-8	(11,632.6)	(5,984.8)
-9	(13,086.6)	(6,732.9)
-10	(14,540.7)	(7,480.9)

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
JANUARY 2014 - DECEMBER 2014**

Line 1	Beginning of period balance of common equity: End of month common equity:	\$	2,034,838,000	
Line 2	Month of January	2014	\$	1,988,303,000
Line 3	Month of February	2014	\$	2,006,943,341
Line 4	Month of March	2014	\$	2,025,758,434
Line 5	Month of April	2014	\$	2,053,829,485
Line 6	Month of May	2014	\$	2,073,084,137
Line 7	Month of June	2014	\$	2,092,519,301
Line 8	Month of July	2014	\$	2,045,375,803
Line 9	Month of August	2014	\$	2,064,551,201
Line 10	Month of September	2014	\$	2,083,906,369
Line 11	Month of October	2014	\$	2,112,055,923
Line 12	Month of November	2014	\$	2,131,856,447
Line 13	Month of December	2014	\$	2,151,842,601
Line 14	(Summation of line 1 through line 13 divided by 13)		\$	2,066,528,003
Line 15	25 Basis points			0.0025
Line 16	Revenue Expansion Factor			61.17%
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)	\$		8,446,336
Line 18	Jurisdictional Sales		18,352,207	MWH
Line 19	Total Sales		18,352,207	MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)			100.00%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)	\$		8,446,336
Line 22	Incentive Cap (50% of projected fuel savings at 10 GPIF-Point level from Sheet No. 3.515)	\$		7,480,950
Line 23	Maximum Allowed GPIF Reward (At 10 GPIF-Point Level; the lesser of line 21 and line 22)	\$		7,480,950

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2014 - DECEMBER 2014

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	8.03%	60.6	65.0	51.8	1,201.3	(428.6)
BIG BEND 2	0.71%	74.9	78.9	66.8	106.0	(550.0)
BIG BEND 3	4.89%	74.1	78.3	65.7	732.4	(564.5)
BIG BEND 4	3.06%	62.6	67.4	53.1	457.2	(271.5)
POLK 1	1.66%	84.0	86.4	79.1	248.0	(259.2)
BAYSIDE 1	5.89%	94.0	94.4	93.1	880.8	(341.8)
BAYSIDE 2	8.67%	85.8	87.9	81.6	1,296.6	(2,085.3)
GPIF SYSTEM	32.90%					

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	13.20%	10,501	94.0	10,200	10,802	1,975.3	(1,975.3)
BIG BEND 2	11.67%	10,271	93.0	10,057	10,485	1,746.0	(1,746.0)
BIG BEND 3	8.77%	10,696	82.1	10,523	10,870	1,312.2	(1,312.2)
BIG BEND 4	8.96%	10,381	88.3	10,195	10,568	1,340.6	(1,340.6)
POLK 1	5.05%	10,506	96.5	10,365	10,647	755.0	(755.0)
BAYSIDE 1	10.47%	7,265	60.4	7,142	7,388	1,566.1	(1,566.1)
BAYSIDE 2	8.99%	7,368	59.1	7,282	7,454	1,344.6	(1,344.6)
GPIF SYSTEM	67.10%						

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

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 14 - DEC 14			ACTUAL PERFORMANCE JAN 12 - DEC 12			ACTUAL PERFORMANCE JAN 11 - DEC 11			ACTUAL PERFORMANCE JAN 10 - DEC 10		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
BIG BEND 1	8.03%	24.4%	23.0	16.4	21.2	6.8	26.2	28.3	5.8	13.5	14.4	24.5	15.1	19.9
BIG BEND 2	0.71%	2.2%	6.6	18.6	19.9	4.0	17.9	18.7	17.1	25.4	30.6	5.5	26.1	27.6
BIG BEND 3	4.89%	14.9%	6.6	19.4	20.7	2.8	25.0	25.7	8.6	17.9	19.5	8.4	11.9	13.1
BIG BEND 4	3.06%	9.3%	18.1	19.3	23.5	8.2	16.2	17.6	9.4	15.1	16.7	19.3	14.2	17.5
POLK 1	1.66%	5.0%	5.2	10.8	11.4	12.7	17.3	18.9	4.4	17.3	17.6	4.8	5.2	5.7
BAYSIDE 1	5.89%	17.9%	4.9	1.1	1.1	1.9	3.0	2.0	21.0	3.3	2.0	4.2	2.9	1.1
BAYSIDE 2	8.67%	26.3%	4.9	9.3	9.8	16.5	7.5	2.9	3.7	7.4	3.2	7.6	4.3	1.9
GPIF SYSTEM	32.90%	100.0%	10.9	12.2	14.2	8.3	15.4	14.9	8.9	11.3	10.7	12.1	9.3	10.0
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)			76.9			76.4			79.8			78.6		
			3 PERIOD AVERAGE			3 PERIOD AVERAGE								
			POF	EUOF	EUOR	EAF								
			9.8	12.0	11.9	78.3								

AVERAGE NET OPERATING HEAT RATE (Btu/kWh)

PLANT / UNIT	WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET	ADJUSTED	ADJUSTED	ADJUSTED
			HEAT RATE JAN 14 - DEC 14	ACTUAL PERFORMANCE HEAT RATE JAN 12 - DEC 12	ACTUAL PERFORMANCE HEAT RATE JAN 11 - DEC 11	ACTUAL PERFORMANCE HEAT RATE JAN 10 - DEC 10
BIG BEND 1	13.20%	19.7%	10,501	10,470	10,665	10,213
BIG BEND 2	11.67%	17.4%	10,271	10,328	10,224	10,107
BIG BEND 3	8.77%	13.1%	10,696	10,690	10,628	10,852
BIG BEND 4	8.96%	13.4%	10,381	10,417	10,349	10,383
POLK 1	5.05%	7.5%	10,506	10,167	10,687	10,203
BAYSIDE 1	10.47%	15.6%	7,265	7,257	7,244	7,246
BAYSIDE 2	8.99%	13.4%	7,368	7,350	7,359	7,383
GPIF SYSTEM	67.10%	100.0%				
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kWh)			9,547	9,525	9,567	9,458

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**TAMPA ELECTRIC COMPANY
DERIVATION OF WEIGHTING FACTORS
JANUARY 2014 - DECEMBER 2014
PRODUCTION COSTING SIMULATION
FUEL COST (\$000)**

UNIT PERFORMANCE INDICATOR	AT TARGET (1)	AT MAXIMUM IMPROVEMENT (2)	SAVINGS (3)	WEIGHTING FACTOR (% OF SAVINGS)
EQUIVALENT AVAILABILITY				
EA ₁ BIG BEND 1	724,400.4	723,199.1	1,201.3	8.03%
EA ₂ BIG BEND 2	724,400.4	724,294.4	106.0	0.71%
EA ₃ BIG BEND 3	724,400.4	723,668.0	732.4	4.89%
EA ₄ BIG BEND 4	724,400.4	723,943.2	457.2	3.06%
EA ₅ POLK 1	724,400.4	724,152.4	248.0	1.66%
EA ₆ BAYSIDE 1	724,400.4	723,519.6	880.8	5.89%
EA ₇ BAYSIDE 2	724,400.4	723,103.8	1,296.6	8.67%
AVERAGE HEAT RATE				
AHR ₁ BIG BEND 1	724,400.4	722,425.1	1,975.3	13.20%
AHR ₂ BIG BEND 2	724,400.4	722,654.4	1,746.0	11.67%
AHR ₃ BIG BEND 3	724,400.4	723,088.2	1,312.2	8.77%
AHR ₄ BIG BEND 4	724,400.4	723,059.8	1,340.6	8.96%
AHR ₅ POLK 1	724,400.4	723,645.4	755.0	5.05%
AHR ₆ BAYSIDE 1	724,400.4	722,834.3	1,566.1	10.47%
AHR ₇ BAYSIDE 2	724,400.4	723,055.8	1,344.6	8.99%
TOTAL SAVINGS			14,961.9	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 2014 - DECEMBER 2014

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,201.3	65.0	+10	1,975.3	10,200
+9	1,081.2	64.6	+9	1,777.7	10,223
+8	961.0	64.2	+8	1,580.2	10,245
+7	840.9	63.7	+7	1,382.7	10,268
+6	720.8	63.3	+6	1,185.2	10,290
+5	600.6	62.8	+5	987.6	10,313
+4	480.5	62.4	+4	790.1	10,336
+3	360.4	61.9	+3	592.6	10,358
+2	240.3	61.5	+2	395.1	10,381
+1	120.1	61.1	+1	197.5	10,404
					10,426
0	0.0	60.6	0	0.0	10,501
					10,576
-1	(42.9)	59.7	-1	(197.5)	10,599
-2	(85.7)	58.9	-2	(395.1)	10,621
-3	(128.6)	58.0	-3	(592.6)	10,644
-4	(171.4)	57.1	-4	(790.1)	10,667
-5	(214.3)	56.2	-5	(987.6)	10,689
-6	(257.2)	55.3	-6	(1,185.2)	10,712
-7	(300.0)	54.4	-7	(1,382.7)	10,734
-8	(342.9)	53.5	-8	(1,580.2)	10,757
-9	(385.7)	52.7	-9	(1,777.7)	10,780
-10	(428.6)	51.8	-10	(1,975.3)	10,802

Weighting Factor =

8.03%

Weighting Factor =

13.20%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY

JANUARY 2014 - DECEMBER 2014

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	106.0	78.9	+10	1,746.0	10,057
+9	95.4	78.5	+9	1,571.4	10,071
+8	84.8	78.1	+8	1,396.8	10,085
+7	74.2	77.7	+7	1,222.2	10,099
+6	63.6	77.3	+6	1,047.6	10,113
+5	53.0	76.9	+5	873.0	10,127
+4	42.4	76.5	+4	698.4	10,140
+3	31.8	76.1	+3	523.8	10,154
+2	21.2	75.7	+2	349.2	10,168
+1	10.6	75.3	+1	174.6	10,182
					10,196
0	0.0	74.9	0	0.0	10,271
					10,346
-1	(55.0)	74.1	-1	(174.6)	10,360
-2	(110.0)	73.2	-2	(349.2)	10,374
-3	(165.0)	72.4	-3	(523.8)	10,388
-4	(220.0)	71.6	-4	(698.4)	10,401
-5	(275.0)	70.8	-5	(873.0)	10,415
-6	(330.0)	70.0	-6	(1,047.6)	10,429
-7	(385.0)	69.2	-7	(1,222.2)	10,443
-8	(440.0)	68.4	-8	(1,396.8)	10,457
-9	(495.0)	67.6	-9	(1,571.4)	10,471
-10	(550.0)	66.8	-10	(1,746.0)	10,485

Weighting Factor =

0.71%

Weighting Factor =

11.67%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2014 - DECEMBER 2014

BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	732.4	78.3	+10	1,312.2	10,523
+9	659.1	77.9	+9	1,181.0	10,533
+8	585.9	77.4	+8	1,049.7	10,542
+7	512.7	77.0	+7	918.5	10,552
+6	439.4	76.6	+6	787.3	10,562
+5	366.2	76.2	+5	656.1	10,572
+4	292.9	75.8	+4	524.9	10,582
+3	219.7	75.3	+3	393.7	10,592
+2	146.5	74.9	+2	262.4	10,602
+1	73.2	74.5	+1	131.2	10,611
					10,621
0	0.0	74.1	0	0.0	10,696
					10,771
-1	(56.5)	73.2	-1	(131.2)	10,781
-2	(112.9)	72.4	-2	(262.4)	10,791
-3	(169.4)	71.6	-3	(393.7)	10,801
-4	(225.8)	70.7	-4	(524.9)	10,811
-5	(282.3)	69.9	-5	(656.1)	10,821
-6	(338.7)	69.0	-6	(787.3)	10,831
-7	(395.2)	68.2	-7	(918.5)	10,840
-8	(451.6)	67.4	-8	(1,049.7)	10,850
-9	(508.1)	66.5	-9	(1,181.0)	10,860
-10	(564.5)	65.7	-10	(1,312.2)	10,870

Weighting Factor =

4.89%

Weighting Factor =

8.77%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2014 - DECEMBER 2014

BIG BEND 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	457.2	67.4	+10	1,340.6	10,195
+9	411.5	66.9	+9	1,206.5	10,206
+8	365.8	66.4	+8	1,072.5	10,217
+7	320.1	66.0	+7	938.4	10,229
+6	274.3	65.5	+6	804.3	10,240
+5	228.6	65.0	+5	670.3	10,251
+4	182.9	64.5	+4	536.2	10,262
+3	137.2	64.1	+3	402.2	10,273
+2	91.4	63.6	+2	268.1	10,284
+1	45.7	63.1	+1	134.1	10,295
					10,306
0	0.0	62.6	0	0.0	10,381
					10,456
-1	(27.2)	61.7	-1	(134.1)	10,468
-2	(54.3)	60.7	-2	(268.1)	10,479
-3	(81.5)	59.8	-3	(402.2)	10,490
-4	(108.6)	58.8	-4	(536.2)	10,501
-5	(135.8)	57.9	-5	(670.3)	10,512
-6	(162.9)	56.9	-6	(804.3)	10,523
-7	(190.1)	56.0	-7	(938.4)	10,534
-8	(217.2)	55.0	-8	(1,072.5)	10,546
-9	(244.4)	54.1	-9	(1,206.5)	10,557
-10	(271.5)	53.1	-10	(1,340.6)	10,568

Weighting Factor =

3.06%

Weighting Factor =

8.96%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2014 - DECEMBER 2014

POLK 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	248.0	86.4	+10	755.0	10,365
+9	223.2	86.2	+9	679.5	10,372
+8	198.4	85.9	+8	604.0	10,379
+7	173.6	85.7	+7	528.5	10,385
+6	148.8	85.4	+6	453.0	10,392
+5	124.0	85.2	+5	377.5	10,398
+4	99.2	84.9	+4	302.0	10,405
+3	74.4	84.7	+3	226.5	10,412
+2	49.6	84.5	+2	151.0	10,418
+1	24.8	84.2	+1	75.5	10,425
					10,431
0	0.0	84.0	0	0.0	10,506
					10,581
-1	(25.9)	83.5	-1	(75.5)	10,588
-2	(51.8)	83.0	-2	(151.0)	10,595
-3	(77.8)	82.5	-3	(226.5)	10,601
-4	(103.7)	82.0	-4	(302.0)	10,608
-5	(129.6)	81.6	-5	(377.5)	10,614
-6	(155.5)	81.1	-6	(453.0)	10,621
-7	(181.5)	80.6	-7	(528.5)	10,627
-8	(207.4)	80.1	-8	(604.0)	10,634
-9	(233.3)	79.6	-9	(679.5)	10,641
-10	(259.2)	79.1	-10	(755.0)	10,647

Weighting Factor =

1.66%

Weighting Factor =

5.05%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2014 - DECEMBER 2014

BAYSIDE 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	880.8	94.45	+10	1,566.1	7,142
+9	792.8	94.40	+9	1,409.5	7,147
+8	704.7	94.35	+8	1,252.9	7,152
+7	616.6	94.31	+7	1,096.3	7,156
+6	528.5	94.26	+6	939.6	7,161
+5	440.4	94.21	+5	783.0	7,166
+4	352.3	94.17	+4	626.4	7,171
+3	264.3	94.12	+3	469.8	7,176
+2	176.2	94.07	+2	313.2	7,180
+1	88.1	94.03	+1	156.6	7,185
					7,190
0	0.0	93.98	0	0.0	7,265
					7,340
-1	(34.2)	93.89	-1	(156.6)	7,345
-2	(68.4)	93.80	-2	(313.2)	7,350
-3	(102.5)	93.71	-3	(469.8)	7,354
-4	(136.7)	93.61	-4	(626.4)	7,359
-5	(170.9)	93.52	-5	(783.0)	7,364
-6	(205.1)	93.43	-6	(939.6)	7,369
-7	(239.3)	93.34	-7	(1,096.3)	7,374
-8	(273.5)	93.24	-8	(1,252.9)	7,378
-9	(307.6)	93.15	-9	(1,409.5)	7,383
-10	(341.8)	93.06	-10	(1,566.1)	7,388

Weighting Factor =

5.89%

Weighting Factor =

10.47%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2014 - DECEMBER 2014

BAYSIDE 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,296.6	87.9	+10	1,344.6	7,282
+9	1,166.9	87.7	+9	1,210.1	7,283
+8	1,037.2	87.5	+8	1,075.7	7,285
+7	907.6	87.3	+7	941.2	7,286
+6	777.9	87.0	+6	806.8	7,287
+5	648.3	86.8	+5	672.3	7,288
+4	518.6	86.6	+4	537.8	7,289
+3	389.0	86.4	+3	403.4	7,290
+2	259.3	86.2	+2	268.9	7,291
+1	129.7	86.0	+1	134.5	7,292
					7,293
0	0.0	85.8	0	0.0	7,368
					7,443
-1	(208.5)	85.4	-1	(134.5)	7,444
-2	(417.1)	84.9	-2	(268.9)	7,445
-3	(625.6)	84.5	-3	(403.4)	7,446
-4	(834.1)	84.1	-4	(537.8)	7,448
-5	(1,042.6)	83.7	-5	(672.3)	7,449
-6	(1,251.2)	83.3	-6	(806.8)	7,450
-7	(1,459.7)	82.8	-7	(941.2)	7,451
-8	(1,668.2)	82.4	-8	(1,075.7)	7,452
-9	(1,876.7)	82.0	-9	(1,210.1)	7,453
-10	(2,085.3)	81.6	-10	(1,344.6)	7,454

Weighting Factor =

8.67%

Weighting Factor =

8.99%

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2014 - DECEMBER 2014

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-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	2014	
1. EAF (%)	78.8	39.4	78.8	78.8	78.8	78.8	78.8	73.7	0.0	0.0	60.3	78.8	60.6	
2. POF	0.0	50.0	0.0	0.0	0.0	0.0	0.0	6.5	100.0	100.0	23.4	0.0	23.0	
3. EUOF	21.2	10.6	21.2	21.2	21.2	21.2	21.2	19.9	0.0	0.0	16.3	21.2	16.4	
4. EUOR	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	0.0	0.0	21.2	21.2	21.2	
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760	
6. SH	609	275	609	590	609	590	609	570	0	0	452	609	5,522	
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0	
8. UH	135	397	134	130	135	130	135	174	720	744	269	135	3,238	
9. POH	0	336	0	0	0	0	0	48	720	744	169	0	2,017	
10. EFOH	153	69	153	148	153	148	153	143	0	0	114	153	1,390	
11. EMOH	5	2	5	5	5	5	5	4	0	0	3	5	42	
12. OPER BTU (GBTU)	2,336	1,015	2,361	2,256	2,341	2,271	2,351	2,203	0	0	1,702	2,321	21,157	
13. NET GEN (MWH)	222,320	96,390	224,790	214,940	223,060	216,350	224,070	209,950	0	0	162,060	220,790	2,014,720	
14. ANOHR (Btu/kwh)	10,509	10,526	10,504	10,498	10,495	10,495	10,493	10,493	0	0	10,505	10,512	10,501	
15. NOF (%)	92.4	88.7	93.4	94.6	95.1	95.2	95.6	95.7	0.0	0.0	93.1	91.8	94.0	
16. NPC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	388	
17. ANOHR EQUATION	ANOHR = NOF(-4.808) +										10,953

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2014 - DECEMBER 2014

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-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	2014
1. EAF (%)	80.1	40.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	75.0	58.7	80.1	74.9
2. POF	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	26.8	0.0	6.6
3. EUOF	19.9	9.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	18.6	14.5	19.9	18.6
4. EUOR	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	625	282	625	605	625	605	625	625	605	585	444	625	6,876
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	119	390	118	115	119	115	119	119	115	159	277	119	1,884
9. POH	0	336	0	0	0	0	0	0	0	48	193	0	577
10. EFOH	116	52	116	112	116	112	116	116	112	109	82	116	1,278
11. EMOH	32	14	31	31	32	31	32	32	31	29	22	32	347
12. OPER BTU (GBTU)	2,313	999	2,325	2,235	2,336	2,261	2,331	2,342	2,263	2,189	1,608	2,307	25,514
13. NET GEN (MWH)	224,660	96,460	225,980	217,760	227,890	220,560	227,390	228,620	220,860	213,650	156,240	223,990	2,484,060
14. ANOHR (Btu/kwh)	10,298	10,355	10,291	10,265	10,249	10,249	10,252	10,245	10,248	10,247	10,292	10,301	10,271
15. NOF (%)	91.0	86.6	91.5	93.5	94.7	94.7	94.5	95.0	94.8	94.9	91.4	90.7	93.0
16. NPC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	388
17. ANOHR EQUATION	ANOHR = NOF(-13.110) +	11,491							

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2014 - DECEMBER 2014

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-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	2014
1. EAF (%)	79.3	79.3	43.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	52.9	79.3	74.1
2. POF	0.0	0.0	45.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	6.6
3. EUOF	20.7	20.7	11.4	20.7	20.7	20.7	20.7	20.7	20.7	20.7	13.8	20.7	19.4
4. EUOR	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	699	632	384	677	699	677	699	699	677	699	451	699	7,692
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	45	40	359	43	45	43	45	45	43	45	270	45	1,068
9. POH	0	0	335	0	0	0	0	0	0	0	240	0	575
10. EFOH	97	87	53	94	97	94	97	97	94	97	63	97	1,064
11. EMOH	57	52	32	56	57	56	57	57	56	57	37	57	632
12. OPER BTU (GBTU)	2,193	1,998	1,205	2,163	2,254	2,190	2,268	2,270	2,209	2,262	1,438	2,196	24,649
13. NET GEN (MWH)	203,990	186,220	112,130	202,100	211,080	205,190	212,740	212,930	207,490	211,940	134,300	204,350	2,304,460
14. ANOHR (Btu/kwh)	10,752	10,731	10,750	10,704	10,679	10,671	10,663	10,661	10,647	10,671	10,709	10,748	10,696
15. NOF (%)	80.0	80.7	80.0	81.8	82.7	83.0	83.4	83.5	84.0	83.1	81.6	80.1	82.1
16. NPC (MW)	365	365	365	365	365	365	365	365	365	365	365	365	365
17. ANOHR EQUATION	ANOHR = NOF(-25.960) +	12,827								

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2014 - DECEMBER 2014

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-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	2014
1. EAF (%)	76.5	76.5	69.0	0.0	19.7	76.5	76.5	76.5	76.5	76.5	76.5	51.8	62.6
2. POF	0.0	0.0	9.7	100.0	74.2	0.0	0.0	0.0	0.0	0.0	0.0	32.3	18.1
3. EUOF	23.5	23.5	21.3	0.0	6.1	23.5	23.5	23.5	23.5	23.5	23.5	23.5	19.3
4. EUOR	23.5	23.5	23.5	0.0	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	634	573	573	0	164	614	634	634	614	634	614	430	6,118
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	110	99	170	720	580	106	110	110	106	110	107	314	2,642
9. POH	0	0	72	720	552	0	0	0	0	0	0	240	1,584
10. EFOH	149	135	134	0	38	144	149	149	144	149	144	101	1,438
11. EMOH	26	24	24	0	7	25	26	26	25	26	25	18	252
12. OPER BTU (GBTU)	2,365	2,129	2,162	0	610	2,324	2,399	2,405	2,332	2,400	2,297	1,595	23,016
13. NET GEN (MWH)	226,790	204,090	207,740	0	58,670	224,460	231,690	232,380	225,340	231,750	221,310	152,790	2,217,010
14. ANOHR (Btu/kwh)	10,427	10,433	10,406	11,953	10,389	10,355	10,355	10,351	10,348	10,355	10,377	10,437	10,381
15. NOF (%)	85.8	85.4	86.9	0.0	87.9	89.8	89.8	90.1	90.2	89.8	88.6	85.2	88.3
16. NPC (MW)	417	417	417	407	407	407	407	407	407	407	407	417	410
17. ANOHR EQUATION	ANOHR = NOF(-17.797) +								11,953

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2014 - DECEMBER 2014

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-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	2014
1. EAF (%)	88.6	88.6	48.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	73.8	88.6	84.0
2. POF	0.0	0.0	45.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0	5.2
3. EUOF	11.4	11.4	6.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	9.5	11.4	10.8
4. EUOR	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	682	616	374	671	699	678	711	701	678	698	567	702	7,777
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	62	56	369	49	45	42	33	43	42	46	154	42	983
9. POH	0	0	335	0	0	0	0	0	0	0	120	0	455
10. EFOH	59	53	32	57	59	57	59	59	57	59	47	59	656
11. EMOH	26	24	14	25	26	25	26	26	25	26	21	26	292
12. OPER BTU (GBTU)	1,521	1,374	834	1,498	1,560	1,513	1,585	1,563	1,512	1,557	1,265	1,567	17,348
13. NET GEN (MWH)	144,990	130,960	79,510	141,990	148,270	143,810	151,180	149,020	144,250	148,380	120,430	148,380	1,651,170
14. ANOHR (Btu/kwh)	10,489	10,489	10,490	10,549	10,518	10,519	10,487	10,490	10,480	10,490	10,501	10,563	10,506
15. NOF (%)	96.6	96.6	96.6	96.2	96.4	96.4	96.7	96.6	96.7	96.6	96.5	96.1	96.5
16. NPC (MW)	220	220	220	220	220	220	220	220	220	220	220	220	220
17. ANOHR EQUATION	ANOHR = NOF(-132.175) +	23,262								

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2014 - DECEMBER 2014

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-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	2014
1. EAF (%)	98.9	98.9	70.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	70.2	94.0
2. POF	0.0	0.0	29.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	4.9
3. EUOF	1.1	1.1	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.8	1.1
4. EUOR	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	560	604	483	573	675	691	713	710	712	656	530	482	7,389
7. RSH	175	60	38	139	60	21	22	25	0	79	183	40	844
8. UH	9	8	222	8	9	8	9	9	8	9	8	222	527
9. POH	0	0	216	0	0	0	0	0	0	0	0	216	432
10. EFOH	2	1	1	2	2	2	2	2	2	2	2	1	18
11. EMOH	7	6	5	7	7	7	7	7	7	7	7	5	77
12. OPER BTU (GBTU)	1,790	2,433	1,777	1,441	2,008	2,161	2,221	2,141	2,425	2,057	1,718	1,517	23,712
13. NET GEN (MWH)	244,970	338,820	245,690	195,890	275,700	297,780	306,050	294,340	336,360	283,510	237,330	207,470	3,263,910
14. ANOHR (Btu/kwh)	7,306	7,182	7,235	7,358	7,282	7,257	7,258	7,275	7,209	7,255	7,237	7,313	7,265
15. NOF (%)	55.2	70.8	64.2	48.8	58.3	61.5	61.2	59.1	67.4	61.7	63.9	54.3	60.4
16. NPC (MW)	792	792	792	701	701	701	701	701	701	701	701	792	731
17. ANOHR EQUATION	ANOHR = NOF(-7.979) +	7,747								

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2014 - DECEMBER 2014

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-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	2014
1. EAF (%)	90.2	61.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	63.2	90.2	85.8
2. POF	0.0	32.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	4.9
3. EUOF	9.8	6.6	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	6.8	9.8	9.3
4. EUOR	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	671	411	670	650	671	650	671	671	650	671	456	671	7,514
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	73	261	73	70	73	70	73	73	70	73	265	73	1,246
9. POH	0	216	0	0	0	0	0	0	0	0	216	0	432
10. EFOH	61	38	61	59	61	59	61	61	59	61	42	61	687
11. EMOH	11	7	11	11	11	11	11	11	11	11	8	11	127
12. OPER BTU (GBTU)	1,402	1,549	1,943	2,924	3,298	3,220	3,355	3,424	3,628	3,365	1,863	1,555	31,692
13. NET GEN (MWH)	185,470	208,380	259,090	398,990	452,410	441,980	460,760	470,820	501,940	462,170	252,930	206,200	4,301,140
14. ANOHR (Btu/kwh)	7,560	7,431	7,498	7,327	7,290	7,286	7,282	7,272	7,227	7,281	7,365	7,543	7,368
15. NOF (%)	26.4	48.4	36.9	66.1	72.5	73.2	73.9	75.5	83.2	74.1	59.7	29.3	59.1
16. NPC (MW)	1,047	1,047	1,047	929	929	929	929	929	929	929	929	1,047	968
17. ANOHR EQUATION	ANOHR = NOF(-5.853) +	7,714								

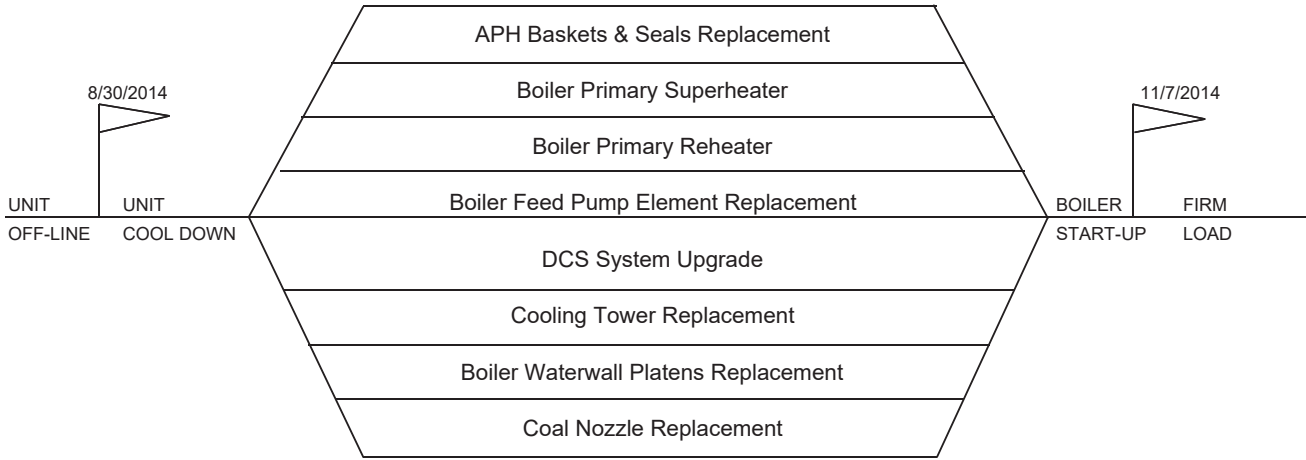
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**TAMPA ELECTRIC COMPANY
ESTIMATED PLANNED OUTAGE SCHEDULE
GPIF UNITS
JANUARY 2014 - DECEMBER 2014**

<u>PLANT / UNIT</u>	<u>PLANNED OUTAGE DATES</u>	<u>OUTAGE DESCRIPTION</u>
+ BIG BEND 1	Feb 02 - Feb 15 Aug 30 - Nov 07	Fuel System Cleanup and FGD/SCR work APH Baskets & Seals Replacement, Boiler Feed Pump Turbine Blade, Coal Nozzle Replacement, Boiler Feed Pump Element Replacement, DCS System Upgrade, Cooling Tower Replacement, High Temp SH Dissimilar Metal Weld, Boiler Primary Reheater Replacement, Boiler Primary Superheater Replacement, Boiler Waterwall Platens Replacement
BIG BEND 2	Feb 01 - Feb 14 Oct 30 - Nov 08	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
BIG BEND 3	Mar 01 - Mar 14 Nov 15 - Nov 24	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
+ BIG BEND 4	Mar 29 - May 23	Air Heater Rotor & Element, Boiler Feed Pump Element, Bunker Liners, Burner Assembly & Coal Nozzles, Coal Feeder Replacement, Cooling Tower Replacement, DCS Upgrades, EH5 & EH6 Replacement, FGD C Booster Fan, FGD Tower Lined Piping, Finishing Reheater Replacement, BFP Turbine Overhaul, HP/IP/LP Turbine work, Precipitator work, Circulating Water Discharge Outfall Structure
	Dec 06 - Dec 15	Fuel System Cleanup and FGD/SCR work
POLK 1	Mar 02 - Mar 15 Nov 09 - Nov 13	Gasifier & Power Block Outage Gasifier Outage
BAYSIDE 1	Mar 17 - Mar 25 Dec 02 - Dec 10	Fuel System Cleanup Fuel System Cleanup
BAYSIDE 2	Feb 19 - Feb 27 Nov 15 - Nov 23	Fuel System Cleanup Fuel System Cleanup

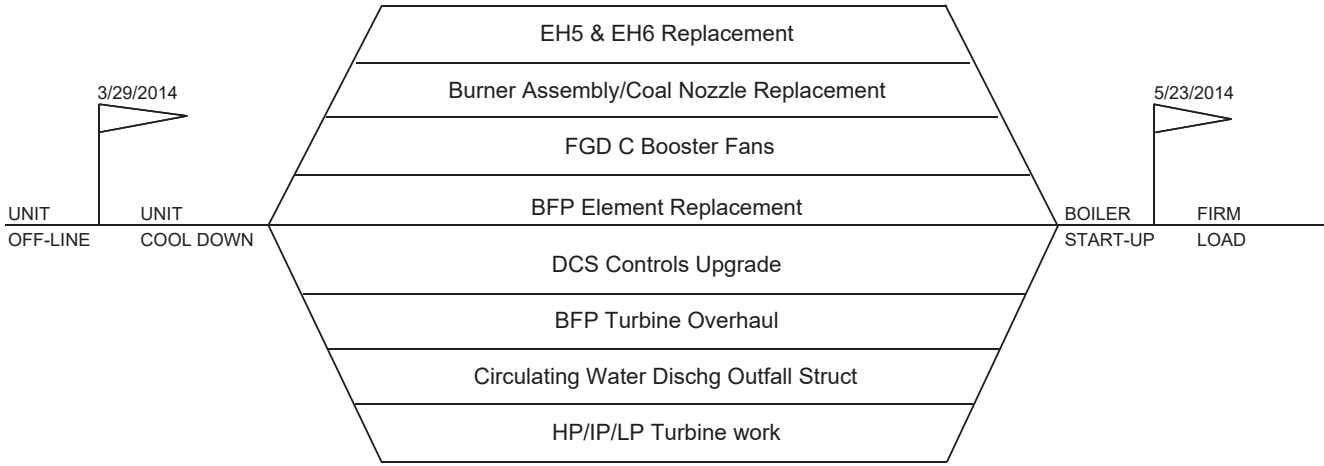
+ These units have CPM included. CPM for units with less than or equal to 4 weeks are not included.

TAMPA ELECTRIC COMPANY
 CRITICAL PATH METHOD DIAGRAMS
 GPIF UNITS > FOUR WEEKS
 JANUARY 2014 - DECEMBER 2014



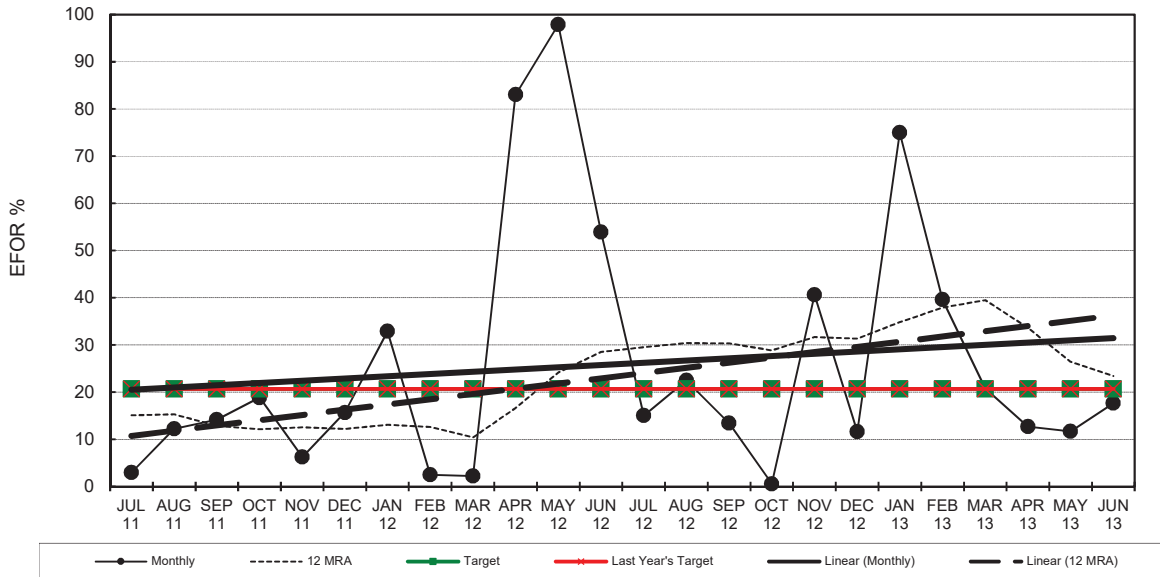
TAMPA ELECTRIC COMPANY
 BIG BEND 1
 PLANNED OUTAGE 2014
 PROJECTED CPM

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2014 - DECEMBER 2014

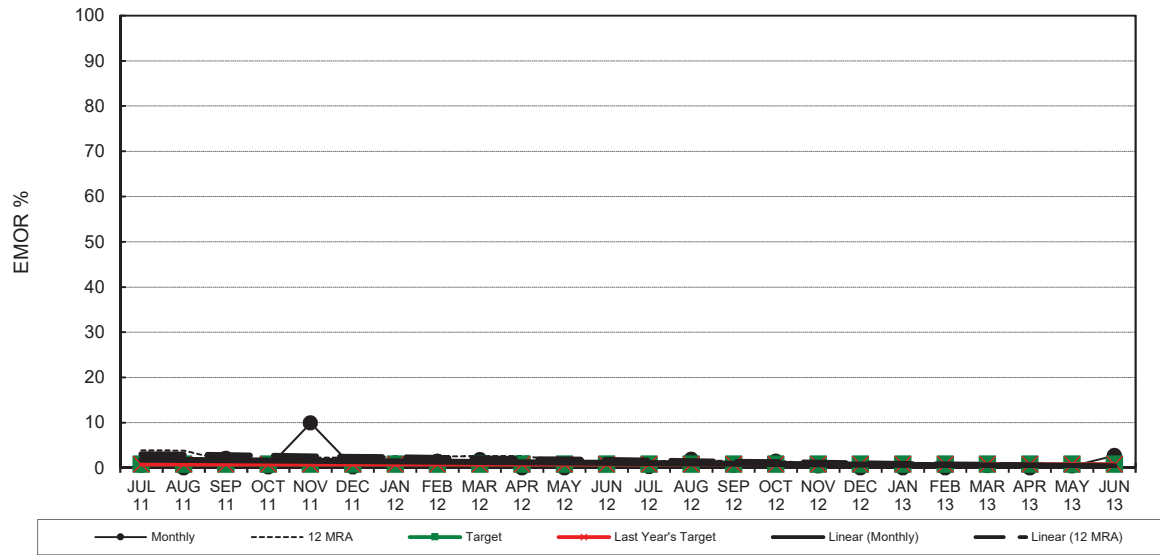


TAMPA ELECTRIC COMPANY
BIG BEND 4
PLANNED OUTAGE 2014
PROJECTED CPM

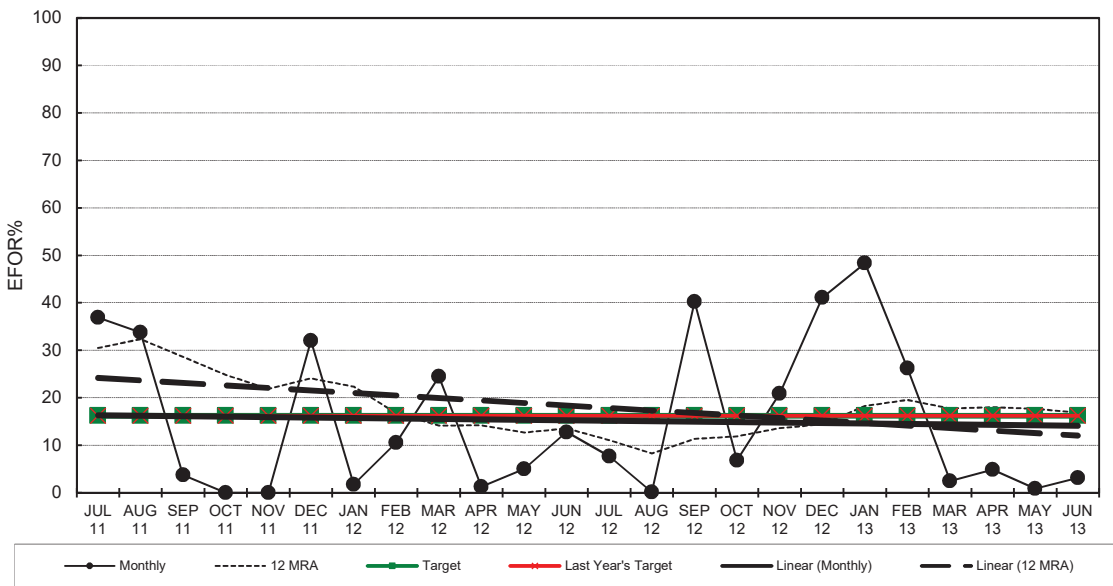
Big Bend Unit 1
 EFOR



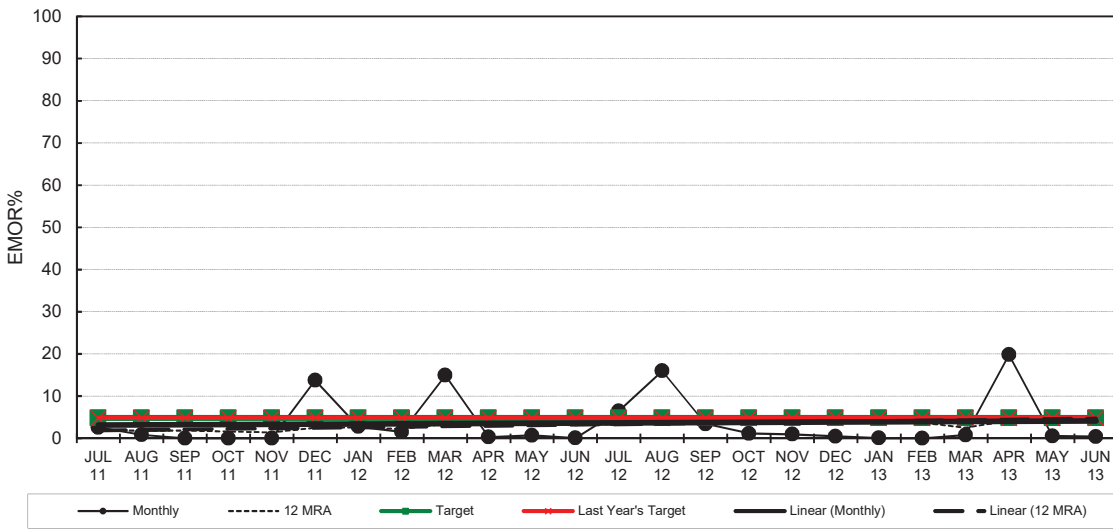
Big Bend Unit 1
 EMOR



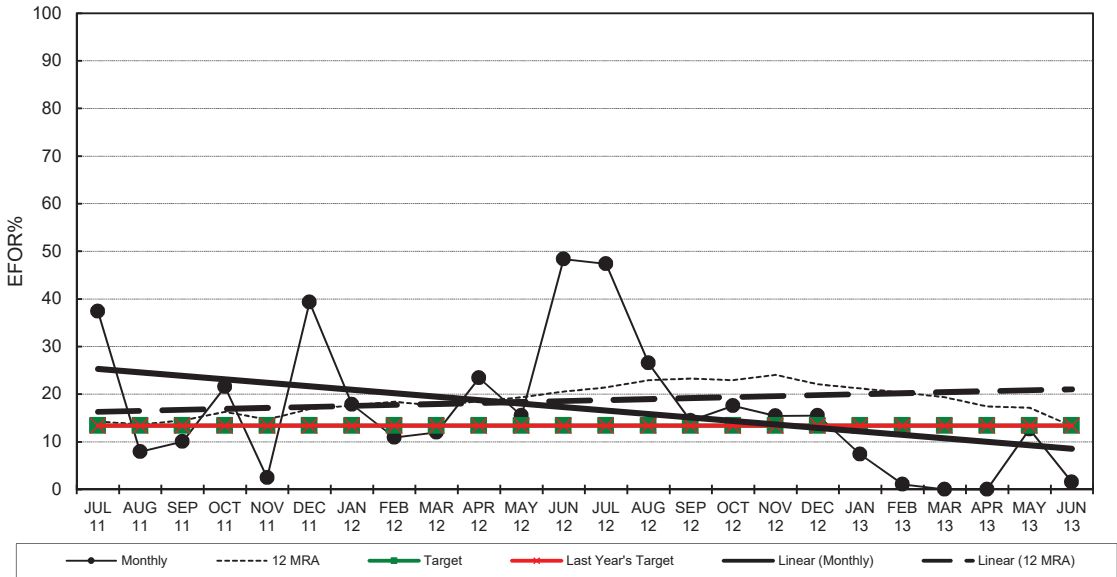
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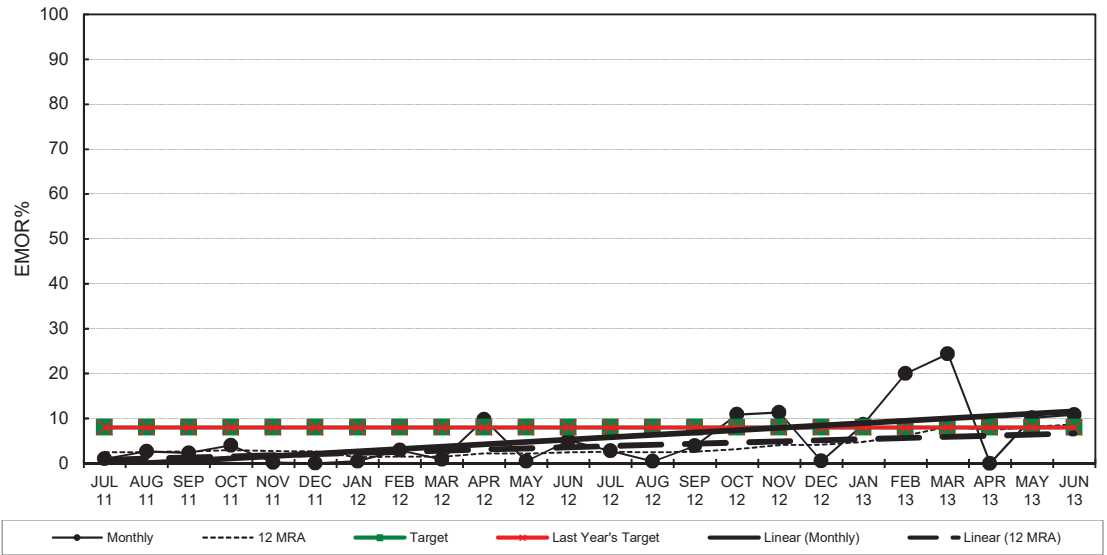
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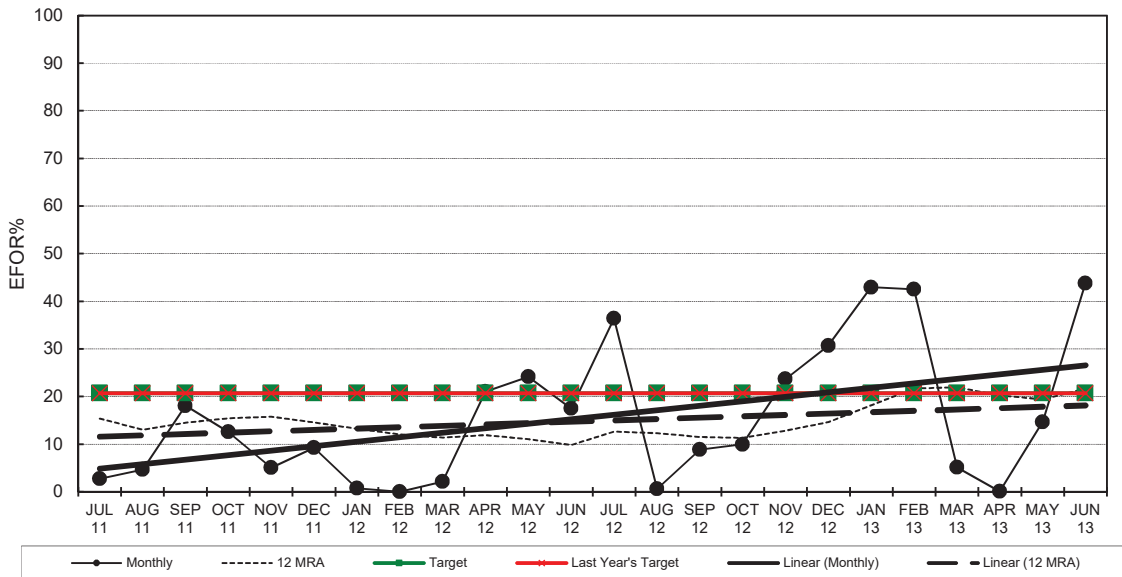
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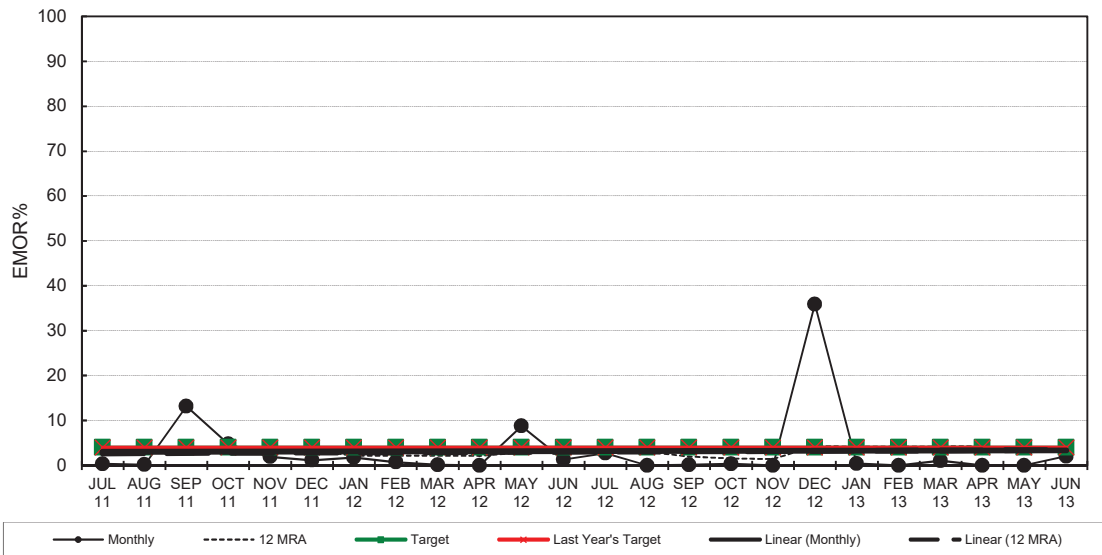
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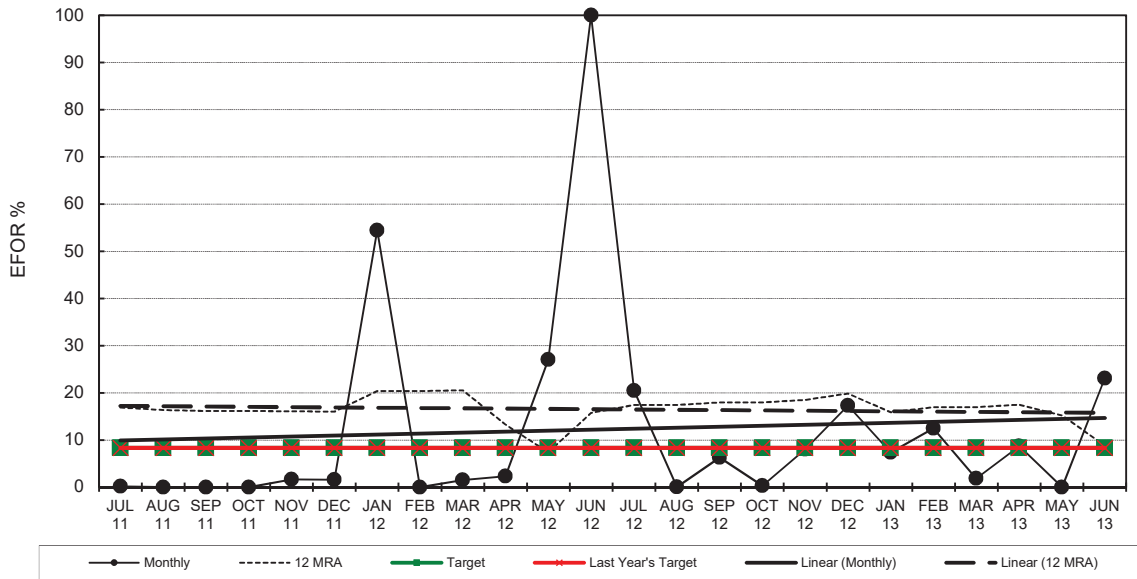
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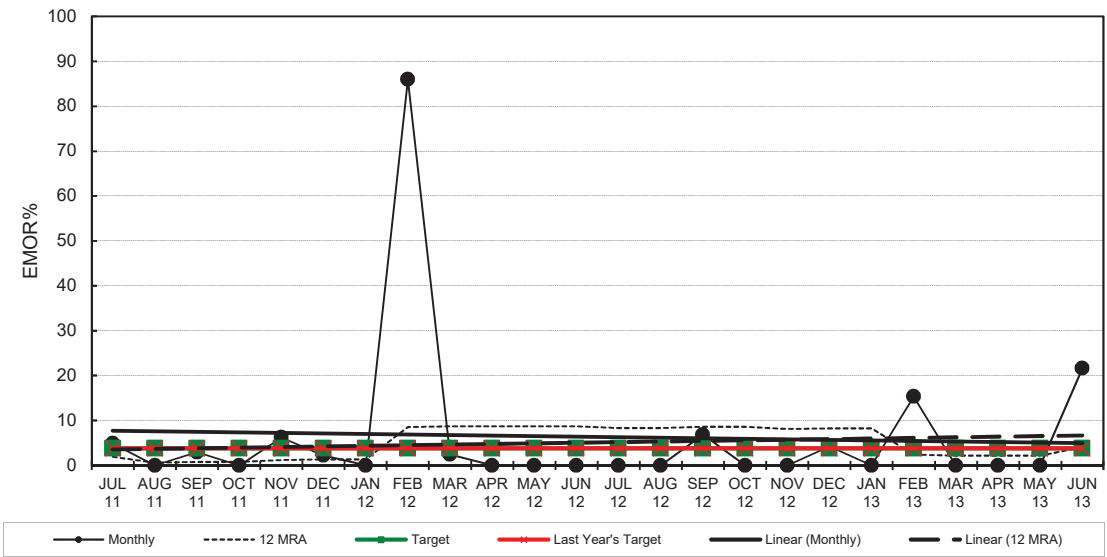
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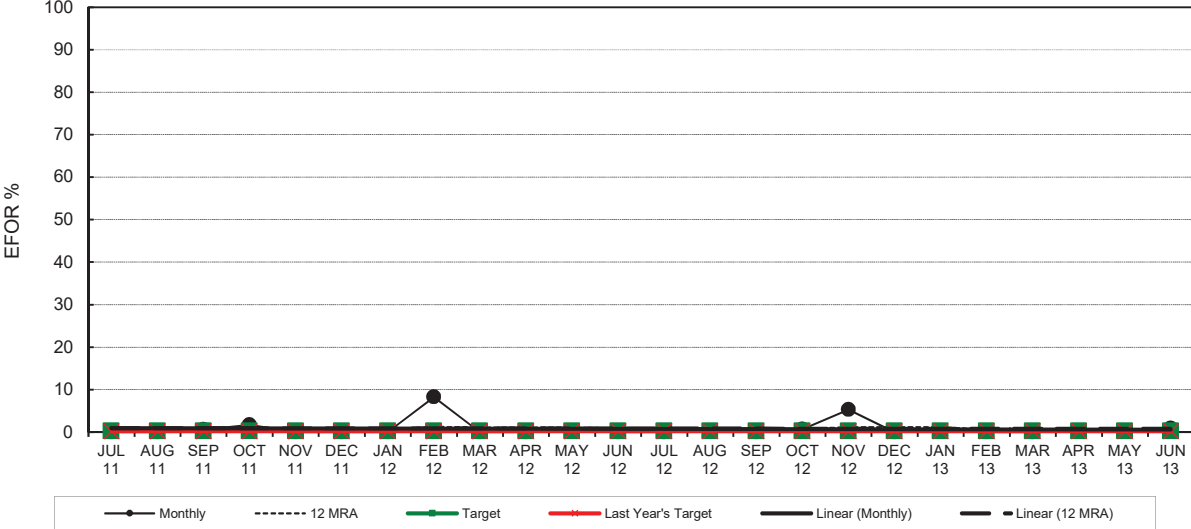
Polk Unit 1
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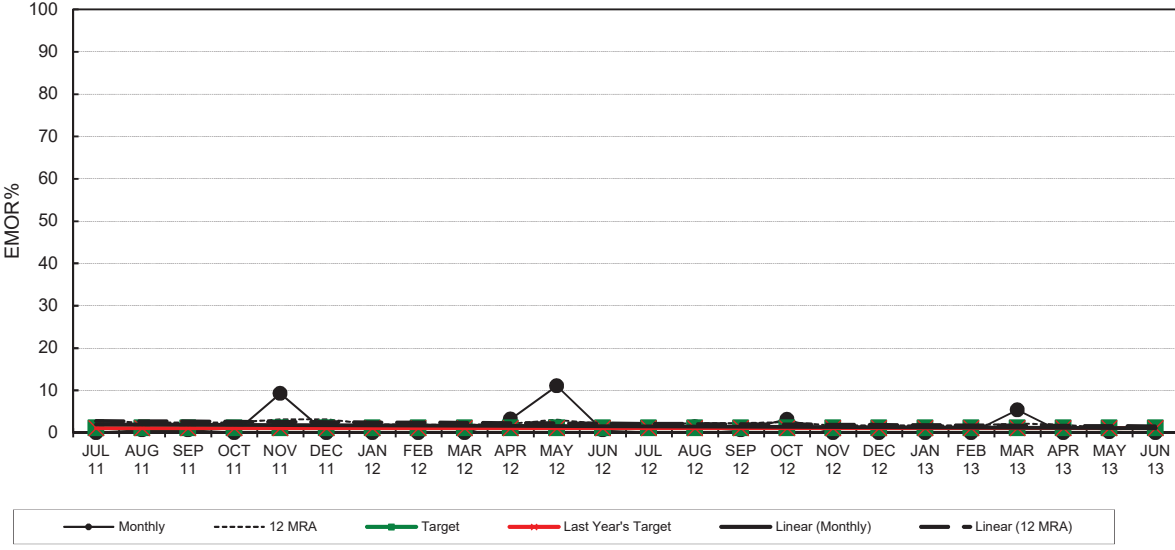
Polk Unit 1
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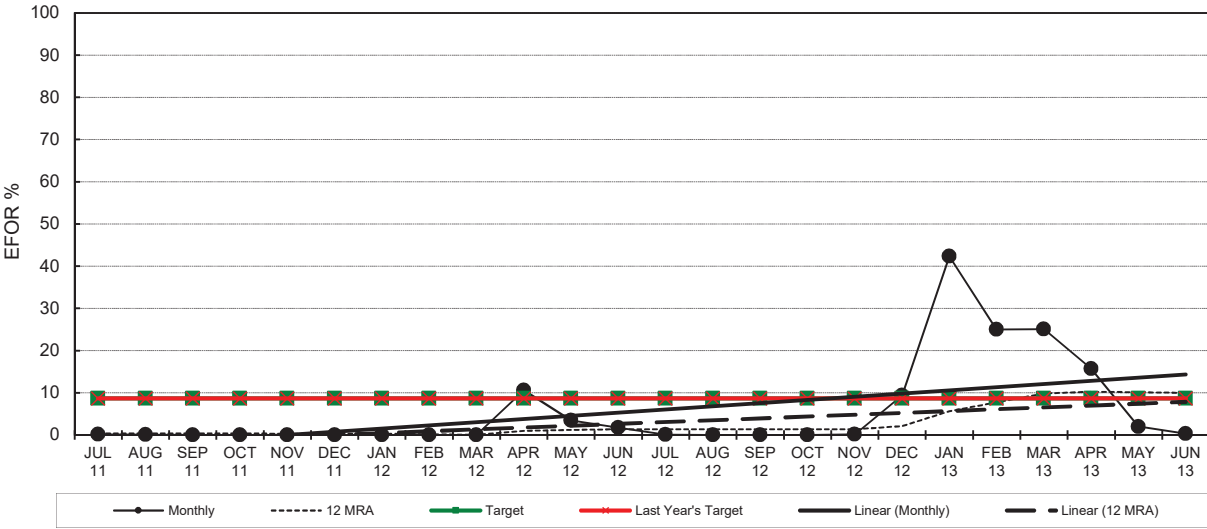
Bayside Unit 1
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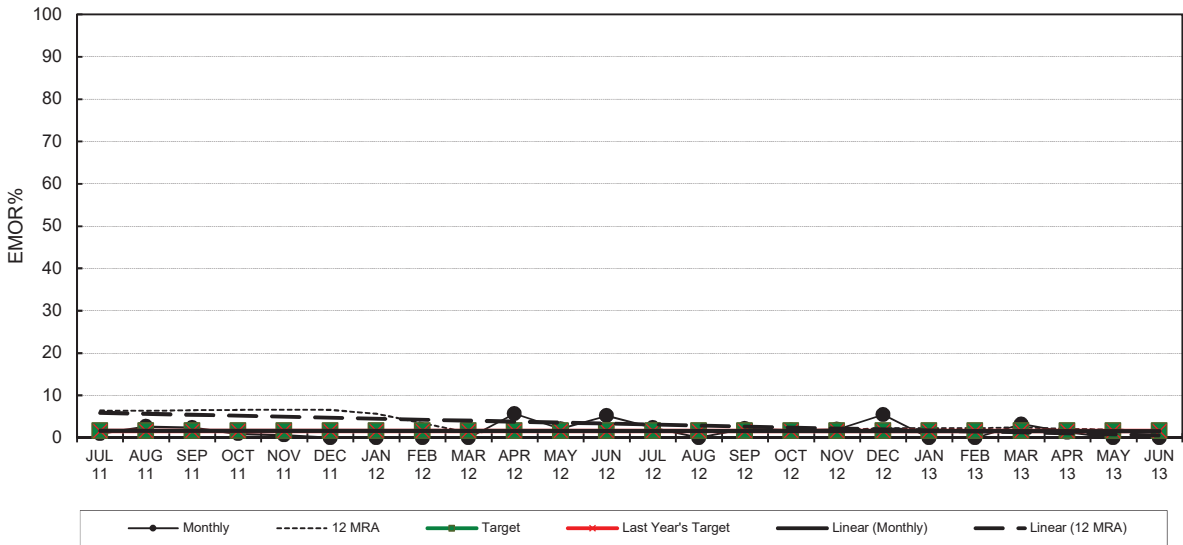
Bayside Unit 1
 EMOR



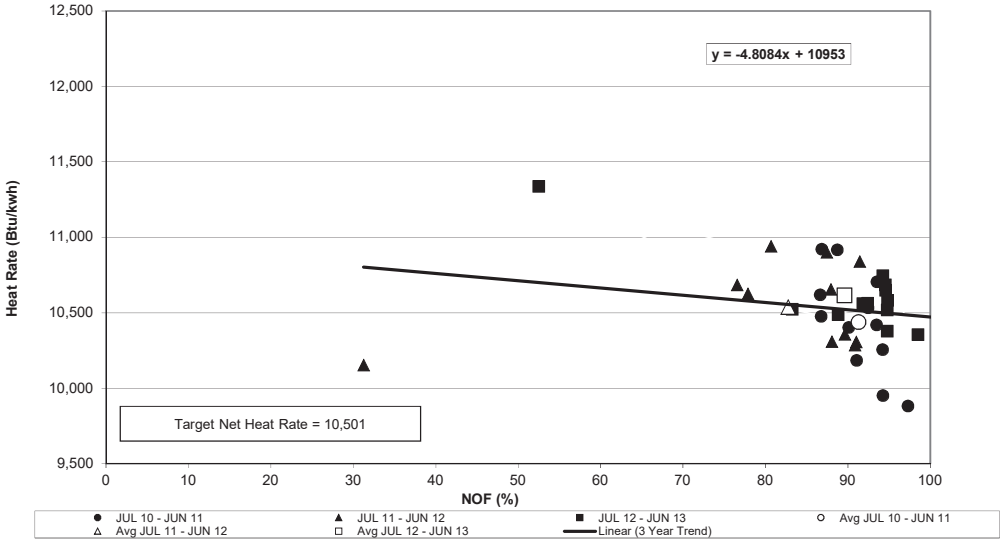
Bayside Unit 2
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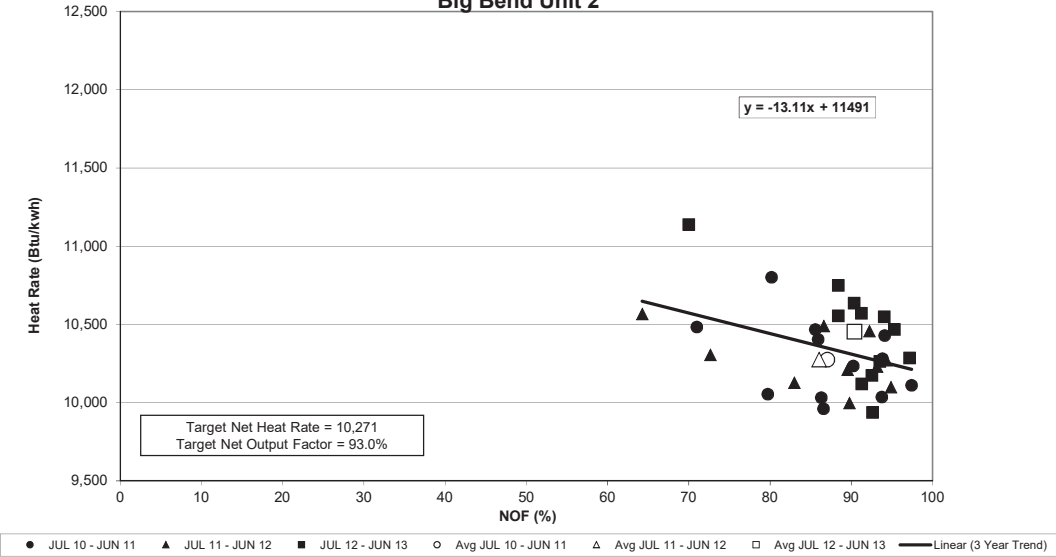
Bayside Unit 2
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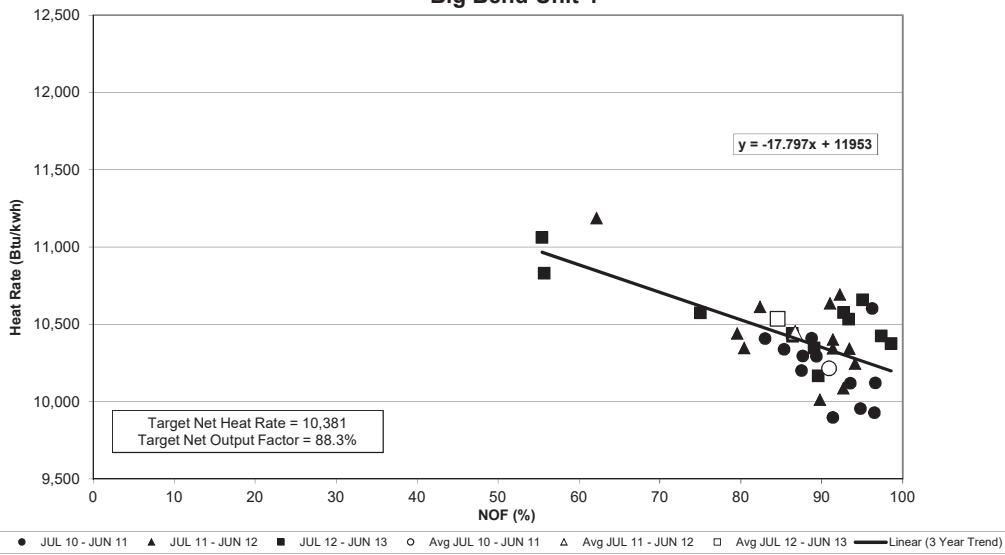
**Tampa Electric Company
Heat Rate vs Net Output Factor
Big Bend Unit 1**

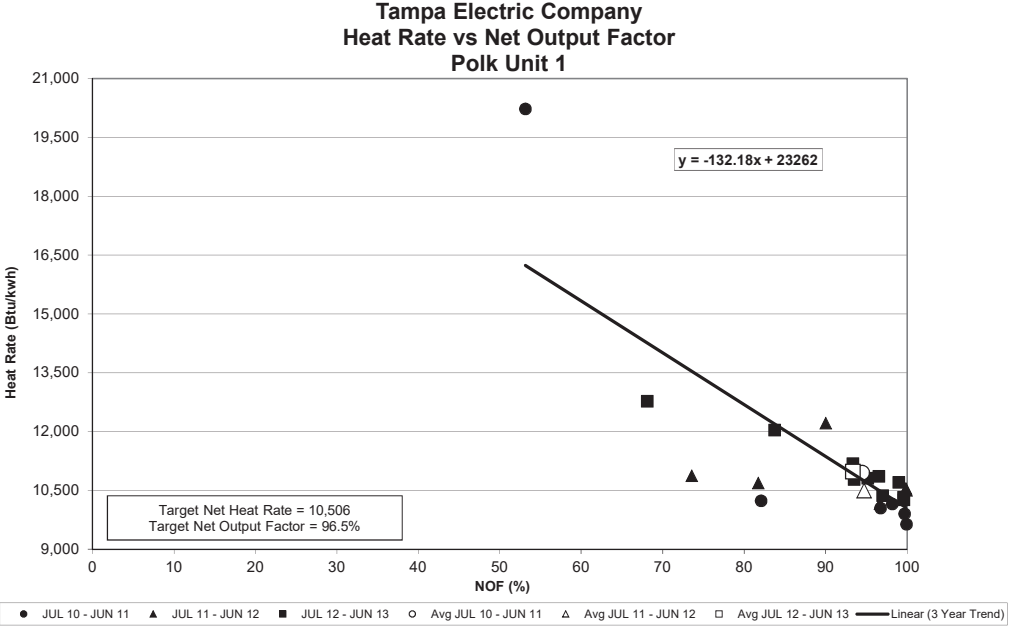


**Tampa Electric Company
 Heat Rate vs Net Output Factor
 Big Bend Unit 2**

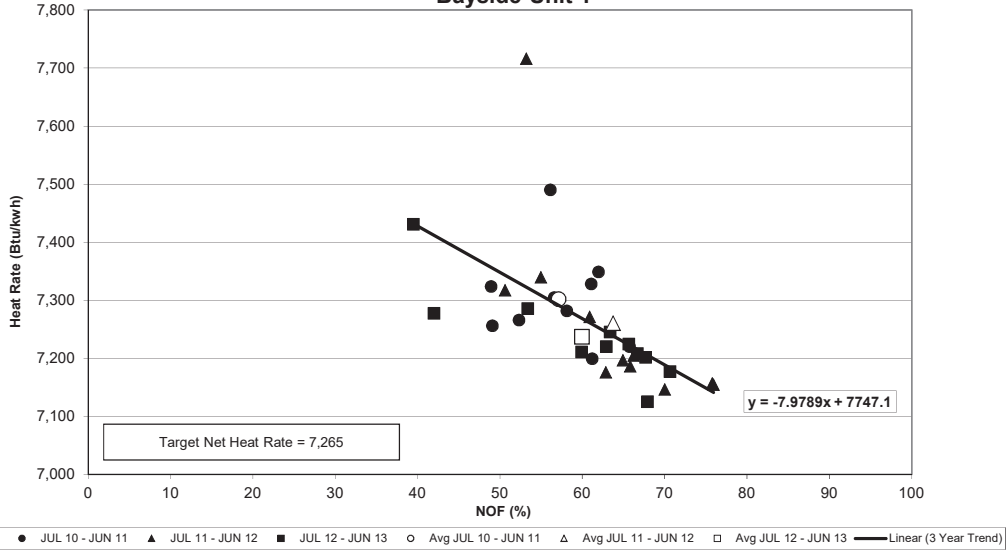


Tampa Electric Company
Heat Rate vs Net Output Factor
Big Bend Unit 4

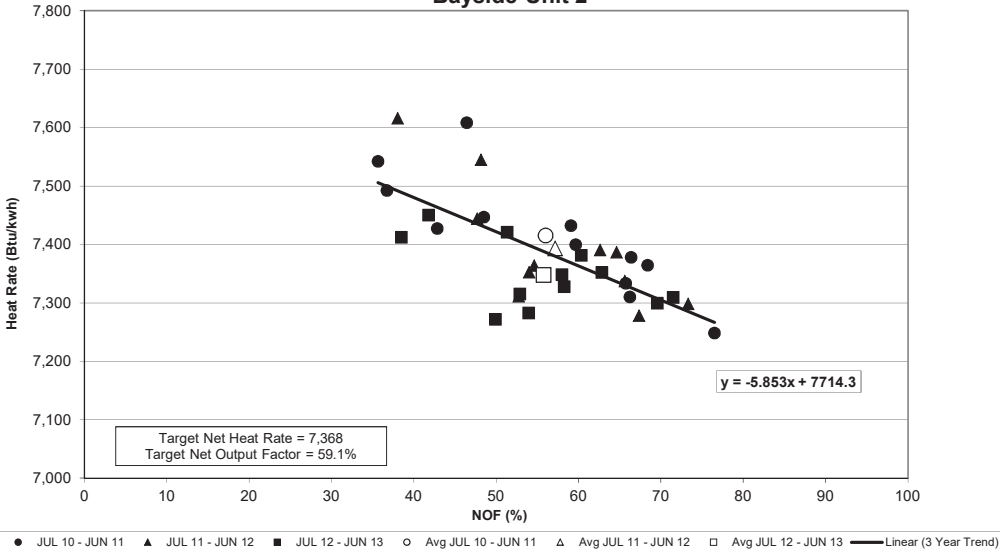




**Tampa Electric Company
 Heat Rate vs Net Output Factor
 Bayside Unit 1**



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



**TAMPA ELECTRIC COMPANY
GENERATING UNITS IN GPIF
TABLE 4.2
JANUARY 2014 - DECEMBER 2014**

<u>PLANT / UNIT</u>	<u>ANNUAL GROSS MDC (MW)</u>	<u>ANNUAL NET NDC (MW)</u>
BIG BEND 1	413	388
BIG BEND 2	413	388
BIG BEND 3	390	365
BIG BEND 4	443	410
POLK 1	290	220
BAYSIDE 1	740	731
BAYSIDE 2	979	968
GPIF TOTAL	<u>3,670</u>	<u>3,472</u>
SYSTEM TOTAL	4,614	4,407
% OF SYSTEM TOTAL	79.5%	78.8%

**TAMPA ELECTRIC COMPANY
UNIT RATINGS
JANUARY 2014 - DECEMBER 2014**

<u>PLANT / UNIT</u>	<u>ANNUAL GROSS MDC (MW)</u>	<u>ANNUAL NET NDC (MW)</u>
BAYSIDE 1	740	731
BAYSIDE 2	979	968
BAYSIDE 3	59	58
BAYSIDE 4	59	58
BAYSIDE 5	59	58
BAYSIDE 6	59	58
BAYSIDE TOTAL	<u>1,954</u>	<u>1,930</u>
BIG BEND 1	413	388
BIG BEND 2	413	388
BIG BEND 3	390	365
BIG BEND 4	443	410
BIG BEND COAL TOTAL	<u>1,660</u>	<u>1,552</u>
BIG BEND CT4	59	58
BIG BEND CT TOTAL	<u>59</u>	<u>58</u>
POLK 1	290	220
POLK 2	163	162
POLK 3	163	162
POLK 4	163	162
POLK 5	163	162
POLK TOTAL	<u>941</u>	<u>867</u>
SYSTEM TOTAL	<u>4,614</u>	<u>4,407</u>

**TAMPA ELECTRIC COMPANY
PERCENT GENERATION BY UNIT
JANUARY 2014 - DECEMBER 2014**

<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	4,301,140	23.07%	23.07%
BAYSIDE	1	3,263,910	17.51%	40.58%
BIG BEND	2	2,484,060	13.33%	53.91%
BIG BEND	3	2,304,460	12.36%	66.27%
BIG BEND	4	2,217,010	11.89%	78.16%
BIG BEND	1	2,014,720	10.81%	88.97%
POLK	1	1,651,170	8.86%	97.83%
POLK	2	136,480	0.73%	98.56%
POLK	3	81,470	0.44%	99.00%
POLK	4	62,790	0.34%	99.34%
POLK	5	37,870	0.20%	99.54%
BIG BEND CT	4	30,170	0.16%	99.70%
BAYSIDE	5	21,850	0.12%	99.82%
BAYSIDE	6	18,330	0.10%	99.92%
BAYSIDE	3	10,750	0.06%	99.97%
BAYSIDE	4	4,920	0.03%	100.00%
TOTAL GENERATION		18,641,100	100.00%	

GENERATION BY COAL UNITS: <u>10,671,420</u> MWH	GENERATION BY NATURAL GAS UNITS: <u>7,969,680</u> MWH
% GENERATION BY COAL UNITS: <u>57.25%</u>	% GENERATION BY NATURAL GAS UNITS: <u>42.75%</u>
GENERATION BY OIL UNITS: <u>-</u> MWH	GENERATION BY GPIF UNITS: <u>18,236,470</u> MWH
% GENERATION BY OIL UNITS: <u>0.00%</u>	% GENERATION BY GPIF UNITS: <u>97.83%</u>

EXHIBIT NO. BSB-2 TAMPA
ELECTRIC COMPANY DOCKET
NO. 20180001-EI
GPIF 2017 FINAL TRUE-UP
DOCUMENT NO. 2

EXHIBIT TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCKET NO. 20180001-EI

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2014 - DECEMBER 2014
TRUE-UP

DOCUMENT NO. 2

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2014 - DECEMBER 2014
TRUE-UP
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**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE - ACTUAL
JANUARY 2014 - DECEMBER 2014**

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+10	14,961.9	7,480.9
+9	13,465.7	6,732.9
+8	11,969.5	5,984.8
+7	10,473.3	5,236.7
+6	8,977.1	4,488.6
+5	7,480.9	3,740.5
+4	5,984.8	2,992.4
+3	4,488.6	2,244.3
+2	2,992.4	1,496.2
+1	1,496.2	748.1
0	0.0	0.0
-1	(1,454.1)	(748.1)
-2	(2,908.1)	(1,496.2)
-3	(4,362.2)	(2,244.3)
-4	(5,816.3)	(2,992.4)
-5	(7,270.4)	(3,740.5)
-6	(8,724.4)	(4,488.6)
-7	(10,178.5)	(5,236.7)
-8	(11,632.6)	(5,984.8)
-9	(13,086.6)	(6,732.9)
-10	(14,540.7)	(7,480.9)



**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS - ACTUAL
JANUARY 2014 - DECEMBER 2014**

Line 1	Beginning of period balance of common equity:		\$	2,039,110,889
	End of month common equity:			
Line 2	Month of January	2014	\$	1,999,992,235
Line 3	Month of February	2014	\$	2,012,739,171
Line 4	Month of March	2014	\$	2,025,528,845
Line 5	Month of April	2014	\$	2,006,784,559
Line 6	Month of May	2014	\$	2,026,674,072
Line 7	Month of June	2014	\$	2,053,782,245
Line 8	Month of July	2014	\$	2,033,251,946
Line 9	Month of August	2014	\$	2,065,800,651
Line 10	Month of September	2014	\$	2,085,758,849
Line 11	Month of October	2014	\$	2,015,623,557
Line 12	Month of November	2014	\$	2,102,938,342
Line 13	Month of December	2014	\$	2,111,163,916
Line 14	(Summation of line 1 through line 13 divided by 13)		\$	2,044,549,944
Line 15	25 Basis points			0.0025
Line 16	Revenue Expansion Factor			61.17%
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)		\$	8,356,562
Line 18	Jurisdictional Sales			18,525,740 MWH
Line 19	Total Sales			18,525,740 MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)			100.00%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)		\$	8,356,562
Line 22	Incentive Cap (50% of projected fuel savings at 10 GPIF-Point level from Sheet No. 3.515)		\$	7,480,950
Line 23	Maximum Allowed GPIF Reward (At 10 GPIF-Point Level; the lesser of line 21 and line 22)		\$	7,480,950

**TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS - ACTUAL
JANUARY 2014 - DECEMBER 2014**

<u>PLANT / UNIT</u>	<u>12 MONTH ADJ. ACTUAL PERFORMANCE</u>		<u>WEIGHTING FACTOR %</u>	<u>UNIT POINTS</u>	<u>WEIGHTED UNIT POINTS</u>
BIG BEND 1	68.2%	EAF	8.03%	10.000	0.803
BIG BEND 2	82.6%	EAF	0.71%	10.000	0.071
BIG BEND 3	77.8%	EAF	4.89%	8.872	0.434
BIG BEND 4	70.3%	EAF	3.06%	10.000	0.306
POLK 1	91.5%	EAF	1.66%	10.000	0.166
BAYSIDE 1	83.5%	EAF	5.89%	-10.000	-0.589
BAYSIDE 2	89.7%	EAF	8.67%	10.000	0.867
BIG BEND 1	10582	ANOHR	13.20%	-0.260	-0.034
BIG BEND 2	10257	ANOHR	11.67%	0.000	0.000
BIG BEND 3	10677	ANOHR	8.77%	0.000	0.000
BIG BEND 4	10290	ANOHR	8.96%	1.481	0.133
POLK 1	10074	ANOHR	5.05%	10.000	0.505
BAYSIDE 1	7298	ANOHR	10.47%	0.000	0.000
BAYSIDE 2	7343	ANOHR	8.99%	0.000	0.000
			100.00%		2.660

GPIF REWARD	\$ 1,990,038
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TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY

EQUIVALENT AVAILABILITY (%)

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>EAF TARGET (%)</u>	<u>EAF MAX. (%)</u>	<u>RANGE MIN. (%)</u>	<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>	<u>EAF ADJUSTED ACTUAL (%)</u>	<u>ACTUAL FUEL SAVINGS/ LOSS (\$000)</u>
BIG BEND 1	8.03%	60.62	65.0	51.8	1,201.3	(428.6)	68.2%	1,201.3
BIG BEND 2	0.71%	74.86	78.9	66.8	106.0	(550.0)	82.6%	106.0
BIG BEND 3	4.89%	74.07	78.3	65.7	732.4	(564.5)	77.8%	649.7
BIG BEND 4	3.06%	62.63	67.4	53.1	457.2	(271.5)	70.3%	457.2
POLK 1	1.66%	83.98	86.4	79.1	248.0	(259.2)	91.5%	248.0
BAYSIDE 1	5.89%	93.98	94.4	93.1	880.8	(341.8)	83.5%	(341.8)
BAYSIDE 2	8.67%	85.78	87.9	81.6	1,296.6	(2,085.3)	89.7%	1,296.6
GPIF SYSTEM	32.90%				4,922.2	(4,501.0)		3,616.9

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>ANOHR (Btu/kwh)</u>	<u>TARGET NOF (%)</u>	<u>ANOHR TARGET RANGE</u>		<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>	<u>ACTUAL ADJUSTED ANOHR</u>	<u>ACTUAL FUEL SAVINGS/ LOSS (\$000)</u>
				<u>MIN.</u>	<u>MAX.</u>				
BIG BEND 1	13.20%	10,501	94.0	10,200	10,802	1,975.3	(1,975.3)	10,582	(51.4)
BIG BEND 2	11.67%	10,271	93.0	10,057	10,485	1,746.0	(1,746.0)	10,257	0.0
BIG BEND 3	8.77%	10,696	82.1	10,523	10,870	1,312.2	(1,312.2)	10,677	0.0
BIG BEND 4	8.96%	10,381	88.3	10,195	10,568	1,340.6	(1,340.6)	10,290	198.6
POLK 1	5.05%	10,506	96.5	10,365	10,647	755.0	(755.0)	10,074	755.0
BAYSIDE 1	10.47%	7,265	60.4	7,142	7,388	1,566.1	(1,566.1)	7,298	0.0
BAYSIDE 2	8.99%	7,368	59.1	7,282	7,454	1,344.6	(1,344.6)	7,343	0.0
GPIF SYSTEM	67.10%					10,039.7	(10,039.7)		902.2

**TAMPA ELECTRIC COMPANY
UNIT PERFORMANCE DATA - ACTUAL
JANUARY 2014 - DECEMBER 2014**

<u>PLANT / UNIT</u>	<u>ACTUAL EAF (%)</u>	<u>ADJUSTMENTS (1) TO EAF (%)</u>	<u>EAF ADJUSTED ACTUAL (%)</u>
BIG BEND 1	83.5	-15.3	68.2
BIG BEND 2	81.0	1.6	82.6
BIG BEND 3	79.0	-1.2	77.8
BIG BEND 4	68.1	2.2	70.3
POLK 1	91.7	-0.2	91.5
BAYSIDE 1	82.3	1.2	83.5
BAYSIDE 2	89.6	0.1	89.7

<u>PLANT / UNIT</u>	<u>ACTUAL ANOHR (Btu/kwh)</u>	<u>ADJUSTMENTS (2) TO ANOHR (Btu/kwh)</u>	<u>ANOHR ADJUSTED ACTUAL (Btu/kwh)</u>
BIG BEND 1	10620	-38	10582
BIG BEND 2	10294	-37	10257
BIG BEND 3	10370	307	10677
BIG BEND 4	10226	64	10290
POLK 1	10154	-80	10074
BAYSIDE 1	7328	-30	7298
BAYSIDE 2	7383	-40	7343

(1) Documentation of adjustments to Actual EAF on pages 7 - 13

(2) Documentation of adjustments to Actual ANOHR on pages 14 - 20

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 1
JANUARY 2014 - DECEMBER 2014**

WEIGHTING FACTOR = 8.03%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	60.6	83.5	68.2
POH	2017.0	493.9	2017.0
FOH + EFOH	1390.0	686.2	559.8
MOH + EMOH	42.5	262.6	214.2
POF	23.0	5.6	23.0
EFOF	15.9	7.8	6.4
EMOF	0.5	3.0	2.4
	10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 2017}{8760 - 493.9} \times (686.2 + 262.6) = 774.0$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 23 - \frac{774.0}{8760.0} \times 100 = 68.2$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 2
JANUARY 2014 - DECEMBER 2014**

WEIGHTING FACTOR = 0.71%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	74.9	81.0	82.6
POH	577.0	735.9	577.0
FOH + EFOH	1278.5	806.5	822.5
MOH + EMOH	346.8	122.5	124.9
POF	6.6	8.4	6.6
EFOF	14.6	9.2	9.4
EMOF	4.0	1.4	1.4
	10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 577}{8760 - 735.9} \times (806.5 + 122.5) = 947.4$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 6.6 - \frac{947.4}{8760.0} \times 100 = 82.6$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 3
JANUARY 2014 - DECEMBER 2014**

WEIGHTING FACTOR = 4.89%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	74.1	79.0	77.8
POH	575.0	449.0	575.0
FOH + EFOH	1064.0	1322.9	1302.8
MOH + EMOH	632.2	64.6	63.6
POF	6.6	5.1	6.6
EFOF	12.1	15.1	14.9
EMOF	7.2	0.7	0.7
	8.872	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 575}{8760 - 449} \times (1322.9 + 64.6) = 1366.5$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 6.6 - \frac{1366.5}{8760.0} \times 100 = 77.8$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 4
JANUARY 2014 - DECEMBER 2014**

WEIGHTING FACTOR = 3.06%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	62.6	68.1	70.3
POH	1584.0	1813.2	1584.0
FOH + EFOH	1437.9	663.4	685.3
MOH + EMOH	251.6	321.4	332.0
POF	18.1	20.7	18.1
EFOF	16.4	7.6	7.8
EMOF	2.9	3.7	3.8
	10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 1584}{8760 - 1813.2} \times (663.4 + 321.4) = 1017.3$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 18.1 - \frac{1017.3}{8760.0} \times 100 = 70.3$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
POLK UNIT NO. 1
JANUARY 2014 - DECEMBER 2014**

WEIGHTING FACTOR = 1.66%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	84.0	91.7	91.5
POH	455.0	437.7	455.0
FOH + EFOH	656.3	288.9	288.3
MOH + EMOH	292.2	3.0	3.0
POF	5.2	5.0	5.2
EFOF	7.5	3.3	3.3
EMOF	3.3	0.0	0.0
	10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 455}{8760 - 437.7} \times (288.9 + 3) = 291.3$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 5.2 - \frac{291.3}{8760.0} \times 100 = 91.5$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BAYSIDE UNIT NO. 1
JANUARY 2014 - DECEMBER 2014**

WEIGHTING FACTOR = 5.89%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	94.0	82.3	83.5
POH	432.0	539.7	432.0
FOH + EFOH	17.9	531.7	538.7
MOH + EMOH	77.4	475.3	481.5
POF	4.9	6.2	4.9
EFOF	0.2	6.1	6.1
EMOF	0.9	5.4	5.5
	-10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 432}{8760 - 539.7} \times (531.7 + 475.3) = 1020.2$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 4.9 - \frac{1020.2}{8760.0} \times 100 = 83.5$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BAYSIDE UNIT NO. 2
JANUARY 2014 - DECEMBER 2014

WEIGHTING FACTOR = 8.67%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	85.8	89.6	89.7
POH	432.0	436.3	432.0
FOH + EFOH	686.9	179.1	179.2
MOH + EMOH	126.9	293.8	294.0
POF	4.9	5.0	4.9
EFOF	7.8	2.0	2.0
EMOF	1.4	3.4	3.4
	10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 432}{8760 - 436.3} \times (179.1 + 293.8) = 473.1$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 4.9 - \frac{473.1}{8760.0} \times 100 = 89.7$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 1
JANUARY 2014 - DECEMBER 2014**

WEIGHTING FACTOR = 13.20%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10501	10620
NET GENERATION (GWH)	2014.7	2630.0
OPERATING BTU (10 ⁹)	20306.4	27931.7
NET OUTPUT FACTOR	94.0	86.1

-0.260 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-4.81) + 10952.91 = \text{ANOHR}$

$86.1 * (-4.81) + 10952.91 = 10539$

$10620 - 10539 = 81$

$10501 + 81 = 10582$ ← ADJUSTED ACTUAL
HEAT RATE AT
TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
 ADJUSTMENTS TO HEAT RATE
 BIG BEND UNIT NO. 2
 JANUARY 2014 - DECEMBER 2014**

WEIGHTING FACTOR = 11.67%

	12 MONTH TARGET	12 MONTH ACTUAL PERFORMANCE
ANOHR (Btu/kwh)	10271	10294
NET GENERATION (GWH)	2484.1	2566.1
OPERATING BTU (10 ⁹)	25398.0	26416.1
NET OUTPUT FACTOR	93.0	90.2

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-13.11) + 11490.64 = \text{ANOHR}$

$90.2 * (-13.11) + 11490.64 = 10308$

10294 - 10308 = -14

10271 + -14 = 10257 ← ADJUSTED ACTUAL
 HEAT RATE AT
 TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE
 NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 3
JANUARY 2014 - DECEMBER 2014**

WEIGHTING FACTOR = 8.77%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10696	10370
NET GENERATION (GWH)	2304.5	2573.5
OPERATING BTU (10 ⁹)	24508.4	26686.5
NET OUTPUT FACTOR	82.1	93.9

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-25.96) + 12827.1 = \text{ANOHR}$

$93.9 * (-25.96) + 12827.1 = 10389$

$10370 - 10389 = -19$

$10696 + (-19) = 10677$ ← ADJUSTED ACTUAL
HEAT RATE AT
TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 4
JANUARY 2014 - DECEMBER 2014**

WEIGHTING FACTOR = 8.96%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10381	10226
NET GENERATION (GWH)	2217.0	2346.9
OPERATING BTU (10 ⁹)	22686.8	24000.3
NET OUTPUT FACTOR	88.3	91.9

1.481 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-17.8) + 11953.28 = \text{ANOHR}$

$91.9 * (-17.8) + 11953.28 = 10318$

$10226 - 10318 = -92$

$10381 + -92 = 10290$ ← ADJUSTED ACTUAL
HEAT RATE AT
TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
POLK UNIT NO. 1
JANUARY 2014 - DECEMBER 2014**

WEIGHTING FACTOR = 5.05%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10506	10154
NET GENERATION (GWH)	1651.2	1638.2
OPERATING BTU (10 ⁹)	16778.6	16633.8
NET OUTPUT FACTOR	96.5	95.9

10.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-132.18) + 23262.1 = \text{ANOHR}$

$95.9 * (-132.18) + 23262.1 = 10587$

10154 - 10587 = -433

10506 + -433 = 10074 ← ADJUSTED ACTUAL
HEAT RATE AT
TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BAYSIDE UNIT NO. 1
JANUARY 2014 - DECEMBER 2014**

WEIGHTING FACTOR = 10.47%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7265	7328
NET GENERATION (GWH)	3263.9	2664.4
OPERATING BTU (10 ⁹)	23860.8	19525.0
NET OUTPUT FACTOR	60.4	56.6

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-4.81) + 10952.91 = \text{ANOHR}$

$$56.6 * (-7.98) + 7747.05 = 7295$$

$$7328 - 7295 = 33$$

$$7265 + 33 = 7298 \quad \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BAYSIDE UNIT NO. 2
JANUARY 2014 - DECEMBER 2014**

WEIGHTING FACTOR = 8.99%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7368	7383
NET GENERATION (GWH)	4301.1	4112.5
OPERATING BTU (10 ⁹)	31411.4	30360.8
NET OUTPUT FACTOR	59.1	52.4

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-4.81) + 10952.91 = ANOHR$

$$52.4 * (-5.85) + 7714.3 = 7408$$

$$7383 - 7408 = -25$$

$$7368 + -25 = 7343 \quad \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

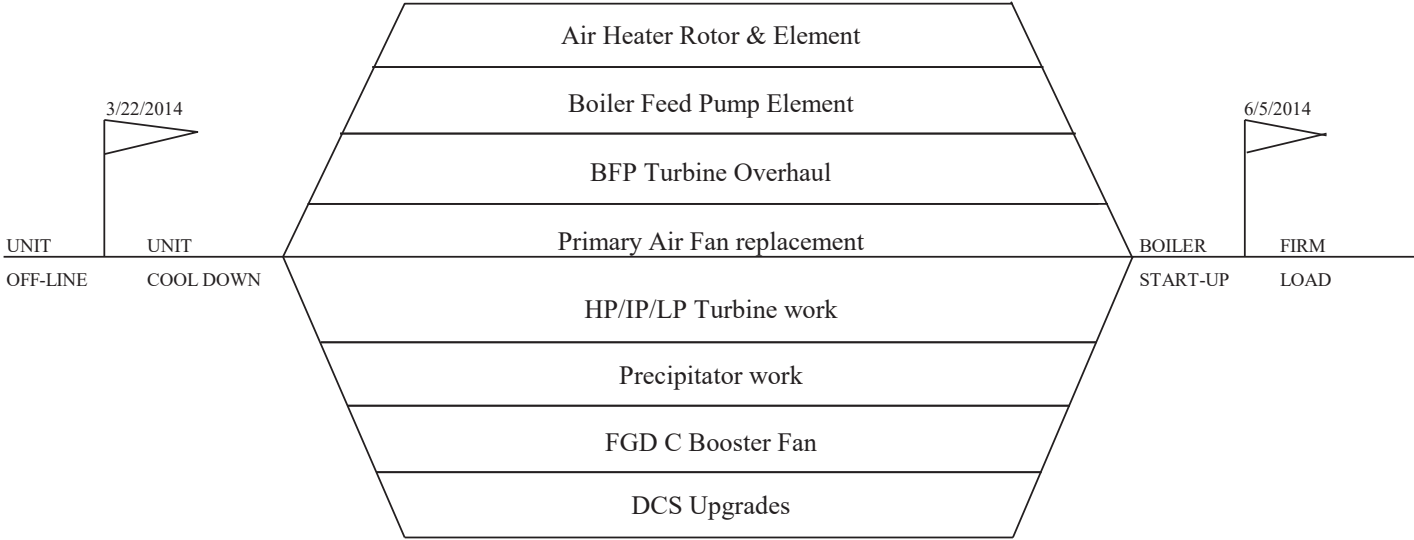
ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ACTUAL)
GPIF UNITS
JANUARY 2014 - DECEMBER 2014**

PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DESCRIPTION
BIG BEND 1	Feb 15 - Mar 01 Sep 22 - Sep 29	Fuel System Cleanup and FGD/SCR work FGD Tower Maintenance
BIG BEND 2	Feb 14 - Mar 11 Sep 23 - Sep 28	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
BIG BEND 3	Mar 11 - Mar 22 Oct 01 - Oct 08	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
+ BIG BEND 4	Mar 22 - Jun 05	Air Heater Rotor & Element, Boiler Feed Pump Element, Burner Assembly & Coal Nozzles, Coal Feeder Replacement, Cooling Tower Replacement, DCS Upgrades, FGD C Booster Fan, FGD Tower Lined Piping, Finishing Reheater Replacement, BFP Turbine Overhaul, HP/IP/LP Turbine work, Precipitator work, Primary Air Fan replacement
POLK 1	Mar 02 - Mar 16 Aug 24 - Aug 28	Gasifier & Power Block Outage Gasifier Outage
BAYSIDE 1	Feb 09 - Feb 12 Nov 29 - Dec 18	Fuel System Cleanup Fuel System Cleanup
BAYSIDE 2	Mar 10 - Mar 19 Nov 14 - Nov 24	Fuel System Cleanup Fuel System Cleanup

+ 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 2014 - DECEMBER 2014**



TAMPA ELECTRIC COMPANY
BIG BEND UNIT 4
PLANNED OUTAGE 2014
ACTUAL CPM

**TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2014 - DECEMBER 2014**

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TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2014 - DECEMBER 2014

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,201.3	65.0	+10	1,975.3	10,200
+9	1,081.2	64.6	+9	1,777.7	10,223
+8	961.0	64.2	+8	1,580.2	10,245
+7	840.9	63.7	+7	1,382.7	10,268
+6	720.8	63.3	+6	1,185.2	10,290
+5	600.6	62.8	+5	987.6	10,313
+4	480.5	62.4	+4	790.1	10,336
+3	360.4	61.9	+3	592.6	10,358
+2	240.3	61.5	+2	395.1	10,381
+1	120.1	61.1	+1	197.5	10,404
0	0.0	60.6	0	0.0	10,426
-1	(42.9)	59.7	-1	(197.5)	10,501
-2	(85.7)	58.9	-2	(395.1)	10,576
-3	(128.6)	58.0	-3	(592.6)	10,599
-4	(171.4)	57.1	-4	(790.1)	10,621
-5	(214.3)	56.2	-5	(987.6)	10,644
-6	(257.2)	55.3	-6	(1,185.2)	10,667
-7	(300.0)	54.4	-7	(1,382.7)	10,689
-8	(342.9)	53.5	-8	(1,580.2)	10,712
-9	(385.7)	52.7	-9	(1,777.7)	10,734
-10	(428.6)	51.8	-10	(1,975.3)	10,757

Weighting Factor =

8.03%

Weighting Factor =

13.20%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2014 - DECEMBER 2014

BIG BEND 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	106.0	78.9	+10	1,746.0	10,057
+9	95.4	78.5	+9	1,571.4	10,071
+8	84.8	78.1	+8	1,396.8	10,085
+7	74.2	77.7	+7	1,222.2	10,099
+6	63.6	77.3	+6	1,047.6	10,113
+5	53.0	76.9	+5	873.0	10,127
+4	42.4	76.5	+4	698.4	10,140
+3	31.8	76.1	+3	523.8	10,154
+2	21.2	75.7	+2	349.2	10,168
+1	10.6	75.3	+1	174.6	10,182
0	0.0	74.9	0	0.0	10,196
-1	(55.0)	74.1	-1	(174.6)	10,271
-2	(110.0)	73.2	-2	(349.2)	10,346
-3	(165.0)	72.4	-3	(523.8)	10,360
-4	(220.0)	71.6	-4	(698.4)	10,374
-5	(275.0)	70.8	-5	(873.0)	10,388
-6	(330.0)	70.0	-6	(1,047.6)	10,401
-7	(385.0)	69.2	-7	(1,222.2)	10,415
-8	(440.0)	68.4	-8	(1,396.8)	10,429
-9	(495.0)	67.6	-9	(1,571.4)	10,443
-10	(550.0)	66.8	-10	(1,746.0)	10,457
					10,471
					10,485

Weighting Factor =

0.71%

Weighting Factor =

11.67%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2014 - DECEMBER 2014

BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	732.4	78.3	+10	1,312.2	10,523
+9	659.1	77.9	+9	1,181.0	10,533
+8	585.9	77.4	+8	1,049.7	10,542
+7	512.7	77.0	+7	918.5	10,552
+6	439.4	76.6	+6	787.3	10,562
+5	366.2	76.2	+5	656.1	10,572
+4	292.9	75.8	+4	524.9	10,582
+3	219.7	75.3	+3	393.7	10,592
+2	146.5	74.9	+2	262.4	10,602
+1	73.2	74.5	+1	131.2	10,611
0	0.0	74.1	0	0.0	10,621
-1	(56.5)	73.2	-1	(131.2)	10,696
-2	(112.9)	72.4	-2	(262.4)	10,771
-3	(169.4)	71.6	-3	(393.7)	10,781
-4	(225.8)	70.7	-4	(524.9)	10,791
-5	(282.3)	69.9	-5	(656.1)	10,801
-6	(338.7)	69.0	-6	(787.3)	10,811
-7	(395.2)	68.2	-7	(918.5)	10,821
-8	(451.6)	67.4	-8	(1,049.7)	10,831
-9	(508.1)	66.5	-9	(1,181.0)	10,840
-10	(564.5)	65.7	-10	(1,312.2)	10,850

Weighting Factor =

4.89%

Weighting Factor =

8.77%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2014 - DECEMBER 2014

BIG BEND 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	457.2	67.4	+10	1,340.6	10,195
+9	411.5	66.9	+9	1,206.5	10,206
+8	365.8	66.4	+8	1,072.5	10,217
+7	320.1	66.0	+7	938.4	10,229
+6	274.3	65.5	+6	804.3	10,240
+5	228.6	65.0	+5	670.3	10,251
+4	182.9	64.5	+4	536.2	10,262
+3	137.2	64.1	+3	402.2	10,273
+2	91.4	63.6	+2	268.1	10,284
+1	45.7	63.1	+1	134.1	10,295
0	0.0	62.6	0	0.0	10,306
-1	(27.2)	61.7	-1	(134.1)	10,381
-2	(54.3)	60.7	-2	(268.1)	10,456
-3	(81.5)	59.8	-3	(402.2)	10,468
-4	(108.6)	58.8	-4	(536.2)	10,479
-5	(135.8)	57.9	-5	(670.3)	10,490
-6	(162.9)	56.9	-6	(804.3)	10,501
-7	(190.1)	56.0	-7	(938.4)	10,512
-8	(217.2)	55.0	-8	(1,072.5)	10,523
-9	(244.4)	54.1	-9	(1,206.5)	10,534
-10	(271.5)	53.1	-10	(1,340.6)	10,546

Weighting Factor =

3.06%

Weighting Factor =

8.96%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2014 - DECEMBER 2014

POLK 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	248.0	86.4	+10	755.0	10,365
+9	223.2	86.2	+9	679.5	10,372
+8	198.4	85.9	+8	604.0	10,379
+7	173.6	85.7	+7	528.5	10,385
+6	148.8	85.4	+6	453.0	10,392
+5	124.0	85.2	+5	377.5	10,398
+4	99.2	84.9	+4	302.0	10,405
+3	74.4	84.7	+3	226.5	10,412
+2	49.6	84.5	+2	151.0	10,418
+1	24.8	84.2	+1	75.5	10,425
0	0.0	84.0	0	0.0	10,506
-1	(25.9)	83.5	-1	(75.5)	10,588
-2	(51.8)	83.0	-2	(151.0)	10,595
-3	(77.8)	82.5	-3	(226.5)	10,601
-4	(103.7)	82.0	-4	(302.0)	10,608
-5	(129.6)	81.6	-5	(377.5)	10,614
-6	(155.5)	81.1	-6	(453.0)	10,621
-7	(181.5)	80.6	-7	(528.5)	10,627
-8	(207.4)	80.1	-8	(604.0)	10,634
-9	(233.3)	79.6	-9	(679.5)	10,641
-10	(259.2)	79.1	-10	(755.0)	10,647

Weighting Factor =

1.66%

Weighting Factor =

5.05%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
JANUARY 2014 - DECEMBER 2014

BAYSIDE 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	880.8	94.4	+10	1,566.1	7,142
+9	792.8	94.4	+9	1,409.5	7,147
+8	704.7	94.4	+8	1,252.9	7,152
+7	616.6	94.3	+7	1,096.3	7,156
+6	528.5	94.3	+6	939.6	7,161
+5	440.4	94.2	+5	783.0	7,166
+4	352.3	94.2	+4	626.4	7,171
+3	264.3	94.1	+3	469.8	7,176
+2	176.2	94.1	+2	313.2	7,180
+1	88.1	94.0	+1	156.6	7,185
0	0.0	94.0	0	0.0	7,190
-1	(34.2)	93.9	-1	(156.6)	7,265
-2	(68.4)	93.8	-2	(313.2)	7,340
-3	(102.5)	93.7	-3	(469.8)	7,345
-4	(136.7)	93.6	-4	(626.4)	7,350
-5	(170.9)	93.5	-5	(783.0)	7,354
-6	(205.1)	93.4	-6	(939.6)	7,359
-7	(239.3)	93.3	-7	(1,096.3)	7,364
-8	(273.5)	93.2	-8	(1,252.9)	7,374
-9	(307.6)	93.2	-9	(1,409.5)	7,378
-10	(341.8)	93.1	-10	(1,566.1)	7,383

← **EA
POINTS
-10.000**

**Adjusted
EAF
83.5** →

← **AHR
POINTS
0.000**

**Adjusted
ANOHR
7,298** →

Weighting Factor =

5.89%

Weighting Factor =

10.47%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
JANUARY 2014 - DECEMBER 2014

BAYSIDE 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,296.6	87.9	+10	1,344.6	7,282
+9	1,166.9	87.7	+9	1,210.1	7,283
+8	1,037.2	87.5	+8	1,075.7	7,285
+7	907.6	87.3	+7	941.2	7,286
+6	777.9	87.0	+6	806.8	7,287
+5	648.3	86.8	+5	672.3	7,288
+4	518.6	86.6	+4	537.8	7,289
+3	389.0	86.4	+3	403.4	7,290
+2	259.3	86.2	+2	268.9	7,291
+1	129.7	86.0	+1	134.5	7,292
0	0.0	85.8	0	0.0	7,293
-1	(208.5)	85.4	-1	(134.5)	7,444
-2	(417.1)	84.9	-2	(268.9)	7,445
-3	(625.6)	84.5	-3	(403.4)	7,446
-4	(834.1)	84.1	-4	(537.8)	7,448
-5	(1,042.6)	83.7	-5	(672.3)	7,449
-6	(1,251.2)	83.3	-6	(806.8)	7,450
-7	(1,459.7)	82.8	-7	(941.2)	7,451
-8	(1,668.2)	82.4	-8	(1,075.7)	7,452
-9	(1,876.7)	82.0	-9	(1,210.1)	7,453
-10	(2,085.3)	81.6	-10	(1,344.6)	7,454

Weighting Factor =

8.67%

Weighting Factor =

8.99%

TAMPA ELECTRIC COMPANY
COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 14 - DEC 14			ACTUAL PERFORMANCE JAN 14 - DEC 14		
			POF	EUOF	EUOR	POF	EUOF	EUOR
BIG BEND 1	8.03%	24.4%	23.0	16.4	21.2	5.6	10.8	11.5
BIG BEND 2	0.71%	2.2%	6.6	18.6	19.9	8.4	10.6	11.6
BIG BEND 3	4.89%	14.9%	6.6	19.4	20.7	5.1	15.8	16.7
BIG BEND 4	3.06%	9.3%	18.1	19.3	23.5	20.7	11.2	14.2
POLK 1	1.66%	5.0%	5.2	10.8	11.4	5.0	3.3	3.5
BAYSIDE 1	5.89%	17.9%	4.9	1.1	1.1	6.2	11.5	12.2
BAYSIDE 2	8.67%	26.3%	4.9	9.3	9.8	5.0	5.4	5.7
GPIF SYSTEM	32.9%	100.0%	10.9	12.2	14.2	6.9	9.9	10.7
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)			76.9			83.2		
			3 PERIOD AVERAGE			3 PERIOD AVERAGE		
			POF EUOF EUOR			POF EUOF EUOR		
			10.9 12.2 14.2			76.9		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET	ADJUSTED
			HEAT RATE JAN 14 - DEC 14	ACTUAL HEAT RATE JAN 14 - DEC 14
BIG BEND 1	13.20%	19.7%	10,501	10,582
BIG BEND 2	11.67%	17.4%	10,271	10,257
BIG BEND 3	8.77%	13.1%	10,696	10,677
BIG BEND 4	8.96%	13.4%	10,381	10,290
POLK 1	5.05%	7.5%	10,506	10,074
BAYSIDE 1	10.47%	15.6%	7,265	7,298
BAYSIDE 2	8.99%	13.4%	7,368	7,343
GPIF SYSTEM	67.1%	100.0%		
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)			9,547	9,515

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
JANUARY 2014 - DECEMBER 2014**

Points are calculated according to the formula:

$$GPIP = \sum_{i=1}^n [a_i(EAP_i) + e_i(AHRP_i)]$$

Where:

GPIP = Generating performance incentive points

a_i = Percentage of total system fuel cost reduction attributed to maximum reasonably attainable equivalent availability of unit i during the period

e_i = Percentage of total system fuel cost reduction attributed to minimum reasonably attainable average heat rate of unit i during the period

EAP_i = Equivalent availability points awarded/deducted for unit i

AHRP_i = Average heat rate points awarded/deducted for unit i

Weighting factors and point values are listed on page 4.

<i>GPIP</i> =	8.03%	*	(BB 1 EAP)	+	0.71%	*	(BB 2 EAP)	+	4.89%	*	(BB 3 EAP)	
	+	3.06%	*	(BB 4 EAP)	+	1.66%	*	(PK 1 EAP)	+	5.89%	*	(BAY 1 EAP)
	+	8.67%	*	(BAY 2 EAP)	+	13.20%	*	(BB 1 AHRP)	+	11.67%	*	(BB 2 AHRP)
	+	8.77%	*	(BB 3 AHRP)	+	8.96%	*	(BB 4 AHRP)	+	5.05%	*	(PK 1 AHRP)
	+	10.47%	*	(BAY 1 AHRP)	+	8.99%	*	(BAY 2 AHRP)				

<i>GPIP</i> =	8.03%	*	10.000	+	0.71%	*	10.000	+	4.89%	*	8.872	
	+	3.06%	*	10.000	+	1.66%	*	10.000	+	5.89%	*	-10.000
	+	8.67%	*	10.000	+	13.20%	*	-0.260	+	11.67%	*	0.000
	+	8.77%	*	0.000	+	8.96%	*	1.481	+	5.05%	*	10.000
	+	10.47%	*	0.000	+	8.99%	*	0.000				

<i>GPIP</i> =	0.803	+	0.071	+	0.434	
	+	0.306	+	0.166	+	-0.589
	+	0.867	+	-0.034	+	0.000
	+	0.000	+	0.133	+	0.505
	+	0.000	+	0.000		

GPIP = 2.660 POINTS

REWARD/PENALTY dollar amounts of the Generating Performance Incentive Factor (GPIF) are determined directly from the table for the corresponding Generating Performance Points (GPIP) on page 2.

GPIF PENALTY = \$1,990,038

ORIGINAL SHEET NO. 8.401.14A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2014 - DECEMBER 2014

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 14	FEB 14	MAR 14	APR 14	MAY 14	JUN 14	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	2014
1. EAF (%)	82.1	46.8	80.9	91.1	78.2	94.6	84.5	88.1	66.6	98.7	93.0	94.4	83.5
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	652.7	338.9	688.6	720.0	615.4	720.0	692.3	705.3	566.4	744.0	701.7	730.5	7,875.9
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	91.3	333.1	54.4	0.0	128.6	0.0	51.7	38.7	153.6	0.0	19.3	13.5	884.1
6. POH	0.0	333.1	7.3	0.0	0.0	0.0	0.0	0.0	153.6	0.0	0.0	0.0	493.9
7. FOH	22.5	0.0	0.0	0.0	128.6	0.0	51.7	0.0	0.0	0.0	19.3	13.5	235.6
8. MOH	68.7	0.0	47.2	0.0	0.0	0.0	0.0	38.7	0.0	0.0	0.0	0.0	154.6
9. PFOH	392.9	298.9	588.1	689.7	371.8	622.9	672.6	485.4	376.1	187.9	129.7	460.5	5,276.7
10. LR PF (MW)	37.9	29.9	58.8	30.1	33.1	21.1	33.7	27.8	45.6	18.2	32.9	20.3	33.2
11. PMOH	12.1	4.6	0.4	22.5	5.5	14.3	15.3	29.8	173.9	2.8	53.8	11.7	346.6
12. LR PM (MW)	128.0	136.4	0.0	171.3	117.2	123.4	116.4	194.5	93.3	63.5	144.1	151.8	121.0
13. NSC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.1
14. OPR BTU(GBTU)	2,255.7	1,225.9	2,417.4	2,600.5	2,275.6	2,627.0	2,449.1	2,543.2	1,914.5	2,605.6	2,392.4	2,624.9	27,931.6772
15. NET GEN (MWH)	215,512	118,258	228,305	241,047	215,829	251,586	228,371	237,825	175,948	244,428	224,701	248,184	2,629,994
16. ANOHR (BTU/KWH)	10,466.5	10,366.0	10,588.7	10,788.4	10,543.5	10,441.6	10,724.3	10,693.6	10,880.9	10,659.8	10,647.1	10,576.4	10,620.0
17. NOF (%)	83.6	88.3	83.9	87.0	91.1	90.8	85.7	87.6	80.7	85.3	83.2	86.0	86.1
18. NPC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
19. ANOHR EQUATION	ANOHR = NOF(-4.808)+ 10,953												

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ORIGINAL SHEET NO. 8.401.14A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2014 - DECEMBER 2014

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 14	FEB 14	MAR 14	APR 14	MAY 14	JUN 14	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	2014
1. EAF (%)	98.5	46.6	33.2	98.5	96.5	69.1	89.0	91.0	79.4	81.8	88.0	97.2	81.0
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	744.0	317.0	258.9	715.3	740.3	540.4	667.5	712.3	599.1	652.1	646.2	744.0	7,337.0
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	0.0	355.0	484.1	4.7	3.8	179.6	76.5	31.7	120.9	91.9	74.8	0.0	1,423.0
6. POH	0.0	355.0	260.0	0.0	0.0	0.0	0.0	0.0	120.9	0.0	0.0	0.0	735.9
7. FOH	0.0	0.0	224.1	4.7	3.8	179.6	76.5	0.0	0.0	91.9	74.8	0.0	655.4
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.7	0.0	0.0	0.0	0.0	31.7
9. PFOH	129.8	5.6	198.3	49.6	226.6	430.1	38.4	126.9	352.8	79.8	83.2	225.4	1,946.5
10. LR PF (MW)	24.9	61.6	24.9	6.8	29.5	35.7	11.4	65.8	24.5	76.3	21.8	10.9	30.2
11. PMOH	10.3	9.4	0.0	16.2	14.8	11.3	11.5	27.0	9.3	87.2	74.4	44.9	316.4
12. LR PM (MW)	115.8	136.1	0.0	122.8	124.5	110.5	145.0	193.3	191.9	120.4	37.2	127.9	111.4
13. NSC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	387.8
14. OPR BTU(GBTU)	2,820.4	1,104.3	1,001.4	2,718.0	2,719.3	1,872.4	2,482.3	2,583.2	2,148.7	2,124.0	2,191.4	2,650.7	26,416.0946
15. NET GEN (MWH)	277,430	113,981	89,768	265,772	264,251	180,418	241,129	246,063	208,435	208,148	213,546	257,146	2,566,087
16. ANOHR (BTU/KWH)	10,166.3	9,688.5	11,155.5	10,226.9	10,290.6	10,378.1	10,294.6	10,498.0	10,309.0	10,204.3	10,261.8	10,308.0	10,294.0
17. NOF (%)	94.4	91.0	87.8	96.5	92.7	86.7	93.8	89.7	90.4	82.9	85.8	87.5	90.2
18. NPC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
19. ANOHR EQUATION	ANOHR = NOF(-13.110) + 11,491												

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ORIGINAL SHEET NO. 8.401.14A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2014 - DECEMBER 2014

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 14	FEB 14	MAR 14	APR 14	MAY 14	JUN 14	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	2014
1. EAF (%)	98.2	98.4	30.1	32.5	98.1	99.9	90.4	96.0	84.3	73.2	85.7	64.0	79.0
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	732.0	665.0	241.4	234.6	734.8	720.0	697.4	744.0	691.0	571.7	623.2	527.3	7,182.4
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	12.0	7.0	501.6	485.4	9.2	0.0	46.6	0.0	29.0	172.3	97.8	216.7	1,577.6
6. POH	0.0	0.0	276.7	0.0	0.0	0.0	0.0	0.0	0.0	172.3	0.0	0.0	449.0
7. FOH	12.0	0.0	225.0	485.4	9.2	0.0	46.6	0.0	29.0	0.0	76.6	216.7	1,100.5
8. MOH	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.2	0.0	28.1
9. PFOH	3.7	0.0	141.8	5.5	51.1	15.2	607.6	695.6	681.0	38.3	4.7	293.4	2,537.9
10. LR PF (MW)	34.8	0.0	45.9	13.2	19.0	17.4	13.9	14.3	47.0	149.9	147.1	67.4	33.3
11. PMOH	4.4	15.4	0.0	2.3	8.9	3.0	14.7	15.8	10.0	32.1	14.1	2.9	123.8
12. LR PM (MW)	77.1	85.2	0.0	107.6	96.3	0.0	83.0	110.8	126.0	151.8	99.7	203.2	112.1
13. NSC (MW)	365.0	365.0	365.0	365.0	365.0	365.0	395.0	395.0	395.0	395.0	395.0	400.0	381.5
14. OPR BTU(GBTU)	2,861.5	2,604.1	857.0	888.4	2,852.3	2,802.2	2,662.1	2,829.3	2,422.1	1,913.1	2,197.7	1,796.7	26,686.4697
15. NET GEN (MWH)	274,889	246,362	81,387	85,654	277,407	272,116	256,359	276,624	230,785	188,692	212,220	170,967	2,573,462
16. ANOHR BTU/KWH	10,409.7	10,570.1	10,529.4	10,372.2	10,282.1	10,297.9	10,384.2	10,227.8	10,495.0	10,138.7	10,355.8	10,509.3	10,370.0
17. NOF (%)	102.9	101.5	92.4	100.0	103.4	103.5	93.1	94.1	84.6	83.6	86.2	81.1	93.9
18. NPC (MW)	365.0	365.0	365.0	365.0	365.0	365.0	395.0	395.0	395.0	395.0	395.0	400.0	380.4
19. ANOHR EQUATION	ANOHR = NOF(-25.960) + 12,827												

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ORIGINAL SHEET NO. 8.401.14A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2014 - DECEMBER 2014

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 14	FEB 14	MAR 14	APR 14	MAY 14	JUN 14	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	2014
1. EAF (%)	68.6	94.5	60.9	0.0	0.0	74.0	89.0	93.0	75.4	70.5	96.0	96.4	68.1
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	516.1	670.2	503.3	0.0	0.0	569.0	671.8	701.9	602.0	538.7	721.0	722.6	6,216.7
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. UH	227.9	1.8	239.7	720.0	744.0	151.0	72.2	42.1	118.0	205.3	0.0	21.4	2,543.3
6. POH	0.0	0.0	239.7	720.0	744.0	109.5	0.0	0.0	0.0	0.0	0.0	0.0	1,813.2
7. FOH	42.9	1.8	0.0	0.0	0.0	41.4	0.0	42.1	118.0	205.3	0.0	0.0	451.5
8. MOH	185.0	0.0	0.0	0.0	0.0	0.0	72.2	0.0	0.0	0.0	0.0	21.4	278.6
9. PFOH	21.1	591.6	502.9	0.0	0.0	176.8	30.4	52.7	277.1	19.5	139.2	39.7	1,851.0
10. LR PF (MW)	65.5	25.0	42.0	0.0	0.0	73.0	56.6	35.7	74.5	120.5	66.2	24.0	47.0
11. PMOH	3.5	2.5	0.5	0.0	0.0	16.8	31.8	19.7	16.9	25.9	35.2	8.7	161.5
12. LR PM (MW)	254.8	0.0	0.0	0.0	0.0	115.3	65.0	108.7	197.7	134.5	71.8	134.4	108.7
13. NSC (MW)	417.0	417.0	417.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	417.0	410.9
14. OPR BTU(GBTU)	2,106.3	2,634.4	1,882.2	0.0	77.2	2,123.4	2,743.4	2,936.8	2,157.4	1,871.7	2,636.9	2,830.7	24,000.2510
15. NET GEN (MWH)	197,571	254,435	183,838	0	-6	213,862	271,121	289,694	212,510	183,217	258,522	282,105	2,346,869
16. ANOHR BTU/KWH	10,661.1	10,354.0	10,238.2	0.0	0.0	9,929.0	10,118.7	10,137.5	10,151.8	10,215.6	10,199.9	10,034.0	10,226.0
17. NOF (%)	91.8	91.0	87.6	0.0	0.0	92.3	99.2	101.4	86.7	83.6	88.1	93.6	91.9
18. NPC (MW)	417.0	417.0	417.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	417.0	410.3
19. ANOHR EQUATION	ANOHR = NOF(-17.797) + 11,953												

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ORIGINAL SHEET NO. 8.401.14A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2014 - DECEMBER 2014

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 14	FEB 14	MAR 14	APR 14	MAY 14	JUN 14	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	2014
1. EAF (%)	99.1	99.3	49.6	100.0	99.0	99.4	100.0	87.2	100.0	99.3	98.8	70.1	91.7
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	740.0	667.1	352.2	720.0	736.2	715.8	744.0	648.7	720.0	722.7	534.4	462.2	7,763.4
4. RSH	0.0	0.0	29.2	0.0	0.0	0.0	0.0	0.0	0.0	15.8	177.6	59.6	282.3
5. UH	4.0	4.9	361.6	0.0	7.8	4.2	0.0	95.3	0.0	5.5	8.9	222.2	714.3
6. POH	0.0	0.0	344.5	0.0	0.0	0.0	0.0	93.2	0.0	0.0	0.0	0.0	437.7
7. FOH	4.0	4.9	17.2	0.0	7.8	1.2	0.0	2.1	0.0	5.5	8.9	222.2	273.7
8. MOH	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
9. PFOH	7.9	0.0	34.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.3
10. LR PF (MW)	75.0	0.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.1
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. NSC (MW)	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
14. OPR BTU(GBTU)	1,589.9	1,522.7	627.8	1,510.4	1,643.2	1,518.9	1,576.9	1,286.9	1,525.2	1,672.3	1,175.9	983.5	16,633.7691
15. NET GEN (MWH)	154,691	142,759	59,400	157,209	158,225	151,578	160,260	129,592	159,725	163,319	105,393	96,017	1,638,168
16. ANOHR BTU/KWH	10,278.0	10,666.4	10,568.4	9,607.8	10,385.4	10,020.8	9,839.7	9,930.7	9,548.9	10,239.4	11,157.7	10,242.8	10,154.0
17. NOF (%)	95.0	97.3	76.7	99.2	97.7	96.3	97.9	90.8	100.8	102.7	89.6	94.4	95.9
18. NPC (MW)	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
19. ANOHR EQUATION	ANOHR = NOF(-132.175) + 23,262												

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ORIGINAL SHEET NO. 8.401.14A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA - Revised 10/2017

JANUARY 2014 - DECEMBER 2014

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 UNIT 1	JAN 14	FEB 14	MAR 14	APR 14	MAY 14	JUN 14	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	2014
1. EAF (%)	73.7	53.9	75.4	87.2	88.6	89.4	91.2	98.8	100.0	94.3	93.4	43.2	82.3
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	90.4	194.6	610.8	640.8	660.2	699.2	735.5	744.0	720.0	684.9	671.6	130.1	6,582.1
4. RSH	558.5	294.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	2.0	192.4	1,071.3
5. UH	95.1	182.6	132.2	79.2	83.8	20.8	8.5	0.0	0.0	35.6	47.4	421.5	1,106.6
6. POH	0.0	70.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.4	421.5	539.7
7. FOH	95.1	106.6	132.2	66.7	66.8	4.8	8.5	0.0	0.0	3.0	0.0	0.0	483.7
8. MOH	0.0	5.2	0.0	12.6	17.0	15.9	0.0	0.0	0.0	32.5	0.0	0.0	83.2
9. PFOH	0.0	42.9	7.7	0.0	3.5	3.6	100.8	27.1	0.0	0.0	0.0	4.3	189.9
10. LR PF (MW)	0.0	8.2	264.0	0.0	233.7	233.7	233.7	233.7	0.0	0.0	0.0	264.0	184.7
11. PMOH	302.0	380.5	144.5	38.4	0.0	162.9	70.3	0.0	0.0	21.5	0.0	0.0	1,120.1
12. LR PM (MW)	264.0	264.0	264.0	233.7	0.0	233.7	233.7	0.0	0.0	233.7	0.0	0.0	256.1
13. NSC (MW)	792.0	792.0	792.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	792.0	715.2
14. OPR BTU(GBTU)	228.9	532.7	2,129.4	1,781.4	2,113.1	2,076.2	2,205.0	2,355.4	2,431.4	1,909.6	1,523.9	237.9	19,524.9631
15. NET GEN (MWH)	31,884	74,675	293,887	246,251	289,344	282,175	298,460	320,182	331,645	258,997	203,623	33,271	2,664,395
16. ANOHR (BTU/KWH)	7,177.9	7,134.0	7,245.7	7,233.9	7,303.1	7,358.0	7,388.0	7,356.5	7,331.2	7,373.2	7,483.8	7,150.9	7,328.0
17. NOF (%)	44.5	48.5	60.7	54.8	62.5	57.6	57.9	61.4	65.7	53.9	43.3	32.3	56.6
18. NPC (MW)	792.0	792.0	792.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	792.0	731.3
19. ANOHR EQUATION	ANOHR = NOF(-7.979) + 7,747												

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ORIGINAL SHEET NO. 8.401.14A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA - Revised 10/2017

JANUARY 2014 - DECEMBER 2014

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 UNIT 2	JAN 14	FEB 14	MAR 14	APR 14	MAY 14	JUN 14	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	2014
1. EAF (%)	99.2	92.5	60.9	99.4	94.0	98.2	99.4	100.0	86.4	99.0	59.7	87.2	89.6
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	744.0	672.0	535.7	720.0	727.2	720.0	744.0	744.0	661.3	744.0	480.2	625.7	8,118.0
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	1.9	23.9	39.0
5. UH	0.0	0.0	207.3	0.0	16.8	0.0	0.0	0.0	45.5	0.0	238.9	94.4	602.9
6. POH	0.0	0.0	205.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	230.8	0.0	436.3
7. FOH	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	94.4	104.3
8. MOH	0.0	0.0	0.0	0.0	16.8	0.0	0.0	0.0	45.5	0.0	0.0	0.0	62.3
9. PFOH	1.0	138.4	13.1	0.0	0.4	6.6	2.2	1.3	85.6	15.2	32.5	2.3	298.5
10. LR PF (MW)	261.8	261.8	261.8	0.0	309.7	3.0	232.3	232.3	232.3	232.3	232.3	261.8	242.6
11. PMOH	21.7	64.5	319.6	17.8	109.4	52.6	15.2	0.0	124.6	13.6	174.6	0.0	913.5
12. LR PM (MW)	261.8	261.8	261.8	232.3	232.3	232.3	232.3	0.0	232.3	232.3	232.3	0.0	245.4
13. NSC (MW)	1,047.0	1,047.0	1,047.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	1,047.0	966.5
14. OPR BTU(GBTU)	2,787.0	2,445.3	2,115.3	2,997.9	3,065.3	3,006.5	2,891.2	3,074.4	2,495.2	2,369.4	961.7	2,151.5	30,360.7685
15. NET GEN (MWH)	376,838	330,441	289,469	408,669	420,696	410,602	391,061	419,685	339,945	319,689	125,824	279,578	4,112,497
16. ANOHR (BTU/KWH)	7,395.8	7,400.1	7,307.4	7,335.8	7,286.2	7,322.2	7,393.1	7,325.6	7,340.2	7,411.6	7,643.2	7,695.6	7,383.0
17. NOF (%)	48.4	47.0	51.6	61.1	62.3	61.4	56.6	60.7	55.3	46.3	28.2	42.7	52.4
18. NPC (MW)	1,047.0	1,047.0	1,047.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	1,047.0	968.3
19. ANOHR EQUATION	ANOHR = NOF(-5.853) + 7,714												

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EXHIBIT NO. ____ (BSB-2)
TAMPA ELECTRIC COMPANY
DOCKET NO. 20180001-EI
GPIF 2017 FINAL TRUE-UP
DOCUMENT NO. 3

EXHIBIT TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCKET NO. 20180001-EI

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2015 - DECEMBER 2015
TARGETS

DOCUMENT NO. 3

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2015 - DECEMBER 2015
TARGETS
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**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE
JANUARY 2015 - DECEMBER 2015**

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+10	15,602.8	7,801.4
+9	14,042.5	7,021.3
+8	12,482.2	6,241.1
+7	10,922.0	5,461.0
+6	9,361.7	4,680.8
+5	7,801.4	3,900.7
+4	6,241.1	3,120.6
+3	4,680.8	2,340.4
+2	3,120.6	1,560.3
+1	1,560.3	780.1
0	0.0	0.0
-1	(1,475.8)	(780.1)
-2	(2,951.6)	(1,560.3)
-3	(4,427.5)	(2,340.4)
-4	(5,903.3)	(3,120.6)
-5	(7,379.1)	(3,900.7)
-6	(8,854.9)	(4,680.8)
-7	(10,330.8)	(5,461.0)
-8	(11,806.6)	(6,241.1)
-9	(13,282.4)	(7,021.3)
-10	(14,758.2)	(7,801.4)

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
JANUARY 2015 - DECEMBER 2015**

Line 1	Beginning of period balance of common equity:		\$	2,168,605,000	
	End of month common equity:				
Line 2	Month of January	2015	\$	2,115,059,000	
Line 3	Month of February	2015	\$	2,134,887,678	
Line 4	Month of March	2015	\$	2,154,902,250	
Line 5	Month of April	2015	\$	2,188,807,209	
Line 6	Month of May	2015	\$	2,209,327,276	
Line 7	Month of June	2015	\$	2,230,039,719	
Line 8	Month of July	2015	\$	2,175,808,872	
Line 9	Month of August	2015	\$	2,196,207,081	
Line 10	Month of September	2015	\$	2,216,796,522	
Line 11	Month of October	2015	\$	2,250,822,187	
Line 12	Month of November	2015	\$	2,271,923,645	
Line 13	Month of December	2015	\$	2,293,222,929	
Line 14	(Summation of line 1 through line 13 divided by 13)		\$	2,200,493,028	
Line 15	25 Basis points			0.0025	
Line 16	Revenue Expansion Factor			61.17%	
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)		\$	8,993,880	
Line 18	Jurisdictional Sales			18,630,400	MWH
Line 19	Total Sales			18,630,400	MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)			100.00%	
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)		\$	8,993,880	
Line 22	Incentive Cap (50% of projected fuel savings at 10 GPIF-point level from Sheet No. 3.515)		\$	7,801,404	
Line 23	Maximum Allowed GPIF Reward (at 10 GPIF-point level) (the lesser of line 21 and line 22)		\$	7,801,404	

Note: Line 22 and 23 are as approved by Commission order PSC-13-0665-FOF-EI dated 12/18/13 effective 1/1/14.

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2015 - DECEMBER 2015

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	7.68%	61.2	65.5	52.6	1,197.9	(284.9)
BIG BEND 2	2.02%	75.2	79.2	67.3	314.8	(548.1)
BIG BEND 3	1.47%	79.2	82.4	72.9	229.3	(572.6)
BIG BEND 4	4.07%	80.3	83.2	74.4	635.7	(1,103.8)
POLK 1	0.59%	77.1	79.6	72.0	91.9	(222.1)
BAYSIDE 1	3.35%	89.9	91.2	87.3	522.4	(908.6)
BAYSIDE 2	9.98%	86.6	88.4	83.0	1,556.9	(64.2)
GPIF SYSTEM	29.15%					

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	8.33%	10,563	94.8	10,368	10,757	1,299.3	(1,299.3)
BIG BEND 2	11.15%	10,379	92.7	10,149	10,609	1,739.7	(1,739.7)
BIG BEND 3	8.86%	10,495	92.5	10,326	10,664	1,382.3	(1,382.3)
BIG BEND 4	8.75%	10,416	97.6	10,245	10,587	1,365.4	(1,365.4)
POLK 1	16.44%	10,552	96.6	10,020	11,085	2,564.5	(2,564.5)
BAYSIDE 1	7.26%	7,271	52.3	7,160	7,383	1,132.4	(1,132.4)
BAYSIDE 2	10.06%	7,397	51.7	7,302	7,492	1,570.2	(1,570.2)
GPIF SYSTEM	70.85%						

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

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 15 - DEC 15			ACTUAL PERFORMANCE JAN 13 - DEC 13			ACTUAL PERFORMANCE JAN 12 - DEC 12			ACTUAL PERFORMANCE JAN 11 - DEC 11		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
BIG BEND 1	7.68%	26.3%	23.0	15.8	20.5	10.8	17.6	19.8	6.8	26.2	28.3	5.8	13.5	14.4
BIG BEND 2	2.02%	6.9%	6.6	18.2	19.5	6.1	18.3	19.5	4	17.9	18.7	17.1	25.4	30.6
BIG BEND 3	1.47%	5.0%	6.6	14.2	15.2	25.0	8.5	11.3	2.8	25	25.7	8.6	17.9	19.5
BIG BEND 4	4.07%	14.0%	6.6	13.1	14.1	4.8	17.6	18.5	8.2	16.2	17.6	9.4	15.1	16.7
POLK 1	0.59%	2.0%	13.7	9.2	10.7	15.3	6.7	8.8	12.7	17.3	21.0	4.4	17.3	17.6
BAYSIDE 1	3.35%	11.5%	4.9	5.2	5.5	3.8	7.5	8.7	1.9	3.0	2.0	21.0	3.3	2.0
BAYSIDE 2	9.98%	34.2%	6.0	7.4	7.9	4.1	12.2	13.1	16.5	7.5	2.9	3.7	7.4	3.2
GPIF SYSTEM	29.15%	100.0%	10.7	11.3	13.0	7.3	14.0	15.4	9.5	14.9	14.2	8.2	11.6	10.9
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)			<u>78.1</u>			<u>78.7</u>			<u>75.6</u>			<u>80.2</u>		
			<u>3 PERIOD AVERAGE</u>			<u>3 PERIOD AVERAGE</u>								
			POF	EUOF	EUOR	EAF								
			8.3	13.5	13.5	78.2								

AVERAGE NET OPERATING HEAT RATE (Btu/kWh)

PLANT / UNIT	WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET	ADJUSTED	ADJUSTED	ADJUSTED
			HEAT RATE JAN 15 - DEC 15	ACTUAL PERFORMANCE HEAT RATE JAN 13 - DEC 13	ACTUAL PERFORMANCE HEAT RATE JAN 12 - DEC 12	ACTUAL PERFORMANCE HEAT RATE JAN 11 - DEC 11
BIG BEND 1	8.33%	11.8%	10,563	10,546	10,485	10,719
BIG BEND 2	11.15%	15.7%	10,379	10,303	10,362	10,254
BIG BEND 3	8.86%	12.5%	10,495	10,516	10,468	10,346
BIG BEND 4	8.75%	12.4%	10,416	10,445	10,427	10,310
POLK 1	16.44%	23.2%	10,552	10,465	10,503	10,364
BAYSIDE 1	7.26%	10.2%	7,271	7,336	7,260	7,268
BAYSIDE 2	10.06%	14.2%	7,397	7,463	7,393	7,402
GPIF SYSTEM	70.85%	100.0%				
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kWh)			<u>9,718</u>	<u>9,706</u>	<u>9,691</u>	<u>9,641</u>

**TAMPA ELECTRIC COMPANY
DERIVATION OF WEIGHTING FACTORS
JANUARY 2015 - DECEMBER 2015
PRODUCTION COSTING SIMULATION
FUEL COST (\$000)**

UNIT PERFORMANCE INDICATOR	AT TARGET (1)	AT MAXIMUM IMPROVEMENT (2)	SAVINGS (3)	WEIGHTING FACTOR (% OF SAVINGS)
EQUIVALENT AVAILABILITY				
EA ₁ BIG BEND 1	596,119.8	594,921.9	1,197.9	7.68%
EA ₂ BIG BEND 2	596,119.8	595,805.1	314.8	2.02%
EA ₃ BIG BEND 3	596,119.8	595,890.5	229.3	1.47%
EA ₄ BIG BEND 4	596,119.8	595,484.2	635.7	4.07%
EA ₅ POLK 1	596,119.8	596,028.0	91.9	0.59%
EA ₆ BAYSIDE 1	596,119.8	595,597.4	522.4	3.35%
EA ₇ BAYSIDE 2	596,119.8	594,562.9	1,556.9	9.98%
AVERAGE HEAT RATE				
AHR ₁ BIG BEND 1	596,119.8	594,820.5	1,299.3	8.33%
AHR ₂ BIG BEND 2	596,119.8	594,380.1	1,739.7	11.15%
AHR ₃ BIG BEND 3	596,119.8	594,737.5	1,382.3	8.86%
AHR ₄ BIG BEND 4	596,119.8	594,754.4	1,365.4	8.75%
AHR ₅ POLK 1	596,119.8	593,555.3	2,564.5	16.44%
AHR ₆ BAYSIDE 1	596,119.8	594,987.4	1,132.4	7.26%
AHR ₇ BAYSIDE 2	596,119.8	594,549.6	1,570.2	10.06%
TOTAL SAVINGS			15,602.8	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 2015 - DECEMBER 2015

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,197.9	65.5	+10	1,299.3	10,368
+9	1,078.1	65.1	+9	1,169.4	10,380
+8	958.3	64.7	+8	1,039.5	10,392
+7	838.6	64.2	+7	909.5	10,404
+6	718.8	63.8	+6	779.6	10,416
+5	599.0	63.4	+5	649.7	10,428
+4	479.2	62.9	+4	519.7	10,440
+3	359.4	62.5	+3	389.8	10,452
+2	239.6	62.1	+2	259.9	10,464
+1	119.8	61.6	+1	129.9	10,476
					10,488
0	0.0	61.2	0	0.0	10,563
					10,638
-1	(28.5)	60.4	-1	(129.9)	10,649
-2	(57.0)	59.5	-2	(259.9)	10,661
-3	(85.5)	58.6	-3	(389.8)	10,673
-4	(114.0)	57.8	-4	(519.7)	10,685
-5	(142.4)	56.9	-5	(649.7)	10,697
-6	(170.9)	56.0	-6	(779.6)	10,709
-7	(199.4)	55.2	-7	(909.5)	10,721
-8	(227.9)	54.3	-8	(1,039.5)	10,733
-9	(256.4)	53.5	-9	(1,169.4)	10,745
-10	(284.9)	52.6	-10	(1,299.3)	10,757

Weighting Factor =

7.68%

Weighting Factor =

8.33%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2015 - DECEMBER 2015

BIG BEND 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	314.8	79.2	+10	1,739.7	10,149
+9	283.3	78.8	+9	1,565.7	10,165
+8	251.8	78.4	+8	1,391.8	10,180
+7	220.3	78.0	+7	1,217.8	10,195
+6	188.9	77.6	+6	1,043.8	10,211
+5	157.4	77.2	+5	869.9	10,226
+4	125.9	76.8	+4	695.9	10,242
+3	94.4	76.4	+3	521.9	10,257
+2	63.0	76.0	+2	347.9	10,273
+1	31.5	75.6	+1	174.0	10,288
					10,304
0	0.0	75.2	0	0.0	10,379
					10,454
-1	(54.8)	74.4	-1	(174.0)	10,469
-2	(109.6)	73.6	-2	(347.9)	10,485
-3	(164.4)	72.8	-3	(521.9)	10,500
-4	(219.2)	72.0	-4	(695.9)	10,516
-5	(274.0)	71.2	-5	(869.9)	10,531
-6	(328.9)	70.4	-6	(1,043.8)	10,547
-7	(383.7)	69.6	-7	(1,217.8)	10,562
-8	(438.5)	68.8	-8	(1,391.8)	10,578
-9	(493.3)	68.1	-9	(1,565.7)	10,593
-10	(548.1)	67.3	-10	(1,739.7)	10,609

Weighting Factor =

2.02%

Weighting Factor =

11.15%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2015 - DECEMBER 2015

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	229.3	82.4	+10	1,382.3	10,326
+9	206.4	82.1	+9	1,244.1	10,336
+8	183.5	81.8	+8	1,105.9	10,345
+7	160.5	81.5	+7	967.6	10,355
+6	137.6	81.1	+6	829.4	10,364
+5	114.7	80.8	+5	691.2	10,373
+4	91.7	80.5	+4	552.9	10,383
+3	68.8	80.2	+3	414.7	10,392
+2	45.9	79.9	+2	276.5	10,402
+1	22.9	79.6	+1	138.2	10,411
					10,420
0	0.0	79.2	0	0.0	10,495
					10,570
-1	(57.3)	78.6	-1	(138.2)	10,580
-2	(114.5)	78.0	-2	(276.5)	10,589
-3	(171.8)	77.3	-3	(414.7)	10,599
-4	(229.1)	76.7	-4	(552.9)	10,608
-5	(286.3)	76.1	-5	(691.2)	10,617
-6	(343.6)	75.4	-6	(829.4)	10,627
-7	(400.8)	74.8	-7	(967.6)	10,636
-8	(458.1)	74.2	-8	(1,105.9)	10,646
-9	(515.4)	73.5	-9	(1,244.1)	10,655
-10	(572.6)	72.9	-10	(1,382.3)	10,664

Weighting Factor =

1.47%

Weighting Factor =

8.86%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2015 - DECEMBER 2015

BIG BEND 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	635.7	83.2	+10	1,365.4	10,245
+9	572.1	83.0	+9	1,228.9	10,254
+8	508.5	82.7	+8	1,092.3	10,264
+7	445.0	82.4	+7	955.8	10,274
+6	381.4	82.1	+6	819.2	10,283
+5	317.8	81.8	+5	682.7	10,293
+4	254.3	81.5	+4	546.2	10,302
+3	190.7	81.2	+3	409.6	10,312
+2	127.1	80.9	+2	273.1	10,322
+1	63.6	80.6	+1	136.5	10,331
					10,341
0	0.0	80.3	0	0.0	10,416
					10,491
-1	(110.4)	79.7	-1	(136.5)	10,501
-2	(220.8)	79.1	-2	(273.1)	10,510
-3	(331.1)	78.5	-3	(409.6)	10,520
-4	(441.5)	77.9	-4	(546.2)	10,529
-5	(551.9)	77.3	-5	(682.7)	10,539
-6	(662.3)	76.8	-6	(819.2)	10,549
-7	(772.7)	76.2	-7	(955.8)	10,558
-8	(883.0)	75.6	-8	(1,092.3)	10,568
-9	(993.4)	75.0	-9	(1,228.9)	10,578
-10	(1,103.8)	74.4	-10	(1,365.4)	10,587

Weighting Factor =

4.07%

Weighting Factor =

8.75%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2015 - DECEMBER 2015

POLK 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	91.9	79.6	+10	2,564.5	10,020
+9	82.7	79.4	+9	2,308.1	10,065
+8	73.5	79.1	+8	2,051.6	10,111
+7	64.3	78.9	+7	1,795.2	10,157
+6	55.1	78.6	+6	1,538.7	10,203
+5	45.9	78.4	+5	1,282.3	10,248
+4	36.7	78.1	+4	1,025.8	10,294
+3	27.6	77.8	+3	769.4	10,340
+2	18.4	77.6	+2	512.9	10,386
+1	9.2	77.3	+1	256.5	10,431
					10,477
0	0.0	77.1	0	0.0	10,552
					10,627
-1	(22.2)	76.6	-1	(256.5)	10,673
-2	(44.4)	76.1	-2	(512.9)	10,719
-3	(66.6)	75.6	-3	(769.4)	10,764
-4	(88.9)	75.1	-4	(1,025.8)	10,810
-5	(111.1)	74.6	-5	(1,282.3)	10,856
-6	(133.3)	74.1	-6	(1,538.7)	10,902
-7	(155.5)	73.5	-7	(1,795.2)	10,947
-8	(177.7)	73.0	-8	(2,051.6)	10,993
-9	(199.9)	72.5	-9	(2,308.1)	11,039
-10	(222.1)	72.0	-10	(2,564.5)	11,085

Weighting Factor =

0.59%

Weighting Factor =

16.44%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2015 - DECEMBER 2015

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	522.4	91.2	+10	1,132.4	7,160
+9	470.2	91.0	+9	1,019.2	7,163
+8	417.9	90.9	+8	905.9	7,167
+7	365.7	90.8	+7	792.7	7,171
+6	313.5	90.6	+6	679.4	7,174
+5	261.2	90.5	+5	566.2	7,178
+4	209.0	90.4	+4	453.0	7,182
+3	156.7	90.2	+3	339.7	7,185
+2	104.5	90.1	+2	226.5	7,189
+1	52.2	90.0	+1	113.2	7,193
					7,196
0	0.0	89.9	0	0.0	7,271
					7,346
-1	(90.9)	89.6	-1	(113.2)	7,350
-2	(181.7)	89.3	-2	(226.5)	7,354
-3	(272.6)	89.1	-3	(339.7)	7,358
-4	(363.4)	88.8	-4	(453.0)	7,361
-5	(454.3)	88.6	-5	(566.2)	7,365
-6	(545.2)	88.3	-6	(679.4)	7,369
-7	(636.0)	88.1	-7	(792.7)	7,372
-8	(726.9)	87.8	-8	(905.9)	7,376
-9	(817.7)	87.5	-9	(1,019.2)	7,380
-10	(908.6)	87.3	-10	(1,132.4)	7,383

Weighting Factor =

3.35%

Weighting Factor =

7.26%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2015 - DECEMBER 2015

BAYSIDE 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,556.9	88.4	+10	1,570.2	7,302
+9	1,401.3	88.2	+9	1,413.2	7,304
+8	1,245.6	88.0	+8	1,256.2	7,306
+7	1,089.9	87.8	+7	1,099.1	7,308
+6	934.2	87.7	+6	942.1	7,310
+5	778.5	87.5	+5	785.1	7,312
+4	622.8	87.3	+4	628.1	7,314
+3	467.1	87.1	+3	471.1	7,316
+2	311.4	86.9	+2	314.0	7,318
+1	155.7	86.8	+1	157.0	7,320
					7,322
0	0.0	86.6	0	0.0	7,397
					7,472
-1	(6.4)	86.2	-1	(157.0)	7,474
-2	(12.8)	85.9	-2	(314.0)	7,476
-3	(19.3)	85.5	-3	(471.1)	7,478
-4	(25.7)	85.2	-4	(628.1)	7,480
-5	(32.1)	84.8	-5	(785.1)	7,482
-6	(38.5)	84.5	-6	(942.1)	7,484
-7	(45.0)	84.1	-7	(1,099.1)	7,486
-8	(51.4)	83.8	-8	(1,256.2)	7,488
-9	(57.8)	83.4	-9	(1,413.2)	7,490
-10	(64.2)	83.0	-10	(1,570.2)	7,492

Weighting Factor =

9.98%

Weighting Factor =

10.06%

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2015 - DECEMBER 2015

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-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	2015
1. EAF (%)	79.5	79.5	79.5	63.6	59.0	79.5	79.5	53.9	0.0	2.6	79.5	79.5	61.2
2. POF	0.0	0.0	0.0	20.0	25.8	0.0	0.0	32.3	100.0	96.8	0.0	0.0	23.0
3. EUOF	20.5	20.5	20.5	16.4	15.2	20.5	20.5	13.9	0.0	0.7	20.5	20.5	15.8
4. EUOR	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	0.0	20.5	20.5	20.5	20.5
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	651	588	651	504	483	630	651	441	0	21	630	651	5,901
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	93	84	92	216	261	90	93	303	720	723	91	93	2,859
9. POH	0	0	0	144	192	0	0	240	720	720	0	0	2,016
10. EFOH	137	124	137	106	102	132	137	93	0	4	133	137	1,240
11. EMOH	16	14	16	12	12	15	16	11	0	1	15	16	141
12. OPER BTU (GBTU)	2,505	2,327	2,570	1,971	1,849	2,476	2,551	1,742	0	64	2,354	2,528	22,938
13. NET GEN (MWH)	237,300	220,270	243,350	186,590	175,080	234,290	241,400	164,840	0	6,050	223,040	239,420	2,171,630
14. ANOHR (Btu/kwh)	10,557	10,563	10,562	10,566	10,561	10,567	10,566	10,568	0	10,516	10,556	10,559	10,563
15. NOF (%)	92.3	94.8	94.6	96.2	94.2	96.6	96.3	97.1	0.0	74.8	92.0	93.1	94.8
16. NPC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	388
17. ANOHR EQUATION	ANOHR = NOF(2.316) +						10,343		

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2015 - DECEMBER 2015

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-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	2015
1. EAF (%)	80.5	80.5	80.5	67.1	57.1	80.5	80.5	80.5	80.5	54.5	80.5	80.5	75.2
2. POF	0.0	0.0	0.0	16.7	29.0	0.0	0.0	0.0	0.0	32.3	0.0	0.0	6.6
3. EUOF	19.5	19.5	19.5	16.3	13.8	19.5	19.5	19.5	19.5	13.2	19.5	19.5	18.2
4. EUOR	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	663	599	663	535	471	642	663	663	642	449	642	663	7,295
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	81	73	80	185	273	78	81	81	78	295	79	81	1,465
9. POH	0	0	0	120	216	0	0	0	0	240	0	0	576
10. EFOH	112	101	112	90	79	108	112	112	108	76	108	112	1,231
11. EMOH	33	30	33	27	24	32	33	33	32	22	32	33	365
12. OPER BTU (GBTU)	2,456	2,261	2,505	2,020	1,720	2,422	2,501	2,516	2,435	1,690	2,273	2,452	27,251
13. NET GEN (MWH)	236,280	217,720	241,320	194,890	165,570	233,590	241,270	242,810	234,950	163,020	218,400	235,840	2,625,660
14. ANOHR (Btu/kwh)	10,395	10,383	10,382	10,366	10,388	10,367	10,367	10,363	10,363	10,368	10,407	10,396	10,379
15. NOF (%)	90.2	92.0	92.1	94.6	91.3	94.5	94.5	95.1	95.1	94.3	88.4	90.1	92.7
16. NPC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	388
17. ANOHR EQUATION	ANOHR = NOF(-6.562) +								10,987

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2015 - DECEMBER 2015

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-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	2015	
1. EAF (%)	82.1	45.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	56.6	84.8	79.2	
2. POF	3.2	46.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	6.6	
3. EUOF	14.7	8.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	10.1	15.2	14.2	
4. EUOR	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760	
6. SH	647	324	668	647	668	647	668	668	647	668	431	668	7,351	
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0	
8. UH	97	348	75	73	76	73	76	76	73	76	290	76	1,409	
9. POH	24	312	0	0	0	0	0	0	0	0	240	0	576	
10. EFOH	84	42	87	84	87	84	87	87	84	87	56	87	955	
11. EMOH	25	13	26	25	26	25	26	26	25	26	17	26	288	
12. OPER BTU (GBTU)	2,459	1,191	2,559	2,542	2,556	2,530	2,615	2,631	2,546	2,631	1,501	2,533	28,302	
13. NET GEN (MWH)	233,190	112,260	243,120	243,480	243,410	242,120	250,300	252,160	243,970	252,150	140,360	240,110	2,696,630	
14. ANOHR (Btu/kwh)	10,543	10,613	10,526	10,439	10,500	10,450	10,448	10,433	10,435	10,433	10,697	10,548	10,495	
15. NOF (%)	90.1	86.6	91.0	95.3	92.2	94.7	94.9	95.6	95.5	95.6	82.4	89.9	92.5	
16. NPC (MW)	400	400	400	395	395	395	395	395	395	395	395	400	397	
17. ANOHR EQUATION	ANOHR = NOF(-20.119) +										12,356

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2015 - DECEMBER 2015

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-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	2015
1. EAF (%)	85.9	85.9	47.1	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	58.2	80.3
2. POF	0.0	0.0	45.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.3	6.6
3. EUOF	14.1	14.1	7.7	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	9.5	13.1
4. EUOR	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	666	602	365	644	666	644	666	666	644	666	644	451	7,324
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	78	70	378	76	78	76	78	78	76	78	77	293	1,436
9. POH	0	0	336	0	0	0	0	0	0	0	0	240	576
10. EFOH	77	70	42	75	77	75	77	77	75	77	75	52	847
11. EMOH	28	25	15	27	28	27	28	28	27	28	27	19	303
12. OPER BTU (GBTU)	2,823	2,550	1,529	2,678	2,766	2,678	2,770	2,757	2,678	2,770	2,673	1,878	30,549
13. NET GEN (MWH)	270,980	244,770	146,800	257,090	265,570	257,080	265,910	264,730	257,090	265,910	256,630	180,320	2,932,880
14. ANOHR (Btu/kwh)	10,416	10,416	10,417	10,415	10,416	10,415	10,415	10,416	10,415	10,415	10,416	10,418	10,416
15. NOF (%)	97.6	97.5	96.4	98.1	98.0	98.1	98.1	97.7	98.1	98.1	97.9	95.9	97.6
16. NPC (MW)	417	417	417	407	407	407	407	407	407	407	407	417	410
17. ANOHR EQUATION	ANOHR = NOF(-0.940) +	10,508								

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2015 - DECEMBER 2015

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-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	2015
1. EAF (%)	89.3	89.3	20.1	26.8	89.3	89.3	89.3	89.3	89.3	89.3	74.5	89.3	77.1
2. POF	0.0	0.0	77.5	70.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0	13.7
3. EUOF	10.7	10.7	2.4	3.2	10.7	10.7	10.7	10.7	10.7	10.7	8.9	10.7	9.2
4. EUOR	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	631	570	143	192	659	633	652	667	645	649	565	631	6,637
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	113	102	600	528	85	87	92	77	75	95	156	113	2,123
9. POH	0	0	576	504	0	0	0	0	0	0	120	0	1,200
10. EFOH	61	55	14	18	61	59	61	61	59	61	49	61	619
11. EMOH	19	17	4	5	19	18	19	19	18	19	15	19	188
12. OPER BTU (GBTU)	1,419	1,282	321	431	1,479	1,417	1,460	1,495	1,440	1,458	1,258	1,420	14,880
13. NET GEN (MWH)	134,830	121,840	30,470	40,810	140,220	134,070	138,310	141,690	136,030	138,310	118,680	134,890	1,410,150
14. ANOHR (Btu/kwh)	10,526	10,524	10,539	10,550	10,545	10,566	10,559	10,553	10,586	10,538	10,604	10,524	10,552
15. NOF (%)	97.1	97.2	96.9	96.6	96.7	96.3	96.4	96.6	95.9	96.9	95.5	97.2	96.6
16. NPC (MW)	220	220	220	220	220	220	220	220	220	220	220	220	220
17. ANOHR EQUATION	ANOHR = NOF(-47.266) +	15,117								

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2015 - DECEMBER 2015

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-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	2015
1. EAF (%)	94.5	64.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	91.4	70.1	89.9
2. POF	0.0	32.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	25.8	4.9
3. EUOF	5.5	3.7	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.3	4.1	5.2
4. EUOR	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	554	391	674	430	620	636	641	684	661	604	529	427	6,851
7. RSH	149	40	28	251	83	45	62	19	20	99	130	95	1,021
8. UH	41	241	41	39	41	39	41	41	39	41	62	222	888
9. POH	0	216	0	0	0	0	0	0	0	0	24	192	432
10. EFOH	8	5	8	7	8	7	8	8	7	8	7	6	84
11. EMOH	33	20	33	32	33	32	33	33	32	33	31	25	372
12. OPER BTU (GBTU)	1,179	1,179	2,114	1,090	1,774	1,731	1,827	2,048	2,047	1,682	1,254	1,117	19,048
13. NET GEN (MWH)	161,060	162,160	290,960	149,690	244,410	238,140	251,690	282,360	282,530	231,490	172,000	153,120	2,619,610
14. ANOHR (Btu/kwh)	7,318	7,271	7,265	7,279	7,260	7,268	7,260	7,252	7,246	7,264	7,289	7,292	7,271
15. NOF (%)	36.7	52.4	54.5	49.7	56.2	53.4	56.0	58.9	61.0	54.7	46.4	45.3	52.3
16. NPC (MW)	792	792	792	701	701	701	701	701	701	701	701	792	731
17. ANOHR EQUATION	ANOHR = NOF(-2.988) +	7,428								

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2015 - DECEMBER 2015

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-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	2015
1. EAF (%)	92.1	88.9	68.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	52.3	92.1	86.6
2. POF	0.0	3.6	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.3	0.0	6.0
3. EUOF	7.9	7.6	5.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	4.5	7.9	7.4
4. EUOR	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	686	597	508	664	686	664	686	686	664	686	377	686	7,586
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	58	75	235	57	58	57	58	58	57	58	344	58	1,174
9. POH	0	24	192	0	0	0	0	0	0	0	312	0	528
10. EFOH	26	23	19	25	26	25	26	26	25	26	14	26	291
11. EMOH	32	28	24	31	32	31	32	32	31	32	18	32	355
12. OPER BTU (GBTU)	1,123	1,495	1,215	2,613	2,993	2,969	2,917	3,208	3,342	3,093	1,386	1,578	28,078
13. NET GEN (MWH)	148,240	199,020	161,610	354,880	408,550	405,830	397,670	439,720	460,020	423,080	187,660	209,600	3,795,880
14. ANOHR (Btu/kwh)	7,577	7,512	7,520	7,363	7,325	7,315	7,335	7,296	7,264	7,311	7,386	7,527	7,397
15. NOF (%)	20.7	31.8	30.4	57.6	64.1	65.8	62.4	69.0	74.6	66.4	53.6	29.2	51.7
16. NPC (MW)	1,047	1,047	1,047	929	929	929	929	929	929	929	929	1,047	968
17. ANOHR EQUATION	ANOHR = NOF(-5.797) +			7,697					

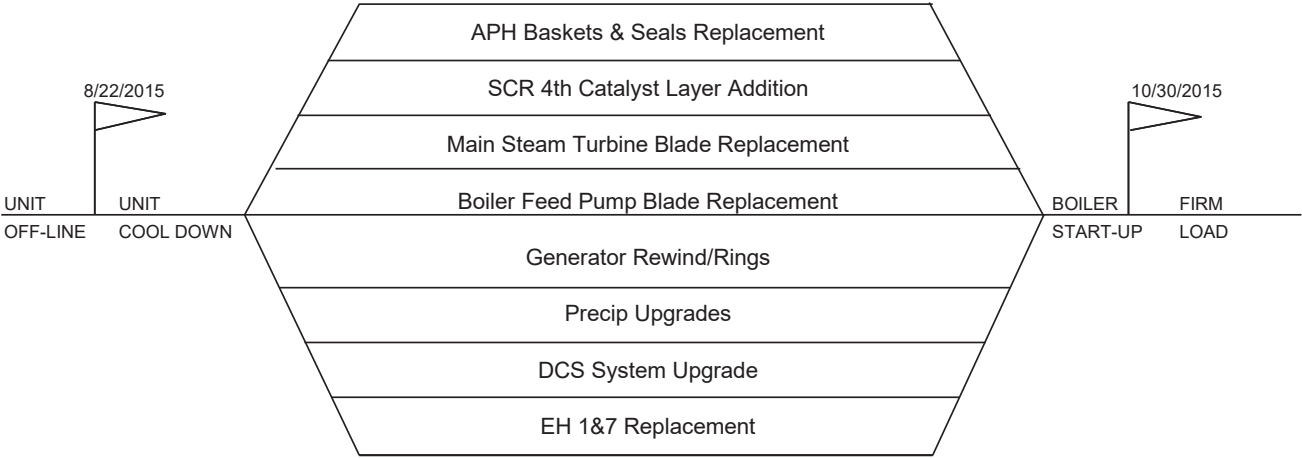
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**TAMPA ELECTRIC COMPANY
ESTIMATED PLANNED OUTAGE SCHEDULE
GPIF UNITS
JANUARY 2015 - DECEMBER 2015**

PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DESCRIPTION
+ BIG BEND 1	Apr 25 - May 09 Aug 22 - Oct 30	Fuel System Cleanup and FGD/SCR work APH Baskets & Seals Replacement, BFP Turbine Blade Repl, DCS Syst Soft-Hardware Upgrades, EH1&7 Repl, Generator Rewind/Rings, Main Steam Turbine Blade Replac, Precip Upgrades, SCR 4th Catalyst Layer Addition
BIG BEND 2	Apr 26 - May 09 Oct 17 - Oct 26	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
BIG BEND 3	Jan 31 - Feb 13 Nov 02 - Nov 11	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
BIG BEND 4	Mar 14 - Mar 27 Dec 05 - Dec 14	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
+ POLK 1	Mar 08 - Apr 21 Nov 01 - Nov 05	Gaseous Oxygen Compressor Mtr, Acid Containment Liner, East CSC Sootblower Addition, A Condensate CW Pump Repl, Syngas Upper Hairpin Elbow R, Gasifier Piping Lev1 replace, Inlet Air Filter Replacement Gasifier Outage
BAYSIDE 1	Feb 16 - Feb 24 Nov 30 - Dec 08	Fuel System Cleanup Fuel System Cleanup
BAYSIDE 2	Feb 28 - Mar 08 Nov 10 - Nov 22	Fuel System Cleanup Fuel System Cleanup

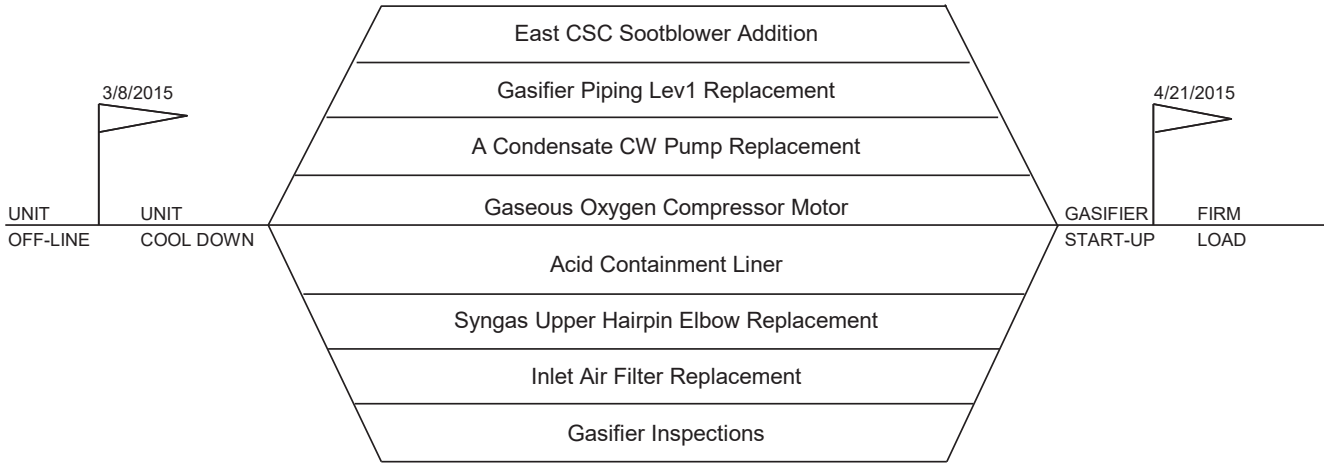
+ These units have CPM included. CPM for units with less than or equal to 4 weeks are not included.

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2015 - DECEMBER 2015



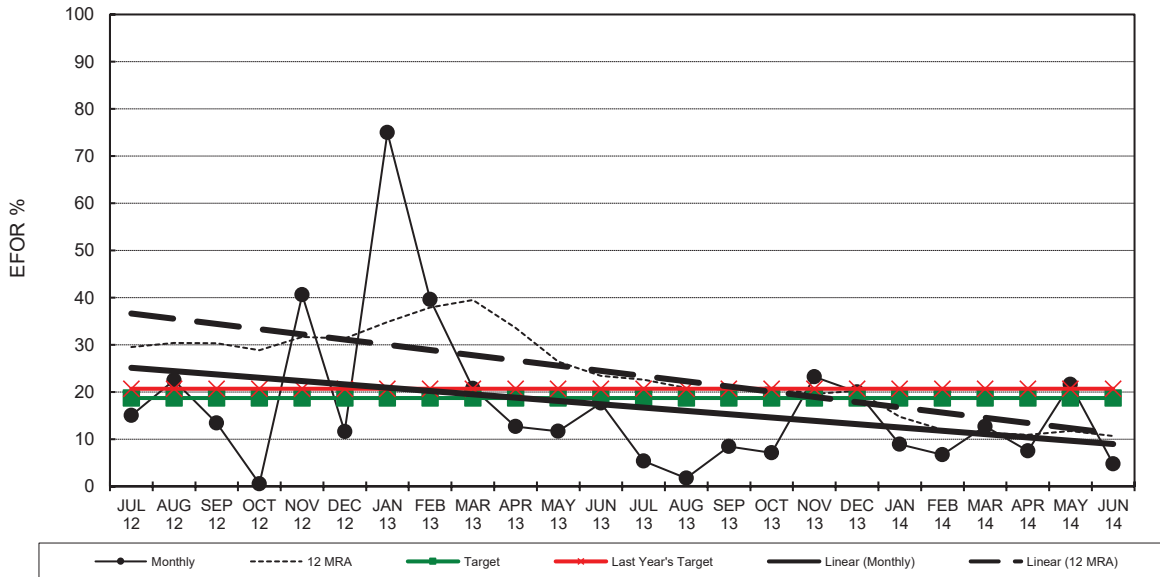
TAMPA ELECTRIC COMPANY
BIG BEND 1
PLANNED OUTAGE 2015
PROJECTED CPM

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2015 - DECEMBER 2015

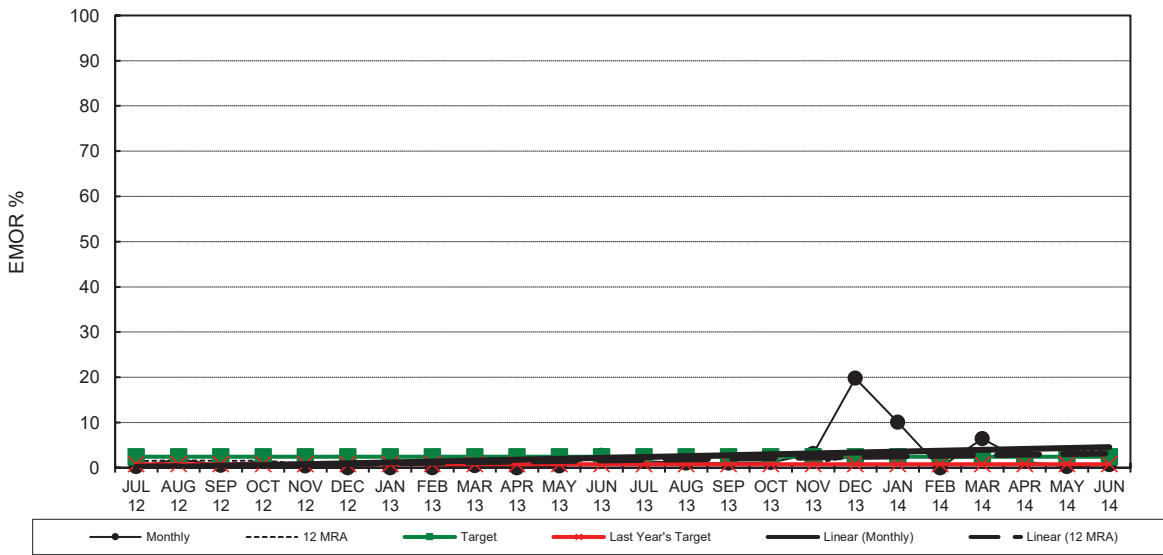


TAMPA ELECTRIC COMPANY
POLK 1
PLANNED OUTAGE 2015
PROJECTED CPM

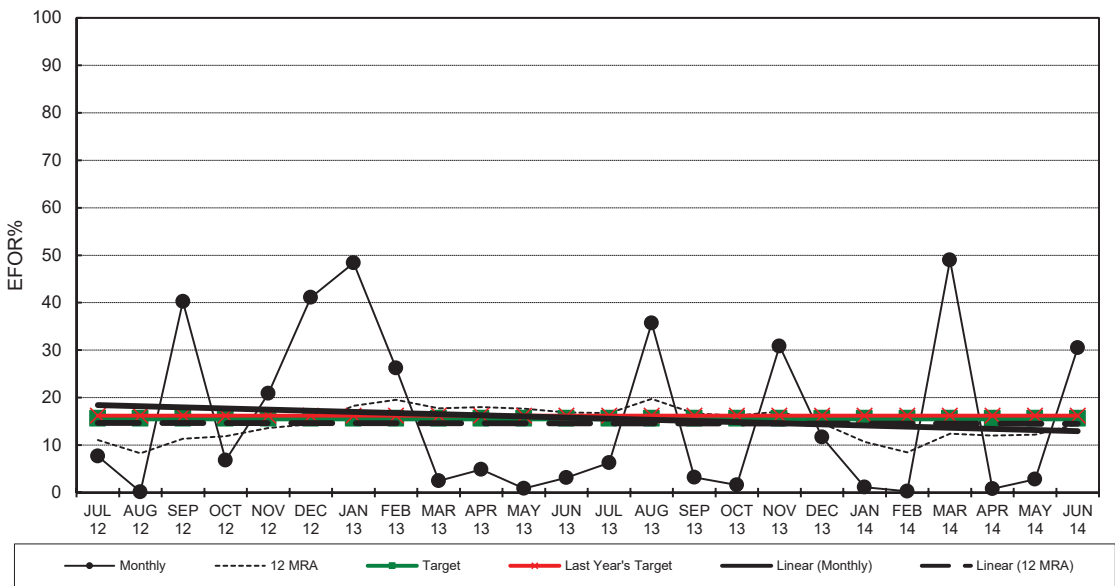
Big Bend Unit 1
 EFOR



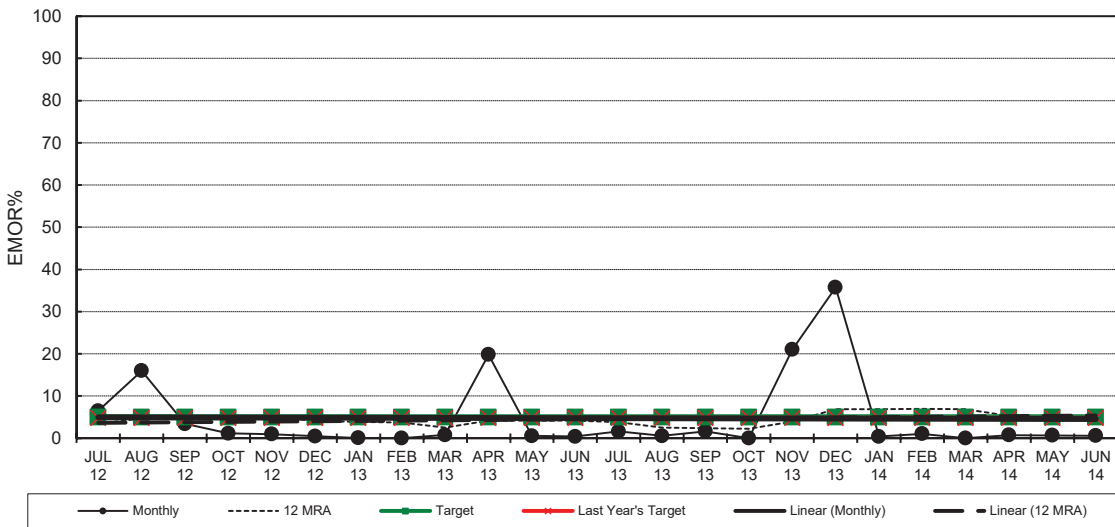
Big Bend Unit 1
 EMOR



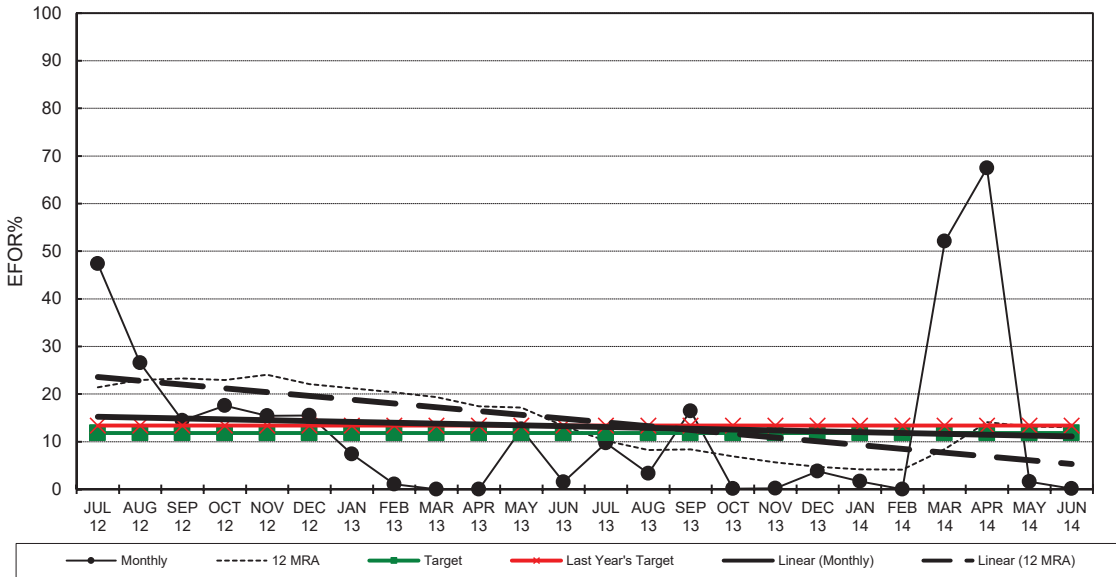
Big Bend Unit 2
 EFOR



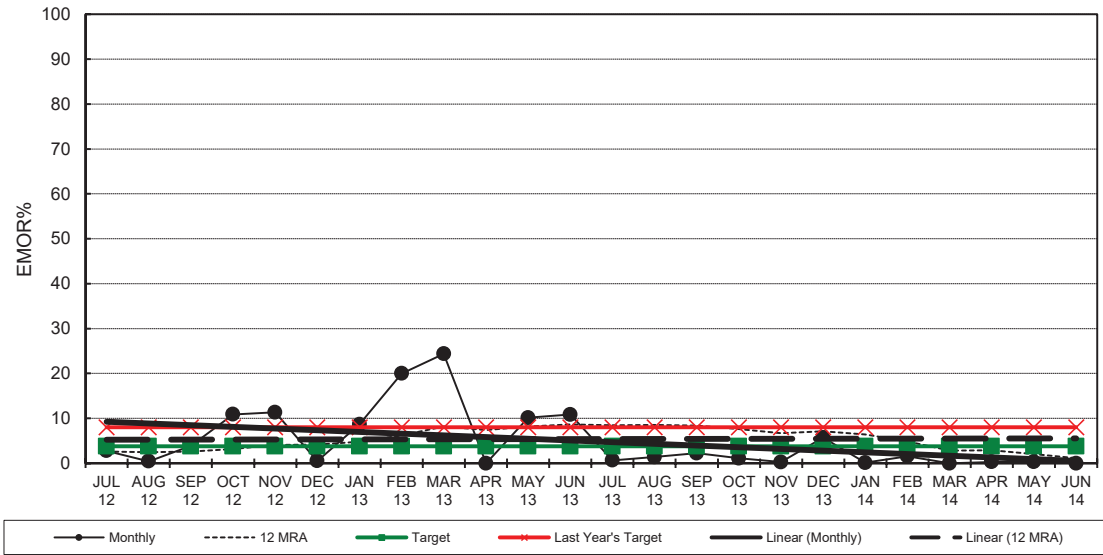
Big Bend Unit 2
 EMOR



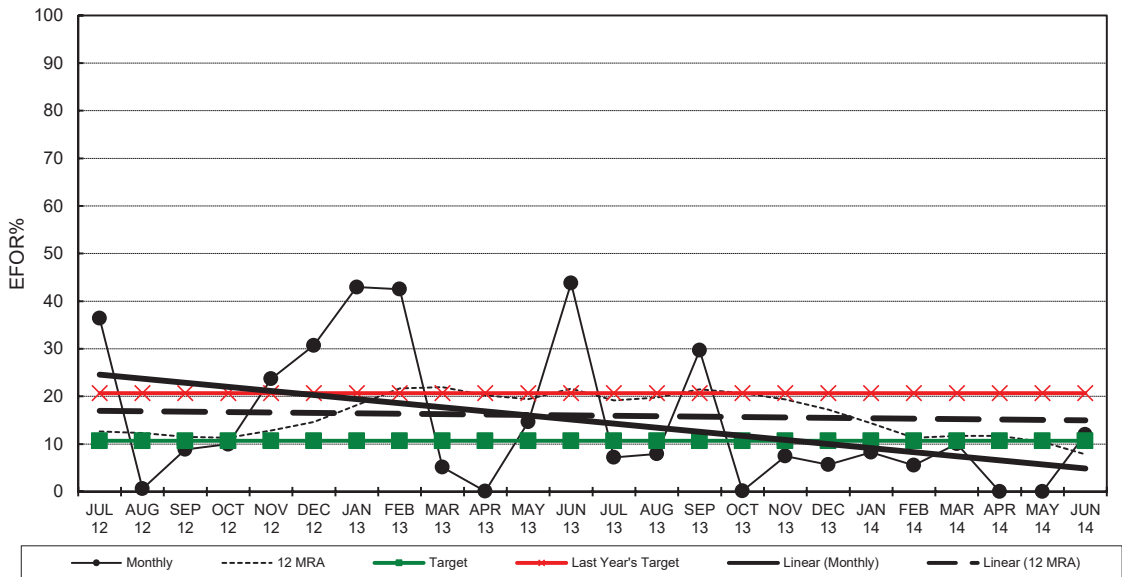
Big Bend Unit 3
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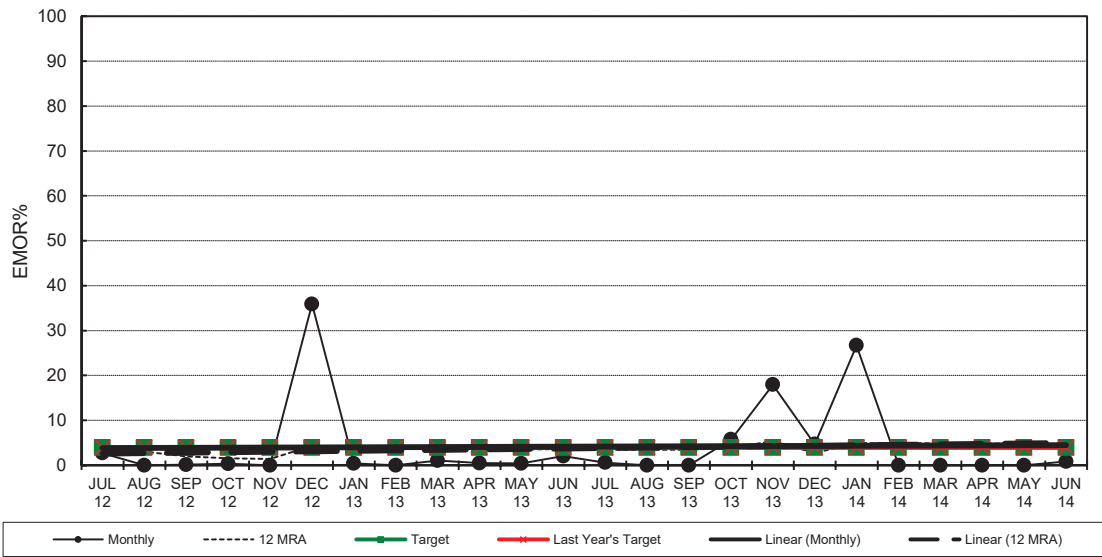
Big Bend Unit 3
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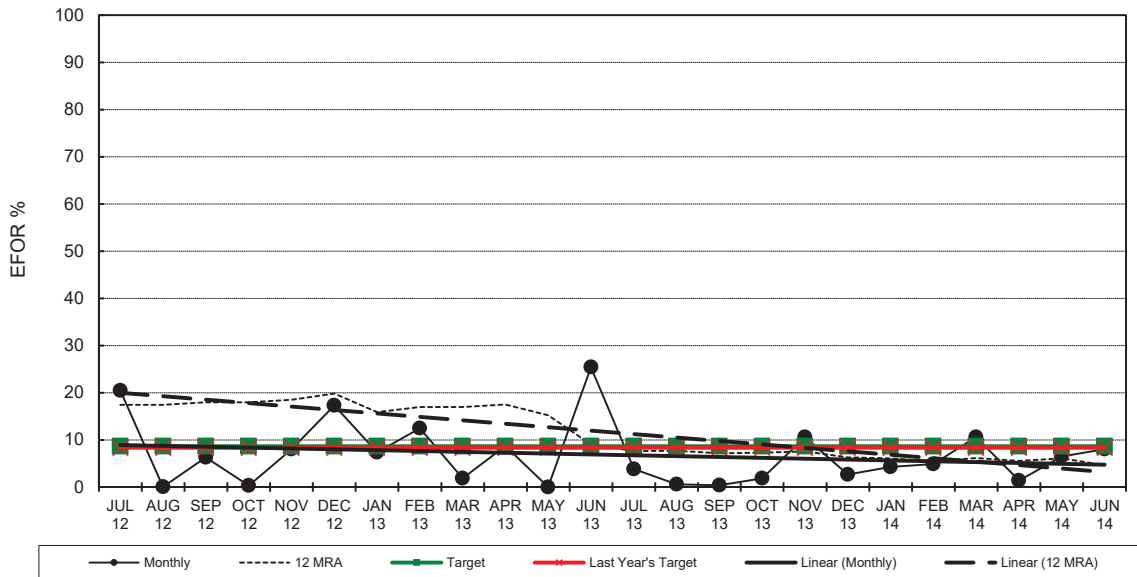
Big Bend Unit 4
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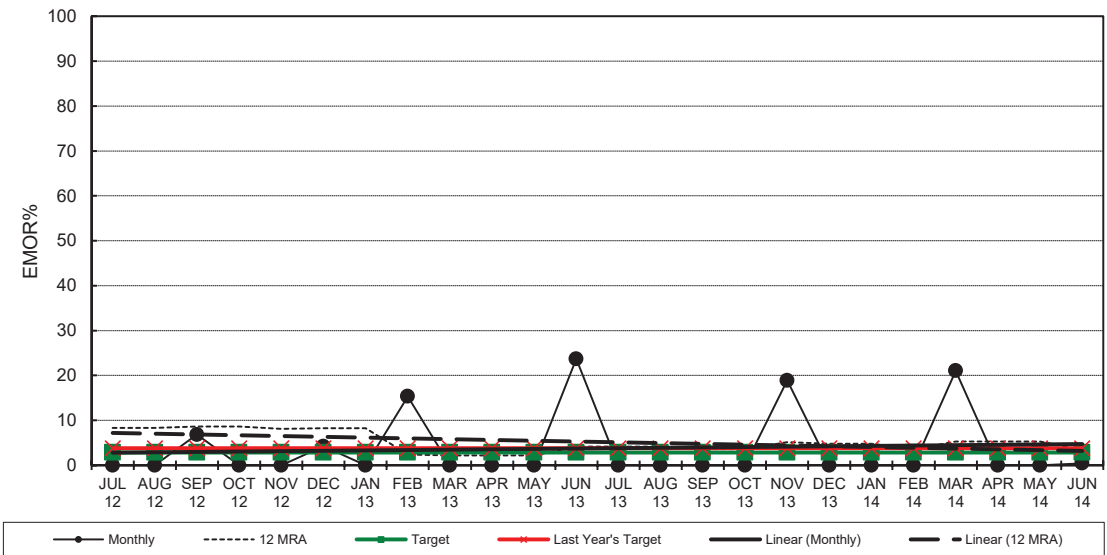
Big Bend Unit 4
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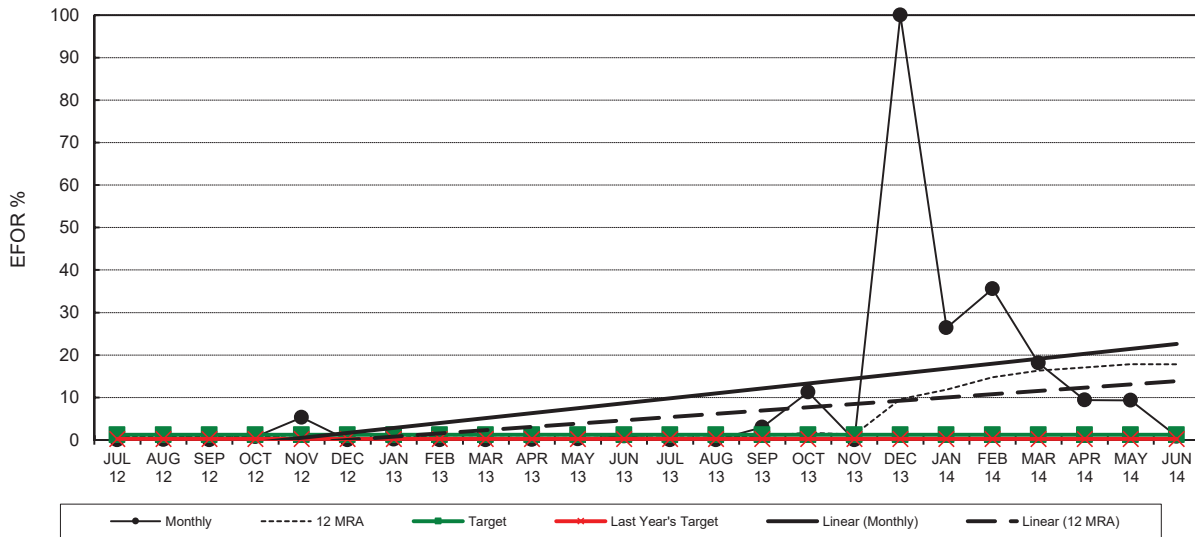
Polk Unit 1
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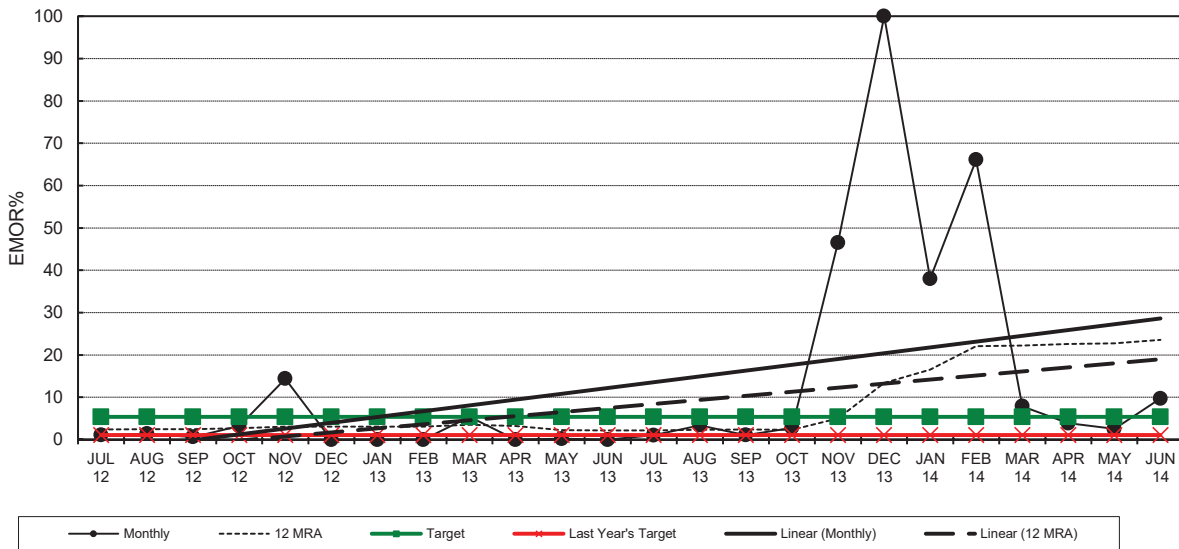
Polk Unit 1
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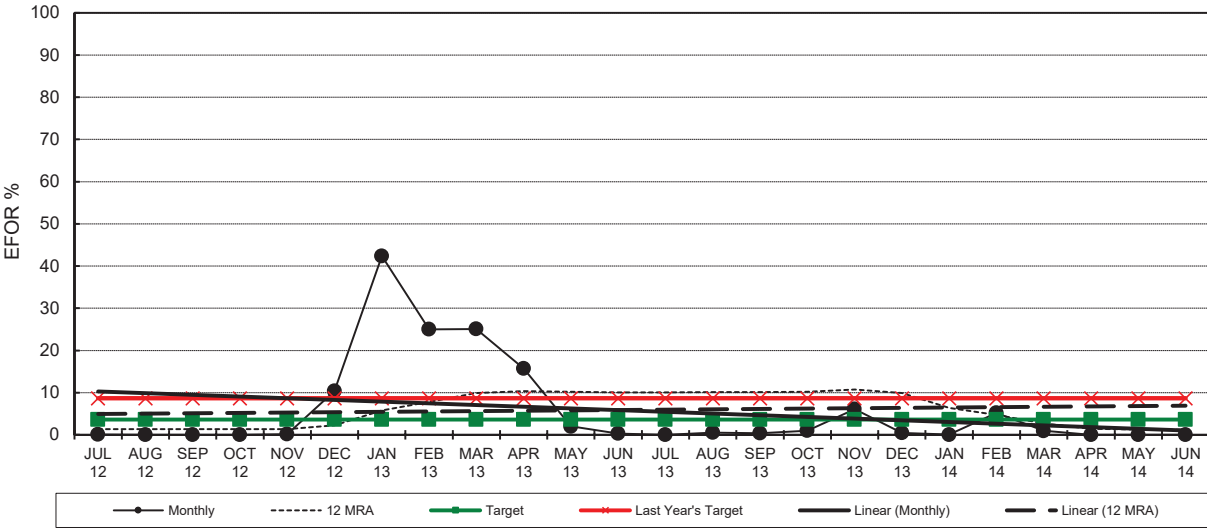
Bayside Unit 1
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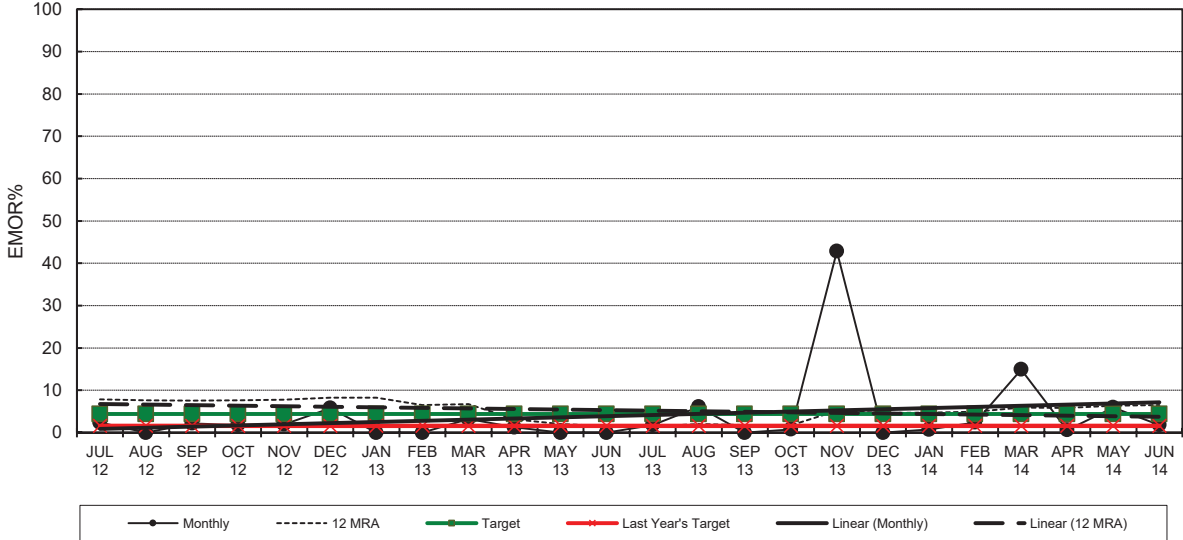
Bayside Unit 1
 EMOR



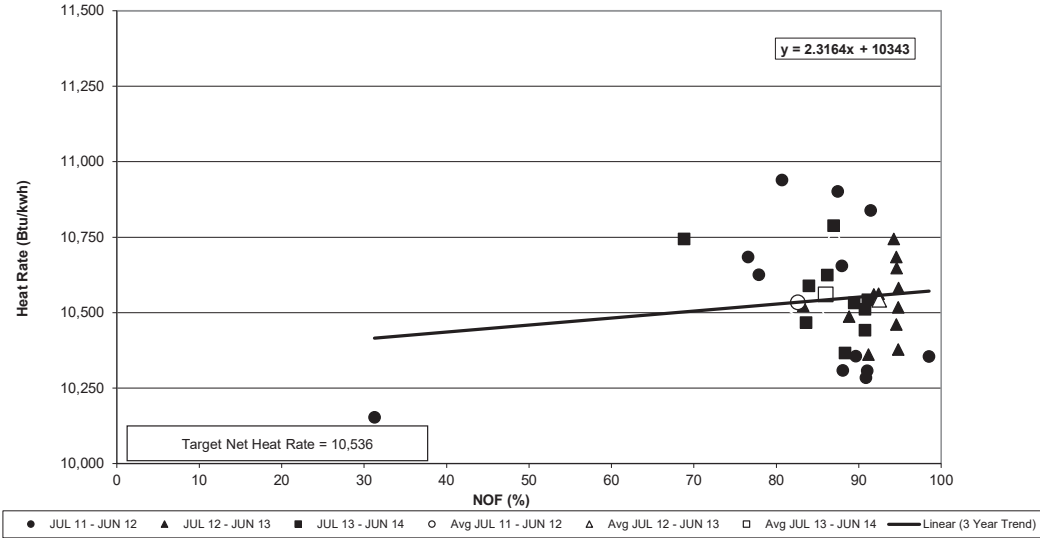
Bayside Unit 2
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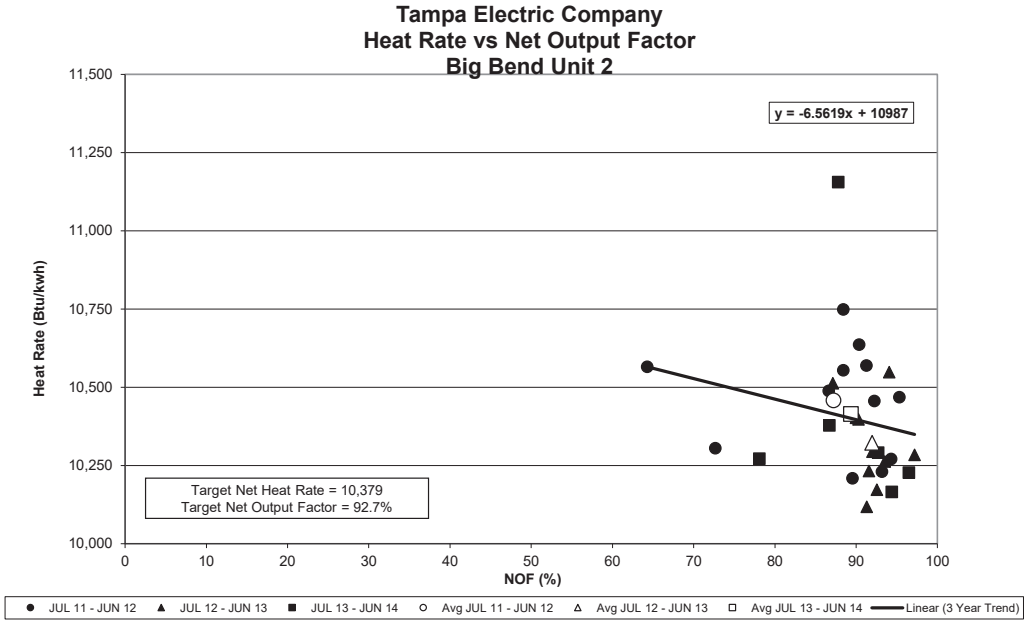


Bayside Unit 2
 EMOR

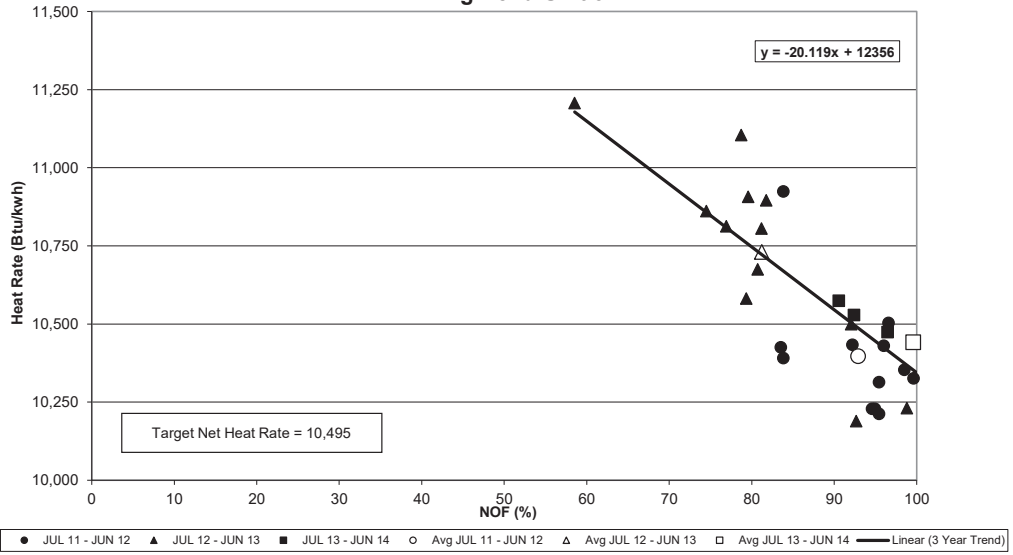


Tampa Electric Company
Heat Rate vs Net Output Factor
Big Bend Unit 1

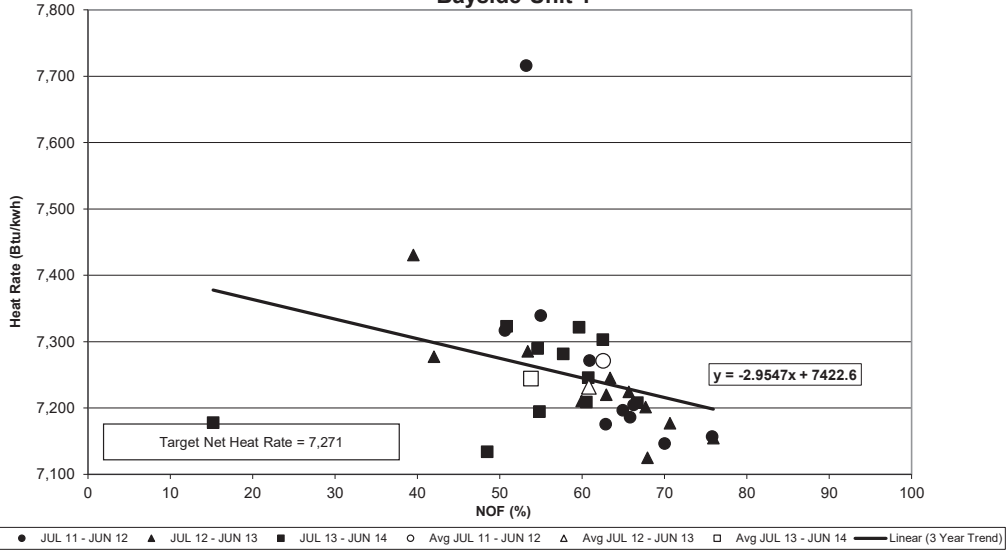


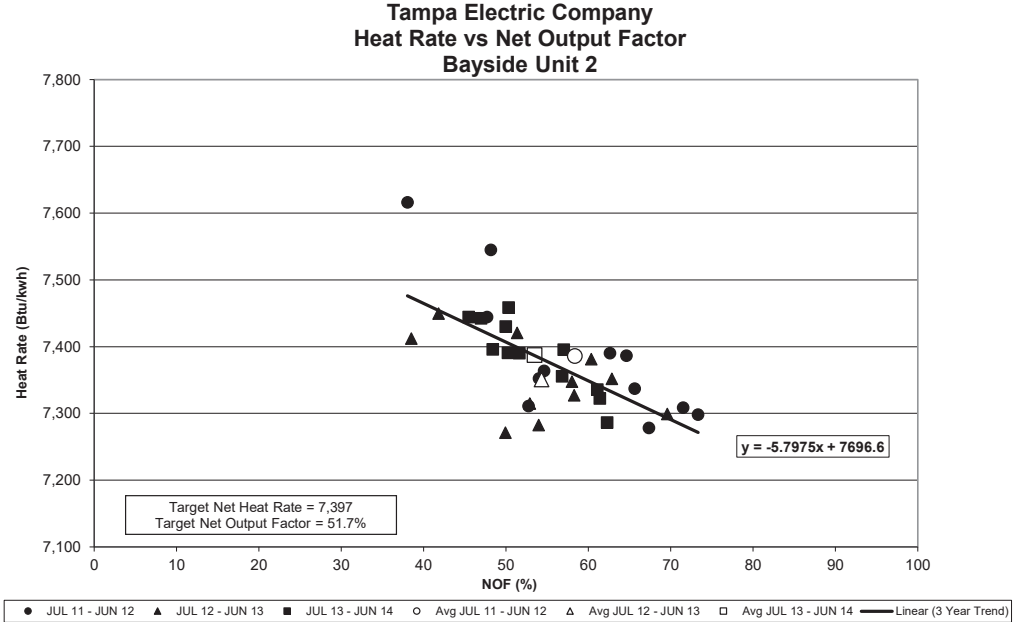


**Tampa Electric Company
 Heat Rate vs Net Output Factor
 Big Bend Unit 3**



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





**TAMPA ELECTRIC COMPANY
GENERATING UNITS IN GPIF
TABLE 4.2
JANUARY 2015 - DECEMBER 2015**

<u>PLANT / UNIT</u>	<u>ANNUAL GROSS MDC (MW)</u>	<u>ANNUAL NET NDC (MW)</u>
BIG BEND 1	413	388
BIG BEND 2	413	388
BIG BEND 3	422	397
BIG BEND 4	443	410
POLK 1	290	220
BAYSIDE 1	740	731
BAYSIDE 2	979	968
GPIF TOTAL	<u>3,701</u>	<u>3,503</u>
SYSTEM TOTAL	4,645	4,439
% OF SYSTEM TOTAL	79.7%	78.9%

**TAMPA ELECTRIC COMPANY
UNIT RATINGS
JANUARY 2015 - DECEMBER 2015**

<u>PLANT / UNIT</u>	<u>ANNUAL GROSS MDC (MW)</u>	<u>ANNUAL NET NDC (MW)</u>
BAYSIDE 1	740	731
BAYSIDE 2	979	968
BAYSIDE 3	59	58
BAYSIDE 4	59	58
BAYSIDE 5	59	58
BAYSIDE 6	59	58
BAYSIDE TOTAL	<u>1,954</u>	<u>1,930</u>
BIG BEND 1	413	388
BIG BEND 2	413	388
BIG BEND 3	422	397
BIG BEND 4	443	410
BIG BEND CT4	59	58
BIG BEND TOTAL	<u>1,750</u>	<u>1,641</u>
POLK 1	290	220
POLK 2	163	162
POLK 3	163	162
POLK 4	163	162
POLK 5	163	162
POLK TOTAL	<u>941</u>	<u>867</u>
SYSTEM TOTAL	<u>4,645</u>	<u>4,439</u>

**TAMPA ELECTRIC COMPANY
PERCENT GENERATION BY UNIT
JANUARY 2015 - DECEMBER 2015**

<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	3,795,880	20.16%	20.16%
BIG BEND	4	2,932,880	15.57%	35.73%
BIG BEND	3	2,696,630	14.32%	50.05%
BIG BEND	2	2,625,660	13.94%	63.99%
BAYSIDE	1	2,619,610	13.91%	77.90%
BIG BEND	1	2,171,630	11.53%	89.44%
POLK	1	1,410,150	7.49%	96.92%
POLK	2	183,400	0.97%	97.90%
POLK	3	120,920	0.64%	98.54%
POLK	4	96,690	0.51%	99.05%
POLK	5	49,820	0.26%	99.32%
BAYSIDE	5	40,200	0.21%	99.53%
BAYSIDE	6	31,440	0.17%	99.70%
BAYSIDE	3	27,550	0.15%	99.84%
BAYSIDE	4	18,350	0.10%	99.94%
BIG BEND CT	4	10,860	0.06%	100.00%
TOTAL GENERATION		18,831,670	100.00%	

GENERATION BY COAL UNITS: <u>11,836,950</u> MWH	GENERATION BY NATURAL GAS UNITS: <u>6,994,720</u> MWH
% GENERATION BY COAL UNITS: <u>62.86%</u>	% GENERATION BY NATURAL GAS UNITS: <u>37.14%</u>
GENERATION BY OIL UNITS: <u>-</u> MWH	GENERATION BY GPIF UNITS: <u>18,252,440</u> MWH
% GENERATION BY OIL UNITS: <u>0.00%</u>	% GENERATION BY GPIF UNITS: <u>96.92%</u>

EXHIBIT NO. BSB-2
TAMPA ELECTRIC COMPANY
DOCKET NO. 20180001-EI
GPIF 2017 FINAL TRUE-UP
DOCUMENT NO. 4

EXHIBIT TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCKET NO. 20180001-EI

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2015 - DECEMBER 2015
TRUE-UP

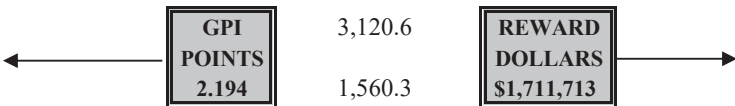
DOCUMENT NO. 4

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2015 - DECEMBER 2015
TRUE-UP
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**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE - ACTUAL
JANUARY 2015 - DECEMBER 2015**

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+10	15,602.8	7,801.4
+9	14,042.5	7,021.3
+8	12,482.2	6,241.1
+7	10,922.0	5,461.0
+6	9,361.7	4,680.8
+5	7,801.4	3,900.7
+4	6,241.1	3,120.6
+3	4,680.8	2,340.4
+2	3,120.6	1,560.3
+1	1,560.3	780.1
0	0.0	0.0
-1	(1,475.8)	(780.1)
-2	(2,951.6)	(1,560.3)
-3	(4,427.5)	(2,340.4)
-4	(5,903.3)	(3,120.6)
-5	(7,379.1)	(3,900.7)
-6	(8,854.9)	(4,680.8)
-7	(10,330.8)	(5,461.0)
-8	(11,806.6)	(6,241.1)
-9	(13,282.4)	(7,021.3)
-10	(14,758.2)	(7,801.4)



**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS - ACTUAL
JANUARY 2015 - DECEMBER 2015**

Line 1	Beginning of period balance of common equity:		\$ 2,111,163,916
	End of month common equity:		
Line 2	Month of January	2015	\$ 2,127,180,507
Line 3	Month of February	2015	\$ 2,093,480,086
Line 4	Month of March	2015	\$ 2,130,295,700
Line 5	Month of April	2015	\$ 2,107,055,892
Line 6	Month of May	2015	\$ 2,131,345,778
Line 7	Month of June	2015	\$ 2,158,378,567
Line 8	Month of July	2015	\$ 2,128,206,619
Line 9	Month of August	2015	\$ 2,209,343,431
Line 10	Month of September	2015	\$ 2,233,000,848
Line 11	Month of October	2015	\$ 2,251,769,894
Line 12	Month of November	2015	\$ 2,260,579,571
Line 13	Month of December	2015	\$ 2,270,518,569
Line 14	(Summation of line 1 through line 13 divided by 13)		\$ 2,170,178,414
Line 15	25 Basis points		0.0025
Line 16	Revenue Expansion Factor		61.27%
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)		\$ 8,855,413
Line 18	Jurisdictional Sales		19,005,398 MWH
Line 19	Total Sales		19,005,398 MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)		100.00%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)		\$ 8,855,413
Line 22	Incentive Cap (50% of projected fuel savings at 10 GPIF-Point level from Sheet No. 3.515)		\$ 7,801,404
Line 23	Maximum Allowed GPIF Reward (At 10 GPIF-Point Level; the lesser of line 21 and line 22)		\$ 7,801,404

**TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS - ACTUAL
JANUARY 2015 - DECEMBER 2015**

<u>PLANT / UNIT</u>	<u>12 MONTH ADJ. ACTUAL PERFORMANCE</u>		<u>WEIGHTING FACTOR %</u>	<u>UNIT POINTS</u>	<u>WEIGHTED UNIT POINTS</u>
BIG BEND 1	62.2%	EAF	7.68%	2.288	0.176
BIG BEND 2	46.2%	EAF	2.02%	-10.000	-0.202
BIG BEND 3	70.0%	EAF	1.47%	-10.000	-0.147
BIG BEND 4	78.7%	EAF	4.07%	-2.700	-0.110
POLK 1	70.3%	EAF	0.59%	-10.000	-0.059
BAYSIDE 1	92.6%	EAF	3.35%	10.000	0.335
BAYSIDE 2	90.3%	EAF	9.98%	10.000	0.998
BIG BEND 1	10784	ANOHR	8.33%	-10.000	-0.833
BIG BEND 2	10383	ANOHR	11.15%	0.000	0.000
BIG BEND 3	10190	ANOHR	8.86%	10.000	0.886
BIG BEND 4	10363	ANOHR	8.75%	0.000	0.000
POLK 1	10157	ANOHR	16.44%	6.998	1.150
BAYSIDE 1	7339	ANOHR	7.26%	0.000	0.000
BAYSIDE 2	7421	ANOHR	10.06%	0.000	0.000
			100.00%		2.194

GPIF REWARD	\$ 1,711,713
--------------------	---------------------

**TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY**

EQUIVALENT AVAILABILITY (%)

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>EAF TARGET (%)</u>	<u>EAF MAX. (%)</u>	<u>RANGE MIN. (%)</u>	<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>	<u>EAF ADJUSTED ACTUAL (%)</u>	<u>EST. FUEL SAVINGS/ LOSS (\$000)</u>
BIG BEND 1	7.68%	61.2	65.5	52.6	1,197.9	(284.9)	62.2	274.1
BIG BEND 2	2.02%	75.2	79.2	67.3	314.8	(548.1)	46.2	(548.1)
BIG BEND 3	1.47%	79.2	82.4	72.9	229.3	(572.6)	70.0	(572.6)
BIG BEND 4	4.07%	80.3	83.2	74.4	635.7	(1,103.8)	78.7	(298.1)
POLK 1	0.59%	77.1	79.6	72.0	91.9	(222.1)	70.3	(222.1)
BAYSIDE 1	3.35%	89.9	91.2	87.3	522.4	(908.6)	92.6	522.4
BAYSIDE 2	9.98%	86.6	88.4	83.0	1,556.9	(64.2)	90.3	1,556.9
GPIF SYSTEM	29.15%				4,548.9	(3,704.4)		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>ANOHR (Btu/kwh)</u>	<u>TARGET NOF (%)</u>	<u>ANOHR TARGET RANGE</u>		<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>	<u>ACTUAL ADJUSTED ANOHR</u>	<u>EST. FUEL SAVINGS/ LOSS (\$000)</u>
				<u>MIN.</u>	<u>MAX.</u>				
BIG BEND 1	8.33%	10,563	94.8	10,368	10,757	1,299.3	(1,299.3)	10,784	(1,299.3)
BIG BEND 2	11.15%	10,379	92.7	10,149	10,609	1,739.7	(1,739.7)	10,383	0.0
BIG BEND 3	8.86%	10,495	92.5	10,326	10,664	1,382.3	(1,382.3)	10,190	1,382.3
BIG BEND 4	8.75%	10,416	97.6	10,245	10,587	1,365.4	(1,365.4)	10,363	0.0
POLK 1	16.44%	10,552	96.6	10,020	11,085	2,564.5	(2,564.5)	10,157	1,794.6
BAYSIDE 1	7.26%	7,271	52.3	7,160	7,383	1,132.4	(1,132.4)	7,339	0.0
BAYSIDE 2	10.06%	7,397	51.7	7,302	7,492	1,570.2	(1,570.2)	7,421	0.0
GPIF SYSTEM	70.85%					11,053.9	(11,053.9)		

**TAMPA ELECTRIC COMPANY
UNIT PERFORMANCE DATA - ACTUAL
JANUARY 2015 - DECEMBER 2015**

<u>PLANT / UNIT</u>	<u>ACTUAL EAF (%)</u>	<u>ADJUSTMENTS (1) TO EAF (%)</u>	<u>EAF ADJUSTED ACTUAL (%)</u>
BIG BEND 1	59.0	3.2	62.2
BIG BEND 2	45.8	0.4	46.2
BIG BEND 3	72.2	-2.2	70.0
BIG BEND 4	81.1	-2.4	78.7
POLK 1	70.5	-0.2	70.3
BAYSIDE 1	85.9	6.7	92.6
BAYSIDE 2	89.2	1.1	90.3

<u>PLANT / UNIT</u>	<u>ACTUAL ANOHR (Btu/kwh)</u>	<u>ADJUSTMENTS (2) TO ANOHR (Btu/kwh)</u>	<u>ANOHR ADJUSTED ACTUAL (Btu/kwh)</u>
BIG BEND 1	10747	37	10784
BIG BEND 2	10492	-109	10383
BIG BEND 3	10349	-159	10190
BIG BEND 4	10377	-14	10363
POLK 1	10269	-112	10157
BAYSIDE 1	7293	46	7339
BAYSIDE 2	7314	107	7421

(1) Documentation of adjustments to Actual EAF on pages 7 - 13

(2) Documentation of adjustments to Actual ANOHR on pages 14 - 20

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 1
JANUARY 2015 - DECEMBER 2015**

WEIGHTING FACTOR = 7.68%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	61.2	59.0	62.2
POH	2016.0	2363.7	2016.0
FOH + EFOH	1240.3	1136.7	1198.5
MOH + EMOH	141.3	90.2	95.1
POF	23.0	27.0	23.0
EFOF	14.2	13.0	13.7
EMOF	1.6	1.0	1.1
	2.288	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 2016}{8760 - 2363.7} \times (1136.7 + 90.2) = 1293.6$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 23 - \frac{1293.6}{8760.0} \times 100 = 62.2$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 2
JANUARY 2015 - DECEMBER 2015

WEIGHTING FACTOR = 2.02%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	75.2	45.8	46.2
POH	576.0	654.1	576.0
FOH + EFOH	1230.8	3942.5	3980.5
MOH + EMOH	365.2	154.9	156.4
POF	6.6	7.5	6.6
EFOF	14.0	45.0	45.4
EMOF	4.2	1.8	1.8
	-10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 576}{8760 - 654.1} \times (3942.5 + 154.9) = 4136.9$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 6.6 - \frac{4136.9}{8760.0} \times 100 = 46.2$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 3
JANUARY 2015 - DECEMBER 2015**

WEIGHTING FACTOR = 1.47%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	79.2	72.2	70.0
POH	576.0	328.0	576.0
FOH + EFOH	955.1	1858.3	1803.6
MOH + EMOH	288.0	251.8	244.4
POF	6.6	3.7	6.6
EFOF	10.9	21.2	20.6
EMOF	3.3	2.9	2.8
	-10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 576}{8760 - 328} \times (1858.3 + 251.8) = 2048.0$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 6.6 - \frac{2048.0}{8760.0} \times 100 = 70.0$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 4
JANUARY 2015 - DECEMBER 2015**

WEIGHTING FACTOR = 4.07%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	80.3	81.1	78.7
POH	576.0	334.1	576.0
FOH + EFOH	846.9	1208.2	1173.5
MOH + EMOH	303.3	114.1	110.8
POF	6.6	3.8	6.6
EFOF	9.7	13.8	13.4
EMOF	3.5	1.3	1.3
	-2.700	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 576}{8760 - 334.1} \times (1208.2 + 114.1) = 1284.3$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 6.6 - \frac{1284.3}{8760.0} \times 100 = 78.7$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
POLK UNIT NO. 1
JANUARY 2015 - DECEMBER 2015**

WEIGHTING FACTOR = 0.59%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	77.1	70.5	70.3
POH	1200.0	1178.4	1200.0
FOH + EFOH	619.0	1278.0	1274.4
MOH + EMOH	188.1	124.1	123.7
POF	13.7	13.5	13.7
EFOF	7.1	14.6	14.5
EMOF	2.1	1.4	1.4
	-10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 1200}{8760 - 1178.4} \times (1278 + 124.1) = 1398.1$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 13.7 - \frac{1398.1}{8760.0} \times 100 = 70.3$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BAYSIDE UNIT NO. 1
JANUARY 2015 - DECEMBER 2015**

WEIGHTING FACTOR = 3.35%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	89.9	85.9	92.6
POH	432.0	1032.8	432.0
FOH + EFOH	84.3	111.7	120.4
MOH + EMOH	371.8	88.4	95.3
POF	4.9	11.8	4.9
EFOF	1.0	1.3	1.4
EMOF	4.2	1.0	1.1
	10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 432}{8760 - 1032.8} \times (111.7 + 88.4) = 215.7$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 4.9 - \frac{215.7}{8760.0} \times 100 = 92.6$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BAYSIDE UNIT NO. 2
JANUARY 2015 - DECEMBER 2015**

WEIGHTING FACTOR = 9.98%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8760.0	8760.0	8760.0
EAF	86.6	89.2	90.3
POH	528.0	627.1	528.0
FOH + EFOH	291.3	182.2	184.4
MOH + EMOH	355.2	139.1	140.8
POF	6.0	7.2	6.0
EFOF	3.3	2.1	2.1
EMOF	4.1	1.6	1.6
	10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8760 - 528}{8760 - 627.1} \times (182.2 + 139.1) = 325.2$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 6 - \frac{325.2}{8760.0} \times 100 = 90.3$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 1
JANUARY 2015 - DECEMBER 2015**

WEIGHTING FACTOR = 8.33%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10563	10747
NET GENERATION (GWH)	2171.6	1808.3
OPERATING BTU (10 ⁹)	21861.6	19434.3
NET OUTPUT FACTOR	94.8	78.6

-10.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (2.32) + 10342.99 = \text{ANOHR}$

$78.6 * (2.32) + 10342.99 = 10525$

10747 - 10525 = 222

10563 + 222 = 10784 ← ADJUSTED ACTUAL
HEAT RATE AT
TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OUTPUT FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 2
JANUARY 2015 - DECEMBER 2015**

WEIGHTING FACTOR = 11.15%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10379	10492
NET GENERATION (GWH)	2625.7	1325.4
OPERATING BTU (10 ⁹)	26848.1	13906.0
NET OUTPUT FACTOR	92.7	76.1

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-6.56) + 10987.1 = ANOHR$

$76.1 * (-6.56) + 10987.1 = 10488$

$10492 - 10488 = 4$

$10379 + 4 = 10383$ ← ADJUSTED ACTUAL
HEAT RATE AT
TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OUTPUT FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 3
JANUARY 2015 - DECEMBER 2015**

WEIGHTING FACTOR = 8.86%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10495	10349
NET GENERATION (GWH)	2696.6	2223.2
OPERATING BTU (10 ⁹)	28011.4	23008.6
NET OUTPUT FACTOR	92.5	84.6

10.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-20.12) + 12356.06 = ANOHR$

$84.6 * (-20.12) + 12356.06 = 10654$

$10349 - 10654 = -305$

$10495 + -305 = 10190$ ← ADJUSTED ACTUAL
HEAT RATE AT
TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OUTPUT FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 4
JANUARY 2015 - DECEMBER 2015**

WEIGHTING FACTOR = 8.75%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10416	10377
NET GENERATION (GWH)	2932.9	2769.1
OPERATING BTU (10 ⁹)	29634.4	28733.9
NET OUTPUT FACTOR	97.6	82.8

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-0.94) + 10507.72 = ANOHR$

$82.8 * (-0.94) + 10507.72 = 10430$

$10377 - 10430 = -53$

$10416 + -53 = 10363$ ← ADJUSTED ACTUAL HEAT RATE AT TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OUTPUT FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
POLK UNIT NO. 1
JANUARY 2015 - DECEMBER 2015**

WEIGHTING FACTOR = 16.44%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10552	10269
NET GENERATION (GWH)	1410.2	1237.4
OPERATING BTU (10 ⁹)	14278.0	12707.2
NET OUTPUT FACTOR	96.6	94.2

6.998 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-47.27) + 15116.96 = \text{ANOHR}$

$$94.2 * (-47.27) + 15116.96 = 10664$$

$$10269 - 10664 = -395$$

$$10552 + -395 = 10157 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OUTPUT FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BAYSIDE UNIT NO. 1
JANUARY 2015 - DECEMBER 2015**

WEIGHTING FACTOR = 7.26%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7271	7293
NET GENERATION (GWH)	2619.6	3649.3
OPERATING BTU (10 ⁹)	19239.4	26612.5
NET OUTPUT FACTOR	52.3	67.8

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-2.99) + 7427.77 = ANOHR$

$$67.8 * (-2.99) + 7427.77 = 7225$$

$$7293 - 7225 = 67$$

$$7271 + 67 = 7339 \quad \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OUTPUT FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BAYSIDE UNIT NO. 2
JANUARY 2015 - DECEMBER 2015**

WEIGHTING FACTOR = 10.06%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7397	7314
NET GENERATION (GWH)	3795.9	5267.2
OPERATING BTU (10 ⁹)	27799.2	38524.7
NET OUTPUT FACTOR	51.7	70.1

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-5.8) + 7696.59 = \text{ANOHR}$

$70.1 * (-5.8) + 7696.59 = 7290$

7314 - 7290 = 24

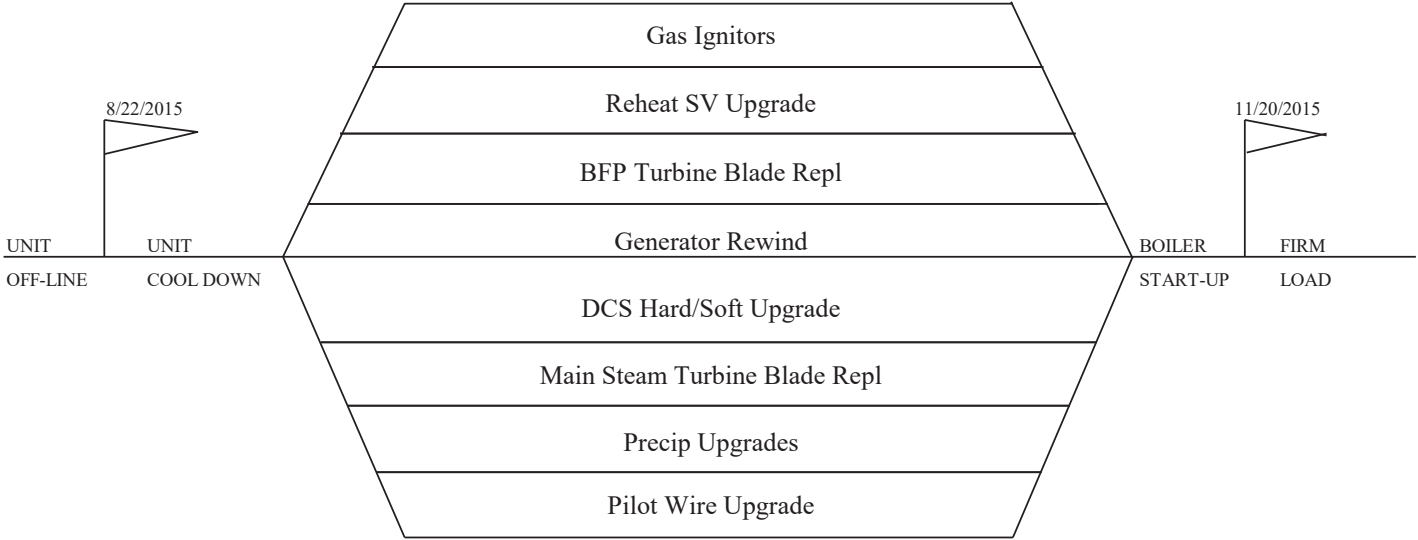
7397 + 24 = 7421 ← ADJUSTED ACTUAL
HEAT RATE AT
TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OUTPUT FACTOR

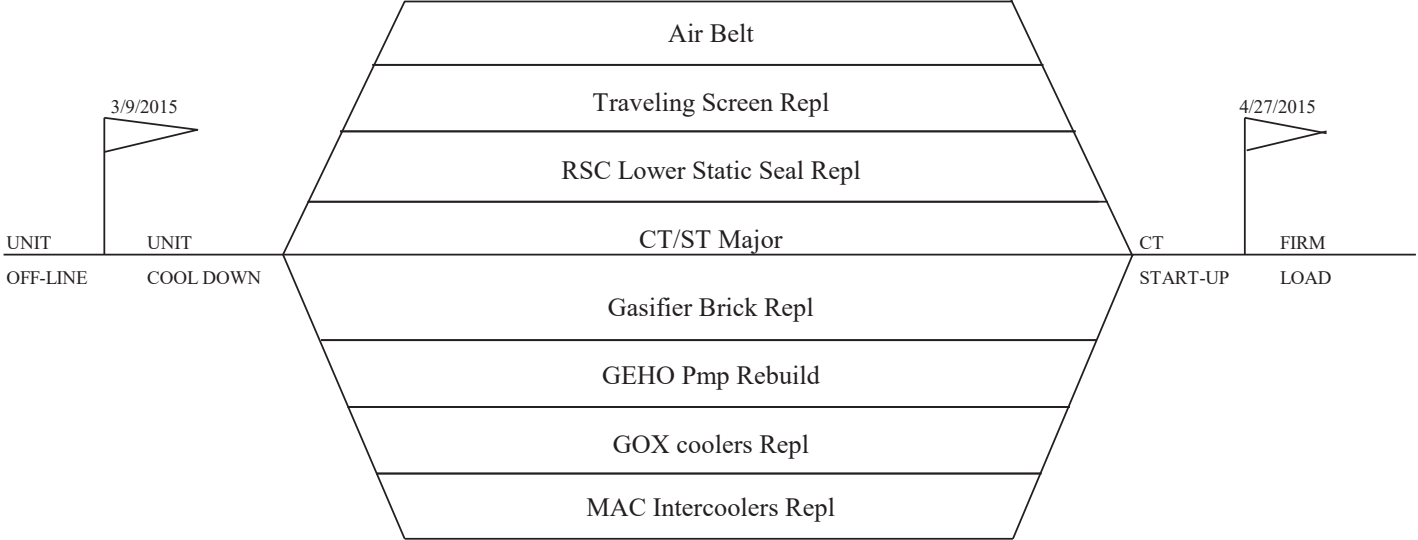
**TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ACTUAL)
GPIF UNITS
JANUARY 2015 - DECEMBER 2015**

PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DESCRIPTION
+ BIG BEND 1	Jan 21 - Jan 30 Aug 22 - Nov 20	Fuel System Cleanup and FGD/SCR work Reheat SV Upgrade, BFP Turbine Blade Repl, DCS Hard/Soft Upgrade, Generator Rewind, Main Steam Turbine Blade Replac, Precip Upgrades, Pilot Wire Upgrade, Gas Igniters
BIG BEND 2	Jan 21 - Jan 31 May 26 - Jun 12	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
BIG BEND 3	Jan 05 - Jan 18	Fuel System Cleanup and FGD/SCR work
BIG BEND 4	May 01 - May 15	Fuel System Cleanup and FGD/SCR work
+ POLK 1	Mar 09 - Apr 27	CT/ST Major, Traveling Screen Repl, Gasifier Brick Repl, RSC Lower Static Seal Repl, Air Belt, GEHO Pmp Rebuild, GOX coolers repl, MAC Intercoolers Repl
+ BAYSIDE 1	Apr 12 - Apr 24 Oct 23 - Nov 22	Fuel System Cleanup Steam Turbine Intercept, Hot Reheat, Governor and Throttle valve maintenance. 1A, 1B, 1C Blowdown Tank replacment, HP to CRH attemperation system and valve, 1B Circ pump and motor
BAYSIDE 2	Feb 22 - Mar 08 Dec 01 - Dec 13	Fuel System Cleanup Fuel System Cleanup
+ 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 2015 - DECEMBER 2015

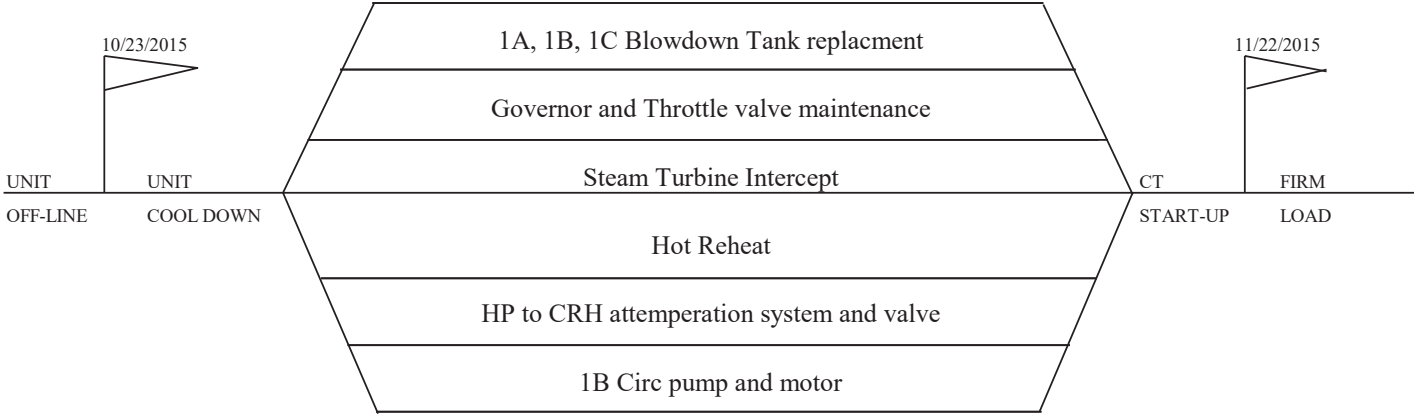


TAMPA ELECTRIC COMPANY
 BIG BEND UNIT 1
 PLANNED OUTAGE 2015
 ACTUAL CPM



TAMPA ELECTRIC COMPANY
 POLK UNIT 1
 PLANNED OUTAGE 2015
 ACTUAL CPM

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2015 - DECEMBER 2015



TAMPA ELECTRIC COMPANY
BAYSIDE UNIT 1
PLANNED OUTAGE 2015
ACTUAL CPM

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
JANUARY 2015 - DECEMBER 2015

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,197.9	65.5	+10	1,299.3	10,368
+9	1,078.1	65.1	+9	1,169.4	10,380
+8	958.3	64.7	+8	1,039.5	10,392
+7	838.6	64.2	+7	909.5	10,404
+6	718.8	63.8	+6	779.6	10,416
+5	599.0	63.4	+5	649.7	10,428
+4	479.2	62.9	+4	519.7	10,440
+3	359.4	62.5	+3	389.8	10,452
+2	239.6	62.1	+2	259.9	10,464
+1	119.8	61.6	+1	129.9	10,476
0	0.0	61.2	0	0.0	10,488
-1	(28.5)	60.4	-1	(129.9)	10,563
-2	(57.0)	59.5	-2	(259.9)	10,638
-3	(85.5)	58.6	-3	(389.8)	10,649
-4	(114.0)	57.8	-4	(519.7)	10,661
-5	(142.4)	56.9	-5	(649.7)	10,673
-6	(170.9)	56.0	-6	(779.6)	10,685
-7	(199.4)	55.2	-7	(909.5)	10,697
-8	(227.9)	54.3	-8	(1,039.5)	10,709
-9	(256.4)	53.5	-9	(1,169.4)	10,721
-10	(284.9)	52.6	-10	(1,299.3)	10,733

EAF
POINTS
2.288

Adjusted
EAF
62.2

AHR
POINTS
-10.000

Adjusted
ANOHR
10,784

Weighting Factor =

7.68%

Weighting Factor =

8.33%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2015 - DECEMBER 2015

BIG BEND 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	314.8	79.2	+10	1,739.7	10,149
+9	283.3	78.8	+9	1,565.7	10,165
+8	251.8	78.4	+8	1,391.8	10,180
+7	220.3	78.0	+7	1,217.8	10,195
+6	188.9	77.6	+6	1,043.8	10,211
+5	157.4	77.2	+5	869.9	10,226
+4	125.9	76.8	+4	695.9	10,242
+3	94.4	76.4	+3	521.9	10,257
+2	63.0	76.0	+2	347.9	10,273
+1	31.5	75.6	+1	174.0	10,288
					10,304
0	0.0	75.2	0	0.0	10,379
					10,454
-1	(54.8)	74.4	-1	(174.0)	10,469
-2	(109.6)	73.6	-2	(347.9)	10,485
-3	(164.4)	72.8	-3	(521.9)	10,500
-4	(219.2)	72.0	-4	(695.9)	10,516
-5	(274.0)	71.2	-5	(869.9)	10,531
-6	(328.9)	70.4	-6	(1,043.8)	10,547
-7	(383.7)	69.6	-7	(1,217.8)	10,562
-8	(438.5)	68.8	-8	(1,391.8)	10,578
-9	(493.3)	68.1	-9	(1,565.7)	10,593
-10	(548.1)	67.3	-10	(1,739.7)	10,609

AHR POINTS
0.000

Adjusted ANOHR
10,383

EAFF POINTS
-10.000

Adjusted EAFF
46.2

Weighting Factor =

2.02%

Weighting Factor =

11.15%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2015 - DECEMBER 2015

BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	229.3	82.4	+10	1,382.3	10,326
+9	206.4	82.1	+9	1,244.1	10,336
+8	183.5	81.8	+8	1,105.9	10,345
+7	160.5	81.5	+7	967.6	10,355
+6	137.6	81.1	+6	829.4	10,364
+5	114.7	80.8	+5	691.2	10,373
+4	91.7	80.5	+4	552.9	10,383
+3	68.8	80.2	+3	414.7	10,392
+2	45.9	79.9	+2	276.5	10,402
+1	22.9	79.6	+1	138.2	10,411
0	0.0	79.2	0	0.0	10,420
-1	(57.3)	78.6	-1	(138.2)	10,495
-2	(114.5)	78.0	-2	(276.5)	10,570
-3	(171.8)	77.3	-3	(414.7)	10,580
-4	(229.1)	76.7	-4	(552.9)	10,589
-5	(286.3)	76.1	-5	(691.2)	10,599
-6	(343.6)	75.4	-6	(829.4)	10,608
-7	(400.8)	74.8	-7	(967.6)	10,617
-8	(458.1)	74.2	-8	(1,105.9)	10,627
-9	(515.4)	73.5	-9	(1,244.1)	10,636
-10	(572.6)	72.9	-10	(1,382.3)	10,646

Weighting Factor =

1.47%

Weighting Factor =

8.86%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2015 - DECEMBER 2015

BIG BEND 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	635.7	83.2	+10	1,365.4	10,245
+9	572.1	83.0	+9	1,228.9	10,254
+8	508.5	82.7	+8	1,092.3	10,264
+7	445.0	82.4	+7	955.8	10,274
+6	381.4	82.1	+6	819.2	10,283
+5	317.8	81.8	+5	682.7	10,293
+4	254.3	81.5	+4	546.2	10,302
+3	190.7	81.2	+3	409.6	10,312
+2	127.1	80.9	+2	273.1	10,322
+1	63.6	80.6	+1	136.5	10,331
					10,341
0	0.0	80.3	0	0.0	10,416
					10,491
-1	(110.4)	79.7	-1	(136.5)	10,501
-2	(220.8)	79.1	-2	(273.1)	10,510
-3	(331.1)	78.5	-3	(409.6)	10,520
-4	(441.5)	77.9	-4	(546.2)	10,529
-5	(551.9)	77.3	-5	(682.7)	10,539
-6	(662.3)	76.8	-6	(819.2)	10,549
-7	(772.7)	76.2	-7	(955.8)	10,558
-8	(883.0)	75.6	-8	(1,092.3)	10,568
-9	(993.4)	75.0	-9	(1,228.9)	10,578
-10	(1,103.8)	74.4	-10	(1,365.4)	10,587

AHR POINTS
0.000

Adjusted ANOHR
10,363

EAFF POINTS
-2.700

Adjusted EAFF
78.7

Weighting Factor =

4.07%

Weighting Factor =

8.75%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2015 - DECEMBER 2015

POLK 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	91.9	79.6	+10	2,564.5	10,020
+9	82.7	79.4	+9	2,308.1	10,065
+8	73.5	79.1	+8	2,051.6	10,111
+7	64.3	78.9	+7	1,795.2	10,157
+6	55.1	78.6	+6	1,538.7	10,203
+5	45.9	78.4	+5	1,282.3	10,248
+4	36.7	78.1	+4	1,025.8	10,294
+3	27.6	77.8	+3	769.4	10,340
+2	18.4	77.6	+2	512.9	10,386
+1	9.2	77.3	+1	256.5	10,431
0	0.0	77.1	0	0.0	10,477
-1	(22.2)	76.6	-1	(256.5)	10,552
-2	(44.4)	76.1	-2	(512.9)	10,627
-3	(66.6)	75.6	-3	(769.4)	10,673
-4	(88.9)	75.1	-4	(1,025.8)	10,719
-5	(111.1)	74.6	-5	(1,282.3)	10,764
-6	(133.3)	74.1	-6	(1,538.7)	10,810
-7	(155.5)	73.5	-7	(1,795.2)	10,856
-8	(177.7)	73.0	-8	(2,051.6)	10,902
-9	(199.9)	72.5	-9	(2,308.1)	10,947
-10	(222.1)	72.0	-10	(2,564.5)	10,993

AHR POINTS
6.998

Adjusted ANOHR
10,157

EAFF POINTS
-10.000

Adjusted EAF
70.3

Weighting Factor =

0.59%

Weighting Factor =

16.44%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2015 - DECEMBER 2015

BAYSIDE 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	522.4	91.2	+10	1,132.4	7,160
+9	470.2	91.0	+9	1,019.2	7,163
+8	417.9	90.9	+8	905.9	7,167
+7	365.7	90.8	+7	792.7	7,171
+6	313.5	90.6	+6	679.4	7,174
+5	261.2	90.5	+5	566.2	7,178
+4	209.0	90.4	+4	453.0	7,182
+3	156.7	90.2	+3	339.7	7,185
+2	104.5	90.1	+2	226.5	7,189
+1	52.2	90.0	+1	113.2	7,193
0	0.0	89.9	0	0.0	7,271
-1	(90.9)	89.6	-1	(113.2)	7,350
-2	(181.7)	89.3	-2	(226.5)	7,354
-3	(272.6)	89.1	-3	(339.7)	7,358
-4	(363.4)	88.8	-4	(453.0)	7,361
-5	(454.3)	88.6	-5	(566.2)	7,365
-6	(545.2)	88.3	-6	(679.4)	7,369
-7	(636.0)	88.1	-7	(792.7)	7,372
-8	(726.9)	87.8	-8	(905.9)	7,376
-9	(817.7)	87.5	-9	(1,019.2)	7,380
-10	(908.6)	87.3	-10	(1,132.4)	7,383

Weighting Factor =

3.35%

Weighting Factor =

7.26%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2015 - DECEMBER 2015

BAYSIDE 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,556.9	88.4	+10	1,570.2	7,302
+9	1,401.3	88.2	+9	1,413.2	7,304
+8	1,245.6	88.0	+8	1,256.2	7,306
+7	1,089.9	87.8	+7	1,099.1	7,308
+6	934.2	87.7	+6	942.1	7,310
+5	778.5	87.5	+5	785.1	7,312
+4	622.8	87.3	+4	628.1	7,314
+3	467.1	87.1	+3	471.1	7,316
+2	311.4	86.9	+2	314.0	7,318
+1	155.7	86.8	+1	157.0	7,320
0	0.0	86.6	0	0.0	7,322
-1	(6.4)	86.2	-1	(157.0)	7,397
-2	(12.8)	85.9	-2	(314.0)	7,472
-3	(19.3)	85.5	-3	(471.1)	7,474
-4	(25.7)	85.2	-4	(628.1)	7,476
-5	(32.1)	84.8	-5	(785.1)	7,478
-6	(38.5)	84.5	-6	(942.1)	7,480
-7	(45.0)	84.1	-7	(1,099.1)	7,482
-8	(51.4)	83.8	-8	(1,256.2)	7,484
-9	(57.8)	83.4	-9	(1,413.2)	7,486
-10	(64.2)	83.0	-10	(1,570.2)	7,488

Weighting Factor =

9.98%

Weighting Factor =

10.06%

TAMPA ELECTRIC COMPANY
COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE

EQUIVALENT AVAILABILITY (%)

<u>PLANT / UNIT</u>	<u>TARGET WEIGHTING FACTOR (%)</u>	<u>NORMALIZED WEIGHTING FACTOR</u>	<u>TARGET PERIOD JAN 15 - DEC 15</u>			<u>ACTUAL PERFORMANCE JAN 15 - DEC 15</u>		
			<u>POF</u>	<u>EUOF</u>	<u>EUOR</u>	<u>POF</u>	<u>EUOF</u>	<u>EUOR</u>
BIG BEND 1	7.68%	26.3%	23.0	15.8	20.5	27.0	14.0	19.2
BIG BEND 2	2.02%	6.9%	6.6	18.2	19.5	7.5	46.8	50.5
BIG BEND 3	1.47%	5.0%	6.6	14.2	15.2	3.7	24.1	25.0
BIG BEND 4	4.07%	14.0%	6.6	13.1	14.1	3.8	15.1	15.7
POLK 1	0.59%	2.0%	13.7	9.2	10.7	13.5	16.0	18.5
BAYSIDE 1	3.35%	11.5%	4.9	5.2	5.5	11.8	2.3	2.6
BAYSIDE 2	9.98%	34.2%	6.0	7.4	7.9	7.2	3.7	3.9
GPIF SYSTEM	29.2%	100.0%	10.7	11.3	13.0	12.4	12.1	14.0
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)			<u>78.1</u>			<u>75.5</u>		
			3 PERIOD AVERAGE			3 PERIOD AVERAGE		
			<u>POF EUOF EUOR</u>			<u>EAF</u>		
			9.8 12.5 14.0			77.7		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

<u>PLANT / UNIT</u>	<u>TARGET WEIGHTING FACTOR (%)</u>	<u>NORMALIZED WEIGHTING FACTOR</u>	<u>TARGET HEAT RATE</u>	<u>ADJUSTED ACTUAL HEAT RATE</u>
			<u>JAN 15 - DEC 15</u>	<u>JAN 15 - DEC 15</u>
BIG BEND 1	8.33%	11.8%	10,563	10,784
BIG BEND 2	11.15%	15.7%	10,379	10,383
BIG BEND 3	8.86%	12.5%	10,495	10,190
BIG BEND 4	8.75%	12.4%	10,416	10,363
POLK 1	16.44%	23.2%	10,552	10,157
BAYSIDE 1	7.26%	10.2%	7,271	7,339
BAYSIDE 2	10.06%	14.2%	7,397	7,421
GPIF SYSTEM	70.8%	100.0%		
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)			<u>9,718</u>	<u>9,619</u>

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
JANUARY 2015 - DECEMBER 2015**

Points are calculated according to the formula:

$$GPIP = \sum_{i=1}^n [a_i(EAP_i) + e_i(AHRP_i)]$$

Where:

GPIP = Generating performance incentive points

a_i = Percentage of total system fuel cost reduction attributed to maximum reasonably attainable equivalent availability of unit i during the period

e_i = Percentage of total system fuel cost reduction attributed to minimum reasonably attainable average heat rate of unit i during the period

EAP_i = Equivalent availability points awarded/deducted for unit i

AHRP_i = Average heat rate points awarded/deducted for unit i

Weighting factors and point values are listed on page 4.

<i>GPIP</i> =	7.68%	*	(BB 1 EAP)	+	2.02%	*	(BB 2 EAP)	+	1.47%	*	(BB 3 EAP)	
	+	4.07%	*	(BB 4 EAP)	+	0.59%	*	(PK 1 EAP)	+	3.35%	*	(BAY 1 EAP)
	+	9.98%	*	(BAY 2 EAP)	+	8.33%	*	(BB 1 AHRP)	+	11.15%	*	(BB 2 AHRP)
	+	8.86%	*	(BB 3 AHRP)	+	8.75%	*	(BB 4 AHRP)	+	16.44%	*	(PK 1 AHRP)
	+	7.26%	*	(BAY 1 AHRP)	+	10.06%	*	(BAY 2 AHRP)				

<i>GPIP</i> =	7.68%	*	2.288	+	2.02%	*	-10.000	+	1.47%	*	-10.000	
	+	4.07%	*	-2.700	+	0.59%	*	-10.000	+	3.35%	*	10.000
	+	9.98%	*	10.000	+	8.33%	*	-10.000	+	11.15%	*	0.000
	+	8.86%	*	10.000	+	8.75%	*	0.000	+	16.44%	*	6.998
	+	7.26%	*	0.000	+	10.06%	*	0.000				

<i>GPIP</i> =	0.176		+	-0.202		+	-0.147
	+	-0.110		+	-0.059		0.335
	+	0.998		+	-0.833		0.000
	+	0.886		+	0.000		1.150
	+	0.000		+	0.000		

GPIP = 2.194 POINTS

REWARD/PENALTY dollar amounts of the Generating Performance Incentive Factor (GPIF) are determined directly from the table for the corresponding Generating Performance Points (GPIP) on page 2.

GPIF REWARD = \$1,711,713

ORIGINAL SHEET NO. 8.401.16A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2016 - DECEMBER 2016

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 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	48.0	77.4	91.8	61.7	68.4	88.4	93.3	98.1	94.9	75.7	94.1	63.5	79.6
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	364.7	569.8	683.5	445.7	516.4	720.0	744.0	744.0	702.8	587.0	532.4	499.4	7,109.7
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146.3	0.0	146.3
5. UH	379.3	126.2	59.5	274.3	227.6	0.0	0.0	0.0	17.2	157.0	42.3	244.6	1,528.1
6. POH	0.0	0.0	0.0	274.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	244.6	518.9
7. FOH	379.3	126.2	59.5	0.0	227.6	0.0	0.0	0.0	17.2	157.0	0.0	0.0	966.9
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.3	0.0	42.3
9. PFOH	30.9	94.0	15.9	9.8	10.9	108.4	507.8	0.0	34.0	50.1	0.0	56.9	918.6
10. LR PF (MW)	94.0	131.7	23.5	18.8	161.5	28.8	30.4	0.0	217.3	180.0	0.0	189.9	69.0
11. PMOH	0.0	0.3	1.0	1.4	6.7	408.4	133.3	21.9	1.0	1.0	0.3	0.0	575.3
12. LR PM (MW)	0.0	206.9	214.4	195.0	169.0	70.9	28.7	249.8	216.4	216.9	216.0	0.0	70.3
13. NSC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.0
14. OPR BTU(GBTU)	894.3	1,684.9	1,958.1	1,221.2	1,991.4	2,459.8	2,435.2	2,421.1	2,180.5	1,704.3	1,427.7	1,473.0	21,851.3
15. NET GEN (MWH)	82,135	157,430	181,868	113,374	184,974	230,382	223,155	217,261	195,902	151,866	124,952	133,340	1,996,639
16. ANOHR (BTU/KWH)	10,888.1	10,702.4	10,766.4	10,771.3	10,765.8	10,676.9	10,912.4	11,143.7	11,130.5	11,222.7	11,425.7	11,046.9	10,944.0
17. NOF (%)	57.0	69.9	67.4	66.1	93.0	83.1	77.9	75.8	72.4	67.2	61.0	67.6	72.4
18. NPC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
19. ANOHR EQUATION	ANOHR = NOF	(-16.86) + (12,219)											

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EXHIBIT NO. _____ (BSB-2)
TAMPA ELECTRIC COMPANY
DOCKET NO. 20180001-EI
DOCUMENT NO. 4
PAGE 33 OF 39

ORIGINAL SHEET NO. 8.401.16A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2016 - DECEMBER 2016

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 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	76.7	8.4	68.3	0.0	0.0	36.8	95.6	86.2	62.4	67.8	91.9	59.6	54.8
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	595.3	59.5	570.0	0.0	0.0	353.5	717.0	674.6	489.2	585.8	613.7	496.1	5,154.7
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.5	0.0	79.5
5. UH	148.7	636.5	173.0	720.0	744.0	366.5	27.0	69.4	230.8	158.2	27.8	247.9	3,549.8
6. POH	0.0	0.0	173.0	720.0	744.0	90.0	0.0	0.0	0.0	0.0	0.0	247.9	1,974.9
7. FOH	148.7	636.5	0.0	0.0	0.0	276.5	27.0	69.4	230.8	158.2	0.0	0.0	1,547.1
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	0.0	27.8
9. PFOH	220.2	20.0	519.3	0.0	0.0	137.8	22.3	274.0	450.3	462.0	234.0	468.6	2,808.5
10. LR PF (MW)	31.3	21.9	43.0	0.0	0.0	246.9	15.1	37.5	34.2	67.9	49.7	44.3	54.6
11. PMOH	144.3	0.0	50.7	0.0	0.0	0.0	8.4	11.7	0.0	0.2	0.7	0.0	215.8
12. LR PM (MW)	19.5	0.0	45.9	0.0	0.0	0.0	230.1	216.0	0.0	178.4	216.0	0.0	45.2
13. NSC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
14. OPR BTU(GBTU)	1,571.3	211.3	1,598.4	0.0	0.0	872.0	2,560.0	2,292.2	1,484.7	1,772.6	1,690.4	1,692.0	15,744.9
15. NET GEN (MWH)	138,943	18,535	144,508	0	0	83,401	253,184	221,287	139,783	159,715	148,516	159,739	1,467,611
16. ANOHR (BTU/KWH)	11,308.6	11,401.7	11,060.9	0.0	0.0	10,455.5	10,111.1	10,358.3	10,621.5	11,098.8	11,382.1	10,592.3	10,728.0
17. NOF (%)	59.1	78.9	64.2	0.0	0.0	61.3	91.7	85.2	74.2	70.8	62.9	81.5	73.3
18. NPC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
19. ANOHR EQUATION	ANOHR = NOF (-21.73) + (12,462)												

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ORIGINAL SHEET NO. 8.401.16A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2016 - DECEMBER 2016

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 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	37.8	11.3	53.5	59.3	74.2	52.7	44.6	53.0	49.6	85.4	56.7	65.7	53.9
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	201.7	158.5	660.2	675.6	556.3	622.7	476.6	572.3	516.7	743.1	455.8	664.1	6,303.7
4. RSH	176.3	0.0	71.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	247.8
5. UH	366.0	537.5	11.3	44.4	187.8	97.3	267.4	171.7	203.3	0.9	265.2	79.9	2,232.5
6. POH	313.0	537.5	0.0	0.0	0.0	0.0	0.0	169.0	82.9	0.0	0.0	0.0	1,102.4
7. FOH	53.0	0.0	0.0	44.4	187.8	97.3	267.4	2.7	120.4	0.9	188.4	79.9	1,042.0
8. MOH	0.0	0.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.8	0.0	88.1
9. PFOH	145.2	158.5	660.2	561.0	91.1	587.6	476.6	572.3	516.7	729.8	452.0	575.1	5,525.9
10. LR PF (MW)	266.6	202.4	202.4	175.1	9.4	163.2	120.1	122.9	122.3	58.3	40.9	120.4	130.4
11. PMOH	0.0	0.0	0.0	0.0	9.2	0.4	0.0	0.0	0.0	0.7	0.0	4.8	15.0
12. LR PM (MW)	0.0	0.0	0.0	0.0	84.0	164.7	0.0	0.0	0.0	112.9	0.0	197.6	123.3
13. NSC (MW)	400.0	400.0	400.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	400.0	396.3
14. OPR BTU(GBTU)	405.2	234.4	1,060.7	1,369.2	2,157.6	1,497.2	1,349.8	1,617.1	1,423.2	2,409.5	1,176.2	1,868.7	16,568.7
15. NET GEN (MWH)	34,135	21,494	100,847	131,589	204,773	139,051	122,309	148,589	129,000	228,928	111,580	171,065	1,543,360
16. ANOHR BTU/KWH	11,871.9	10,904.0	10,518.1	10,404.8	10,536.7	10,767.1	11,035.9	10,882.8	11,032.3	10,525.2	10,541.4	10,923.7	10,735.0
17. NOF (%)	42.3	33.9	38.2	49.3	93.2	56.5	65.0	65.7	63.2	78.0	62.0	64.4	61.8
18. NPC (MW)	400.0	400.0	400.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	400.0	396.7
19. ANOHR EQUATION	ANOHR = NOF (-21.73) + (12,462)												

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ORIGINAL SHEET NO. 8.401.16A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2016 - DECEMBER 2016

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 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	92.7	73.4	63.1	68.1	92.3	63.4	74.2	69.6	89.7	84.2	44.8	62.2	73.2
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	744.0	648.9	469.6	551.0	691.5	600.3	640.3	536.7	720.0	737.2	268.1	709.4	7,317.0
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153.0	0.0	153.0
5. UH	0.0	47.1	273.4	169.0	52.5	119.7	103.8	207.3	0.0	6.8	299.9	34.6	1,314.0
6. POH	0.0	47.1	273.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	264.7	0.0	585.2
7. FOH	0.0	0.0	0.0	0.0	1.6	0.0	20.7	207.3	0.0	6.8	9.5	34.6	280.5
8. MOH	0.0	0.0	0.0	169.0	50.9	119.7	83.0	0.0	0.0	0.0	25.7	0.0	448.3
9. PFOH	379.2	627.7	0.0	279.5	35.2	474.0	617.2	281.8	562.4	711.9	24.2	701.6	4,694.9
10. LR PF (MW)	61.5	93.0	0.0	83.3	47.4	132.8	62.4	29.2	52.4	62.5	232.6	152.6	85.8
11. PMOH	4.5	10.9	1.4	12.6	1.5	0.0	0.0	0.0	12.1	25.3	243.9	7.3	319.4
12. LR PM (MW)	138.8	241.0	228.0	255.9	220.0	0.0	0.0	0.0	254.2	154.9	153.2	250.8	166.8
13. NSC (MW)	442.0	442.0	442.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	442.0	438.8
14. OPR BTU(GBTU)	2,255.9	1,823.9	1,126.6	1,536.5	2,677.9	1,911.2	2,403.1	2,274.3	2,775.6	2,558.5	590.6	2,010.0	23,944.1
15. NET GEN (MWH)	215,861	178,896	102,685	149,165	255,872	184,528	230,994	214,424	257,688	246,498	52,412	186,896	2,275,919
16. ANOHR BTU/KWH	10,450.6	10,195.3	10,971.8	10,300.7	10,465.7	10,357.4	10,403.3	10,606.3	10,771.0	10,379.4	11,268.4	10,754.8	10,521.0
17. NOF (%)	65.6	62.4	49.5	61.9	84.7	70.3	82.6	91.4	81.9	76.5	44.7	59.6	70.9
18. NPC (MW)	442.0	442.0	442.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	442.0	438.7
19. ANOHR EQUATION	ANOHR = NOF (-13.92) + (11,725)												

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ORIGINAL SHEET NO. 8.401.16A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2016 - DECEMBER 2016

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 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	100.0	92.3	84.0	74.2	10.2	98.1	97.2	99.4	99.9	83.9	88.4	63.4	82.4
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	744.0	599.4	624.2	534.2	75.7	657.2	723.4	739.6	719.1	624.1	637.3	471.4	7,149.6
4. RSH	0.0	42.8	0.0	0.0	0.0	49.4	0.0	0.0	0.0	0.0	0.0	0.0	92.2
5. UH	0.0	53.8	118.8	185.8	668.3	13.4	20.6	4.4	0.9	119.9	83.7	272.6	1,542.2
6. POH	0.0	0.0	0.0	178.8	635.0	0.0	0.0	0.0	0.0	0.0	83.7	272.6	1,170.0
7. FOH	0.0	38.0	118.8	7.1	33.4	13.4	20.6	4.4	0.9	4.3	0.0	0.0	240.8
8. MOH	0.0	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115.6	0.0	0.0	131.4
9. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. NSC (MW)	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
14. OPR BTU(GBTU)	1,618.4	1,270.0	1,400.2	1,131.8	94.1	1,249.0	1,550.3	1,518.9	1,542.0	1,144.8	1,070.1	964.1	14,553.8
15. NET GEN (MWH)	164,199	127,694	137,804	118,079	2,883	131,352	158,410	151,850	151,392	120,540	114,322	97,650	1,476,175
16. ANOHR BTU/KWH	9,856.5	9,945.4	10,160.7	9,585.3	32,651.4	9,509.1	9,786.9	10,002.8	10,185.4	9,496.9	9,360.1	9,873.3	9,859.0
17. NOF (%)	100.3	96.8	100.3	100.5	17.3	90.9	99.5	93.3	95.7	87.8	81.5	94.2	93.8
18. NPC (MW)	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
19. ANOHR EQUATION	ANOHR = NOF (-22.73) + (12,327)												

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA Revised 10/2017

JANUARY 2016 - DECEMBER 2016

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 UNIT 1	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	100.0	61.5	99.7	99.3	98.4	96.6	100.0	99.8	97.7	25.3	0.0	57.5	78.1
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	744.0	444.6	743.0	718.4	744.0	720.0	744.0	744.0	720.0	210.6	0.0	454.0	6,986.6
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.5
5. UH	0.0	251.4	0.0	1.6	0.0	0.0	0.0	0.0	0.0	533.4	721.0	285.5	1,792.9
6. POH	0.0	251.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	533.4	721.0	251.6	1,757.4
7. FOH	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.7	34.2
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
9. PFOH	0.2	0.1	7.1	2.1	36.7	0.0	0.0	6.5	1.8	0.0	0.0	152.9	207.3
10. LR PF (MW)	0.0	264.0	264.0	233.7	233.7	0.0	0.0	190.0	233.7	0.0	0.0	108.2	140.6
11. PMOH	0.0	49.3	0.0	9.2	0.0	74.3	0.0	0.0	46.9	67.0	0.0	666.8	913.5
12. LR PM (MW)	0.0	264.0	0.0	233.7	0.0	233.7	0.0	0.0	233.7	233.7	0.0	11.7	73.3
13. NSC (MW)	792.0	792.0	792.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	792.0	732.1
14. OPR BTU(GBTU)	2,763.9	1,716.0	2,736.0	2,802.2	2,429.1	2,600.6	2,713.5	2,534.2	2,435.1	609.9	0.0	845.5	24,186.0
15. NET GEN (MWH)	377,266	231,967	368,785	376,751	332,398	351,323	366,732	342,562	334,034	82,689	0	117,179	3,281,686
16. ANOHR (BTU/KWH)	7,326.1	7,397.7	7,418.9	7,437.8	7,307.8	7,402.2	7,399.1	7,397.9	7,290.0	7,375.5	0.0	7,215.7	7,370.0
17. NOF (%)	64.0	65.9	62.7	74.8	63.7	69.6	70.3	65.7	66.2	56.0	0.0	32.6	64.2
18. NPC (MW)	792.0	792.0	792.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	792.0	731.3
19. ANOHR EQUATION	ANOHR = NOF (-1.507) + (7.359)												

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ORIGINAL SHEET NO. 8.401.16A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA Revised 10/2017

JANUARY 2016 - DECEMBER 2016

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 UNIT 2	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	98.0	84.6	49.8	94.5	99.0	91.4	99.7	99.5	46.8	93.5	98.7	94.4	87.4
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	744.0	647.6	487.8	711.3	744.0	714.0	744.0	744.0	398.0	731.3	721.0	744.0	8,131.1
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	2.2
5. UH	0.0	48.4	255.2	8.7	0.0	6.0	0.0	0.0	322.0	10.5	0.0	0.0	650.8
6. POH	0.0	48.4	255.2	0.0	0.0	0.0	0.0	0.0	322.0	0.0	0.0	0.0	625.6
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. MOH	0.0	0.0	0.0	8.7	0.0	6.0	0.0	0.0	0.0	10.5	0.0	0.0	25.2
9. PFOH	0.3	10.3	52.3	0.0	42.0	151.9	0.0	23.1	2.1	124.0	12.3	168.0	586.2
10. LR PF (MW)	261.8	261.8	261.8	0.0	2.5	232.3	0.0	145.2	232.3	232.3	232.3	261.8	224.0
11. PMOH	58.6	224.5	478.0	123.3	29.1	72.8	8.8	0.0	61.9	28.8	24.8	0.0	1,110.6
12. LR PM (MW)	261.8	261.8	229.5	232.3	232.3	232.3	232.3	0.0	907.8	232.3	232.3	0.0	276.2
13. NSC (MW)	1,047.0	1,047.0	1,047.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	1,047.0	967.1
14. OPR BTU(GBTU)	3,286.1	3,245.7	1,665.9	3,441.5	3,087.5	3,190.7	2,996.5	2,994.2	1,203.5	2,782.0	3,603.8	2,634.0	34,131.4
15. NET GEN (MWH)	448,880	437,523	218,662	459,495	420,466	430,613	402,670	403,380	163,358	362,913	436,801	349,652	4,534,413
16. ANOHR (BTU/KWH)	7,320.6	7,418.3	7,618.7	7,489.7	7,343.1	7,409.6	7,441.6	7,422.8	7,367.4	7,665.7	8,250.5	7,533.3	7,527.0
17. NOF (%)	57.6	64.5	42.8	69.5	60.8	64.9	58.3	58.4	44.2	53.4	65.2	44.9	57.7
18. NPC (MW)	1,047.0	1,047.0	1,047.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	1,047.0	968.3
19. ANOHR EQUATION	ANOHR = NOF (-6.489) + (7.735)												

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TAMPA ELECTRIC COMPANY
DOCKET NO. 20180001-EI
GPIF 2017 FINAL TRUE-UP
DOCUMENT NO. 5

EXHIBIT TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCKET NO. 20180001-EI

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2016 - DECEMBER 2016
TARGETS

DOCUMENT NO. 5

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2016 - DECEMBER 2016
TARGETS
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**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE
JANUARY 2016 - DECEMBER 2016**

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+10	18,371.6	9,185.8
+9	16,534.5	8,267.2
+8	14,697.3	7,348.6
+7	12,860.1	6,430.1
+6	11,023.0	5,511.5
+5	9,185.8	4,592.9
+4	7,348.6	3,674.3
+3	5,511.5	2,755.7
+2	3,674.3	1,837.2
+1	1,837.2	918.6
0	0.0	0.0
-1	(1,852.3)	(918.6)
-2	(3,704.6)	(1,837.2)
-3	(5,556.9)	(2,755.7)
-4	(7,409.2)	(3,674.3)
-5	(9,261.5)	(4,592.9)
-6	(11,113.8)	(5,511.5)
-7	(12,966.1)	(6,430.1)
-8	(14,818.4)	(7,348.6)
-9	(16,670.6)	(8,267.2)
-10	(18,522.9)	(9,185.8)

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
JANUARY 2016 - DECEMBER 2016**

Line 1	Beginning of period balance of common equity:		\$	2,271,393,000	
	End of month common equity:				
Line 2	Month of January	2016	\$	2,216,992,000	
Line 3	Month of February	2016	\$	2,235,928,807	
Line 4	Month of March	2016	\$	2,255,027,365	
Line 5	Month of April	2016	\$	2,290,654,692	
Line 6	Month of May	2016	\$	2,310,220,701	
Line 7	Month of June	2016	\$	2,329,953,836	
Line 8	Month of July	2016	\$	2,274,929,054	
Line 9	Month of August	2016	\$	2,294,360,740	
Line 10	Month of September	2016	\$	2,313,958,405	
Line 11	Month of October	2016	\$	2,349,718,897	
Line 12	Month of November	2016	\$	2,369,789,413	
Line 13	Month of December	2016	\$	2,390,031,364	
Line 14	(Summation of line 1 through line 13 divided by 13)		\$	2,300,227,560	
Line 15	25 Basis points			0.0025	
Line 16	Revenue Expansion Factor			61.27%	
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)		\$	9,386,068	
Line 18	Jurisdictional Sales			18,790,524	MWH
Line 19	Total Sales			18,790,524	MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)			100.00%	
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)		\$	9,386,068	
Line 22	Incentive Cap (50% of projected fuel savings at 10 GPIF-point level from Sheet No. 3.515)		\$	9,185,810	
Line 23	Maximum Allowed GPIF Reward (at 10 GPIF-point level) (the lesser of line 21 and line 22)		\$	9,185,810	

Note: Line 22 and 23 are as approved by Commission order PSC-13-0665-FOF-EI dated 12/18/13 effective 1/1/14.

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2016 - DECEMBER 2016

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	2.08%	78.7	82.0	72.2	382.8	(960.8)
BIG BEND 2	4.86%	68.7	72.3	61.6	893.6	(504.8)
BIG BEND 3	3.53%	76.6	79.5	71.0	648.9	(561.3)
BIG BEND 4	3.66%	76.9	80.6	69.7	673.1	(1,958.4)
POLK 1	0.84%	81.5	83.7	77.2	153.6	(511.0)
BAYSIDE 1	4.55%	76.1	78.2	71.8	835.8	(136.0)
BAYSIDE 2	9.32%	83.1	84.9	79.5	1,711.3	(818.2)
GPIF SYSTEM	28.84%					

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	7.62%	10,683	91.1	10,473	10,893	1,399.4	(1,399.4)
BIG BEND 2	13.76%	10,460	92.2	10,025	10,895	2,528.1	(2,528.1)
BIG BEND 3	7.28%	10,654	89.6	10,441	10,867	1,336.8	(1,336.8)
BIG BEND 4	14.48%	10,458	91.0	10,075	10,842	2,659.8	(2,659.8)
POLK 1	7.18%	10,191	94.0	9,837	10,545	1,319.6	(1,319.6)
BAYSIDE 1	10.64%	7,251	71.6	7,073	7,428	1,954.3	(1,954.3)
BAYSIDE 2	10.20%	7,388	53.5	7,244	7,532	1,874.6	(1,874.6)
GPIF SYSTEM	71.16%						

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

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 16 - DEC 16			ACTUAL PERFORMANCE JAN 14 - DEC 14			ACTUAL PERFORMANCE JAN 13 - DEC 13			ACTUAL PERFORMANCE JAN 12 - DEC 12		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
BIG BEND 1	2.08%	7.2%	6.6	14.7	15.8	5.6	10.8	11.5	10.8	17.6	19.8	6.8	26.2	28.3
BIG BEND 2	4.86%	16.9%	18.0	13.2	16.1	8.4	10.6	11.6	6.1	18.3	19.5	4.0	17.9	18.7
BIG BEND 3	3.53%	12.2%	12.3	11.1	12.6	5.1	15.8	16.7	25.0	8.5	11.3	2.8	25.0	25.7
BIG BEND 4	3.66%	12.7%	6.6	16.5	17.7	20.7	11.2	14.2	4.8	17.6	18.5	8.2	16.2	17.6
POLK 1	0.84%	2.9%	10.4	8.1	9.0	5.0	8.7	10.6	15.3	6.7	8.8	12.7	17.3	21.0
BAYSIDE 1	4.55%	15.8%	17.8	6.2	7.5	6.2	11.5	14.1	3.8	7.5	8.7	1.9	3.0	2.0
BAYSIDE 2	9.32%	32.3%	10.6	6.3	7.0	5.0	5.4	5.7	4.1	12.2	13.1	16.5	7.5	2.9
GPIF SYSTEM	28.84%	100.0%	12.4	10.0	11.4	7.8	9.7	11.0	7.8	13.0	14.3	8.5	13.4	12.5
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)			<u>77.6</u>			<u>82.5</u>			<u>79.2</u>			<u>78.0</u>		
			3 PERIOD AVERAGE			3 PERIOD AVERAGE								
			POF	EUOF	EUOR	EAF								
			8.1	12.0	12.6	79.9								

AVERAGE NET OPERATING HEAT RATE (Btu/kWh)

PLANT / UNIT	WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET	ADJUSTED	ADJUSTED	ADJUSTED
			HEAT RATE JAN 16 - DEC 16	ACTUAL PERFORMANCE HEAT RATE JAN 14 - DEC 14	ACTUAL PERFORMANCE HEAT RATE JAN 13 - DEC 13	ACTUAL PERFORMANCE HEAT RATE JAN 12 - DEC 12
BIG BEND 1	7.62%	10.7%	10,683	10,534	10,477	10,496
BIG BEND 2	13.76%	19.3%	10,460	10,251	10,266	10,305
BIG BEND 3	7.28%	10.2%	10,654	10,445	10,565	10,544
BIG BEND 4	14.48%	20.3%	10,458	10,238	10,407	10,384
POLK 1	7.18%	10.1%	10,191	10,198	10,587	10,662
BAYSIDE 1	10.64%	14.9%	7,251	7,408	7,296	7,213
BAYSIDE 2	10.20%	14.3%	7,388	7,479	7,452	7,386
GPIF SYSTEM	71.16%	100.0%				
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kWh)			<u>9,556</u>	<u>9,471</u>	<u>9,533</u>	<u>9,521</u>

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**TAMPA ELECTRIC COMPANY
DERIVATION OF WEIGHTING FACTORS
JANUARY 2016 - DECEMBER 2016
PRODUCTION COSTING SIMULATION
FUEL COST (\$000)**

UNIT PERFORMANCE INDICATOR	AT TARGET (1)	AT MAXIMUM IMPROVEMENT (2)	SAVINGS (3)	WEIGHTING FACTOR (% OF SAVINGS)
EQUIVALENT AVAILABILITY				
EA ₁ BIG BEND 1	679,116.4	678,733.7	382.8	2.08%
EA ₂ BIG BEND 2	679,116.4	678,222.8	893.6	4.86%
EA ₃ BIG BEND 3	679,116.4	678,467.5	648.9	3.53%
EA ₄ BIG BEND 4	679,116.4	678,443.4	673.1	3.66%
EA ₅ POLK 1	679,116.4	678,962.8	153.6	0.84%
EA ₆ BAYSIDE 1	679,116.4	678,280.7	835.8	4.55%
EA ₇ BAYSIDE 2	679,116.4	677,405.1	1,711.3	9.32%
AVERAGE HEAT RATE				
AHR ₁ BIG BEND 1	679,116.4	677,717.0	1,399.4	7.62%
AHR ₂ BIG BEND 2	679,116.4	676,588.4	2,528.1	13.76%
AHR ₃ BIG BEND 3	679,116.4	677,779.7	1,336.8	7.28%
AHR ₄ BIG BEND 4	679,116.4	676,456.7	2,659.8	14.48%
AHR ₅ POLK 1	679,116.4	677,796.9	1,319.6	7.18%
AHR ₆ BAYSIDE 1	679,116.4	677,162.2	1,954.3	10.64%
AHR ₇ BAYSIDE 2	679,116.4	677,241.9	1,874.6	10.20%
TOTAL SAVINGS			18,371.6	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 2016 - DECEMBER 2016

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	382.8	82.0	+10	1,399.4	10,473
+9	344.5	81.7	+9	1,259.5	10,486
+8	306.2	81.3	+8	1,119.5	10,500
+7	267.9	81.0	+7	979.6	10,513
+6	229.7	80.7	+6	839.7	10,527
+5	191.4	80.3	+5	699.7	10,540
+4	153.1	80.0	+4	559.8	10,554
+3	114.8	79.7	+3	419.8	10,567
+2	76.6	79.4	+2	279.9	10,581
+1	38.3	79.0	+1	139.9	10,594
					10,608
0	0.0	78.7	0	0.0	10,683
					10,758
-1	(96.1)	78.1	-1	(139.9)	10,772
-2	(192.2)	77.4	-2	(279.9)	10,785
-3	(288.2)	76.7	-3	(419.8)	10,799
-4	(384.3)	76.1	-4	(559.8)	10,812
-5	(480.4)	75.4	-5	(699.7)	10,826
-6	(576.5)	74.8	-6	(839.7)	10,839
-7	(672.5)	74.1	-7	(979.6)	10,853
-8	(768.6)	73.5	-8	(1,119.5)	10,866
-9	(864.7)	72.8	-9	(1,259.5)	10,880
-10	(960.8)	72.2	-10	(1,399.4)	10,893

Weighting Factor =

2.08%

Weighting Factor =

7.62%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2016 - DECEMBER 2016

BIG BEND 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	893.6	72.3	+10	2,528.1	10,025
+9	804.2	71.9	+9	2,275.3	10,061
+8	714.9	71.6	+8	2,022.5	10,097
+7	625.5	71.2	+7	1,769.7	10,133
+6	536.2	70.9	+6	1,516.8	10,169
+5	446.8	70.5	+5	1,264.0	10,205
+4	357.4	70.2	+4	1,011.2	10,241
+3	268.1	69.8	+3	758.4	10,277
+2	178.7	69.4	+2	505.6	10,313
+1	89.4	69.1	+1	252.8	10,349
					10,385
0	0.0	68.7	0	0.0	10,460
					10,535
-1	(50.5)	68.0	-1	(252.8)	10,571
-2	(101.0)	67.3	-2	(505.6)	10,607
-3	(151.4)	66.6	-3	(758.4)	10,643
-4	(201.9)	65.9	-4	(1,011.2)	10,679
-5	(252.4)	65.2	-5	(1,264.0)	10,715
-6	(302.9)	64.5	-6	(1,516.8)	10,751
-7	(353.4)	63.8	-7	(1,769.7)	10,787
-8	(403.9)	63.1	-8	(2,022.5)	10,823
-9	(454.3)	62.3	-9	(2,275.3)	10,859
-10	(504.8)	61.6	-10	(2,528.1)	10,895

Weighting Factor =

4.86%

Weighting Factor =

13.76%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2016 - DECEMBER 2016

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	648.9	79.5	+10	1,336.8	10,441
+9	584.0	79.2	+9	1,203.1	10,455
+8	519.1	78.9	+8	1,069.4	10,469
+7	454.2	78.6	+7	935.7	10,483
+6	389.4	78.3	+6	802.1	10,496
+5	324.5	78.1	+5	668.4	10,510
+4	259.6	77.8	+4	534.7	10,524
+3	194.7	77.5	+3	401.0	10,538
+2	129.8	77.2	+2	267.4	10,551
+1	64.9	76.9	+1	133.7	10,565
					10,579
0	0.0	76.6	0	0.0	10,654
					10,729
-1	(56.1)	76.1	-1	(133.7)	10,743
-2	(112.3)	75.5	-2	(267.4)	10,757
-3	(168.4)	74.9	-3	(401.0)	10,770
-4	(224.5)	74.4	-4	(534.7)	10,784
-5	(280.6)	73.8	-5	(668.4)	10,798
-6	(336.8)	73.3	-6	(802.1)	10,812
-7	(392.9)	72.7	-7	(935.7)	10,825
-8	(449.0)	72.1	-8	(1,069.4)	10,839
-9	(505.1)	71.6	-9	(1,203.1)	10,853
-10	(561.3)	71.0	-10	(1,336.8)	10,867

Weighting Factor =

3.53%

Weighting Factor =

7.28%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2016 - DECEMBER 2016

BIG BEND 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	673.1	80.6	+10	2,659.8	10,075
+9	605.8	80.2	+9	2,393.8	10,106
+8	538.5	79.8	+8	2,127.8	10,136
+7	471.2	79.5	+7	1,861.8	10,167
+6	403.8	79.1	+6	1,595.9	10,198
+5	336.5	78.8	+5	1,329.9	10,229
+4	269.2	78.4	+4	1,063.9	10,260
+3	201.9	78.0	+3	797.9	10,291
+2	134.6	77.7	+2	532.0	10,321
+1	67.3	77.3	+1	266.0	10,352
					10,383
0	0.0	76.9	0	0.0	10,458
					10,533
-1	(195.8)	76.2	-1	(266.0)	10,564
-2	(391.7)	75.5	-2	(532.0)	10,595
-3	(587.5)	74.8	-3	(797.9)	10,626
-4	(783.4)	74.0	-4	(1,063.9)	10,657
-5	(979.2)	73.3	-5	(1,329.9)	10,687
-6	(1,175.1)	72.6	-6	(1,595.9)	10,718
-7	(1,370.9)	71.9	-7	(1,861.8)	10,749
-8	(1,566.7)	71.1	-8	(2,127.8)	10,780
-9	(1,762.6)	70.4	-9	(2,393.8)	10,811
-10	(1,958.4)	69.7	-10	(2,659.8)	10,842

Weighting Factor =

3.66%

Weighting Factor =

14.48%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2016 - DECEMBER 2016

POLK 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	153.6	83.7	+10	1,319.6	9,837
+9	138.2	83.4	+9	1,187.6	9,865
+8	122.9	83.2	+8	1,055.7	9,892
+7	107.5	83.0	+7	923.7	9,920
+6	92.2	82.8	+6	791.8	9,948
+5	76.8	82.6	+5	659.8	9,976
+4	61.4	82.4	+4	527.8	10,004
+3	46.1	82.2	+3	395.9	10,032
+2	30.7	81.9	+2	263.9	10,060
+1	15.4	81.7	+1	132.0	10,088
					10,116
0	0.0	81.5	0	0.0	10,191
					10,266
-1	(51.1)	81.1	-1	(132.0)	10,294
-2	(102.2)	80.7	-2	(263.9)	10,322
-3	(153.3)	80.2	-3	(395.9)	10,350
-4	(204.4)	79.8	-4	(527.8)	10,377
-5	(255.5)	79.4	-5	(659.8)	10,405
-6	(306.6)	79.0	-6	(791.8)	10,433
-7	(357.7)	78.5	-7	(923.7)	10,461
-8	(408.8)	78.1	-8	(1,055.7)	10,489
-9	(459.9)	77.7	-9	(1,187.6)	10,517
-10	(511.0)	77.2	-10	(1,319.6)	10,545

Weighting Factor =

0.84%

Weighting Factor =

7.18%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2016 - DECEMBER 2016

BAYSIDE 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	835.8	78.2	+10	1,954.3	7,073
+9	752.2	78.0	+9	1,758.8	7,083
+8	668.6	77.8	+8	1,563.4	7,093
+7	585.0	77.6	+7	1,368.0	7,104
+6	501.5	77.3	+6	1,172.6	7,114
+5	417.9	77.1	+5	977.1	7,124
+4	334.3	76.9	+4	781.7	7,134
+3	250.7	76.7	+3	586.3	7,145
+2	167.2	76.5	+2	390.9	7,155
+1	83.6	76.3	+1	195.4	7,165
					7,176
0	0.0	76.1	0	0.0	7,251
					7,326
-1	(13.6)	75.6	-1	(195.4)	7,336
-2	(27.2)	75.2	-2	(390.9)	7,346
-3	(40.8)	74.8	-3	(586.3)	7,356
-4	(54.4)	74.4	-4	(781.7)	7,367
-5	(68.0)	73.9	-5	(977.1)	7,377
-6	(81.6)	73.5	-6	(1,172.6)	7,387
-7	(95.2)	73.1	-7	(1,368.0)	7,398
-8	(108.8)	72.7	-8	(1,563.4)	7,408
-9	(122.4)	72.2	-9	(1,758.8)	7,418
-10	(136.0)	71.8	-10	(1,954.3)	7,428

Weighting Factor =

4.55%

Weighting Factor =

10.64%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2016 - DECEMBER 2016

BAYSIDE 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,711.3	84.9	+10	1,874.6	7,244
+9	1,540.2	84.7	+9	1,687.1	7,251
+8	1,369.1	84.5	+8	1,499.7	7,258
+7	1,197.9	84.3	+7	1,312.2	7,265
+6	1,026.8	84.1	+6	1,124.7	7,272
+5	855.7	84.0	+5	937.3	7,279
+4	684.5	83.8	+4	749.8	7,286
+3	513.4	83.6	+3	562.4	7,292
+2	342.3	83.4	+2	374.9	7,299
+1	171.1	83.3	+1	187.5	7,306
					7,313
0	0.0	83.1	0	0.0	7,388
					7,463
-1	(81.8)	82.7	-1	(187.5)	7,470
-2	(163.6)	82.4	-2	(374.9)	7,477
-3	(245.4)	82.0	-3	(562.4)	7,484
-4	(327.3)	81.6	-4	(749.8)	7,491
-5	(409.1)	81.3	-5	(937.3)	7,498
-6	(490.9)	80.9	-6	(1,124.7)	7,505
-7	(572.7)	80.6	-7	(1,312.2)	7,512
-8	(654.5)	80.2	-8	(1,499.7)	7,519
-9	(736.3)	79.9	-9	(1,687.1)	7,526
-10	(818.2)	79.5	-10	(1,874.6)	7,532

Weighting Factor =

9.32%

Weighting Factor =

10.20%

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2016 - DECEMBER 2016

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-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	2016
1. EAF (%)	84.2	84.2	84.2	44.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	57.1	78.7
2. POF	0.0	0.0	0.0	46.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.3	6.6
3. EUOF	15.8	15.8	15.8	8.4	15.8	15.8	15.8	15.8	15.8	15.8	15.8	10.7	14.7
4. EUOR	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
5. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
6. SH	674	630	674	348	674	652	674	674	652	674	652	456	7,434
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	70	66	69	372	70	68	70	70	68	70	69	288	1,350
9. POH	0	0	0	336	0	0	0	0	0	0	0	240	576
10. EFOH	100	93	99	51	100	96	100	100	96	100	96	67	1,098
11. EMOH	18	17	18	9	18	17	18	18	17	18	17	12	196
12. OPER BTU (GBTU)	2,568	2,443	2,599	1,288	2,527	2,462	2,540	2,548	2,461	2,517	2,445	1,703	28,104
13. NET GEN (MWH)	240,010	229,060	243,430	120,280	236,550	230,770	238,000	238,840	230,660	235,480	228,920	158,680	2,630,680
14. ANOHR (Btu/kwh)	10,699	10,667	10,678	10,706	10,682	10,669	10,673	10,668	10,670	10,689	10,682	10,734	10,683
15. NOF (%)	90.2	92.0	91.4	89.8	91.2	91.9	91.7	92.0	91.9	90.7	91.2	88.1	91.1
16. NPC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	388
17. ANOHR EQUATION	ANOHR = NOF(-16.858) + 12,219												

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2016 - DECEMBER 2016

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-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	2016
1. EAF (%)	83.9	83.9	83.9	5.6	8.1	83.9	83.9	83.9	83.9	83.9	83.9	56.8	68.7
2. POF	0.0	0.0	0.0	93.3	90.3	0.0	0.0	0.0	0.0	0.0	0.0	32.3	18.0
3. EUOF	16.1	16.1	16.1	1.1	1.6	16.1	16.1	16.1	16.1	16.1	16.1	10.9	13.2
4. EUOR	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
5. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
6. SH	663	620	663	43	65	641	663	663	641	663	641	449	6,415
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	81	76	80	677	679	79	81	81	79	81	80	295	2,369
9. POH	0	0	0	672	672	0	0	0	0	0	0	240	1,584
10. EFOH	90	84	90	6	9	87	90	90	87	90	87	61	870
11. EMOH	30	28	30	2	3	29	30	30	29	30	29	20	292
12. OPER BTU (GBTU)	2,477	2,373	2,538	151	224	2,401	2,484	2,488	2,401	2,444	2,382	1,657	24,016
13. NET GEN (MWH)	235,730	227,110	242,890	14,260	21,050	230,070	238,000	238,510	230,090	233,220	227,770	157,270	2,295,970
14. ANOHR (Btu/kwh)	10,507	10,448	10,447	10,591	10,635	10,437	10,437	10,432	10,437	10,477	10,457	10,536	10,460
15. NOF (%)	90.0	92.7	92.7	86.1	84.1	93.2	93.2	93.4	93.2	91.4	92.3	88.7	92.2
16. NPC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	388
17. ANOHR EQUATION	ANOHR = NOF(-21.726) +	12,462							

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2016 - DECEMBER 2016

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-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	2016	
1. EAF (%)	87.4	0.0	70.4	87.4	87.4	87.4	87.4	87.4	87.4	78.9	67.0	87.4	76.6	
2. POF	0.0	100.0	19.4	0.0	0.0	0.0	0.0	0.0	0.0	9.7	23.3	0.0	12.3	
3. EUOF	12.6	0.0	10.2	12.6	12.6	12.6	12.6	12.6	12.6	11.4	9.7	12.6	11.1	
4. EUOR	12.6	0.0	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	
5. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784	
6. SH	706	0	569	683	706	683	706	706	683	638	524	706	7,310	
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0	
8. UH	38	696	174	37	38	37	38	38	37	106	197	38	1,474	
9. POH	0	696	144	0	0	0	0	0	0	72	168	0	1,080	
10. EFOH	68	0	55	66	68	66	68	68	66	62	51	68	709	
11. EMOH	25	0	20	25	25	25	25	25	25	23	19	25	263	
12. OPER BTU (GBTU)	2,597	0	2,175	2,610	2,700	2,615	2,701	2,722	2,625	2,338	1,946	2,631	27,665	
13. NET GEN (MWH)	242,250	0	204,200	245,580	254,070	246,100	254,200	256,520	247,200	218,400	182,180	245,980	2,596,680	
14. ANOHR (Btu/kwh)	10,719	0	10,651	10,629	10,627	10,625	10,627	10,612	10,618	10,704	10,680	10,696	10,654	
15. NOF (%)	85.8	0.0	89.7	91.0	91.1	91.2	91.2	92.0	91.6	86.7	88.0	87.1	89.6	
16. NPC (MW)	400	400	400	395	395	395	395	395	395	395	395	400	397	
17. ANOHR EQUATION	ANOHR = NOF(-17.139) +										12,189

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2016 - DECEMBER 2016

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-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	2016
1. EAF (%)	82.3	82.3	45.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	54.9	82.3	76.9
2. POF	0.0	0.0	45.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	6.6
3. EUOF	17.7	17.7	9.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	11.8	17.7	16.5
4. EUOR	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
5. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
6. SH	660	618	362	639	660	639	660	660	639	660	426	660	7,283
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	84	78	381	81	84	81	84	84	81	84	295	84	1,501
9. POH	0	0	336	0	0	0	0	0	0	0	240	0	576
10. EFOH	104	97	57	101	104	101	104	104	101	104	67	104	1,146
11. EMOH	27	26	15	27	27	27	27	27	27	27	18	27	303
12. OPER BTU (GBTU)	2,744	2,620	1,512	2,661	2,754	2,678	2,764	2,771	2,679	2,734	1,749	2,756	30,421
13. NET GEN (MWH)	261,920	250,810	144,380	254,440	263,390	256,280	264,490	265,320	256,400	261,290	166,910	263,210	2,908,840
14. ANOHR (Btu/kwh)	10,476	10,447	10,469	10,457	10,454	10,448	10,449	10,445	10,447	10,464	10,478	10,470	10,458
15. NOF (%)	89.8	91.8	90.2	91.1	91.3	91.8	91.7	92.0	91.8	90.6	89.7	90.2	91.0
16. NPC (MW)	442	442	442	437	437	437	437	437	437	437	437	442	439
17. ANOHR EQUATION	ANOHR = NOF(-13.919) +	11,725								

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2016 - DECEMBER 2016

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-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	2016
1. EAF (%)	91.0	62.7	20.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	75.8	91.0	81.5
2. POF	0.0	31.0	77.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0	10.4
3. EUOF	9.0	6.2	2.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	7.5	9.0	8.1
4. EUOR	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
5. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
6. SH	720	491	163	696	736	708	729	720	698	731	613	720	7,725
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	24	205	580	24	8	12	15	24	22	13	108	24	1,059
9. POH	0	216	576	0	0	0	0	0	0	0	120	0	912
10. EFOH	34	22	8	33	34	33	34	34	33	34	28	34	362
11. EMOH	33	21	7	32	33	32	33	33	32	33	27	33	349
12. OPER BTU (GBTU)	1,519	1,033	343	1,469	1,547	1,491	1,536	1,519	1,472	1,540	1,289	1,519	16,276
13. NET GEN (MWH)	149,060	101,270	33,660	144,160	151,680	146,340	150,780	149,060	144,540	151,160	126,380	149,060	1,597,150
14. ANOHR (Btu/kwh)	10,188	10,196	10,193	10,187	10,198	10,191	10,190	10,188	10,187	10,190	10,197	10,188	10,191
15. NOF (%)	94.1	93.8	93.9	94.1	93.7	94.0	94.0	94.1	94.1	94.0	93.7	94.1	94.0
16. NPC (MW)	220	220	220	220	220	220	220	220	220	220	220	220	220
17. ANOHR EQUATION	ANOHR = NOF(-22.730) +	12,327							

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2016 - DECEMBER 2016

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-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	2016
1. EAF (%)	86.5	70.2	92.5	92.5	92.5	92.5	92.5	92.5	70.9	0.0	37.0	92.5	76.1
2. POF	6.5	24.1	0.0	0.0	0.0	0.0	0.0	0.0	23.3	100.0	60.1	0.0	17.8
3. EUOF	7.0	5.7	7.5	7.5	7.5	7.5	7.5	7.5	5.7	0.0	3.0	7.5	6.2
4. EUOR	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0.0	7.5	7.5	7.5
5. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
6. SH	378	484	668	580	669	666	671	669	471	0	197	614	6,067
7. RSH	266	4	19	86	19	0	17	19	40	0	69	74	615
8. UH	100	208	56	54	56	54	56	56	209	744	455	56	2,102
9. POH	48	168	0	0	0	0	0	0	168	744	433	0	1,561
10. EFOH	21	16	23	22	23	22	23	23	17	0	9	23	219
11. EMOH	31	24	33	32	33	32	33	33	25	0	13	33	322
12. OPER BTU (GBTU)	1,242	2,101	2,698	2,258	2,578	2,513	2,561	2,603	1,769	0	591	2,126	23,043
13. NET GEN (MWH)	170,740	290,040	372,020	311,790	355,930	346,790	353,430	359,350	244,160	0	81,310	292,530	3,178,090
14. ANOHR (Btu/kwh)	7,273	7,244	7,253	7,243	7,244	7,247	7,245	7,243	7,247	0	7,270	7,268	7,251
15. NOF (%)	57.0	75.7	70.3	76.7	75.9	74.3	75.1	76.6	73.9	0.0	58.9	60.2	71.6
16. NPC (MW)	792	792	792	701	701	701	701	701	701	701	701	792	731
17. ANOHR EQUATION	ANOHR = NOF(-1.507) +	7,359							

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EXHIBIT NO. _____ (BSB-2)
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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2016 - DECEMBER 2016

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-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	2016
1. EAF (%)	93.0	38.5	54.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0	83.7	75.0	83.1
2. POF	0.0	58.6	41.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	19.4	10.6
3. EUOF	7.0	2.9	4.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.3	5.7	6.3
4. EUOR	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
5. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
6. SH	692	268	402	669	692	669	692	692	669	692	603	558	7,297
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	52	428	341	51	52	51	52	52	51	52	118	186	1,487
9. POH	0	408	311	0	0	0	0	0	0	0	72	144	935
10. EFOH	29	11	17	28	29	28	29	29	28	29	25	24	308
11. EMOH	23	9	13	22	23	22	23	23	22	23	20	19	244
12. OPER BTU (GBTU)	1,470	1,272	1,190	2,728	2,963	2,743	2,881	2,963	2,925	3,091	2,302	1,299	27,927
13. NET GEN (MWH)	194,450	173,410	158,810	371,270	404,430	373,400	392,610	404,400	399,670	423,020	312,180	172,240	3,779,890
14. ANOHR (Btu/kwh)	7,561	7,334	7,490	7,348	7,327	7,346	7,339	7,327	7,318	7,308	7,374	7,544	7,388
15. NOF (%)	26.8	61.8	37.8	59.7	62.9	60.0	61.1	62.9	64.3	65.8	55.7	29.5	53.5
16. NPC (MW)	1,047	1,047	1,047	929	929	929	929	929	929	929	929	1,047	968
17. ANOHR EQUATION	ANOHR = NOF(-6.489) +		7,735						

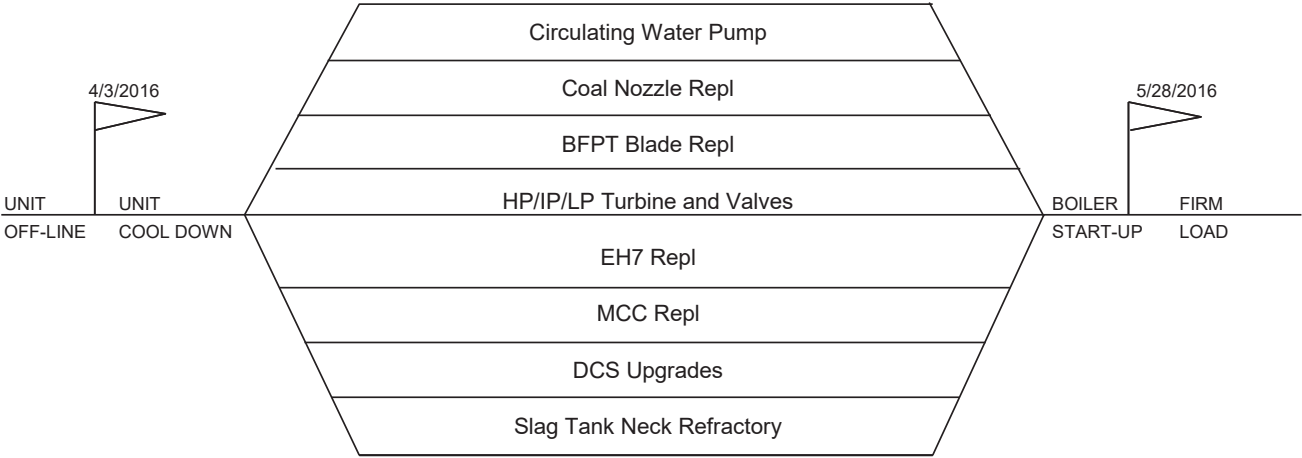
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**TAMPA ELECTRIC COMPANY
ESTIMATED PLANNED OUTAGE SCHEDULE
GPIF UNITS
JANUARY 2016 - DECEMBER 2016**

PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DESCRIPTION
BIG BEND 1	Apr 02 - Apr 15 Dec 03 - Dec 12	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
+ BIG BEND 2	Apr 03 - May 28 Dec 04 - Dec 13	Circulating Water Pump, Coal Nozzle Repl, BFPT Blade Repl, EH7 Repl, HP/IP/LP Turbine and Valves, MCC Repl, DCS Upgrades, Slag Tank Neck Refractory Fuel System Cleanup and FGD/SCR work
+ BIG BEND 3	Feb 01 - Mar 06 Oct 29 - Nov 07	GSU replacement, Circulating Water Pump rebuilds, Econ Ash Hopper Vibrators, Slag Tank Neck Refractory, Pulverizer Inlet Chutes, Coal nozzles, Sootblower system, BFPT Element and casing Fuel System Cleanup and FGD/SCR work
BIG BEND 4	Mar 14 - Mar 27 Nov 12 - Nov 21	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
+ POLK 1	Feb 21 - Mar 24 Nov 13 - Nov 17	Replace CT 1 Stage nozzles, CT Combustion Inspection, Replace HRSG Module 1 Roof, Replace MAC filters, Hydrolase ASU Heat Exchangers, Replace Rich/Lean Amine Heat Exchanger, Replace Geho Check Valve Components, Clean COS Hydrolysis Knock Out Drum Gasifier Outage
+ BAYSIDE 1	Jan 30 - Feb 07 Sep 24 - Nov 18	Fuel System Cleanup GSU replacement, HP/IP/LP steam turbine ring and seal replacement, turbine valves, generator inspection
+ BAYSIDE 2	Feb 13 - Mar 13 Nov 28 - Dec 06	Upgrading the reheat stop valves, turbine valves, Unit 2 cooling tower replacement, CT inspections Fuel System Cleanup

+ These units have CPM included. 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 2016 - DECEMBER 2016

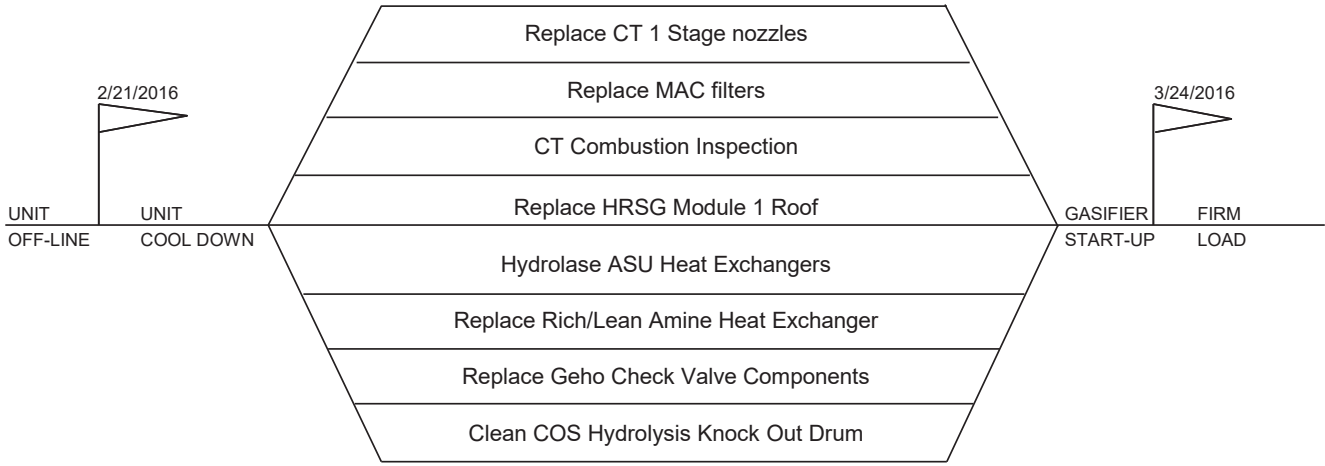


TAMPA ELECTRIC COMPANY
 BIG BEND 2
 PLANNED OUTAGE 2016
 PROJECTED CPM

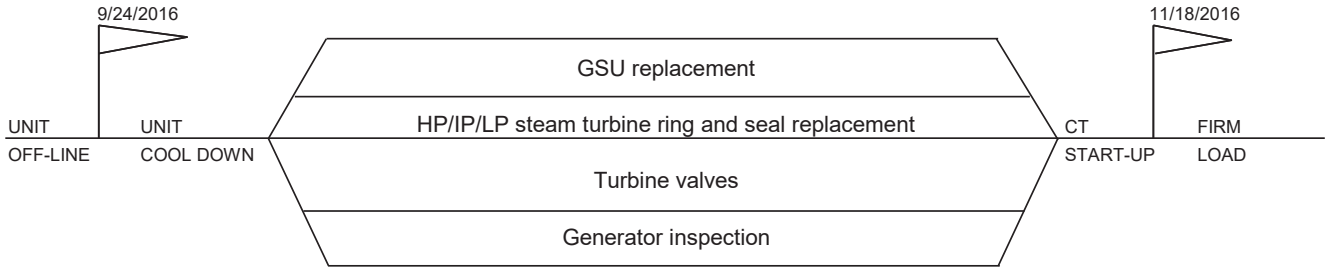


TAMPA ELECTRIC COMPANY
 BIG BEND 3
 PLANNED OUTAGE 2016
 PROJECTED CPM

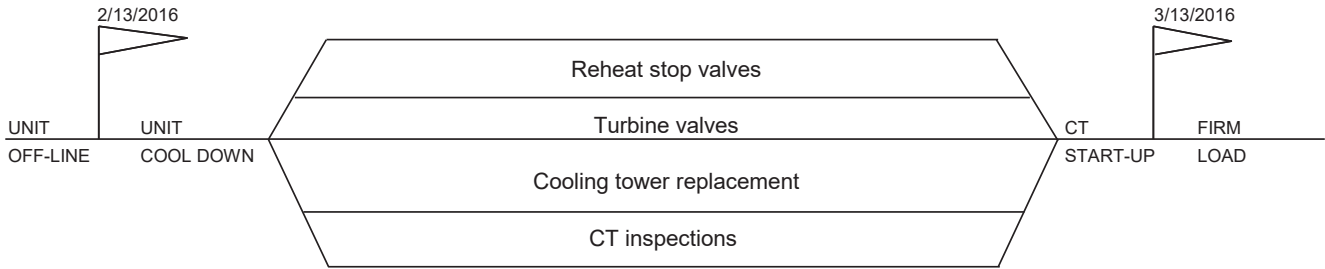
TAMPA ELECTRIC COMPANY
 CRITICAL PATH METHOD DIAGRAMS
 GPIF UNITS > FOUR WEEKS
 JANUARY 2016 - DECEMBER 2016



TAMPA ELECTRIC COMPANY
 POLK 1
 PLANNED OUTAGE 2016
 PROJECTED CPM

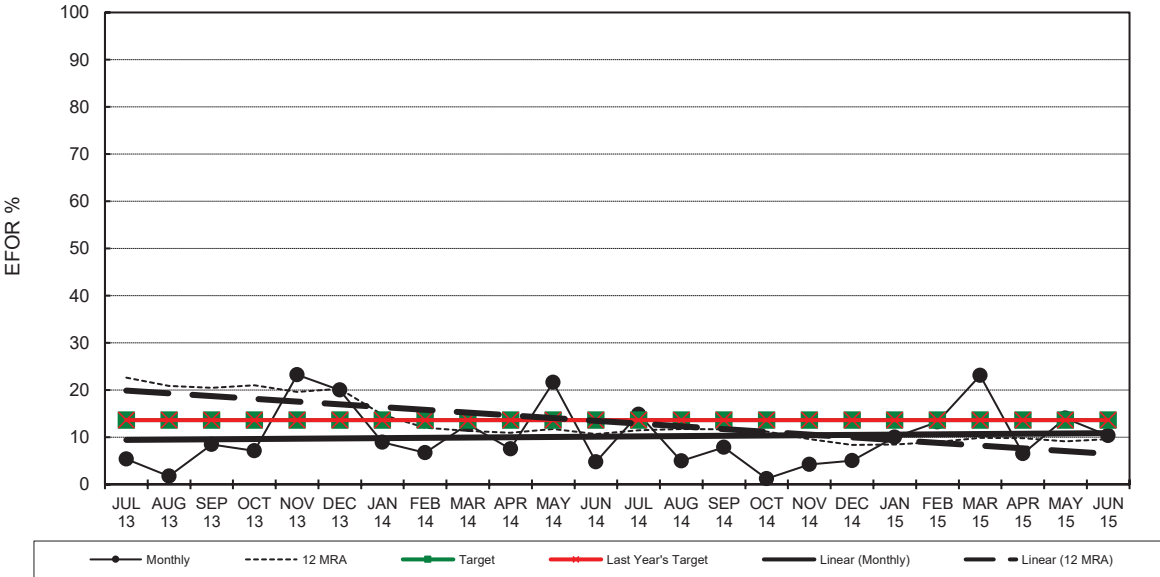


TAMPA ELECTRIC COMPANY
 BAYSIDE 1
 PLANNED OUTAGE 2016
 PROJECTED CPM

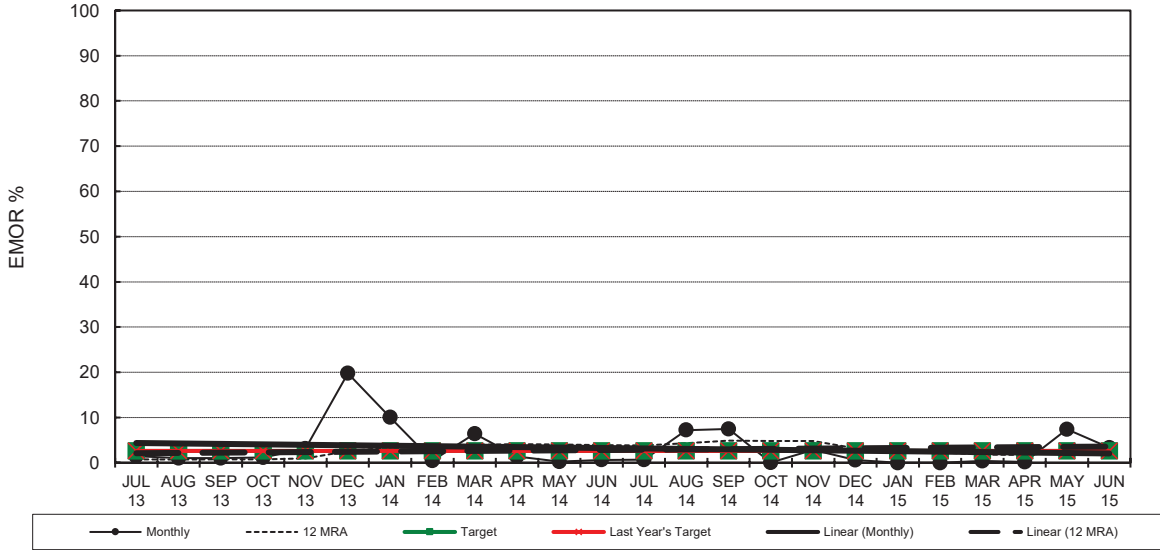


TAMPA ELECTRIC COMPANY
 BAYSIDE 2
 PLANNED OUTAGE 2016
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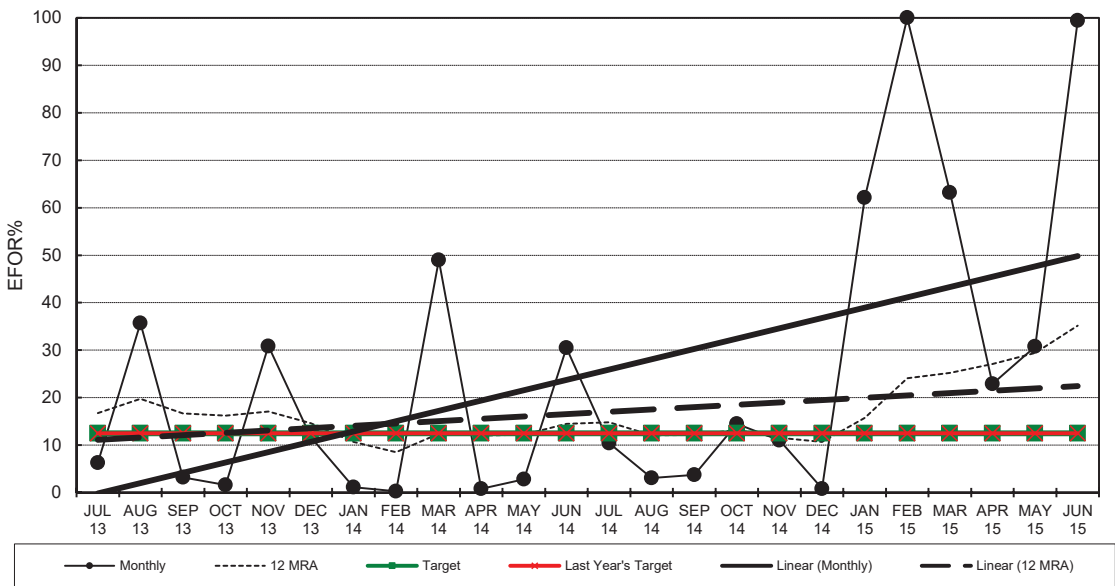
Big Bend Unit 1
 EFOR



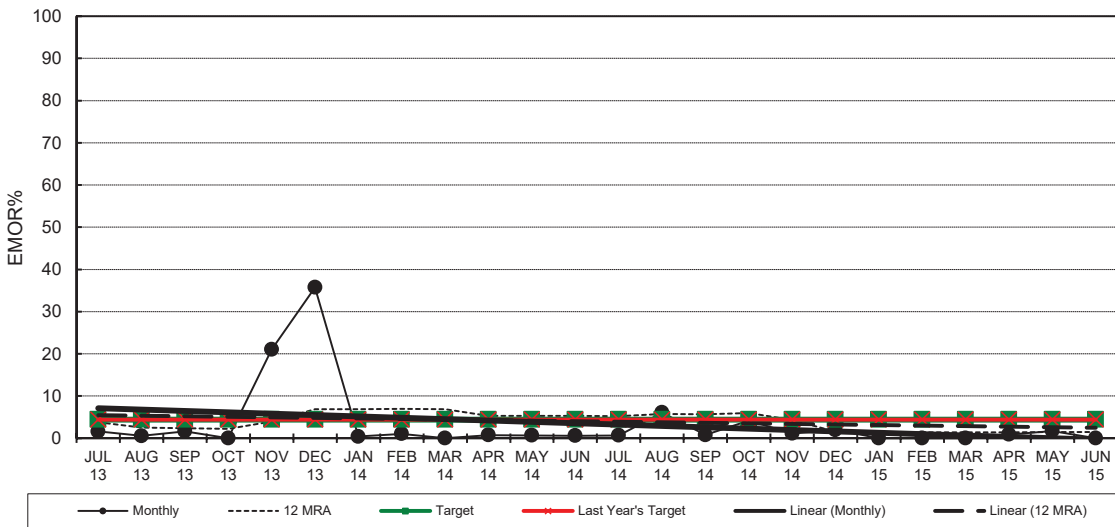
Big Bend Unit 1
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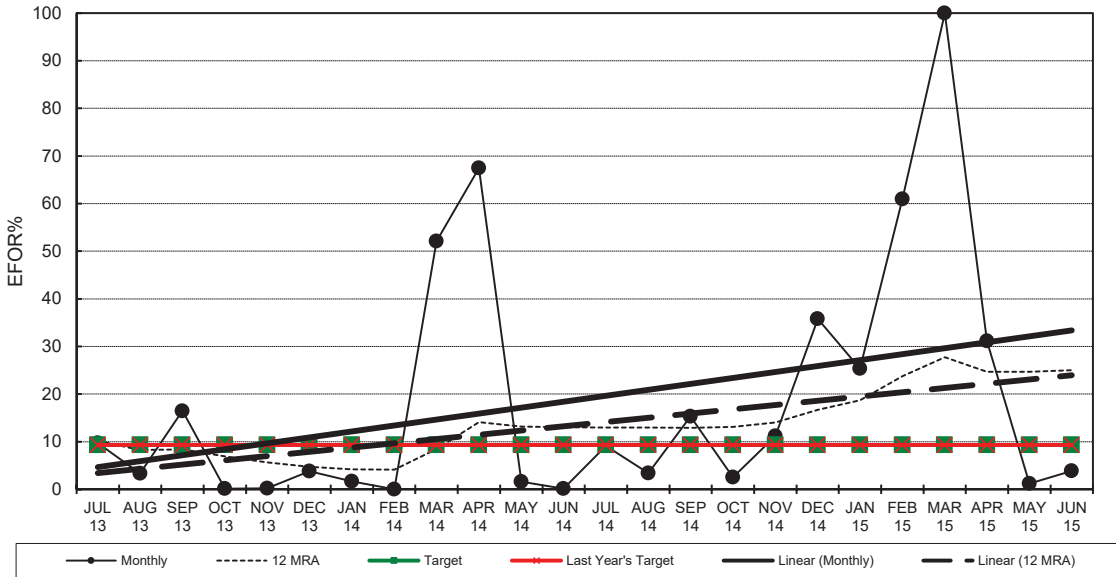
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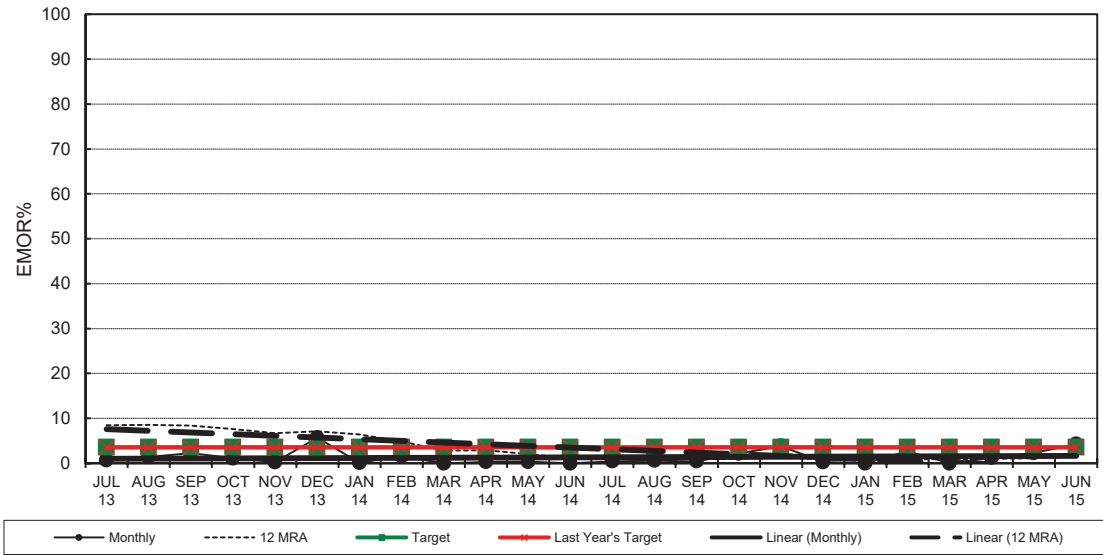
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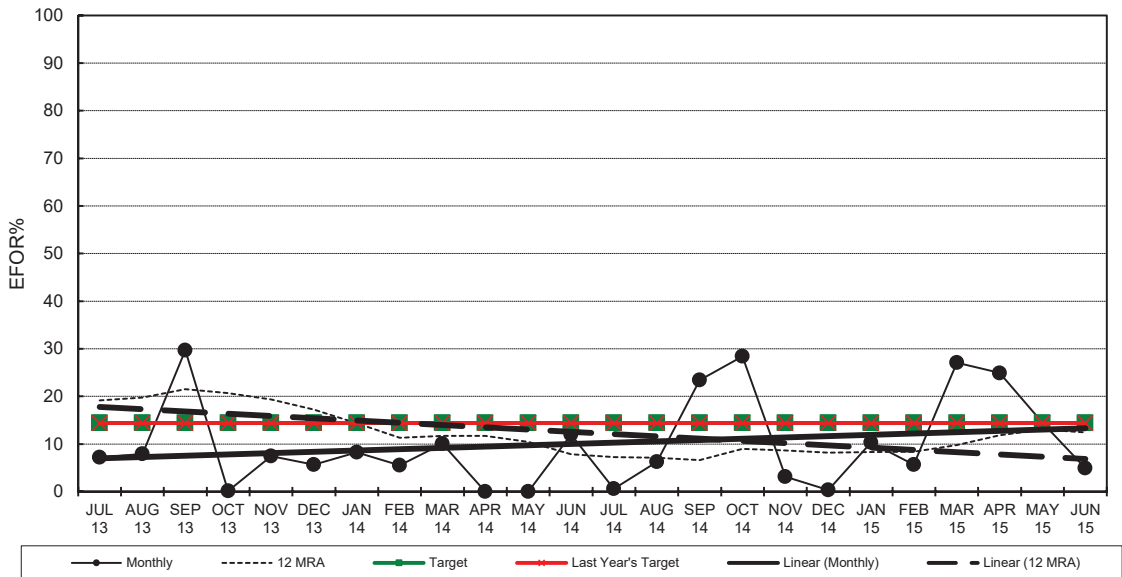
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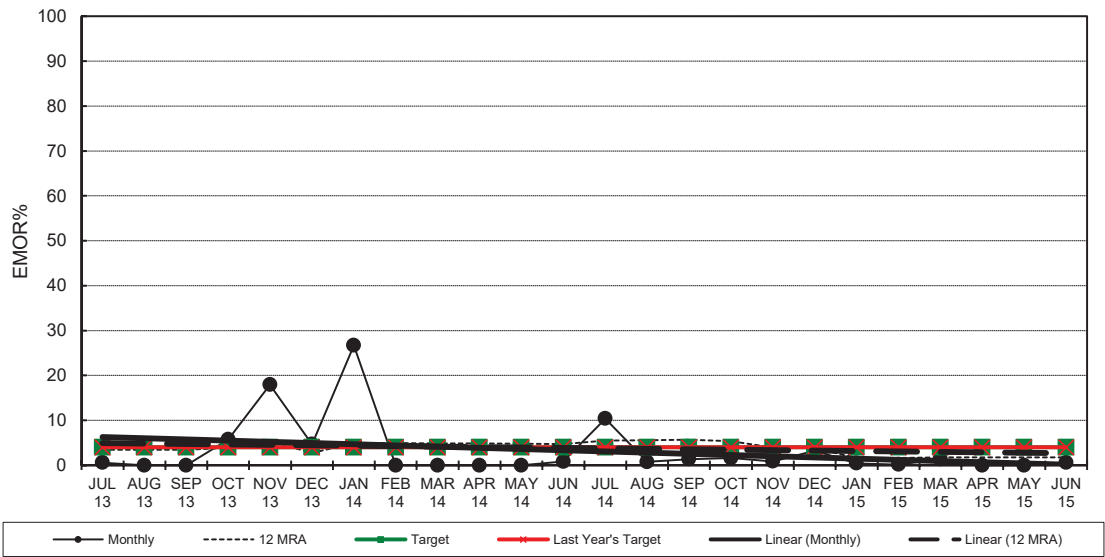
Big Bend Unit 3
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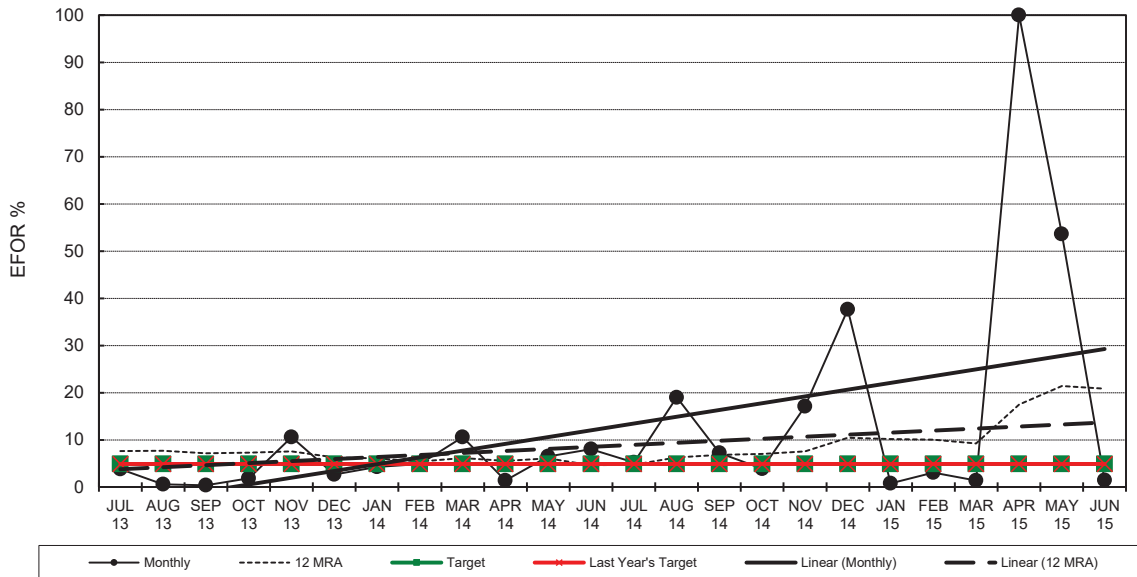
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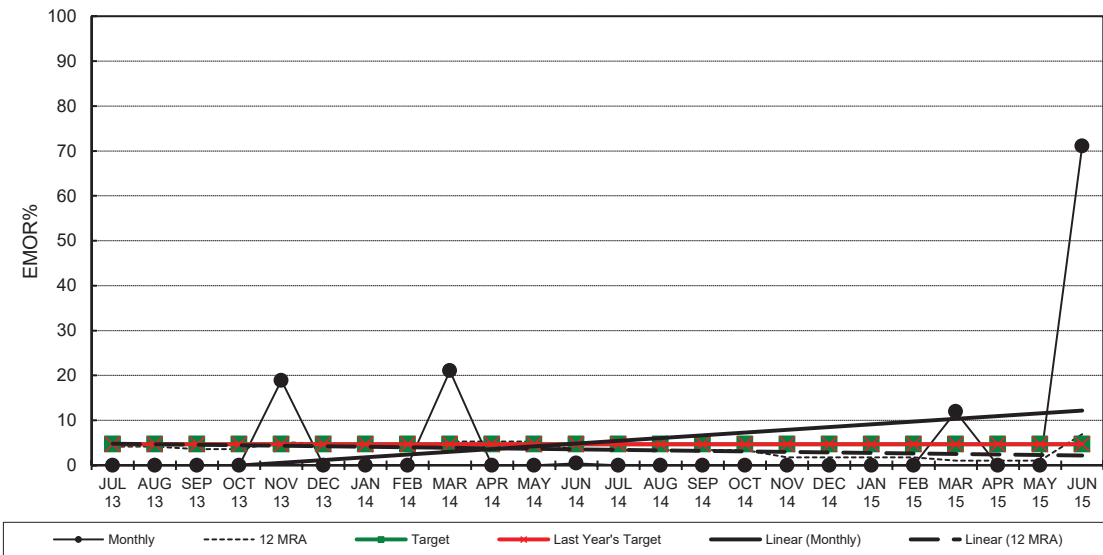
Big Bend Unit 4
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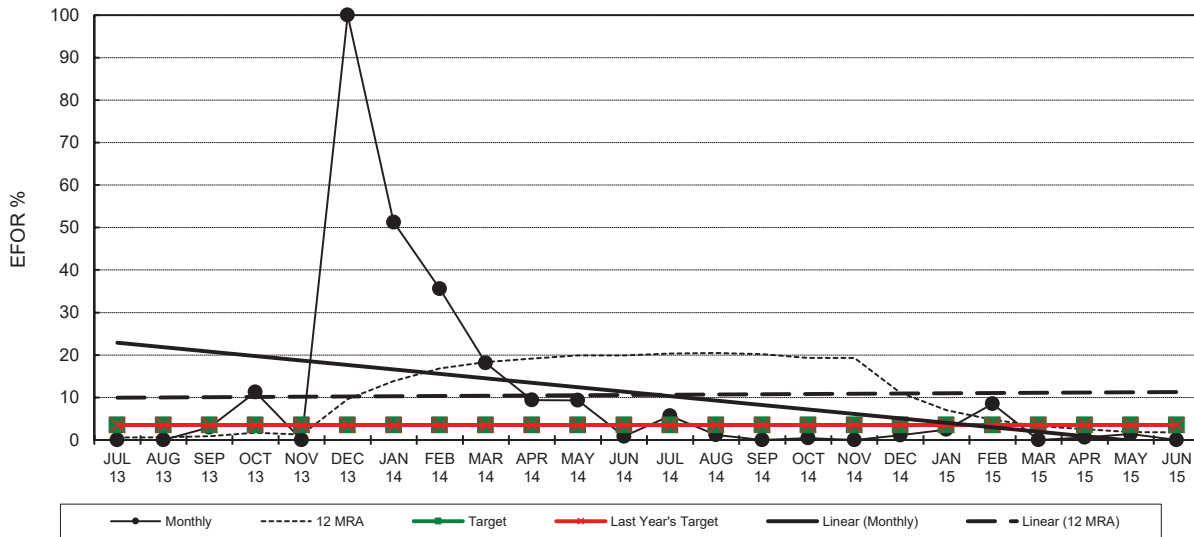
Polk Unit 1
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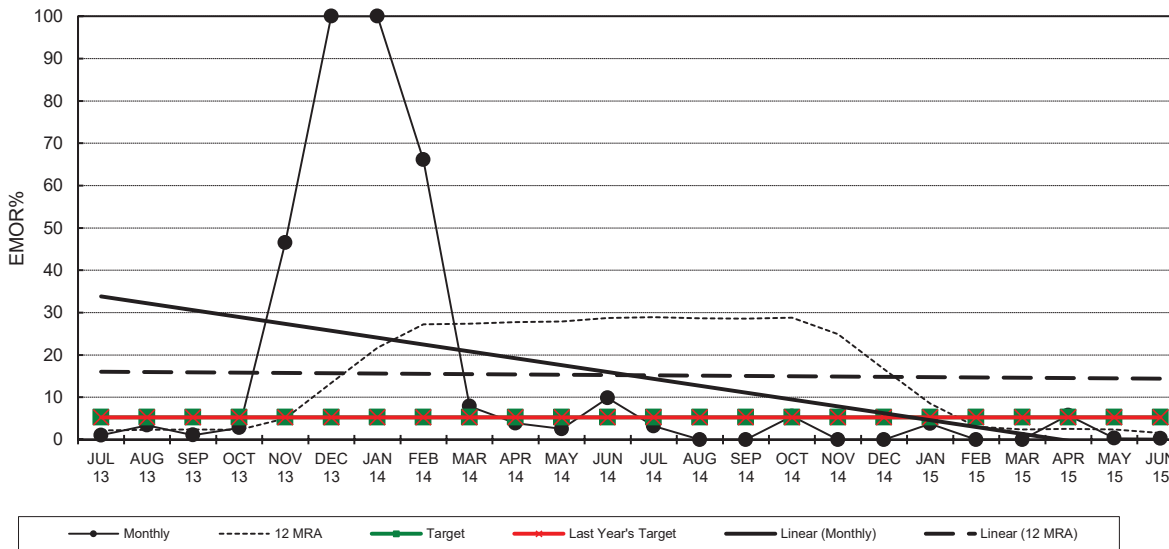
Polk Unit 1
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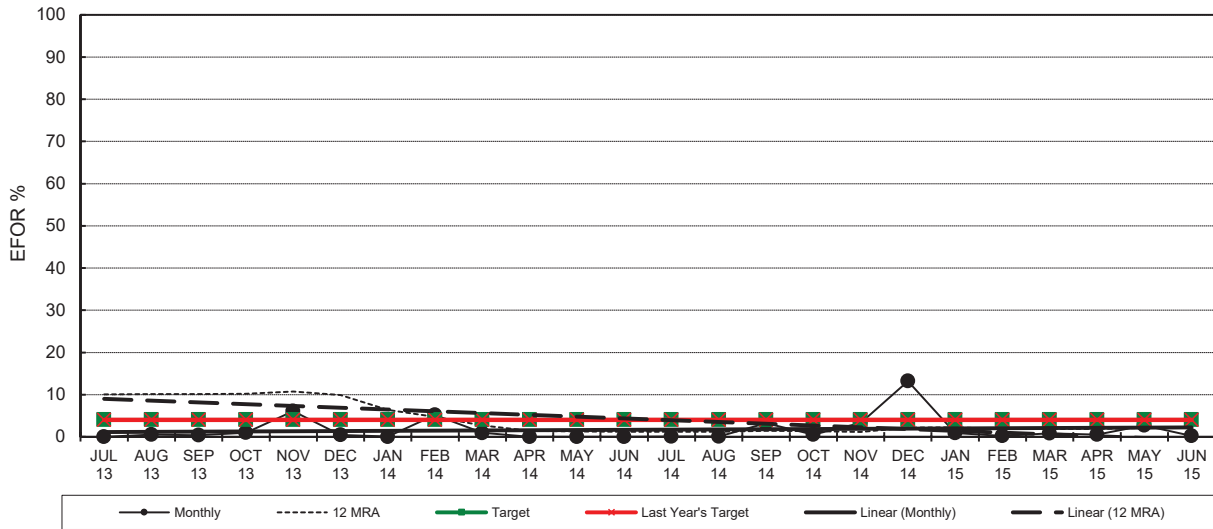
Bayside Unit 1
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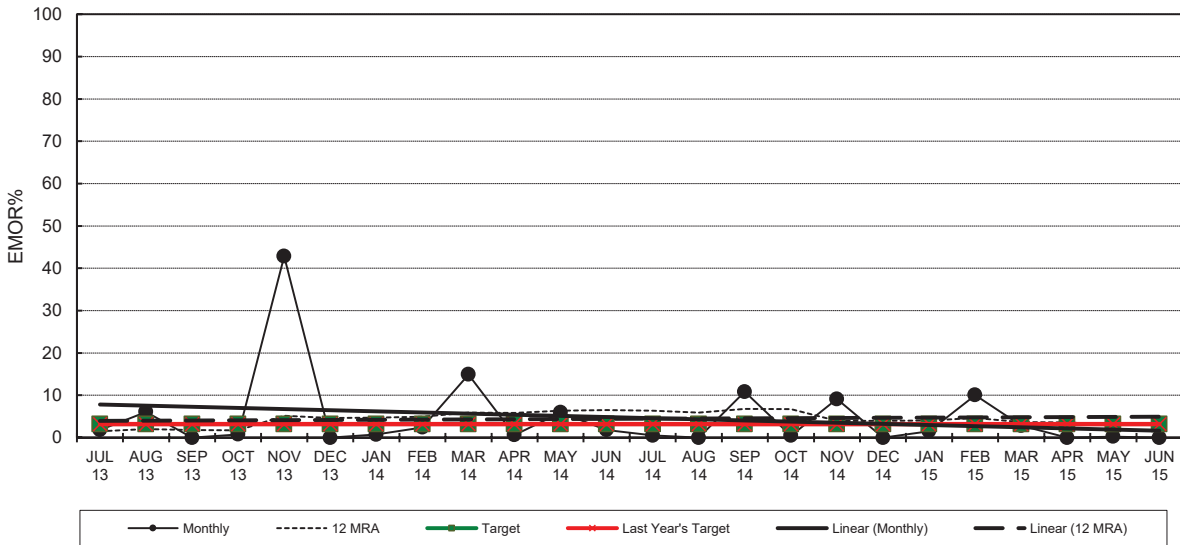
Bayside Unit 1
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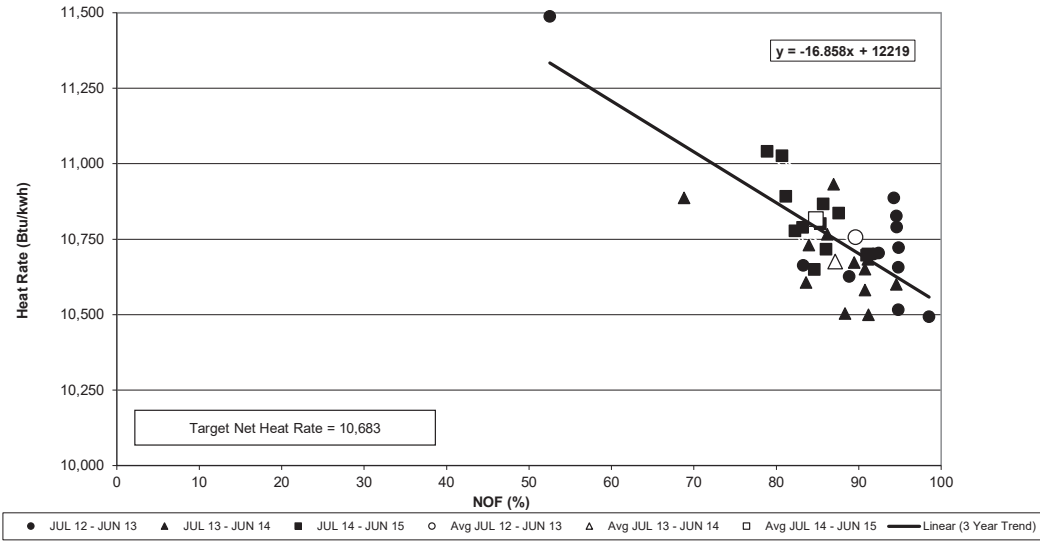
Bayside Unit 2
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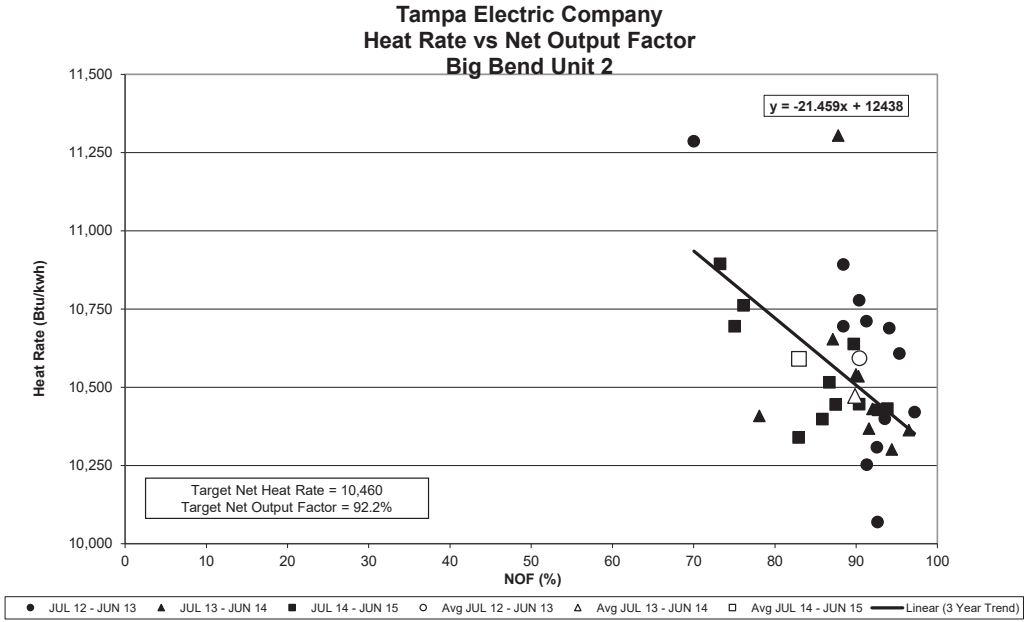


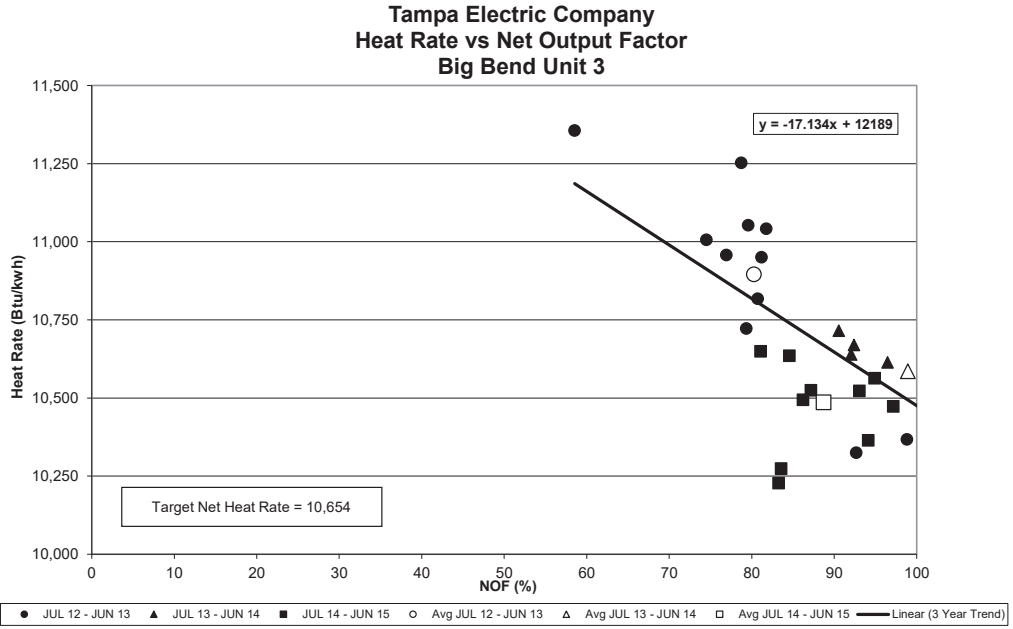
Bayside Unit 2
 EMOR



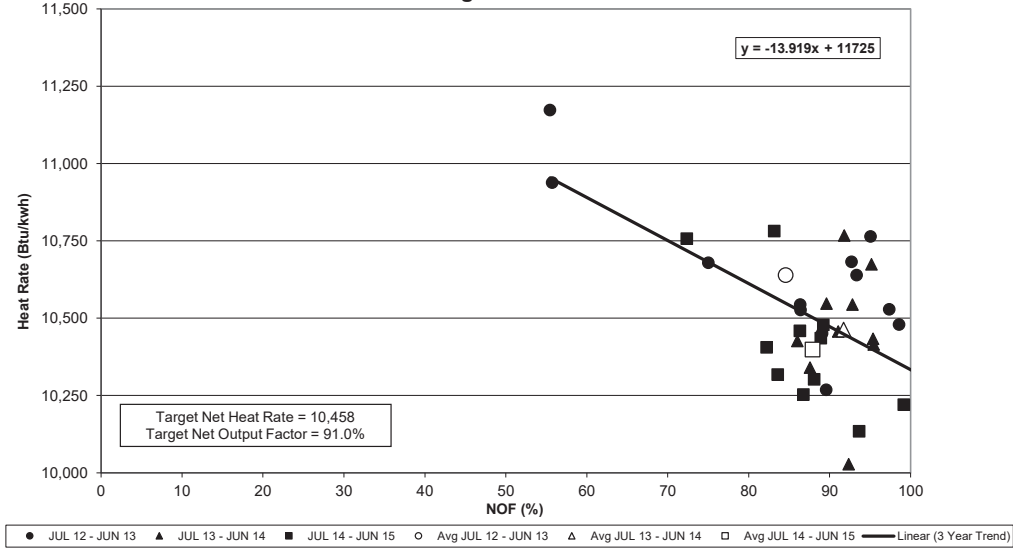
Tampa Electric Company
Heat Rate vs Net Output Factor
Big Bend Unit 1

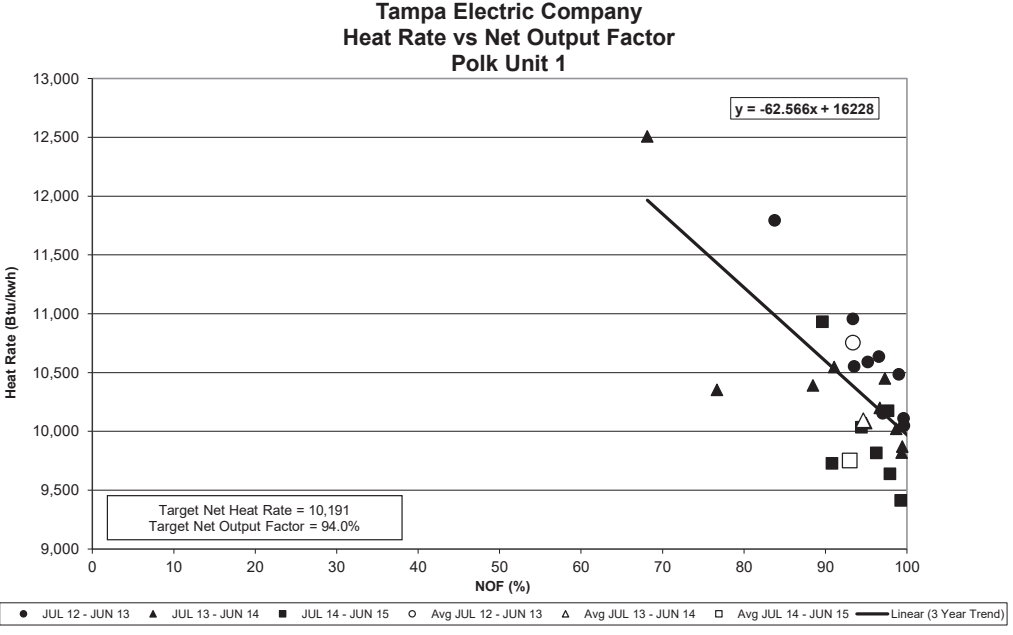




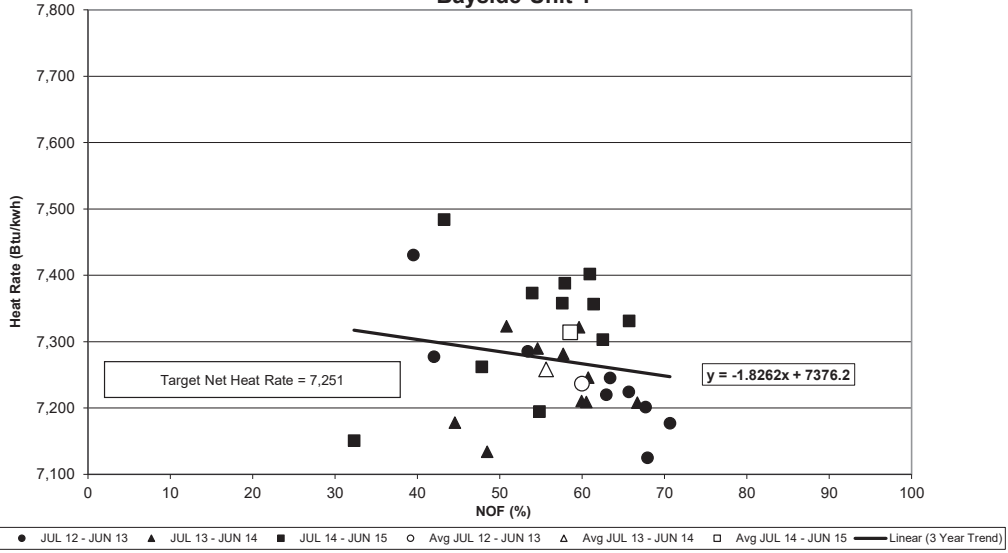


Tampa Electric Company
Heat Rate vs Net Output Factor
Big Bend Unit 4

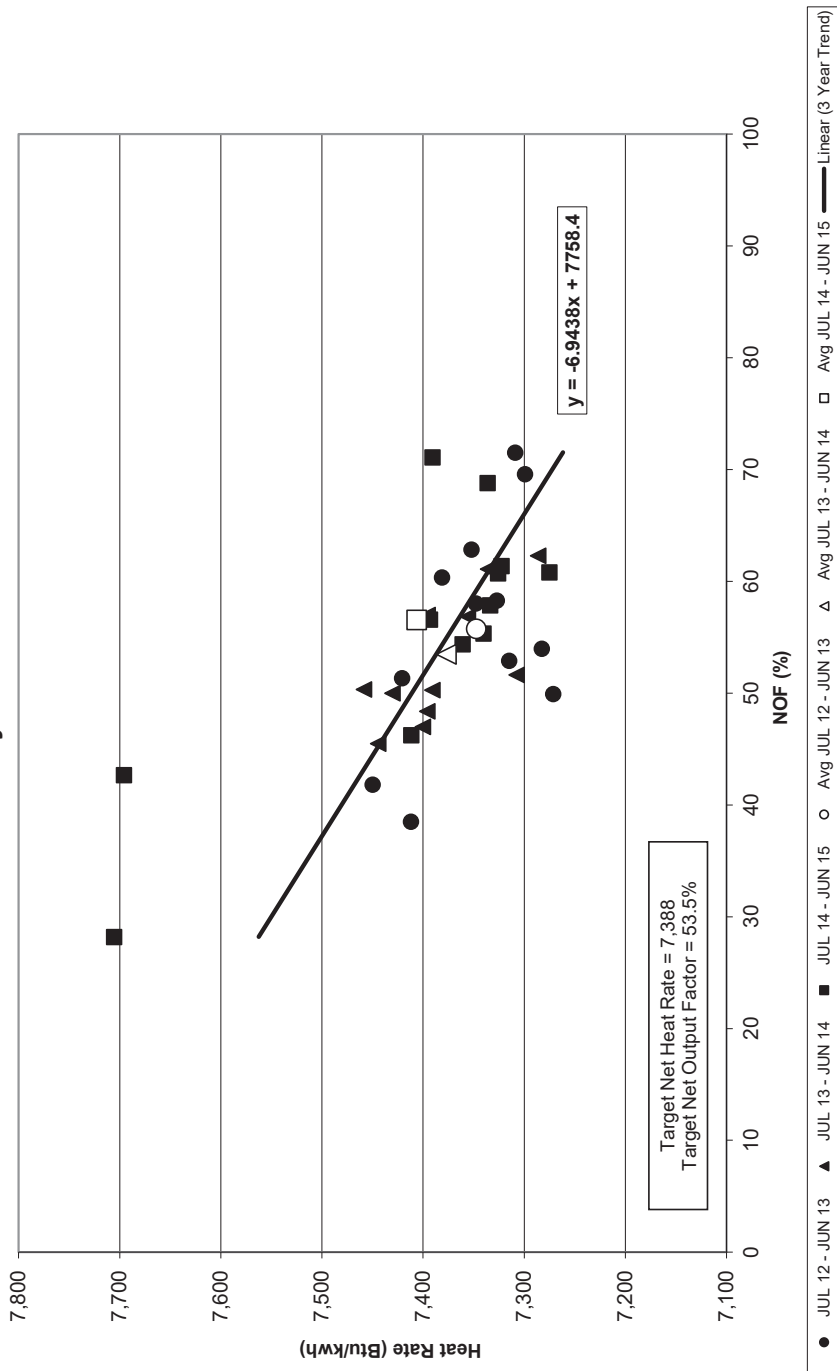




**Tampa Electric Company
Heat Rate vs Net Output Factor
Bayside Unit 1**



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



**TAMPA ELECTRIC COMPANY
GENERATING UNITS IN GPIF
TABLE 4.2
JANUARY 2016 - DECEMBER 2016**

<u>PLANT / UNIT</u>	<u>ANNUAL GROSS MDC (MW)</u>	<u>ANNUAL NET NDC (MW)</u>
BIG BEND 1	413	388
BIG BEND 2	413	388
BIG BEND 3	422	397
BIG BEND 4	472	439
POLK 1	290	220
BAYSIDE 1	740	731
BAYSIDE 2	979	968
GPIF TOTAL	<u>3,730</u>	<u>3,532</u>
SYSTEM TOTAL	4,674	4,467
% OF SYSTEM TOTAL	79.8%	79.1%

**TAMPA ELECTRIC COMPANY
UNIT RATINGS
JANUARY 2016 - DECEMBER 2016**

<u>PLANT / UNIT</u>	<u>ANNUAL GROSS MDC (MW)</u>	<u>ANNUAL NET NDC (MW)</u>
BAYSIDE 1	740	731
BAYSIDE 2	979	968
BAYSIDE 3	59	58
BAYSIDE 4	59	58
BAYSIDE 5	59	58
BAYSIDE 6	59	58
BAYSIDE TOTAL	<u>1,954</u>	<u>1,930</u>
BIG BEND 1	413	388
BIG BEND 2	413	388
BIG BEND 3	422	397
BIG BEND 4	472	439
BIG BEND CT4	59	58
BIG BEND TOTAL	<u>1,779</u>	<u>1,670</u>
POLK 1	290	220
POLK 2	163	162
POLK 3	163	162
POLK 4	163	162
POLK 5	163	162
POLK TOTAL	<u>941</u>	<u>867</u>
SYSTEM TOTAL	<u>4,674</u>	<u>4,467</u>

**TAMPA ELECTRIC COMPANY
PERCENT GENERATION BY UNIT
JANUARY 2016 - DECEMBER 2016**

PLANT	UNIT	NET OUTPUT MWH	PERCENT OF PROJECTED OUTPUT	PERCENT CUMULATIVE PROJECTED OUTPUT
BAYSIDE	2	3,779,890	19.64%	19.64%
BAYSIDE	1	3,178,090	16.51%	36.15%
BIG BEND	4	2,908,840	15.11%	51.26%
BIG BEND	1	2,630,680	13.67%	64.93%
BIG BEND	3	2,596,680	13.49%	78.42%
BIG BEND	2	2,295,970	11.93%	90.35%
POLK	1	1,597,150	8.30%	98.64%
BIG BEND CT	4	57,780	0.30%	98.94%
BAYSIDE	5	48,040	0.25%	99.19%
BAYSIDE	6	36,770	0.19%	99.39%
POLK	2	30,620	0.16%	99.54%
BAYSIDE	3	30,480	0.16%	99.70%
BAYSIDE	4	20,720	0.11%	99.81%
POLK	3	15,060	0.08%	99.89%
POLK	4	12,970	0.07%	99.96%
POLK	5	8,480	0.04%	100.00%
TOTAL GENERATION		19,248,220	100.00%	

GENERATION BY COAL UNITS:	<u>12,610,730</u> MWH	GENERATION BY NATURAL GAS UNITS:	<u>6,637,490</u> MWH
% GENERATION BY COAL UNITS	<u>65.52%</u>	% GENERATION BY NATURAL GAS UNITS:	<u>34.48%</u>
GENERATION BY OIL UNITS:	<u>-</u> MWH	GENERATION BY GPIF UNITS:	<u>18,987,300</u> MWH
% GENERATION BY OIL UNITS:	<u>0.00%</u>	% GENERATION BY GPIF UNITS:	<u>98.64%</u>

EXHIBIT NO. BSB-2
TAMPA ELECTRIC COMPANY
DOCKET NO. 20180001-EI
GPIF 2017 FINAL TRUE-UP
DOCUMENT NO. 6

EXHIBIT TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCKET NO. 20180001-EI

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2016 - DECEMBER 2016
TRUE-UP

DOCUMENT NO. 6

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2016 - DECEMBER 2016
TRUE-UP
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**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE - ACTUAL
JANUARY 2016 - DECEMBER 2016**

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+10	18,371.6	9,571.9
+9	16,534.5	8,614.7
+8	14,697.3	7,657.5
+7	12,860.1	6,700.3
+6	11,023.0	5,743.1
+5	9,185.8	4,785.9
+4	7,348.6	3,828.7
+3	5,511.5	2,871.6
+2	3,674.3	1,914.4
+1	1,837.2	957.2
←	GPI POINTS 1.071	REWARD DOLLARS \$1,024,743 →
0	0.0	0.0
-1	(1,852.3)	(957.2)
-2	(3,704.6)	(1,914.4)
-3	(5,556.9)	(2,871.6)
-4	(7,409.2)	(3,828.7)
-5	(9,261.5)	(4,785.9)
-6	(11,113.8)	(5,743.1)
-7	(12,966.1)	(6,700.3)
-8	(14,818.4)	(7,657.5)
-9	(16,670.6)	(8,614.7)
-10	(18,522.9)	(9,571.9)

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS - ACTUAL
JANUARY 2016 - DECEMBER 2016**

Line 1	Beginning of period balance of common equity:		\$	2,270,518,569
	End of month common equity:			
Line 2	Month of January	2016	\$	2,288,055,119
Line 3	Month of February	2016	\$	2,272,865,450
Line 4	Month of March	2016	\$	2,288,988,166
Line 5	Month of April	2016	\$	2,302,264,369
Line 6	Month of May	2016	\$	2,322,604,089
Line 7	Month of June	2016	\$	2,324,852,708
Line 8	Month of July	2016	\$	2,357,916,465
Line 9	Month of August	2016	\$	2,393,969,874
Line 10	Month of September	2016	\$	2,418,889,456
Line 11	Month of October	2016	\$	2,440,312,316
Line 12	Month of November	2016	\$	2,410,366,200
Line 13	Month of December	2016	\$	2,416,735,164
Line 14	(Summation of line 1 through line 13 divided by 13)		\$	2,346,795,227
Line 15	25 Basis points			0.0025
Line 16	Revenue Expansion Factor			61.27%
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)		\$	9,576,098
Line 18	Jurisdictional Sales			19,234,183 MWH
Line 19	Total Sales			19,242,687 MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)			99.96%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)		\$	9,571,866
Line 22	Incentive Cap (50% of projected fuel savings at 10 GPIF-Point level from Sheet No. 3.515)		\$	9,185,810
Line 23	Maximum Allowed GPIF Reward (At 10 GPIF-Point Level; the lesser of line 21 and line 22)		\$	9,185,810

**TAMPA ELECTRIC COMPANY
CALCULATION OF SYSTEM GPIF POINTS - ACTUAL
JANUARY 2016 - DECEMBER 2016**

<u>PLANT / UNIT</u>	<u>12 MONTH ADJ. ACTUAL PERFORMANCE</u>		<u>WEIGHTING FACTOR %</u>	<u>UNIT POINTS</u>	<u>WEIGHTED UNIT POINTS</u>
BIG BEND 1	79.0%	EAF	2.08%	0.895	0.019
BIG BEND 2	58.0%	EAF	4.86%	-10.000	-0.486
BIG BEND 3	54.0%	EAF	3.53%	-10.000	-0.353
BIG BEND 4	73.2%	EAF	3.66%	-5.171	-0.189
POLK 1	85.2%	EAF	0.84%	10.000	0.084
BAYSIDE 1	80.2%	EAF	4.55%	10.000	0.455
BAYSIDE 2	84.2%	EAF	9.32%	6.298	0.587
BIG BEND 1	10,627	ANOHR	7.62%	0.000	0.000
BIG BEND 2	10,318	ANOHR	13.76%	1.863	0.256
BIG BEND 3	10,258	ANOHR	7.28%	10.000	0.728
BIG BEND 4	10,241	ANOHR	14.48%	4.609	0.667
POLK 1	9,855	ANOHR	7.18%	9.342	0.671
BAYSIDE 1	7,359	ANOHR	10.64%	-3.253	-0.346
BAYSIDE 2	7,554	ANOHR	10.20%	-10.000	-1.020
			100.00%		1.071

GPIF REWARD	\$ 1,024,743
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**TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY**

EQUIVALENT AVAILABILITY (%)

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>EAF TARGET (%)</u>	<u>EAF MAX. (%)</u>	<u>RANGE MIN. (%)</u>	<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>	<u>EAF ADJUSTED ACTUAL (%)</u>	<u>EST. FUEL SAVINGS/ LOSS (\$000)</u>
BIG BEND 1	2.08%	78.71	82.0	72.2	382.8	(960.8)	79.0%	34.3
BIG BEND 2	4.86%	68.73	72.3	61.6	893.6	(504.8)	58.0%	(504.8)
BIG BEND 3	3.53%	76.64	79.5	71.0	648.9	(561.3)	54.0%	(561.3)
BIG BEND 4	3.66%	76.95	80.6	69.7	673.1	(1,958.4)	73.2%	(1,012.7)
POLK 1	0.84%	81.52	83.7	77.2	153.6	(511.0)	85.2%	153.6
BAYSIDE 1	4.55%	76.07	78.2	71.8	835.8	(136.0)	80.2%	835.8
BAYSIDE 2	9.32%	83.07	84.9	79.5	1,711.3	(818.2)	84.2%	1,077.8
GPIF SYSTEM	28.84%				5,299.1	(5,450.5)		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>ANOHR (Btu/kwh)</u>	<u>TARGET NOF (%)</u>	<u>ANOHR TARGET RANGE</u>		<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>	<u>ACTUAL ADJUSTED ANOHR</u>	<u>EST. FUEL SAVINGS/ LOSS (\$000)</u>
				<u>MIN.</u>	<u>MAX.</u>				
BIG BEND 1	7.62%	10,683	91.1	10,473	10,893	1,399.4	(1,399.4)	10,627	0.0
BIG BEND 2	13.76%	10,460	92.2	10,025	10,895	2,528.1	(2,528.1)	10,318	470.9
BIG BEND 3	7.28%	10,654	89.6	10,441	10,867	1,336.8	(1,336.8)	10,258	1,336.8
BIG BEND 4	14.48%	10,458	91.0	10,075	10,842	2,659.8	(2,659.8)	10,241	1,225.8
POLK 1	7.18%	10,191	94.0	9,837	10,545	1,319.6	(1,319.6)	9,855	1,232.8
BAYSIDE 1	10.64%	7,251	71.6	7,073	7,428	1,954.3	(1,954.3)	7,359	(635.7)
BAYSIDE 2	10.20%	7,388	53.5	7,244	7,532	1,874.6	(1,874.6)	7,554	(1,874.6)
GPIF SYSTEM	71.16%					13,072.5	(13,072.5)		

**TAMPA ELECTRIC COMPANY
UNIT PERFORMANCE DATA - ACTUAL
JANUARY 2016 - DECEMBER 2016**

<u>PLANT / UNIT</u>	<u>ACTUAL EAF (%)</u>	<u>ADJUSTMENTS (1) TO EAF (%)</u>	<u>EAF ADJUSTED ACTUAL (%)</u>
BIG BEND 1	79.6	-0.6	79.0
BIG BEND 2	54.8	3.2	58.0
BIG BEND 3	53.9	0.1	54.0
BIG BEND 4	73.2	0.0	73.2
POLK 1	82.4	2.8	85.2
BAYSIDE 1	78.1	2.1	80.2
BAYSIDE 2	87.4	-3.2	84.2

<u>PLANT / UNIT</u>	<u>ACTUAL ANOHR (Btu/kwh)</u>	<u>ADJUSTMENTS (2) TO ANOHR (Btu/kwh)</u>	<u>ANOHR ADJUSTED ACTUAL (Btu/kwh)</u>
BIG BEND 1	10,944	-317	10,627
BIG BEND 2	10,728	-410	10,318
BIG BEND 3	10,735	-477	10,258
BIG BEND 4	10,521	-280	10,241
POLK 1	9,859	-4	9,855
BAYSIDE 1	7,370	-11	7,359
BAYSIDE 2	7,527	27	7,554

(1) Documentation of adjustments to Actual EAF on pages 7 - 13

(2) Documentation of adjustments to Actual ANOHR on pages 14 - 20

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 1
JANUARY 2016 - DECEMBER 2016**

WEIGHTING FACTOR = 2.08%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,784.0	8,784.0	8,784.0
EAF	78.7	79.6	79.0
POH	576.0	518.9	576.0
FOH + EFOH	1,098.0	1,130.1	1,122.3
MOH + EMOH	196.4	146.5	145.5
POF	6.6	5.9	6.6
EFOF	12.5	12.9	12.8
EMOF	2.2	1.7	1.7
	0.895	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8784 - 576}{8784 - 518.9} \times (1130.1 + 146.5) = 1,267.8$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 6.6 - \frac{1,267.8}{8,784.0} \times 100 = 79.0$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 2
JANUARY 2016 - DECEMBER 2016

WEIGHTING FACTOR = 4.86%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,784.0	8,784.0	8,784.0
EAF	68.7	54.8	58.0
POH	1,584.0	1,974.9	1,584.0
FOH + EFOH	870.5	1,942.1	2,053.6
MOH + EMOH	291.9	53.0	56.0
POF	18.0	22.5	18.0
EFOF	9.9	22.1	23.4
EMOF	3.3	0.6	0.6
	-10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8784 - 1584}{8784 - 1974.9} \times (1942.1 + 53) = 2,109.6$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 18 - \frac{2,109.6}{8,784.0} \times 100 = 58.0$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 3
JANUARY 2016 - DECEMBER 2016**

WEIGHTING FACTOR = 3.53%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,784.0	8,784.0	8,784.0
EAF	76.6	53.9	54.0
POH	1,080.0	1,102.4	1,080.0
FOH + EFOH	708.8	2,858.0	2,866.3
MOH + EMOH	263.0	92.8	93.1
POF	12.3	12.6	12.3
EFOF	8.1	32.5	32.6
EMOF	3.0	1.1	1.1
	-10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8784 - 1080}{8784 - 1102.4} \times (2858 + 92.8) = 2,959.4$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 12.3 - \frac{2,959.4}{8,784.0} \times 100 = 54.0$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BIG BEND UNIT NO. 4
JANUARY 2016 - DECEMBER 2016**

WEIGHTING FACTOR = 3.66%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,784.0	8,784.0	8,784.0
EAF	76.9	73.2	73.2
POH	576.0	585.2	576.0
FOH + EFOH	1,145.8	1,199.3	1,200.6
MOH + EMOH	303.0	569.8	570.4
POF	6.6	6.7	6.6
EFOF	13.0	13.7	13.7
EMOF	3.4	6.5	6.5
	-5.171	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8784 - 576}{8784 - 585.2} \times (1199.3 + 569.8) = 1,771.1$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 6.6 - \frac{1,771.1}{8,784.0} \times 100 = 73.2$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
POLK UNIT NO. 1
JANUARY 2016 - DECEMBER 2016**

WEIGHTING FACTOR = 0.84%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,784.0	8,784.0	8,784.0
EAF	81.5	82.4	85.2
POH	912.0	1,170.0	912.0
FOH + EFOH	362.4	240.8	249.0
MOH + EMOH	349.3	131.4	135.9
POF	10.4	13.3	10.4
EFOF	4.1	2.7	2.8
EMOF	4.0	1.5	1.5
	10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8784 - 912}{8784 - 1170} \times (240.8 + 131.4) = 384.8$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 10.4 - \frac{384.8}{8,784.0} \times 100 = 85.2$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BAYSIDE UNIT NO. 1
JANUARY 2016 - DECEMBER 2016**

WEIGHTING FACTOR = 4.55%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,784.0	8,784.0	8,784.0
EAF	76.1	78.1	80.2
POH	1,561.0	1,757.4	1,561.0
FOH + EFOH	219.4	74.1	76.2
MOH + EMOH	322.0	92.8	95.4
POF	17.8	20.0	17.8
EFOF	2.5	0.8	0.9
EMOF	3.7	1.1	1.1
	10.000	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8784 - 1561}{8784 - 1757.4} \times (74.1 + 92.8) = 171.6$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 17.8 - \frac{171.6}{8,784.0} \times 100 = 80.2$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO PERFORMANCE
BAYSIDE UNIT NO. 2
JANUARY 2016 - DECEMBER 2016**

WEIGHTING FACTOR = 9.32%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>	<u>ADJUSTED ACTUAL PERFORMANCE</u>
PH	8,784.0	8,784.0	8,784.0
EAF	83.1	87.4	84.2
POH	935.0	625.6	935.0
FOH + EFOH	307.6	135.6	130.5
MOH + EMOH	244.2	342.0	329.0
POF	10.6	7.1	10.6
EFOF	3.5	1.5	1.5
EMOF	2.8	3.9	3.7
	6.298	EQUIVALENT AVAILABILITY POINTS	

ADJUSTMENTS TO ACTUAL EAF FOR COMPARISON

$$\frac{PH - POH_{TARGET}}{PH - POH_{ACTUAL}} \times (FOH + EFOH + MOH + EMOH) = EUOH_{ADJUSTED}$$

$$\frac{8784 - 935}{8784 - 625.6} \times (135.6 + 342) = 459.5$$

$$100 - POF_{TARGET} - \frac{EUOH_{ADJUSTED}}{PH} \times 100 = EAF_{ADJUSTED}$$

$$100 - 10.6 - \frac{459.5}{8,784.0} \times 100 = 84.2$$

PH = PERIOD HOURS
EAF = EQUIVALENT AVAILABILITY FACTOR
POH = PLANNED OUTAGE HOURS
FOH = FORCED OUTAGE HOURS
EFOH = EQUIVALENT FORCED OUTAGE HOURS
MOH = MAINTENANCE OUTAGE HOURS
EMOH = EQUIVALENT MAINTENANCE OUTAGE HOURS
POF = PLANNED OUTAGE FACTOR
EFOF = EQUIVALENT FORCED OUTAGE FACTOR
EMOF = EQUIVALENT MAINTENANCE OUTAGE FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 1
JANUARY 2016 - DECEMBER 2016**

WEIGHTING FACTOR = 7.62%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10,683	10,944
NET GENERATION (GWH)	2,630.7	1,996.6
OPERATING BTU (10 ⁹)	27,366.7	21,851.3
NET OUTPUT FACTOR	91.1	72.3

0.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-16.86) + 12219.15 = \text{ANOHR}$

$$72.3 * (-16.86) + 12219.15 = 11,000$$

$$10,944 - 11,000 = -56$$

$$10,683 + -56 = 10,627 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 2
JANUARY 2016 - DECEMBER 2016**

WEIGHTING FACTOR = 13.76%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10,460	10,728
NET GENERATION (GWH)	2,296.0	1,467.6
OPERATING BTU (10 ⁹)	23,980.4	15,744.9
NET OUTPUT FACTOR	92.2	73.3

1.863 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-21.73) + 12462.31 = \text{ANOHR}$

$$73.3 * (-21.73) + 12462.31 = 10,870$$

$$10,728 - 10,870 = -142$$

$$10,460 + (-142) = 10,318 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 3
JANUARY 2016 - DECEMBER 2016**

WEIGHTING FACTOR = 7.28%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10,654	10,735
NET GENERATION (GWH)	2,596.7	1,543.4
OPERATING BTU (10 ⁹)	27,069.9	16,568.7
NET OUTPUT FACTOR	89.6	61.7

10.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-17.14) + 12188.87 = \text{ANOHR}$

$61.7 * (-17.14) + 12188.87 = 11,131$

$10,735 - 11,131 = -396$

$10,654 + -396 = 10,258$ ← ADJUSTED ACTUAL
HEAT RATE AT
TARGET NOF

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BIG BEND UNIT NO. 4
JANUARY 2016 - DECEMBER 2016**

WEIGHTING FACTOR = 14.48%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10,458	10,521
NET GENERATION (GWH)	2,908.8	2,275.9
OPERATING BTU (10 ⁹)	30,261.4	23,944.1
NET OUTPUT FACTOR	91.0	70.9

4.609 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-13.92) + 11725.49 = ANOHR$

$$70.9 * (-13.92) + 11725.49 = 10,739$$

$$10,521 - 10,739 = -218$$

$$10,458 + -218 = 10,241 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
POLK UNIT NO. 1
JANUARY 2016 - DECEMBER 2016**

WEIGHTING FACTOR = 7.18%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	10,191	9,859
NET GENERATION (GWH)	1,597.2	1,476.2
OPERATING BTU (10 ⁹)	16,729.2	14,553.8
NET OUTPUT FACTOR	94.0	93.8

9.342 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $\text{NOF} * (-22.73) + 12326.95 = \text{ANOHR}$

$$93.8 * (-22.73) + 12326.95 = 10,195$$

$$9,859 - 10,195 = -336$$

$$10,191 + -336 = 9,855 \quad \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BAYSIDE UNIT NO. 1
JANUARY 2016 - DECEMBER 2016**

WEIGHTING FACTOR = 10.64%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7,251	7,370
NET GENERATION (GWH)	3,178.1	3,281.7
OPERATING BTU (10 ⁹)	23,354.0	24,186.0
NET OUTPUT FACTOR	71.6	64.2

-3.253 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-1.51) + 7358.53 = ANOHR$

$$64.2 * (-1.51) + 7358.53 = 7,262$$

$$7,370 - 7,262 = 108$$

$$7,251 + 108 = 7,359 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

**TAMPA ELECTRIC COMPANY
ADJUSTMENTS TO HEAT RATE
BAYSIDE UNIT NO. 2
JANUARY 2016 - DECEMBER 2016**

WEIGHTING FACTOR = 10.20%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7,388	7,527
NET GENERATION (GWH)	3,779.9	4,534.4
OPERATING BTU (10 ⁹)	28,243.6	34,131.4
NET OUTPUT FACTOR	53.5	57.6

-10.000 HEAT RATE POINTS

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION: $NOF * (-6.49) + 7735.32 = ANOHR$

$$57.6 * (-6.49) + 7735.32 = 7,362$$

$$7,527 - 7,362 = 166$$

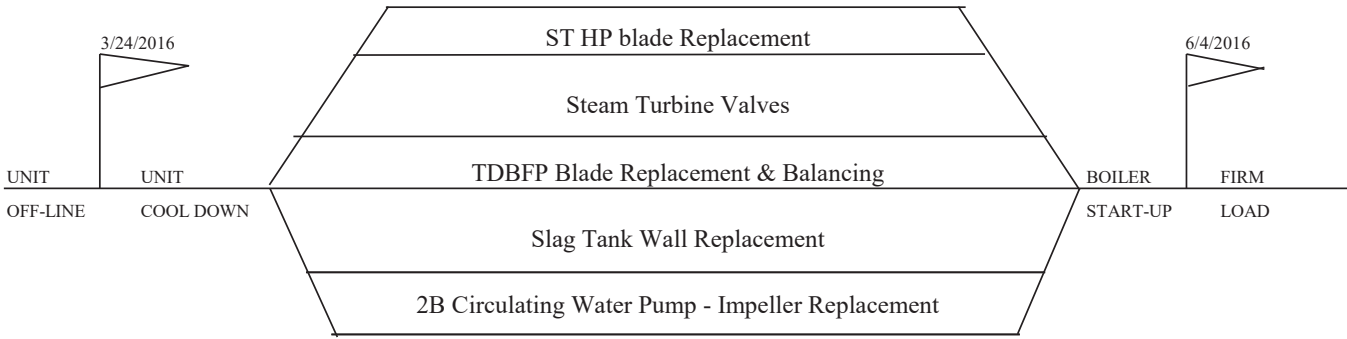
$$7,388 + 166 = 7,554 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

ANOHR = AVERAGE NET OPERATING HEAT RATE
NOF = NET OPERATING FACTOR

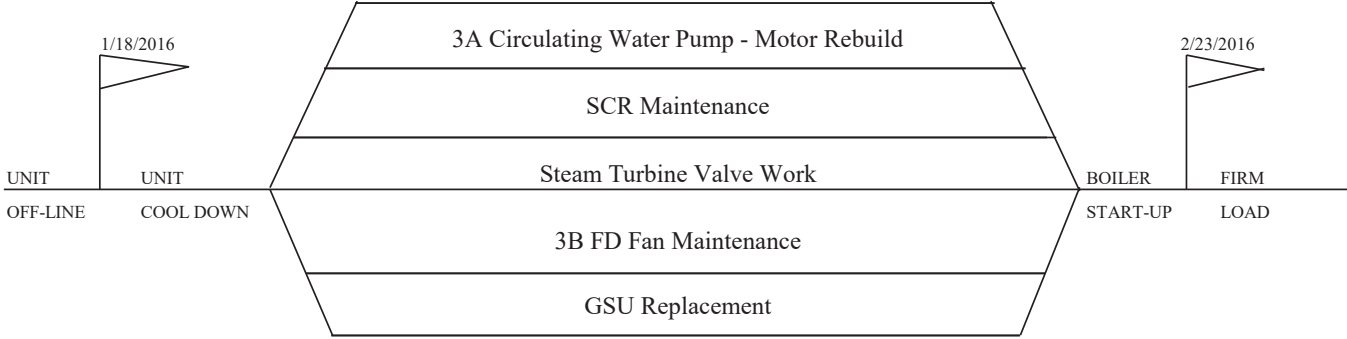
**TAMPA ELECTRIC COMPANY
PLANNED OUTAGE SCHEDULE (ACTUAL)
GPIF UNITS
JANUARY 2016 - DECEMBER 2016**

PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DESCRIPTION
BIG BEND 1	Apr 09 - Apr 20 Dec 13 - Dec 23	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
+ BIG BEND 2	Mar 24 - Jun 04 Dec 11 - Dec 22	Steam Turbine HP Blade replacement, Steam Turbine Valves, TDBFP Blade replacement & Balancing, Slag Tank wall replacement, 2B Circulating Water Pump - Impeller Replacement Fuel System Cleanup and FGD/SCR work
+ BIG BEND 3	Jan 18 - Feb 23 Aug 24 - Sep 04	GSU Replacement, 3A Circulating Water Pump Motor rebuild Fuel System Cleanup and FGD/SCR work
BIG BEND 4	Feb 28 - Mar 12 Nov 10 - Nov 21	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
+ POLK 1	Apr 23 - May 27 Nov 27 - Dec 12	HRSG Module 1 casing & seal replacement, HRSG basement improvement, CT CI, 1st stage nozzle replacement, ASU lube oil cooler replacement, SAP pump tank cooler replacement, Aux Boiler evap. Turbine replacement Fuel System Cleanup
+ BAYSIDE 1	Feb 12 - Feb 23 Oct 09 - Dec 11	Fuel System Cleanup GSU Replacement, Turbine Valve Rebuilds, Turbine Center Line Inspection/Refurbishment, Intake Dredging, Tunnel Refurbishment, HRSG Control Valve Replacement
BAYSIDE 2	Feb 27 - Mar 11 Sep 15 - Sep 29	Fuel System Cleanup Fuel System Cleanup
+ 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 2016 - DECEMBER 2016

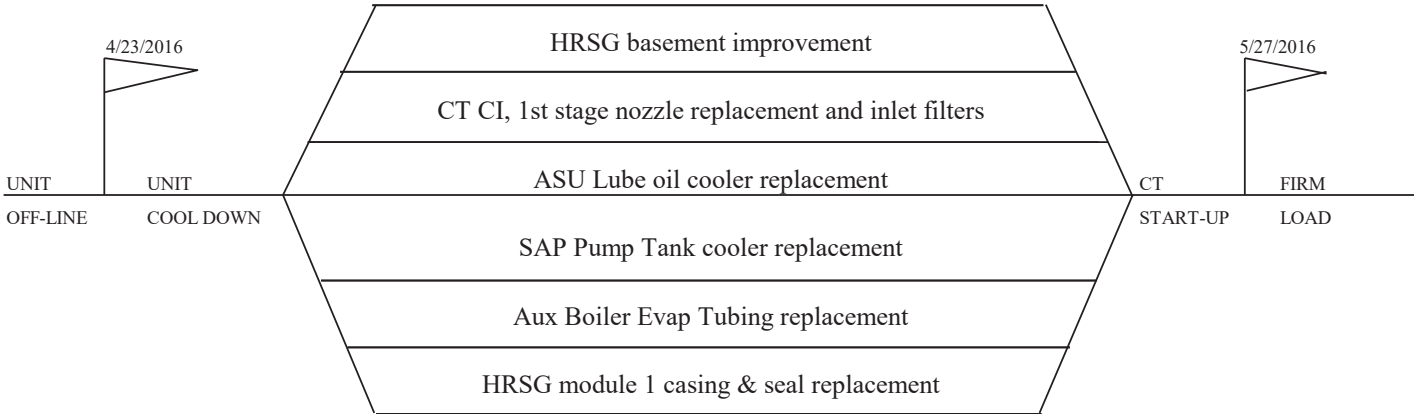


TAMPA ELECTRIC COMPANY
 BIG BEND UNIT 2
 PLANNED OUTAGE 2016
 ACTUAL CPM

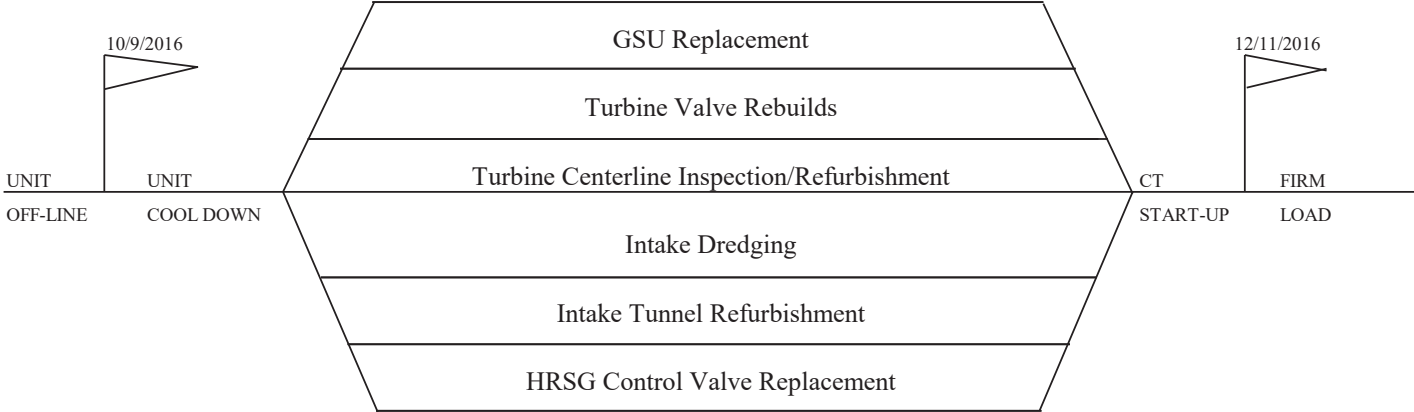


TAMPA ELECTRIC COMPANY
 BIG BEND UNIT 3
 PLANNED OUTAGE 2016
 ACTUAL CPM

TAMPA ELECTRIC COMPANY
 CRITICAL PATH METHOD DIAGRAMS
 GPIF UNITS > FOUR WEEKS
 JANUARY 2016 - DECEMBER 2016



TAMPA ELECTRIC COMPANY
 POLK UNIT 1
 PLANNED OUTAGE 2016
 ACTUAL CPM



TAMPA ELECTRIC COMPANY
 BAYSIDE UNIT 1
 PLANNED OUTAGE 2016
 ACTUAL CPM

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2016 - DECEMBER 2016

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	382.8	82.0	+10	1,399.4	10,473
+9	344.5	81.7	+9	1,259.5	10,486
+8	306.2	81.3	+8	1,119.5	10,500
+7	267.9	81.0	+7	979.6	10,513
+6	229.7	80.7	+6	839.7	10,527
+5	191.4	80.3	+5	699.7	10,540
+4	153.1	80.0	+4	559.8	10,554
+3	114.8	79.7	+3	419.8	10,567
+2	76.6	79.4	+2	279.9	10,581
+1	38.3	79.0	+1	139.9	10,594
					10,608
0	0.0	78.7	0	0.0	10,683
					10,758
-1	(96.1)	78.1	-1	(139.9)	10,772
-2	(192.2)	77.4	-2	(279.9)	10,785
-3	(288.2)	76.7	-3	(419.8)	10,799
-4	(384.3)	76.1	-4	(559.8)	10,812
-5	(480.4)	75.4	-5	(699.7)	10,826
-6	(576.5)	74.8	-6	(839.7)	10,839
-7	(672.5)	74.1	-7	(979.6)	10,853
-8	(768.6)	73.5	-8	(1,119.5)	10,866
-9	(864.7)	72.8	-9	(1,259.5)	10,880
-10	(960.8)	72.2	-10	(1,399.4)	10,893

Weighting Factor =

2.08%

Weighting Factor =

7.62%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2016 - DECEMBER 2016

BIG BEND 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	893.6	72.3	+10	2,528.1	10,025
+9	804.2	71.9	+9	2,275.3	10,061
+8	714.9	71.6	+8	2,022.5	10,097
+7	625.5	71.2	+7	1,769.7	10,133
+6	536.2	70.9	+6	1,516.8	10,169
+5	446.8	70.5	+5	1,264.0	10,205
+4	357.4	70.2	+4	1,011.2	10,241
+3	268.1	69.8	+3	758.4	10,277
+2	178.7	69.4	+2	505.6	10,313
+1	89.4	69.1	+1	252.8	10,349
					10,385
0	0.0	68.7	0	0.0	10,460
					10,535
-1	(50.5)	68.0	-1	(252.8)	10,571
-2	(101.0)	67.3	-2	(505.6)	10,607
-3	(151.4)	66.6	-3	(758.4)	10,643
-4	(201.9)	65.9	-4	(1,011.2)	10,679
-5	(252.4)	65.2	-5	(1,264.0)	10,715
-6	(302.9)	64.5	-6	(1,516.8)	10,751
-7	(353.4)	63.8	-7	(1,769.7)	10,787
-8	(403.9)	63.1	-8	(2,022.5)	10,823
-9	(454.3)	62.3	-9	(2,275.3)	10,859
-10	(504.8)	61.6	-10	(2,528.1)	10,895

AHR POINTS
1.863

Adjusted ANOHR
10,318

EAFF POINTS
-10.000

Adjusted EAFF
58.0

Weighting Factor =

4.86%

Weighting Factor =

13.76%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2016 - DECEMBER 2016

BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	648.9	79.5	+10	1,336.8	10,441
+9	584.0	79.2	+9	1,203.1	10,455
+8	519.1	78.9	+8	1,069.4	10,469
+7	454.2	78.6	+7	935.7	10,483
+6	389.4	78.3	+6	802.1	10,496
+5	324.5	78.1	+5	668.4	10,510
+4	259.6	77.8	+4	534.7	10,524
+3	194.7	77.5	+3	401.0	10,538
+2	129.8	77.2	+2	267.4	10,551
+1	64.9	76.9	+1	133.7	10,565
0	0.0	76.6	0	0.0	10,654
-1	(56.1)	76.1	-1	(133.7)	10,743
-2	(112.3)	75.5	-2	(267.4)	10,757
-3	(168.4)	74.9	-3	(401.0)	10,770
-4	(224.5)	74.4	-4	(534.7)	10,784
-5	(280.6)	73.8	-5	(668.4)	10,798
-6	(336.8)	73.3	-6	(802.1)	10,812
-7	(392.9)	72.7	-7	(935.7)	10,825
-8	(449.0)	72.1	-8	(1,069.4)	10,839
-9	(505.1)	71.6	-9	(1,203.1)	10,853
-10	(561.3)	71.0	-10	(1,336.8)	10,867

Weighting Factor =

3.53%

Weighting Factor =

7.28%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2016 - DECEMBER 2016

BIG BEND 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	673.1	80.6	+10	2,659.8	10,075
+9	605.8	80.2	+9	2,393.8	10,106
+8	538.5	79.8	+8	2,127.8	10,136
+7	471.2	79.5	+7	1,861.8	10,167
+6	403.8	79.1	+6	1,595.9	10,198
+5	336.5	78.8	+5	1,329.9	10,229
+4	269.2	78.4	+4	1,063.9	10,260
+3	201.9	78.0	+3	797.9	10,291
+2	134.6	77.7	+2	532.0	10,321
+1	67.3	77.3	+1	266.0	10,352
0	0.0	76.9	0	0.0	10,383
-1	(195.8)	76.2	-1	(266.0)	10,458
-2	(391.7)	75.5	-2	(532.0)	10,533
-3	(587.5)	74.8	-3	(797.9)	10,564
-4	(783.4)	74.0	-4	(1,063.9)	10,595
-5	(979.2)	73.3	-5	(1,329.9)	10,626
-6	(1,175.1)	72.6	-6	(1,595.9)	10,657
-7	(1,370.9)	71.9	-7	(1,861.8)	10,687
-8	(1,566.7)	71.1	-8	(2,127.8)	10,718
-9	(1,762.6)	70.4	-9	(2,393.8)	10,749
-10	(1,958.4)	69.7	-10	(2,659.8)	10,780

AHR POINTS
4.609

Adjusted ANOHR
10,241

← EAF POINTS
-5.171

Adjusted EAF
73.2 →

Weighting Factor =

3.66%

Weighting Factor =

14.48%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2016 - DECEMBER 2016

POLK 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	153.6	83.7	+10	1,319.6	9,837
	← EAF POINTS 10.000	Adjusted EAF 85.2 →		← AHR POINTS 9.342	Adjusted ANOHR 9,855 →
+9	138.2	83.4	+9	1,187.6	9,865
+8	122.9	83.2	+8	1,055.7	9,892
+7	107.5	83.0	+7	923.7	9,920
+6	92.2	82.8	+6	791.8	9,948
+5	76.8	82.6	+5	659.8	9,976
+4	61.4	82.4	+4	527.8	10,004
+3	46.1	82.2	+3	395.9	10,032
+2	30.7	81.9	+2	263.9	10,060
+1	15.4	81.7	+1	132.0	10,088
					10,116
0	0.0	81.5	0	0.0	10,191
					10,266
-1	(51.1)	81.1	-1	(132.0)	10,294
-2	(102.2)	80.7	-2	(263.9)	10,322
-3	(153.3)	80.2	-3	(395.9)	10,350
-4	(204.4)	79.8	-4	(527.8)	10,377
-5	(255.5)	79.4	-5	(659.8)	10,405
-6	(306.6)	79.0	-6	(791.8)	10,433
-7	(357.7)	78.5	-7	(923.7)	10,461
-8	(408.8)	78.1	-8	(1,055.7)	10,489
-9	(459.9)	77.7	-9	(1,187.6)	10,517
-10	(511.0)	77.2	-10	(1,319.6)	10,545

Weighting Factor =

0.84%

Weighting Factor =

7.18%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE

JANUARY 2016 - DECEMBER 2016

BAYSIDE 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	835.8	78.2	+10	1,954.3	7,073
+9	752.2	78.0	+9	1,758.8	7,083
+8	668.6	77.8	+8	1,563.4	7,093
+7	585.0	77.6	+7	1,368.0	7,104
+6	501.5	77.3	+6	1,172.6	7,114
+5	417.9	77.1	+5	977.1	7,124
+4	334.3	76.9	+4	781.7	7,134
+3	250.7	76.7	+3	586.3	7,145
+2	167.2	76.5	+2	390.9	7,155
+1	83.6	76.3	+1	195.4	7,165
0	0.0	76.1	0	0.0	7,251
-1	(13.6)	75.6	-1	(195.4)	7,336
-2	(27.2)	75.2	-2	(390.9)	7,346
-3	(40.8)	74.8	-3	(586.3)	7,356
-4	(54.4)	74.4	-4	(781.7)	7,367
-5	(68.0)	73.9	-5	(977.1)	7,377
-6	(81.6)	73.5	-6	(1,172.6)	7,387
-7	(95.2)	73.1	-7	(1,368.0)	7,398
-8	(108.8)	72.7	-8	(1,563.4)	7,408
-9	(122.4)	72.2	-9	(1,758.8)	7,418
-10	(136.0)	71.8	-10	(1,954.3)	7,428

Weighting Factor =

4.55%

Weighting Factor =

10.64%

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS TABLE
JANUARY 2016 - DECEMBER 2016

BAYSIDE 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,711.3	84.9	+10	1,874.6	7,244
+9	1,540.2	84.7	+9	1,687.1	7,251
+8	1,369.1	84.5	+8	1,499.7	7,258
+7	1,197.9	84.3	+7	1,312.2	7,265
+6	1,026.8	84.1	+6	1,124.7	7,272
+5	855.7	84.0	+5	937.3	7,279
+4	684.5	83.8	+4	749.8	7,286
+3	513.4	83.6	+3	562.4	7,292
+2	342.3	83.4	+2	374.9	7,299
+1	171.1	83.3	+1	187.5	7,306
0	0.0	83.1	0	0.0	7,313
-1	(81.8)	82.7	-1	(187.5)	7,388
-2	(163.6)	82.4	-2	(374.9)	7,463
-3	(245.4)	82.0	-3	(562.4)	7,470
-4	(327.3)	81.6	-4	(749.8)	7,477
-5	(409.1)	81.3	-5	(937.3)	7,484
-6	(490.9)	80.9	-6	(1,124.7)	7,491
-7	(572.7)	80.6	-7	(1,312.2)	7,498
-8	(654.5)	80.2	-8	(1,499.7)	7,505
-9	(736.3)	79.9	-9	(1,687.1)	7,512
-10	(818.2)	79.5	-10	(1,874.6)	7,519

← **EA
F
P
O
I
N
T
S
6.298**

**Adjusted
EAF
84.2** →

← **AHR
P
O
I
N
T
S
-10.000**

**Adjusted
ANOHR
7,554** →

Weighting Factor =

9.32%

Weighting Factor =

10.20%

TAMPA ELECTRIC COMPANY
COMPARISON OF GPIF TARGETS VS ACTUAL PERFORMANCE

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 16 - DEC 16			ACTUAL PERFORMANCE JAN 16 - DEC 16		
			POF	EUOF	EUOR	POF	EUOF	EUOR
BIG BEND 1	2.08%	7.2%	6.6	14.7	15.8	5.9	14.5	15.4
BIG BEND 2	4.86%	16.9%	18.0	13.2	16.1	22.5	22.7	29.3
BIG BEND 3	3.53%	12.2%	12.3	11.1	12.6	12.6	33.6	38.4
BIG BEND 4	3.66%	12.7%	6.6	16.5	17.7	6.7	20.1	21.6
POLK 1	0.84%	2.9%	10.4	8.1	9.0	13.3	4.2	4.9
BAYSIDE 1	4.55%	15.8%	17.8	8.1	9.9	13.3	4.2	4.9
BAYSIDE 2	9.32%	32.3%	10.6	8.1	9.1	13.3	4.2	4.9
GPIF SYSTEM	28.8%	100.0%	12.4	10.9	12.4	13.4	13.7	16.0
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)			<u>76.7</u>			<u>72.9</u>		
			3 PERIOD AVERAGE			3 PERIOD AVERAGE		
			<u>POF EUOF EUOR</u>			<u>EA</u>		
			10.9 11.9 13.6			77.2		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	TARGET WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET HEAT RATE	ADJUSTED ACTUAL HEAT RATE
			JAN 16 - DEC 16	JAN 16 - DEC 16
BIG BEND 1	7.62%	10.7%	10,683	10,627
BIG BEND 2	13.76%	19.3%	10,460	10,318
BIG BEND 3	7.28%	10.2%	10,654	10,258
BIG BEND 4	14.48%	20.3%	10,458	10,241
POLK 1	7.18%	10.1%	10,191	9,855
BAYSIDE 1	10.64%	14.9%	7,251	7,359
BAYSIDE 2	10.20%	14.3%	7,388	7,554
GPIF SYSTEM	71.2%	100.0%		
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)			<u>9,556</u>	<u>9,444</u>

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE POINTS CALCULATION
JANUARY 2016 - DECEMBER 2016**

Points are calculated according to the formula:

$$GPIP = \sum_{i=1}^n [a_i(EAP_i) + e_i(AHRP_i)]$$

Where:

GPIP = Generating performance incentive points

a_i = Percentage of total system fuel cost reduction attributed to maximum reasonably attainable equivalent availability of unit i during the period

e_i = Percentage of total system fuel cost reduction attributed to minimum reasonably attainable average heat rate of unit i during the period

EAP_i = Equivalent availability points awarded/deducted for unit i

AHRP_i = Average heat rate points awarded/deducted for unit i

Weighting factors and point values are listed on page 4.

<i>GPIP</i> =	2.08%	*	(BB 1 EAP)	+	4.86%	*	(BB 2 EAP)	+	3.53%	*	(BB 3 EAP)	
	+	3.66%	*	(BB 4 EAP)	+	0.84%	*	(PK 1 EAP)	+	4.55%	*	(BAY 1 EAP)
	+	9.32%	*	(BAY 2 EAP)	+	7.62%	*	(BB 1 AHRP)	+	13.76%	*	(BB 2 AHRP)
	+	7.28%	*	(BB 3 AHRP)	+	14.48%	*	(BB 4 AHRP)	+	7.18%	*	(PK 1 AHRP)
	+	10.64%	*	(BAY 1 AHRP)	+	10.20%	*	(BAY 2 AHRP)				

<i>GPIP</i> =	2.08%	*	0.895	+	4.86%	*	-10.000	+	3.53%	*	-10.000	
	+	3.66%	*	-5.171	+	0.84%	*	10.000	+	4.55%	*	10.000
	+	9.32%	*	6.298	+	7.62%	*	0.000	+	13.76%	*	1.863
	+	7.28%	*	10.000	+	14.48%	*	4.609	+	7.18%	*	9.342
	+	10.64%	*	-3.253	+	10.20%	*	-10.000				

<i>GPIP</i> =		0.019		+		-0.486		+		-0.353
	+	-0.189		+		0.084		+		0.455
	+	0.587		+		0.000		+		0.256
	+	0.728		+		0.667		+		0.671
	+	-0.346		+		-1.020				

GPIP = 1.071 POINTS

REWARD/PENALTY dollar amounts of the Generating Performance Incentive Factor (GPIF) are determined directly from the table for the corresponding Generating Performance Points (GPIP) on page 2.

GPIF REWARD = \$1,024,743

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ACTUAL UNIT PERFORMANCE DATA

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BIG BEND 1	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	48.0	77.4	91.8	61.7	68.4	88.4	93.3	98.1	94.9	75.7	94.1	63.5	79.6
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	364.7	569.8	683.5	445.7	516.4	720.0	744.0	744.0	702.8	587.0	532.4	499.4	7,109.7
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146.3	0.0	146.3
5. UH	379.3	126.2	59.5	274.3	227.6	0.0	0.0	0.0	17.2	157.0	42.3	244.6	1,528.1
6. POH	0.0	0.0	0.0	274.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	244.6	518.9
7. FOH	379.3	126.2	59.5	0.0	227.6	0.0	0.0	0.0	17.2	157.0	0.0	0.0	966.9
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.3	0.0	42.3
9. PFOH	30.9	94.0	15.9	9.8	10.9	108.4	507.8	0.0	34.0	50.1	0.0	56.9	918.6
10. LR PF (MW)	94.0	131.7	23.5	18.8	161.5	28.8	30.4	0.0	217.3	180.0	0.0	189.9	69.0
11. PMOH	0.0	0.3	1.0	1.4	6.7	408.4	133.3	21.9	1.0	1.0	0.3	0.0	575.3
12. LR PM (MW)	0.0	206.9	214.4	195.0	169.0	70.9	28.7	249.8	216.4	216.9	216.0	0.0	70.3
13. NSC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.0
14. OPR BTU(GBTU)	894.3	1,684.9	1,958.1	1,221.2	1,991.4	2,459.8	2,435.2	2,421.1	2,180.5	1,704.3	1,427.7	1,473.0	21,851.3
15. NET GEN (MWH)	82,135	157,430	181,868	113,374	184,974	230,382	223,155	217,261	195,902	151,866	124,952	133,340	1,996,639
16. ANOHR (BTU/KWH)	10,888.1	10,702.4	10,766.4	10,771.3	10,765.8	10,676.9	10,912.4	11,143.7	11,130.5	11,222.7	11,425.7	11,046.9	10,944.0
17. NOF (%)	57.0	69.9	67.4	66.1	93.0	83.1	77.9	75.8	72.4	67.2	61.0	67.6	72.4
18. NPC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
19. ANOHR EQUATION	ANOHR = NOF (-16.86) + (12,219)												

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

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PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 2	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	76.7	8.4	68.3	0.0	0.0	36.8	95.6	86.2	62.4	67.8	91.9	59.6	54.8
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	595.3	59.5	570.0	0.0	0.0	353.5	717.0	674.6	489.2	585.8	613.7	496.1	5,154.7
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.5	0.0	79.5
5. UH	148.7	636.5	173.0	720.0	744.0	366.5	27.0	69.4	230.8	158.2	27.8	247.9	3,549.8
6. POH	0.0	0.0	173.0	720.0	744.0	90.0	0.0	0.0	0.0	0.0	0.0	247.9	1,974.9
7. FOH	148.7	636.5	0.0	0.0	0.0	276.5	27.0	69.4	230.8	158.2	0.0	0.0	1,547.1
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	0.0	27.8
9. PFOH	220.2	20.0	519.3	0.0	0.0	137.8	22.3	274.0	450.3	462.0	234.0	468.6	2,808.5
10. LR PF (MW)	31.3	21.9	43.0	0.0	0.0	246.9	15.1	37.5	34.2	67.9	49.7	44.3	54.6
11. PMOH	144.3	0.0	50.7	0.0	0.0	0.0	8.4	11.7	0.0	0.2	0.7	0.0	215.8
12. LR PM (MW)	19.5	0.0	45.9	0.0	0.0	0.0	230.1	216.0	0.0	178.4	216.0	0.0	45.2
13. NSC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
14. OPR BTU(GBTU)	1,571.3	211.3	1,598.4	0.0	0.0	872.0	2,560.0	2,292.2	1,484.7	1,772.6	1,690.4	1,692.0	15,744.9
15. NET GEN (MWH)	138,943	18,535	144,508	0	0	83,401	253,184	221,287	139,783	159,715	148,516	159,739	1,467,611
16. ANOHR (BTU/KWH)	11,308.6	11,401.7	11,060.9	0.0	0.0	10,455.5	10,111.1	10,358.3	10,621.5	11,098.8	11,382.1	10,592.3	10,728.0
17. NOF (%)	59.1	78.9	64.2	0.0	0.0	61.3	91.7	85.2	74.2	70.8	62.9	81.5	73.3
18. NPC (MW)	395.0	395.0	395.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	395.0	388.3
19. ANOHR EQUATION	ANOHR = NOF	(-21.73) + (12,462)											

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ACTUAL UNIT PERFORMANCE DATA

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BIG BEND 3	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	37.8	11.3	53.5	59.3	74.2	52.7	44.6	53.0	49.6	85.4	56.7	65.7	53.9
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	201.7	158.5	660.2	675.6	556.3	622.7	476.6	572.3	516.7	743.1	455.8	664.1	6,303.7
4. RSH	176.3	0.0	71.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	247.8
5. UH	366.0	537.5	11.3	44.4	187.8	97.3	267.4	171.7	203.3	0.9	265.2	79.9	2,232.5
6. POH	313.0	537.5	0.0	0.0	0.0	0.0	0.0	169.0	82.9	0.0	0.0	0.0	1,102.4
7. FOH	53.0	0.0	0.0	44.4	187.8	97.3	267.4	2.7	120.4	0.9	188.4	79.9	1,042.0
8. MOH	0.0	0.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.8	0.0	88.1
9. PFOH	145.2	158.5	660.2	561.0	91.1	587.6	476.6	572.3	516.7	729.8	452.0	575.1	5,525.9
10. LR PF (MW)	266.6	202.4	202.4	175.1	9.4	163.2	120.1	122.9	122.3	58.3	40.9	120.4	130.4
11. PMOH	0.0	0.0	0.0	0.0	9.2	0.4	0.0	0.0	0.0	0.7	0.0	4.8	15.0
12. LR PM (MW)	0.0	0.0	0.0	0.0	84.0	164.7	0.0	0.0	0.0	112.9	0.0	197.6	123.3
13. NSC (MW)	400.0	400.0	400.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	400.0	396.3
14. OPR BTU(GBTU)	405.2	234.4	1,060.7	1,369.2	2,157.6	1,497.2	1,349.8	1,617.1	1,423.2	2,409.5	1,176.2	1,868.7	16,568.7
15. NET GEN (MWH)	34,135	21,494	100,847	131,589	204,773	139,051	122,309	148,589	129,000	228,928	111,580	171,065	1,543,360
16. ANOHR BTU/KWH	11,871.9	10,904.0	10,518.1	10,404.8	10,536.7	10,767.1	11,035.9	10,882.8	11,032.3	10,525.2	10,541.4	10,923.7	10,735.0
17. NOF (%)	42.3	33.9	38.2	49.3	93.2	56.5	65.0	65.7	63.2	78.0	62.0	64.4	61.8
18. NPC (MW)	400.0	400.0	400.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	400.0	396.7
19. ANOHR EQUATION	ANOHR = NOF (-21.73) + (12,462)												

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PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 4	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	92.7	73.4	63.1	68.1	92.3	63.4	74.2	69.6	89.7	84.2	44.8	62.2	73.2
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	744.0	648.9	469.6	551.0	691.5	600.3	640.3	536.7	720.0	737.2	268.1	709.4	7,317.0
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153.0	0.0	153.0
5. UH	0.0	47.1	273.4	169.0	52.5	119.7	103.8	207.3	0.0	6.8	299.9	34.6	1,314.0
6. POH	0.0	47.1	273.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	264.7	0.0	585.2
7. FOH	0.0	0.0	0.0	0.0	1.6	0.0	20.7	207.3	0.0	6.8	9.5	34.6	280.5
8. MOH	0.0	0.0	0.0	169.0	50.9	119.7	83.0	0.0	0.0	0.0	25.7	0.0	448.3
9. PFOH	379.2	627.7	0.0	279.5	35.2	474.0	617.2	281.8	562.4	711.9	24.2	701.6	4,694.9
10. LR PF (MW)	61.5	93.0	0.0	83.3	47.4	132.8	62.4	29.2	52.4	62.5	232.6	152.6	85.8
11. PMOH	4.5	10.9	1.4	12.6	1.5	0.0	0.0	0.0	12.1	25.3	243.9	7.3	319.4
12. LR PM (MW)	138.8	241.0	228.0	255.9	220.0	0.0	0.0	0.0	254.2	154.9	153.2	250.8	166.8
13. NSC (MW)	442.0	442.0	442.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	442.0	438.8
14. OPR BTU(GBTU)	2,255.9	1,823.9	1,126.6	1,536.5	2,677.9	1,911.2	2,403.1	2,274.3	2,775.6	2,558.5	590.6	2,010.0	23,944.1
15. NET GEN (MWH)	215,861	178,896	102,685	149,165	255,872	184,528	230,994	214,424	257,688	246,498	52,412	186,896	2,275,919
16. ANOHR BTU/KWH	10,450.6	10,195.3	10,971.8	10,300.7	10,465.7	10,357.4	10,403.3	10,606.3	10,771.0	10,379.4	11,268.4	10,754.8	10,521.0
17. NOF (%)	65.6	62.4	49.5	61.9	84.7	70.3	82.6	91.4	81.9	76.5	44.7	59.6	70.9
18. NPC (MW)	442.0	442.0	442.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	442.0	438.7
19. ANOHR EQUATION	ANOHR = NOF (-13.92) + (11,725)												

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PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
POLK 1	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	100.0	92.3	84.0	74.2	10.2	98.1	97.2	99.4	99.9	83.9	88.4	63.4	82.4
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	744.0	599.4	624.2	534.2	75.7	657.2	723.4	739.6	719.1	624.1	637.3	471.4	7,149.6
4. RSH	0.0	42.8	0.0	0.0	0.0	49.4	0.0	0.0	0.0	0.0	0.0	0.0	92.2
5. UH	0.0	53.8	118.8	185.8	668.3	13.4	20.6	4.4	0.9	119.9	83.7	272.6	1,542.2
6. POH	0.0	0.0	0.0	178.8	635.0	0.0	0.0	0.0	0.0	0.0	83.7	272.6	1,170.0
7. FOH	0.0	38.0	118.8	7.1	33.4	13.4	20.6	4.4	0.9	4.3	0.0	0.0	240.8
8. MOH	0.0	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115.6	0.0	0.0	131.4
9. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. NSC (MW)	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
14. OPR BTU(GBTU)	1,618.4	1,270.0	1,400.2	1,131.8	94.1	1,249.0	1,550.3	1,518.9	1,542.0	1,144.8	1,070.1	964.1	14,553.8
15. NET GEN (MWH)	164,199	127,694	137,804	118,079	2,883	131,352	158,410	151,850	151,392	120,540	114,322	97,650	1,476,175
16. ANOHR BTU/KWH	9,856.5	9,945.4	10,160.7	9,585.3	32,651.4	9,509.1	9,786.9	10,002.8	10,185.4	9,496.9	9,360.1	9,873.3	9,859.0
17. NOF (%)	100.3	96.8	100.3	100.5	17.3	90.9	99.5	93.3	95.7	87.8	81.5	94.2	93.8
18. NPC (MW)	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
19. ANOHR EQUATION	ANOHR = NOF (-22.73) + (12,327)												

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ORIGINAL SHEET NO. 8.401.16A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA Revised 10/2017

JANUARY 2016 - DECEMBER 2016

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 UNIT 1	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	100.0	61.5	99.7	99.3	98.4	96.6	100.0	99.8	97.7	25.3	0.0	57.5	78.1
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	744.0	444.6	743.0	718.4	744.0	720.0	744.0	744.0	720.0	210.6	0.0	454.0	6,986.6
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.5
5. UH	0.0	251.4	0.0	1.6	0.0	0.0	0.0	0.0	0.0	533.4	721.0	285.5	1,792.9
6. POH	0.0	251.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	533.4	721.0	251.6	1,757.4
7. FOH	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.7	34.2
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
9. PFOH	0.2	0.1	7.1	2.1	36.7	0.0	0.0	6.5	1.8	0.0	0.0	152.9	207.3
10. LR PF (MW)	0.0	264.0	264.0	233.7	233.7	0.0	0.0	190.0	233.7	0.0	0.0	108.2	140.6
11. PMOH	0.0	49.3	0.0	9.2	0.0	74.3	0.0	0.0	46.9	67.0	0.0	666.8	913.5
12. LR PM (MW)	0.0	264.0	0.0	233.7	0.0	233.7	0.0	0.0	233.7	233.7	0.0	11.7	73.3
13. NSC (MW)	792.0	792.0	792.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	792.0	732.1
14. OPR BTU(GBTU)	2,763.9	1,716.0	2,736.0	2,802.2	2,429.1	2,600.6	2,713.5	2,534.2	2,435.1	609.9	0.0	845.5	24,186.0
15. NET GEN (MWH)	377,266	231,967	368,785	376,751	332,398	351,323	366,732	342,562	334,034	82,689	0	117,179	3,281,686
16. ANOHR (BTU/KWH)	7,326.1	7,397.7	7,418.9	7,437.8	7,307.8	7,402.2	7,399.1	7,397.9	7,290.0	7,375.5	0.0	7,215.7	7,370.0
17. NOF (%)	64.0	65.9	62.7	74.8	63.7	69.6	70.3	65.7	66.2	56.0	0.0	32.6	64.2
18. NPC (MW)	792.0	792.0	792.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	792.0	731.3
19. ANOHR EQUATION	ANOHR = NOF (-1.507) + (7.359)												

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA Revised 10/2017

JANUARY 2016 - DECEMBER 2016

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 UNIT 2	JAN 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	98.0	84.6	49.8	94.5	99.0	91.4	99.7	99.5	46.8	93.5	98.7	94.4	87.4
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	744.0	647.6	487.8	711.3	744.0	714.0	744.0	744.0	398.0	731.3	721.0	744.0	8,131.1
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	2.2
5. UH	0.0	48.4	255.2	8.7	0.0	6.0	0.0	0.0	322.0	10.5	0.0	0.0	650.8
6. POH	0.0	48.4	255.2	0.0	0.0	0.0	0.0	0.0	322.0	0.0	0.0	0.0	625.6
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. MOH	0.0	0.0	0.0	8.7	0.0	6.0	0.0	0.0	0.0	10.5	0.0	0.0	25.2
9. PFOH	0.3	10.3	52.3	0.0	42.0	151.9	0.0	23.1	2.1	124.0	12.3	168.0	586.2
10. LR PF (MW)	261.8	261.8	261.8	0.0	2.5	232.3	0.0	145.2	232.3	232.3	232.3	261.8	224.0
11. PMOH	58.6	224.5	478.0	123.3	29.1	72.8	8.8	0.0	61.9	28.8	24.8	0.0	1,110.6
12. LR PM (MW)	261.8	261.8	229.5	232.3	232.3	232.3	232.3	0.0	907.8	232.3	232.3	0.0	276.2
13. NSC (MW)	1,047.0	1,047.0	1,047.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	1,047.0	967.1
14. OPR BTU(GBTU)	3,286.1	3,245.7	1,665.9	3,441.5	3,087.5	3,190.7	2,996.5	2,994.2	1,203.5	2,782.0	3,603.8	2,634.0	34,131.4
15. NET GEN (MWH)	448,880	437,523	218,662	459,495	420,466	430,613	402,670	403,380	163,358	362,913	436,801	349,652	4,534,413
16. ANOHR (BTU/KWH)	7,320.6	7,418.3	7,618.7	7,489.7	7,343.1	7,409.6	7,441.6	7,422.8	7,367.4	7,665.7	8,250.5	7,533.3	7,527.0
17. NOF (%)	57.6	64.5	42.8	69.5	60.8	64.9	58.3	58.4	44.2	53.4	65.2	44.9	57.7
18. NPC (MW)	1,047.0	1,047.0	1,047.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	1,047.0	968.3
19. ANOHR EQUATION	ANOHR = NOF (-6.489) + (7.735)												

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DOCKET NO. 20180001-EI
GPIF 2017 FINAL TRUE-UP
DOCUMENT NO. 7

EXHIBIT TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCKET NO. 20180001-EI

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2017 - DECEMBER 2017
TARGETS

DOCUMENT NO. 7

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2017 - DECEMBER 2017
TARGETS
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**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE
JANUARY 2017 - DECEMBER 2017**

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+10	16,986.4	8,493.2
+9	15,287.8	7,643.9
+8	13,589.1	6,794.6
+7	11,890.5	5,945.2
+6	10,191.8	5,095.9
+5	8,493.2	4,246.6
+4	6,794.6	3,397.3
+3	5,095.9	2,548.0
+2	3,397.3	1,698.6
+1	1,698.6	849.3
0	0.0	0.0
-1	(2,461.7)	(849.3)
-2	(4,923.3)	(1,698.6)
-3	(7,385.0)	(2,548.0)
-4	(9,846.6)	(3,397.3)
-5	(12,308.3)	(4,246.6)
-6	(14,769.9)	(5,095.9)
-7	(17,231.6)	(5,945.2)
-8	(19,693.2)	(6,794.6)
-9	(22,154.9)	(7,643.9)
-10	(24,616.6)	(8,493.2)

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
JANUARY 2017 - DECEMBER 2017**

Line 1	Beginning of period balance of common equity:		\$	2,425,777,000	
	End of month common equity:				
Line 2	Month of January	2017	\$	2,366,384,000	
Line 3	Month of February	2017	\$	2,386,596,863	
Line 4	Month of March	2017	\$	2,406,982,378	
Line 5	Month of April	2017	\$	2,446,336,641	
Line 6	Month of May	2017	\$	2,467,232,433	
Line 7	Month of June	2017	\$	2,488,306,710	
Line 8	Month of July	2017	\$	2,428,236,665	
Line 9	Month of August	2017	\$	2,448,977,853	
Line 10	Month of September	2017	\$	2,469,896,205	
Line 11	Month of October	2017	\$	2,509,403,740	
Line 12	Month of November	2017	\$	2,530,838,231	
Line 13	Month of December	2017	\$	2,552,455,807	
Line 14	(Summation of line 1 through line 13 divided by 13)		\$	2,455,955,733	
Line 15	25 Basis points			0.0025	
Line 16	Revenue Expansion Factor			61.27%	
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)		\$	10,021,516	
Line 18	Jurisdictional Sales			19,114,079	MWH
Line 19	Total Sales			19,128,439	MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)			99.92%	
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)		\$	10,013,992	
Line 22	Incentive Cap (50% of projected fuel savings at 10 GPIF-point level from Sheet No. 3.515)		\$	8,493,208	
Line 23	Maximum Allowed GPIF Reward (at 10 GPIF-point level) (the lesser of line 21 and line 22)		\$	8,493,208	

Note: Line 22 and 23 are as approved by Commission order PSC-13-0665-FOF-EI dated 12/18/13 effective 1/1/14.

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2017 - DECEMBER 2017

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	7.08%	80.5	83.4	74.7	1,202.8	(2,645.5)
BIG BEND 2	9.32%	69.6	74.7	59.4	1,583.0	(2,015.7)
BIG BEND 3	5.94%	61.4	65.8	52.6	1,008.9	(2,918.2)
BIG BEND 4	8.38%	79.1	82.3	72.7	1,422.8	(2,981.1)
POLK 1	4.59%	82.1	84.6	77.2	779.9	(1,476.4)
BAYSIDE 1	2.94%	75.3	77.5	71.0	498.6	(1,194.0)
BAYSIDE 2	0.67%	76.1	78.0	72.4	113.7	(1,008.8)
GPIF SYSTEM	38.91%					

AVERAGE NET OPERATING HEAT RATE

<u>PLANT / UNIT</u>	<u>WEIGHTING FACTOR (%)</u>	<u>ANOHR Btu/kwh</u>	<u>TARGET NOF</u>	<u>ANOHR RANGE</u>		<u>MAX. FUEL SAVINGS (\$000)</u>	<u>MAX. FUEL LOSS (\$000)</u>
				<u>MIN.</u>	<u>MAX.</u>		
BIG BEND 1	9.88%	10,698	87.7	10,409	10,987	1,677.5	(1,677.5)
BIG BEND 2	13.51%	10,545	86.9	10,098	10,992	2,294.1	(2,294.1)
BIG BEND 3	6.69%	10,588	84.3	10,324	10,852	1,136.4	(1,136.4)
BIG BEND 4	7.71%	10,447	82.0	10,243	10,652	1,309.3	(1,309.3)
POLK 1	7.51%	10,048	97.3	9,528	10,568	1,275.5	(1,275.5)
BAYSIDE 1	5.80%	7,357	52.7	7,279	7,435	985.1	(985.1)
BAYSIDE 2	10.00%	7,526	32.6	7,388	7,665	1,698.7	(1,698.7)
GPIF SYSTEM	61.09%						

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

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 17 - DEC 17			ACTUAL PERFORMANCE JAN 15 - DEC 15			ACTUAL PERFORMANCE JAN 14 - DEC 14			ACTUAL PERFORMANCE JAN 13 - DEC 13		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
BIG BEND 1	7.08%	18.2%	6.6	12.9	13.8	27.0	14.0	19.2	5.6	10.8	11.5	10.8	17.6	19.8
BIG BEND 2	9.32%	24.0%	6.6	23.8	25.5	7.5	46.8	50.5	8.4	10.6	11.6	6.1	18.3	19.5
BIG BEND 3	5.94%	15.3%	21.9	16.7	21.3	3.7	24.1	25.0	5.1	15.8	16.7	25.0	8.5	11.3
BIG BEND 4	8.38%	21.5%	6.6	14.3	15.3	3.8	15.1	15.7	20.7	11.2	14.2	4.8	17.6	18.5
POLK 1	4.59%	11.8%	7.4	10.5	11.3	13.5	16.0	19.0	5.0	8.7	10.6	15.3	6.7	8.8
BAYSIDE 1	2.94%	7.5%	18.6	6.1	7.5	11.8	2.3	2.7	6.2	11.5	14.1	3.8	7.5	8.7
BAYSIDE 2	0.67%	1.7%	19.5	4.4	5.5	7.2	3.7	4.1	5.0	5.4	5.7	4.1	12.2	13.1
GPIF SYSTEM	38.91%	100.0%	10.1	15.5	17.2	10.7	22.8	25.3	9.4	11.3	12.9	10.4	14.2	15.9
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)			74.4			66.5			79.3			75.3		
			3 PERIOD AVERAGE			3 PERIOD AVERAGE								
			POF	EUOF	EUOR	EAF								
			10.2	16.1	18.0	73.7								

AVERAGE NET OPERATING HEAT RATE (Btu/kWh)

PLANT / UNIT	WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET	ADJUSTED	ADJUSTED	ADJUSTED
			HEAT RATE JAN 17 - DEC 17	ACTUAL PERFORMANCE HEAT RATE JAN 15 - DEC 15	ACTUAL PERFORMANCE HEAT RATE JAN 14 - DEC 14	ACTUAL PERFORMANCE HEAT RATE JAN 13 - DEC 13
BIG BEND 1	9.88%	16.2%	10,698	10,600	10,594	10,535
BIG BEND 2	13.51%	22.1%	10,545	10,428	10,313	10,339
BIG BEND 3	6.69%	11.0%	10,588	10,352	10,437	10,567
BIG BEND 4	7.71%	12.6%	10,447	10,381	10,275	10,482
POLK 1	7.51%	12.3%	10,048	10,298	10,167	10,618
BAYSIDE 1	5.80%	9.5%	7,357	7,410	7,440	7,329
BAYSIDE 2	10.00%	16.4%	7,526	7,605	7,593	7,565
GPIF SYSTEM	61.09%	100.0%				
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kWh)			9,704	9,677	9,631	9,708

**TAMPA ELECTRIC COMPANY
DERIVATION OF WEIGHTING FACTORS
JANUARY 2017 - DECEMBER 2017
PRODUCTION COSTING SIMULATION
FUEL COST (\$000)**

UNIT PERFORMANCE INDICATOR	AT TARGET (1)	AT MAXIMUM IMPROVEMENT (2)	SAVINGS (3)	WEIGHTING FACTOR (% OF SAVINGS)
EQUIVALENT AVAILABILITY				
EA ₁ BIG BEND 1	695,758.1	694,555.3	1,202.8	7.08%
EA ₂ BIG BEND 2	695,758.1	694,175.0	1,583.0	9.32%
EA ₃ BIG BEND 3	695,758.1	694,749.2	1,008.9	5.94%
EA ₄ BIG BEND 4	695,758.1	694,335.3	1,422.8	8.38%
EA ₅ POLK 1	695,758.1	694,978.2	779.9	4.59%
EA ₆ BAYSIDE 1	695,758.1	695,259.5	498.6	2.94%
EA ₇ BAYSIDE 2	695,758.1	695,644.4	113.7	0.67%
AVERAGE HEAT RATE				
AHR ₁ BIG BEND 1	695,758.1	694,080.5	1,677.5	9.88%
AHR ₂ BIG BEND 2	695,758.1	693,463.9	2,294.1	13.51%
AHR ₃ BIG BEND 3	695,758.1	694,621.7	1,136.4	6.69%
AHR ₄ BIG BEND 4	695,758.1	694,448.7	1,309.3	7.71%
AHR ₅ POLK 1	695,758.1	694,482.6	1,275.5	7.51%
AHR ₆ BAYSIDE 1	695,758.1	694,772.9	985.1	5.80%
AHR ₇ BAYSIDE 2	695,758.1	694,059.4	1,698.7	10.00%
TOTAL SAVINGS			16,986.4	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 2017 - DECEMBER 2017

BIG BEND 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,202.8	83.4	+10	1,677.5	10,409
+9	1,082.5	83.1	+9	1,509.8	10,430
+8	962.2	82.9	+8	1,342.0	10,451
+7	841.9	82.6	+7	1,174.3	10,473
+6	721.7	82.3	+6	1,006.5	10,494
+5	601.4	82.0	+5	838.8	10,516
+4	481.1	81.7	+4	671.0	10,537
+3	360.8	81.4	+3	503.3	10,559
+2	240.6	81.1	+2	335.5	10,580
+1	120.3	80.8	+1	167.8	10,601
					10,623
0	0.0	80.5	0	0.0	10,698
					10,773
-1	(264.6)	79.9	-1	(167.8)	10,794
-2	(529.1)	79.4	-2	(335.5)	10,816
-3	(793.7)	78.8	-3	(503.3)	10,837
-4	(1,058.2)	78.2	-4	(671.0)	10,859
-5	(1,322.8)	77.6	-5	(838.8)	10,880
-6	(1,587.3)	77.0	-6	(1,006.5)	10,901
-7	(1,851.9)	76.5	-7	(1,174.3)	10,923
-8	(2,116.4)	75.9	-8	(1,342.0)	10,944
-9	(2,381.0)	75.3	-9	(1,509.8)	10,966
-10	(2,645.5)	74.7	-10	(1,677.5)	10,987

Weighting Factor =

7.08%

Weighting Factor =

9.88%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2017 - DECEMBER 2017

BIG BEND 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,583.0	74.7	+10	2,294.1	10,098
+9	1,424.7	74.2	+9	2,064.7	10,135
+8	1,266.4	73.7	+8	1,835.3	10,172
+7	1,108.1	73.1	+7	1,605.9	10,209
+6	949.8	72.6	+6	1,376.5	10,247
+5	791.5	72.1	+5	1,147.1	10,284
+4	633.2	71.6	+4	917.7	10,321
+3	474.9	71.1	+3	688.2	10,358
+2	316.6	70.6	+2	458.8	10,396
+1	158.3	70.1	+1	229.4	10,433
					10,470
0	0.0	69.6	0	0.0	10,545
					10,620
-1	(201.6)	68.6	-1	(229.4)	10,657
-2	(403.1)	67.5	-2	(458.8)	10,695
-3	(604.7)	66.5	-3	(688.2)	10,732
-4	(806.3)	65.5	-4	(917.7)	10,769
-5	(1,007.9)	64.5	-5	(1,147.1)	10,806
-6	(1,209.4)	63.5	-6	(1,376.5)	10,843
-7	(1,411.0)	62.4	-7	(1,605.9)	10,881
-8	(1,612.6)	61.4	-8	(1,835.3)	10,918
-9	(1,814.1)	60.4	-9	(2,064.7)	10,955
-10	(2,015.7)	59.4	-10	(2,294.1)	10,992

Weighting Factor =

9.32%

Weighting Factor =

13.51%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2017 - DECEMBER 2017

BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,008.9	65.8	+10	1,136.4	10,324
+9	908.0	65.4	+9	1,022.7	10,343
+8	807.1	65.0	+8	909.1	10,361
+7	706.2	64.5	+7	795.5	10,380
+6	605.4	64.1	+6	681.8	10,399
+5	504.5	63.6	+5	568.2	10,418
+4	403.6	63.2	+4	454.6	10,437
+3	302.7	62.7	+3	340.9	10,456
+2	201.8	62.3	+2	227.3	10,475
+1	100.9	61.9	+1	113.6	10,494
					10,513
0	0.0	61.4	0	0.0	10,588
					10,663
-1	(291.8)	60.5	-1	(113.6)	10,682
-2	(583.6)	59.6	-2	(227.3)	10,701
-3	(875.5)	58.8	-3	(340.9)	10,720
-4	(1,167.3)	57.9	-4	(454.6)	10,738
-5	(1,459.1)	57.0	-5	(568.2)	10,757
-6	(1,750.9)	56.1	-6	(681.8)	10,776
-7	(2,042.7)	55.2	-7	(795.5)	10,795
-8	(2,334.5)	54.3	-8	(909.1)	10,814
-9	(2,626.4)	53.4	-9	(1,022.7)	10,833
-10	(2,918.2)	52.6	-10	(1,136.4)	10,852

Weighting Factor =

5.94%

Weighting Factor =

6.69%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2017 - DECEMBER 2017

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	1,422.8	82.3	+10	1,309.3	10,243
+9	1,280.5	82.0	+9	1,178.4	10,256
+8	1,138.2	81.6	+8	1,047.5	10,269
+7	995.9	81.3	+7	916.5	10,282
+6	853.7	81.0	+6	785.6	10,295
+5	711.4	80.7	+5	654.7	10,308
+4	569.1	80.4	+4	523.7	10,320
+3	426.8	80.0	+3	392.8	10,333
+2	284.6	79.7	+2	261.9	10,346
+1	142.3	79.4	+1	130.9	10,359
					10,372
0	0.0	79.1	0	0.0	10,447
					10,522
-1	(298.1)	78.4	-1	(130.9)	10,535
-2	(596.2)	77.8	-2	(261.9)	10,548
-3	(894.3)	77.2	-3	(392.8)	10,561
-4	(1,192.5)	76.5	-4	(523.7)	10,574
-5	(1,490.6)	75.9	-5	(654.7)	10,587
-6	(1,788.7)	75.2	-6	(785.6)	10,600
-7	(2,086.8)	74.6	-7	(916.5)	10,613
-8	(2,384.9)	74.0	-8	(1,047.5)	10,626
-9	(2,683.0)	73.3	-9	(1,178.4)	10,639
-10	(2,981.1)	72.7	-10	(1,309.3)	10,652

Weighting Factor =

8.38%

Weighting Factor =

7.71%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2017 - DECEMBER 2017

POLK 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	779.9	84.6	+10	1,275.5	9,528
+9	701.9	84.3	+9	1,148.0	9,572
+8	623.9	84.1	+8	1,020.4	9,617
+7	545.9	83.8	+7	892.9	9,661
+6	467.9	83.6	+6	765.3	9,706
+5	389.9	83.3	+5	637.8	9,750
+4	311.9	83.1	+4	510.2	9,795
+3	234.0	82.8	+3	382.7	9,839
+2	156.0	82.6	+2	255.1	9,884
+1	78.0	82.3	+1	127.6	9,928
					9,973
0	0.0	82.1	0	0.0	10,048
					10,123
-1	(147.6)	81.6	-1	(127.6)	10,167
-2	(295.3)	81.1	-2	(255.1)	10,212
-3	(442.9)	80.6	-3	(382.7)	10,256
-4	(590.5)	80.1	-4	(510.2)	10,301
-5	(738.2)	79.6	-5	(637.8)	10,345
-6	(885.8)	79.1	-6	(765.3)	10,390
-7	(1,033.5)	78.6	-7	(892.9)	10,434
-8	(1,181.1)	78.1	-8	(1,020.4)	10,479
-9	(1,328.7)	77.7	-9	(1,148.0)	10,523
-10	(1,476.4)	77.2	-10	(1,275.5)	10,568

Weighting Factor =

4.59%

Weighting Factor =

7.51%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2017 - DECEMBER 2017

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	498.6	77.5	+10	985.1	7,279
+9	448.8	77.2	+9	886.6	7,279
+8	398.9	77.0	+8	788.1	7,279
+7	349.0	76.8	+7	689.6	7,280
+6	299.2	76.6	+6	591.1	7,280
+5	249.3	76.4	+5	492.6	7,280
+4	199.4	76.2	+4	394.1	7,281
+3	149.6	76.0	+3	295.5	7,281
+2	99.7	75.7	+2	197.0	7,281
+1	49.9	75.5	+1	98.5	7,282
					7,282
0	0.0	75.3	0	0.0	7,357
					7,432
-1	(119.4)	74.9	-1	(98.5)	7,432
-2	(238.8)	74.5	-2	(197.0)	7,433
-3	(358.2)	74.0	-3	(295.5)	7,433
-4	(477.6)	73.6	-4	(394.1)	7,433
-5	(597.0)	73.2	-5	(492.6)	7,434
-6	(716.4)	72.7	-6	(591.1)	7,434
-7	(835.8)	72.3	-7	(689.6)	7,434
-8	(955.2)	71.9	-8	(788.1)	7,435
-9	(1,074.6)	71.4	-9	(886.6)	7,435
-10	(1,194.0)	71.0	-10	(985.1)	7,435

Weighting Factor =

2.94%

Weighting Factor =

5.80%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2017 - DECEMBER 2017

BAYSIDE 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	113.7	78.0	+10	1,698.7	7,388
+9	102.3	77.8	+9	1,528.8	7,394
+8	90.9	77.6	+8	1,359.0	7,400
+7	79.6	77.4	+7	1,189.1	7,407
+6	68.2	77.2	+6	1,019.2	7,413
+5	56.8	77.0	+5	849.4	7,420
+4	45.5	76.8	+4	679.5	7,426
+3	34.1	76.6	+3	509.6	7,432
+2	22.7	76.5	+2	339.7	7,439
+1	11.4	76.3	+1	169.9	7,445
					7,451
0	0.0	76.1	0	0.0	7,526
					7,601
-1	(100.9)	75.7	-1	(169.9)	7,608
-2	(201.8)	75.3	-2	(339.7)	7,614
-3	(302.7)	75.0	-3	(509.6)	7,621
-4	(403.5)	74.6	-4	(679.5)	7,627
-5	(504.4)	74.2	-5	(849.4)	7,633
-6	(605.3)	73.9	-6	(1,019.2)	7,640
-7	(706.2)	73.5	-7	(1,189.1)	7,646
-8	(807.1)	73.1	-8	(1,359.0)	7,652
-9	(908.0)	72.7	-9	(1,528.8)	7,659
-10	(1,008.8)	72.4	-10	(1,698.7)	7,665

Weighting Factor =

0.67%

Weighting Factor =

10.00%

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2017 - DECEMBER 2017

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-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	2017	
1. EAF (%)	75.1	55.4	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	58.4	80.5	
2. POF	12.9	35.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.3	6.6	
3. EUOF	12.0	8.9	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	9.4	12.9	
4. EUOR	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760	
6. SH	391	273	544	557	422	560	582	572	561	566	299	304	5,631	
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0	
8. UH	353	399	199	163	322	160	162	172	159	178	422	440	3,129	
9. POH	96	240	0	0	0	0	0	0	0	0	0	240	576	
10. EFOH	71	48	82	79	82	79	82	82	79	82	79	55	900	
11. EMOH	18	12	21	20	21	20	21	21	20	21	20	14	230	
12. OPER BTU (GBTU)	1,408	1,033	2,095	2,040	1,511	1,994	2,076	2,040	2,021	2,033	1,090	1,168	20,514	
13. NET GEN (MWH)	131,070	96,850	197,020	191,140	141,080	185,950	193,730	190,300	188,830	189,850	102,010	109,760	1,917,590	
14. ANOHR (Btu/kwh)	10,743	10,664	10,635	10,675	10,712	10,721	10,717	10,718	10,702	10,707	10,683	10,639	10,698	
15. NOF (%)	84.9	89.8	91.7	89.1	86.8	86.2	86.5	86.4	87.4	87.1	88.6	91.4	87.7	
16. NPC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	388	
17. ANOHR EQUATION	ANOHR = NOF(-15.843) +										12,087

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2017 - DECEMBER 2017

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-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	2017
1. EAF (%)	67.3	45.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	50.4	69.6
2. POF	9.7	39.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.3	6.6
3. EUOF	23.1	15.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	17.3	23.8
4. EUOR	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	541	305	591	541	485	553	560	587	576	598	489	332	6,158
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	203	367	152	179	259	167	184	157	144	146	232	412	2,602
9. POH	72	264	0	0	0	0	0	0	0	0	0	240	576
10. EFOH	150	91	166	161	166	161	166	166	161	166	161	112	1,825
11. EMOH	22	13	24	23	24	23	24	24	23	24	23	16	264
12. OPER BTU (GBTU)	1,900	1,175	2,089	1,906	1,711	1,948	1,957	2,080	2,132	2,132	1,735	1,152	21,921
13. NET GEN (MWH)	179,920	111,840	197,880	180,720	162,270	184,740	185,480	197,280	202,680	202,330	164,580	109,040	2,078,760
14. ANOHR (Btu/kwh)	10,561	10,510	10,558	10,546	10,545	10,546	10,550	10,543	10,518	10,539	10,542	10,568	10,545
15. NOF (%)	84.2	92.8	84.8	86.8	86.9	86.8	86.0	87.3	91.4	87.9	87.4	83.1	86.9
16. NPC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	388
17. ANOHR EQUATION	ANOHR = NOF(-5.963) +	11,063								

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2017 - DECEMBER 2017

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-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	2017
1. EAF (%)	78.7	78.7	78.7	70.8	0.0	0.0	63.4	78.7	78.7	78.7	76.0	55.8	61.4
2. POF	0.0	0.0	0.0	10.0	100.0	100.0	19.4	0.0	0.0	0.0	3.3	29.0	21.9
3. EUOF	21.3	21.3	21.3	19.2	0.0	0.0	17.2	21.3	21.3	21.3	20.6	15.1	16.7
4. EUOR	21.3	21.3	21.3	21.3	0.0	0.0	21.3	21.3	21.3	21.3	21.3	21.3	21.3
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	634	573	626	500	0	0	433	630	572	626	501	357	5,452
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	110	99	117	220	744	720	311	114	148	118	220	387	3,308
9. POH	0	0	0	72	744	720	144	0	0	0	24	216	1,920
10. EFOH	146	132	146	127	0	0	118	146	142	146	137	104	1,346
11. EMOH	12	11	12	11	0	0	10	12	12	12	12	9	114
12. OPER BTU (GBTU)	2,192	2,058	2,207	1,726	0	0	1,531	2,280	2,052	2,141	1,786	1,320	19,292
13. NET GEN (MWH)	206,650	194,410	208,290	162,870	0	0	144,640	215,650	193,990	201,840	168,800	124,970	1,822,110
14. ANOHR (Btu/kwh)	10,607	10,584	10,595	10,600	0	0	10,586	10,571	10,577	10,606	10,581	10,565	10,588
15. NOF (%)	81.5	84.8	83.2	82.5	0.0	0.0	84.6	86.7	85.9	81.6	85.3	87.5	84.3
16. NPC (MW)	400	400	400	395	395	395	395	395	395	395	395	400	397
17. ANOHR EQUATION	ANOHR = NOF(-6.885) +	11,168							

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2017 - DECEMBER 2017

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-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	2017
1. EAF (%)	84.7	45.3	81.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7	56.5	84.7	79.1
2. POF	0.0	46.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	6.6
3. EUOF	15.3	8.2	14.9	15.3	15.3	15.3	15.3	15.3	15.3	15.3	10.2	15.3	14.3
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	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	345	175	224	466	604	576	580	596	484	483	267	612	5,412
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	399	497	519	254	140	144	164	148	236	261	454	132	3,348
9. POH	0	312	24	0	0	0	0	0	0	0	240	0	576
10. EFOH	83	40	80	80	83	80	83	83	80	83	54	83	915
11. EMOH	31	15	30	30	31	30	31	31	30	31	20	31	341
12. OPER BTU (GBTU)	1,293	733	796	1,725	2,280	2,162	2,163	2,215	1,877	1,810	989	2,294	20,337
13. NET GEN (MWH)	123,680	70,460	75,960	165,050	218,320	206,930	206,960	211,940	179,970	173,280	94,630	219,440	1,946,620
14. ANOHR (Btu/kwh)	10,452	10,402	10,474	10,452	10,444	10,446	10,449	10,450	10,432	10,447	10,452	10,452	10,447
15. NOF (%)	81.1	91.1	76.7	81.0	82.7	82.2	81.7	81.4	85.1	82.1	81.1	81.1	82.0
16. NPC (MW)	442	442	442	437	437	437	437	437	437	437	437	442	439
17. ANOHR EQUATION	ANOHR = NOF(-4.982) +	10,856							

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EXHIBIT NO. _____ (BSB-2)
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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2017 - DECEMBER 2017

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-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	2017
1. EAF (%)	88.7	88.7	31.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	67.9	88.7	82.1
2. POF	0.0	0.0	64.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.4	0.0	7.4
3. EUOF	11.3	11.3	4.0	11.3	11.3	11.3	11.3	11.3	11.3	11.3	8.7	11.3	10.5
4. EUOR	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	656	592	250	653	656	653	656	674	634	687	504	656	7,271
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	88	80	493	67	88	67	88	70	86	57	217	88	1,489
9. POH	0	0	479	0	0	0	0	0	0	0	169	0	648
10. EFOH	70	63	25	68	70	68	70	70	68	70	52	70	762
11. EMOH	14	13	5	14	14	14	14	14	14	14	11	14	158
12. OPER BTU (GBTU)	1,413	1,275	535	1,401	1,413	1,401	1,413	1,447	1,366	1,471	1,082	1,413	15,631
13. NET GEN (MWH)	140,610	126,910	53,260	139,470	140,610	139,470	140,610	144,000	135,970	146,420	107,740	140,610	1,555,680
14. ANOHR (Btu/kwh)	10,049	10,049	10,044	10,046	10,049	10,046	10,049	10,046	10,050	10,044	10,047	10,049	10,048
15. NOF (%)	97.4	97.4	96.8	97.1	97.4	97.1	97.4	97.1	97.5	96.9	97.2	97.4	97.3
16. NPC (MW)	220	220	220	220	220	220	220	220	220	220	220	220	220
17. ANOHR EQUATION	ANOHR = NOF(9.523) +	9,121								

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2017 - DECEMBER 2017

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-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	2017
1. EAF (%)	92.5	43.0	0.0	61.7	92.5	92.5	92.5	92.5	92.5	92.5	80.2	68.7	75.3
2. POF	0.0	53.6	100.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	13.3	25.8	18.6
3. EUOF	7.5	3.5	0.0	5.0	7.5	7.5	7.5	7.5	7.5	7.5	6.5	5.5	6.1
4. EUOR	7.5	7.5	0.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	230	289	0	374	646	666	689	649	666	689	516	320	5,734
7. RSH	459	0	0	70	43	0	0	40	0	0	62	191	863
8. UH	55	383	743	276	55	54	55	55	54	55	143	233	2,163
9. POH	0	360	743	240	0	0	0	0	0	0	96	192	1,631
10. EFOH	24	10	0	15	24	23	24	24	23	24	20	18	226
11. EMOH	32	13	0	21	32	31	32	32	31	32	27	24	305
12. OPER BTU (GBTU)	798	807	0	898	1,957	2,269	2,142	1,889	1,906	1,764	1,172	636	16,250
13. NET GEN (MWH)	108,720	109,470	0	121,820	266,470	309,620	291,880	257,060	259,280	239,540	158,920	85,990	2,208,770
14. ANOHR (Btu/kwh)	7,342	7,368	0	7,371	7,343	7,327	7,340	7,349	7,351	7,364	7,376	7,398	7,357
15. NOF (%)	59.7	47.8	0.0	46.5	58.8	66.3	60.4	56.5	55.5	49.6	43.9	33.9	52.7
16. NPC (MW)	792	792	792	701	701	701	701	701	701	701	701	792	731
17. ANOHR EQUATION	ANOHR = NOF(-2.196) +	7,473							

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2017 - DECEMBER 2017

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-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	2017
1. EAF (%)	94.5	94.5	94.5	47.2	94.5	94.5	94.5	94.5	78.7	0.0	31.4	94.5	76.1
2. POF	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	16.7	100.0	66.7	0.0	19.5
3. EUOF	5.5	5.5	5.5	2.8	5.5	5.5	5.5	5.5	4.6	0.0	1.8	5.5	4.4
4. EUOR	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	0.0	5.5	5.5	5.5
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	703	635	702	340	703	680	703	703	567	0	227	703	6,666
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	41	37	41	380	41	40	41	41	153	744	494	41	2,095
9. POH	0	0	0	360	0	0	0	0	120	744	481	0	1,705
10. EFOH	14	13	14	7	14	14	14	14	11	0	5	14	135
11. EMOH	27	24	27	13	27	26	27	27	22	0	9	27	255
12. OPER BTU (GBTU)	1,277	996	1,532	697	2,026	2,258	1,997	1,988	1,333	0	444	1,260	15,834
13. NET GEN (MWH)	168,480	131,140	202,770	92,380	270,870	303,320	266,890	265,670	177,300	0	58,790	166,180	2,103,790
14. ANOHR (Btu/kwh)	7,579	7,596	7,553	7,544	7,479	7,443	7,482	7,483	7,521	0	7,552	7,580	7,526
15. NOF (%)	22.9	19.7	27.6	29.2	41.5	48.0	40.9	40.7	33.7	0.0	27.9	22.6	32.6
16. NPC (MW)	1,047	1,047	1,047	929	929	929	929	929	929	929	929	1,047	968
17. ANOHR EQUATION	ANOHR = NOF(-5.392) +		7,702						

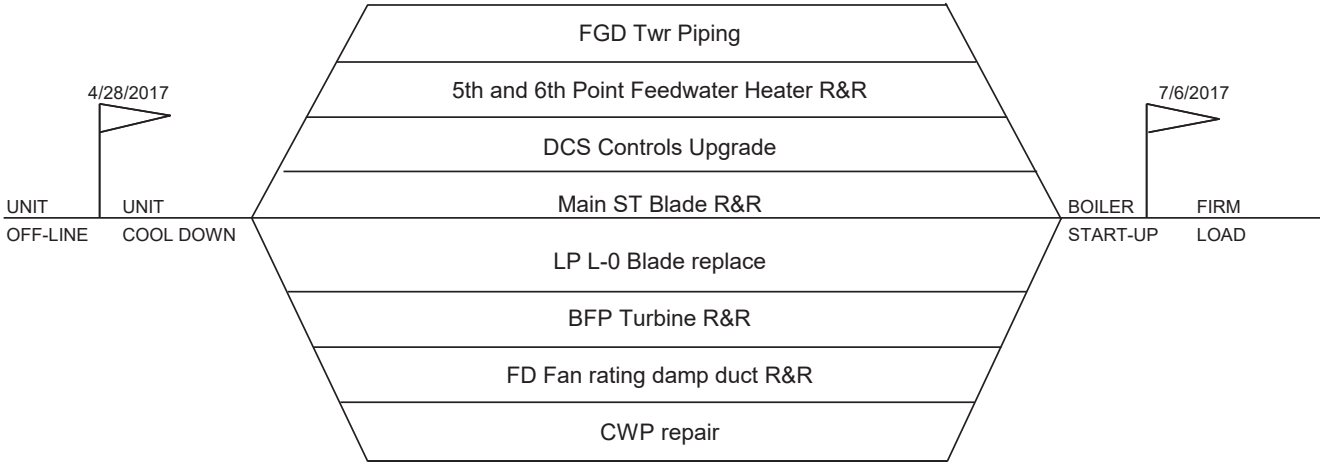
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**TAMPA ELECTRIC COMPANY
ESTIMATED PLANNED OUTAGE SCHEDULE
GPIF UNITS
JANUARY 2017 - DECEMBER 2017**

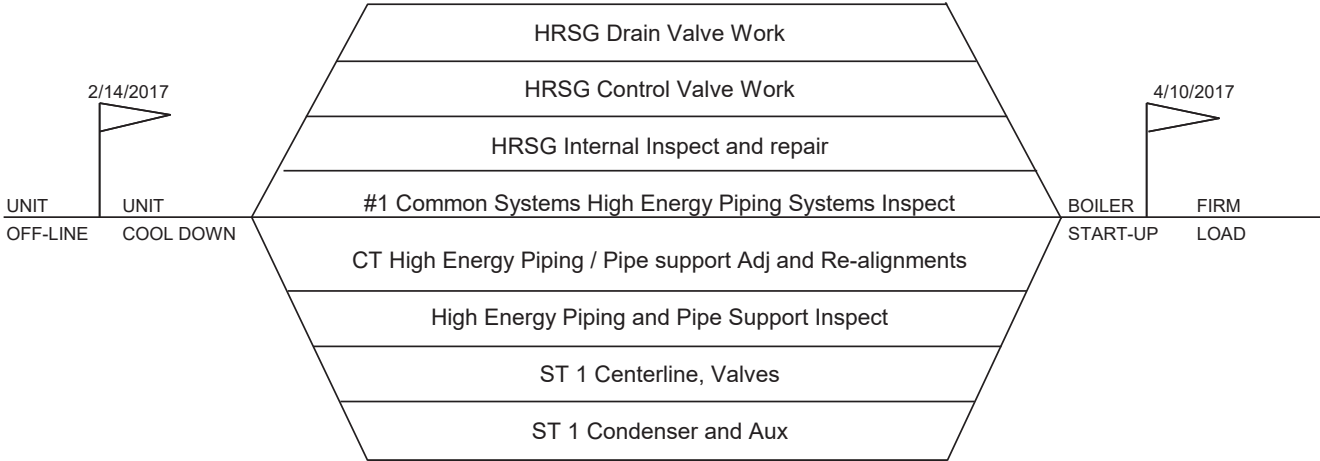
PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DESCRIPTION
BIG BEND 1	Jan 28 - Feb 10	Fuel System Cleanup and FGD/SCR work
	Dec 12 - Dec 21	Fuel System Cleanup and FGD/SCR work
BIG BEND 2	Jan 29 - Feb 11	Fuel System Cleanup and FGD/SCR work
	Dec 13 - Dec 22	Fuel System Cleanup and FGD/SCR work
+ BIG BEND 3	Apr 28 - Jul 06	Main ST Blade R&R, LP L-0 Blade replace, BFP Turbine R&R, DCS Controls Upgrade, 5th and 6th Point Feedwater Heater R&R, FD Fan rating damp duct R&R, CWP repair, FGD Twr Piping
	Nov 30 - Dec 09	Fuel System Cleanup and FGD/SCR work
BIG BEND 4	Feb 16 - Mar 01	Fuel System Cleanup and FGD/SCR work
	Nov 10 - Nov 19	Fuel System Cleanup and FGD/SCR work
POLK 1	Mar 03 - Mar 22	Gasifier Outage
	Nov 03 - Nov 09	Gasifier Outage
+ BAYSIDE 1	Feb 14 - Apr 10	ST 1 Centerline, Valves, Condenser and Aux, HRSG Internal Inspect and repair, HRSG Control Valve Work, HRSG Drain Valve Work, High Energy Piping and Pipe Support Inspect, #1 Common Systems High Energy Piping Systems Inspect, CT High Energy Piping / Pipe support Adj and Re-alignments
	Nov 27 - Dec 08	Fuel System Cleanup
+ BAYSIDE 2	Apr 15 - Apr 29	Fuel System Cleanup
	Sep 26 - Nov 20	ST 2 Centerline, Valves, Condenser and Aux, HRSG Internal Inspect and repair, HRSG Control Valve Work, HRSG Drain Valve Work, High Energy Piping and Pipe Support Inspect, #2 Common Systems High Energy Piping Systems Inspect, CT High Energy Piping / Pipe support Adj and Re-alignments

+ These units have CPM included. 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 2017 - DECEMBER 2017

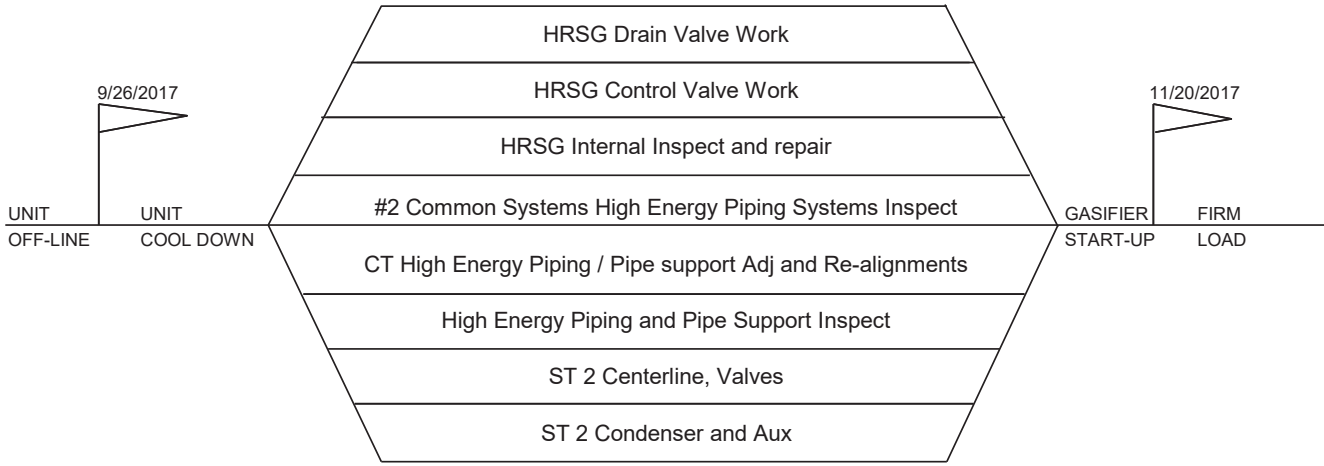


TAMPA ELECTRIC COMPANY
 BIG BEND 3
 PLANNED OUTAGE 2017
 PROJECTED CPM



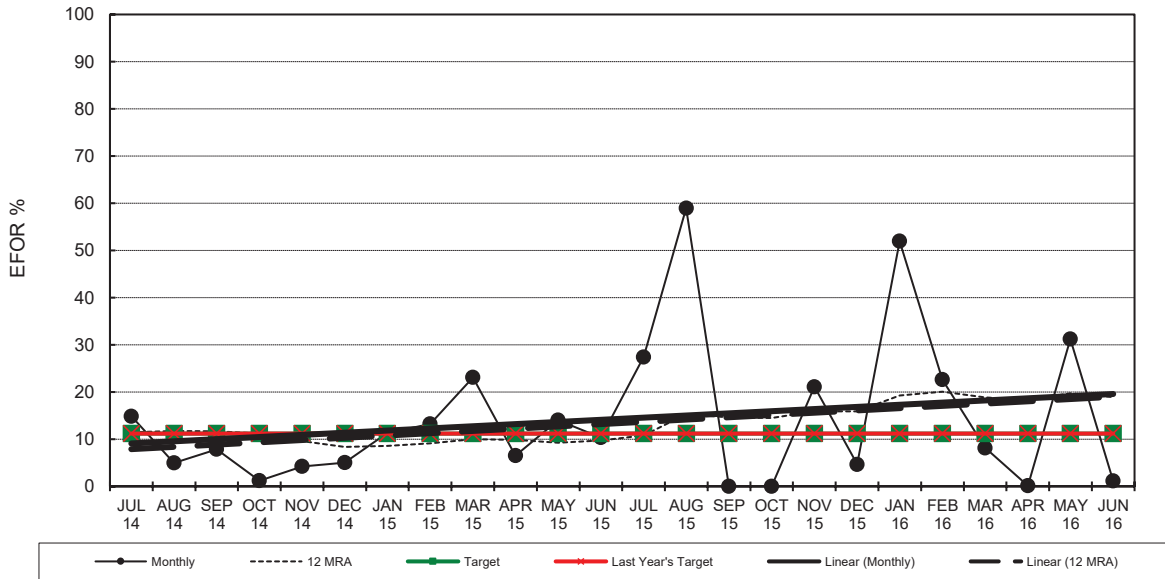
TAMPA ELECTRIC COMPANY
 BAYSIDE 1
 PLANNED OUTAGE 2017
 PROJECTED CPM

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2017 - DECEMBER 2017

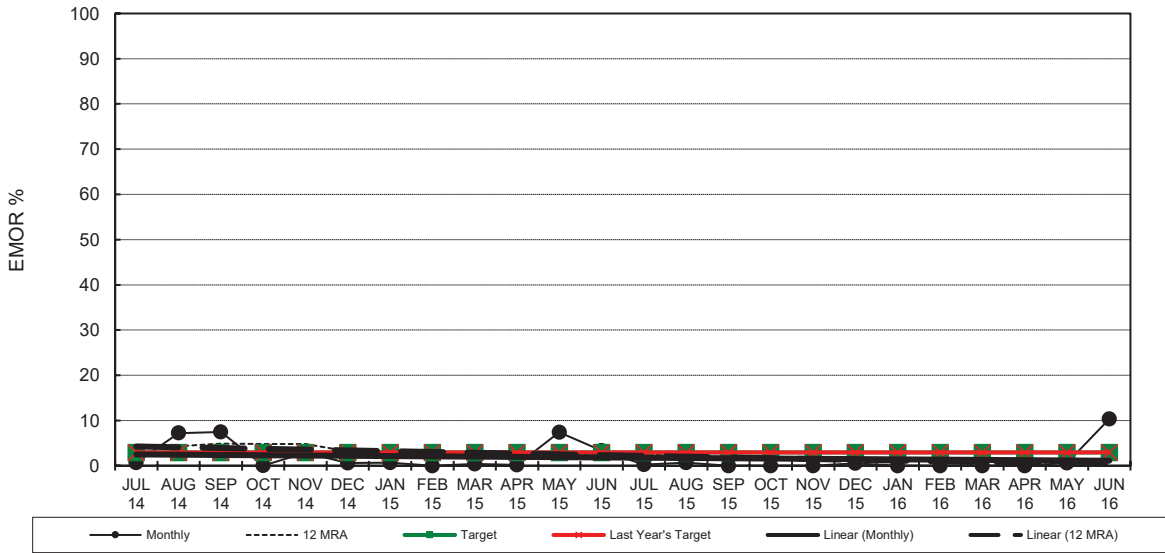


TAMPA ELECTRIC COMPANY
BAYSIDE 2
PLANNED OUTAGE 2017
PROJECTED CPM

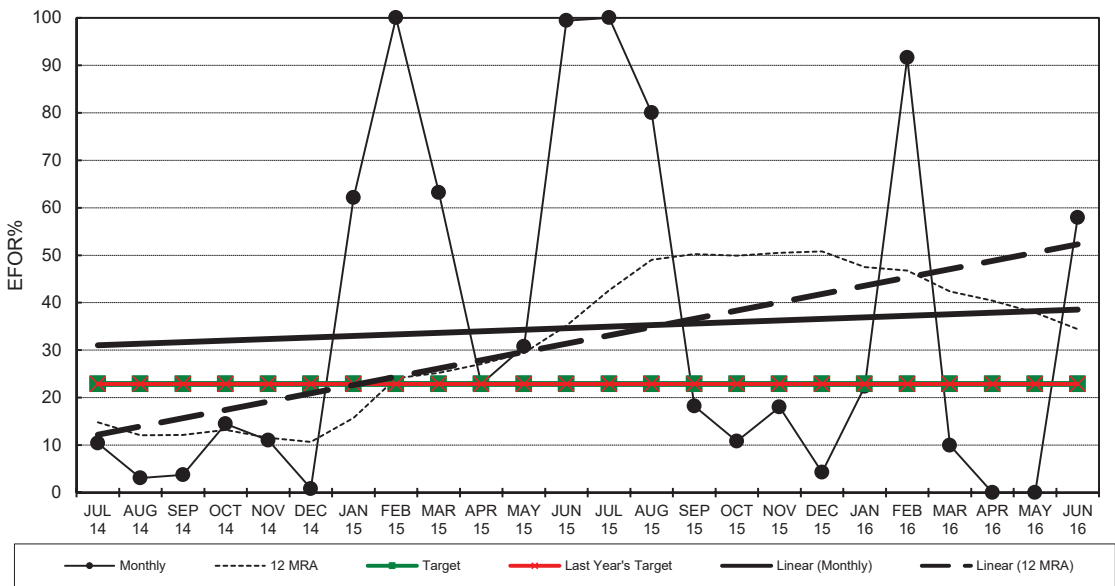
Big Bend Unit 1
 EFOR



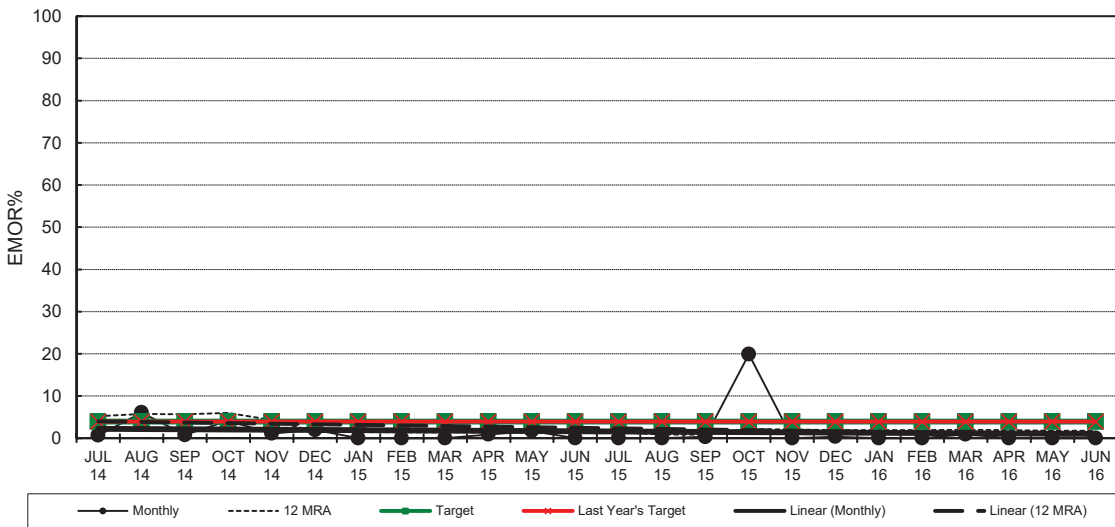
Big Bend Unit 1
 EMOR



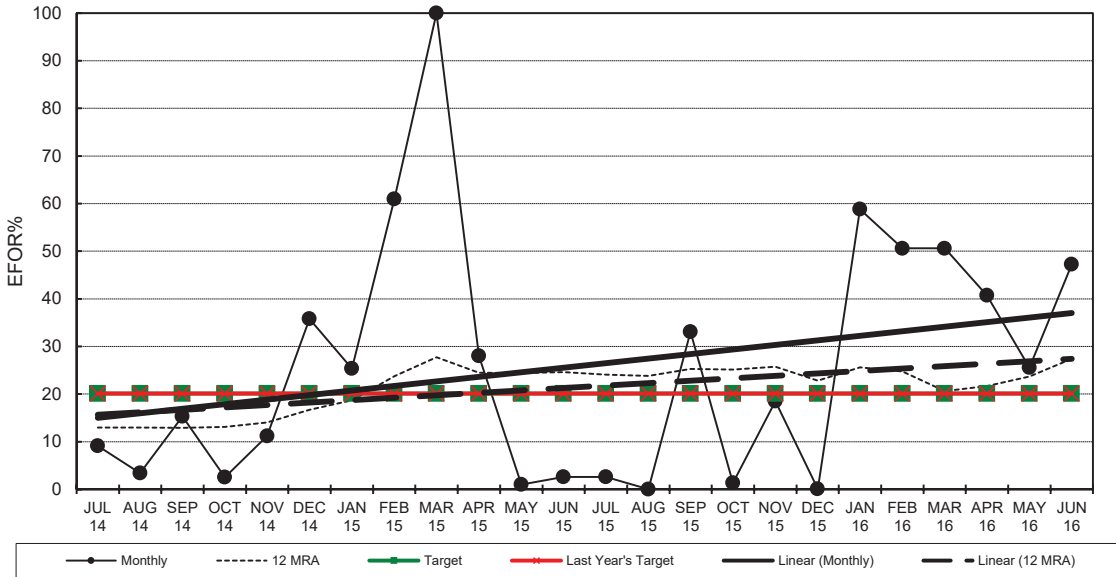
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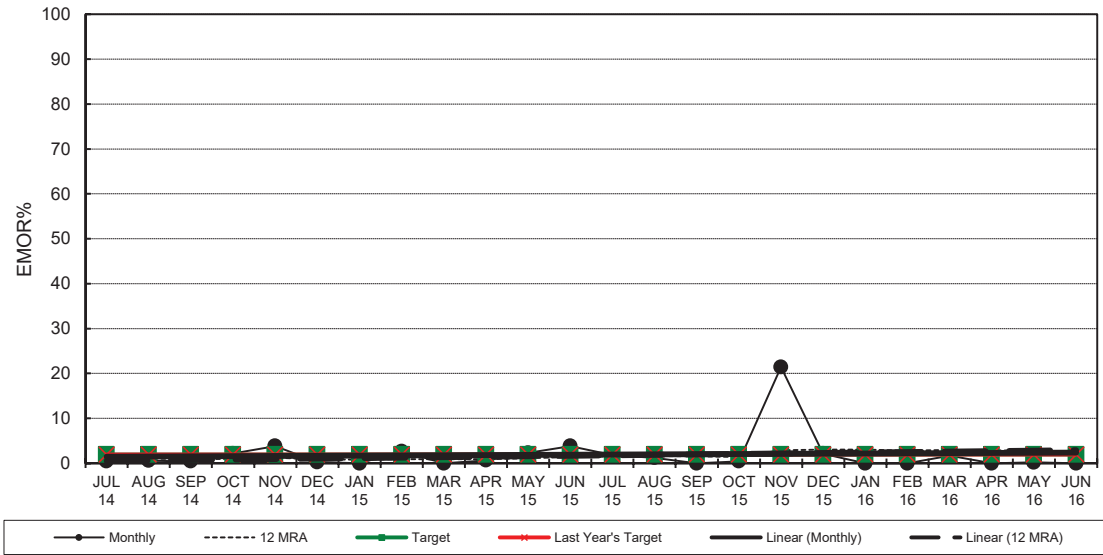
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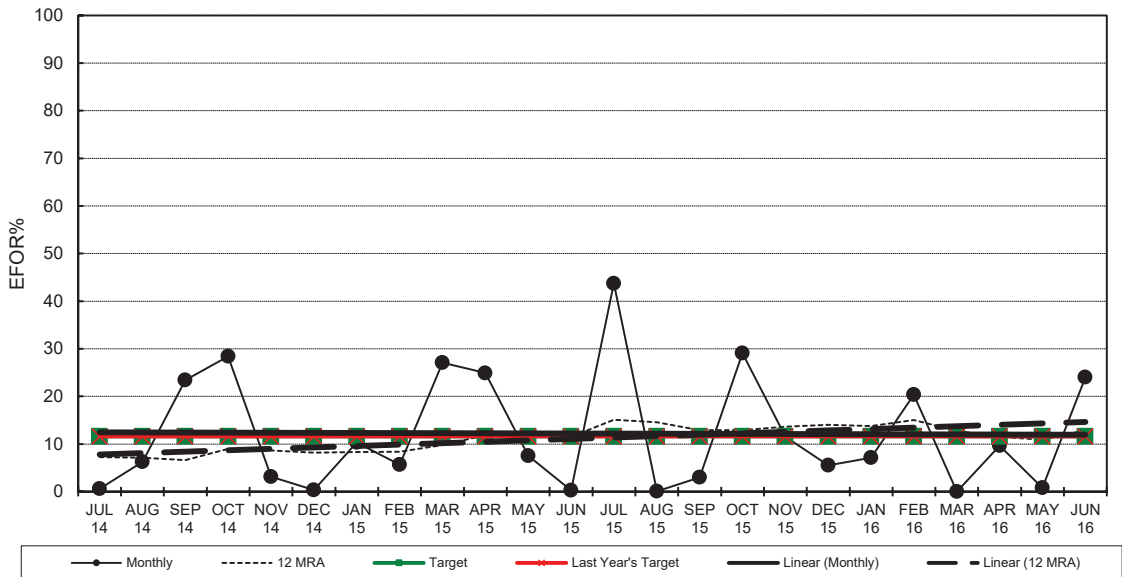
Big Bend Unit 3
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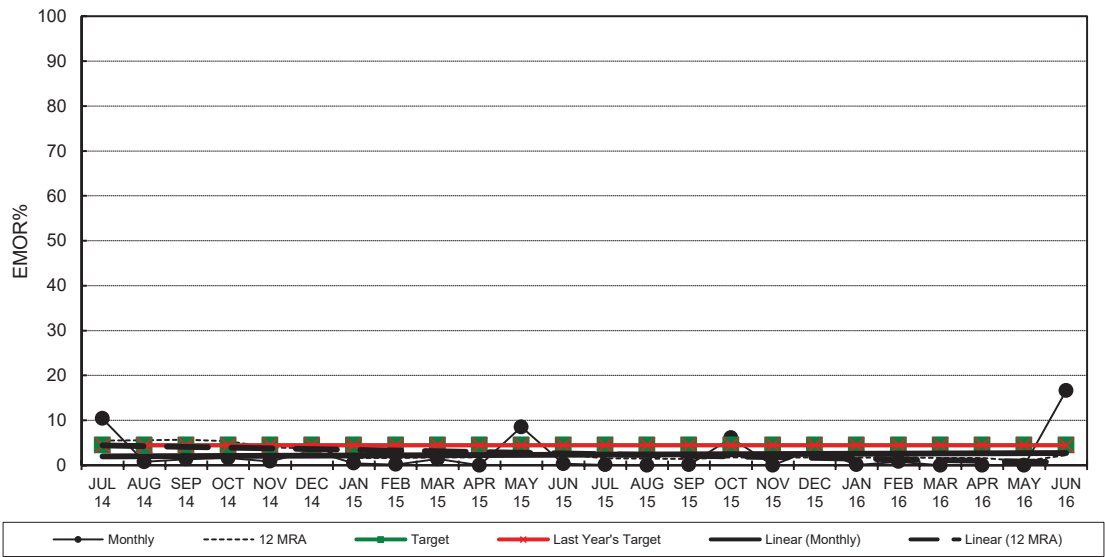
Big Bend Unit 3
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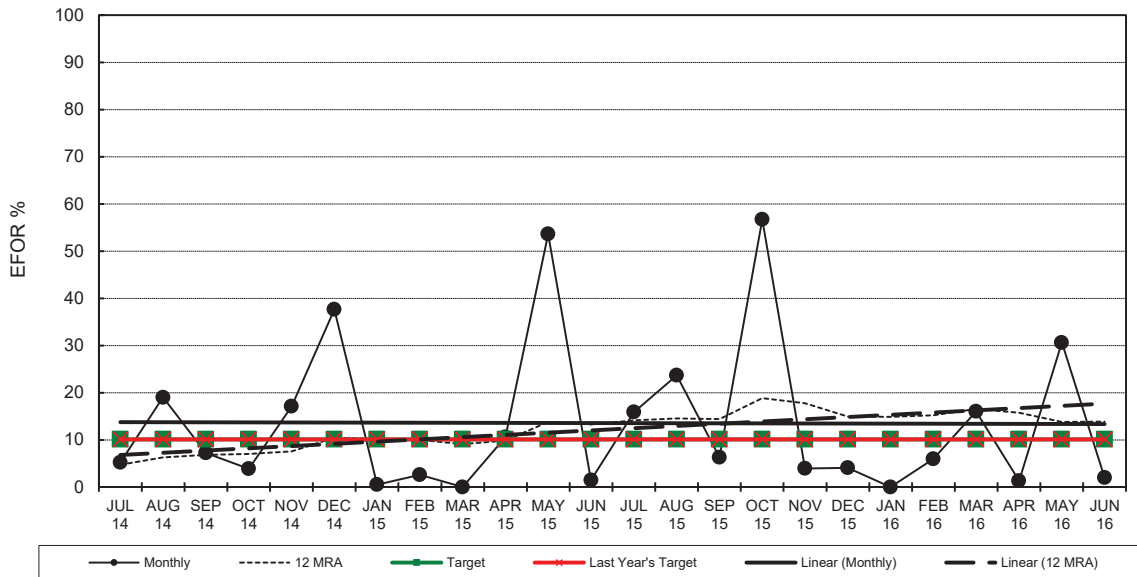
Big Bend Unit 4
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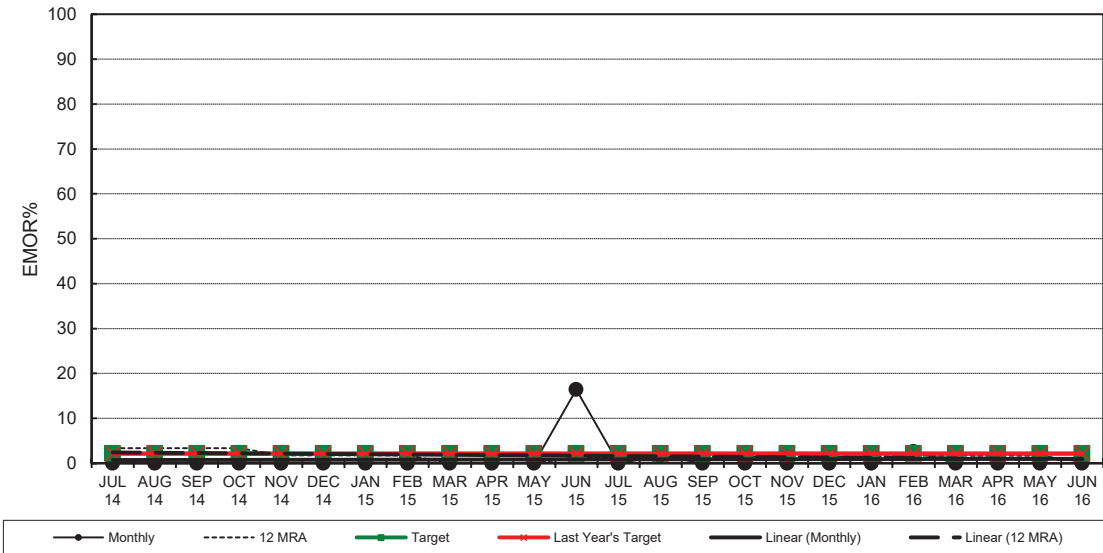
Big Bend Unit 4
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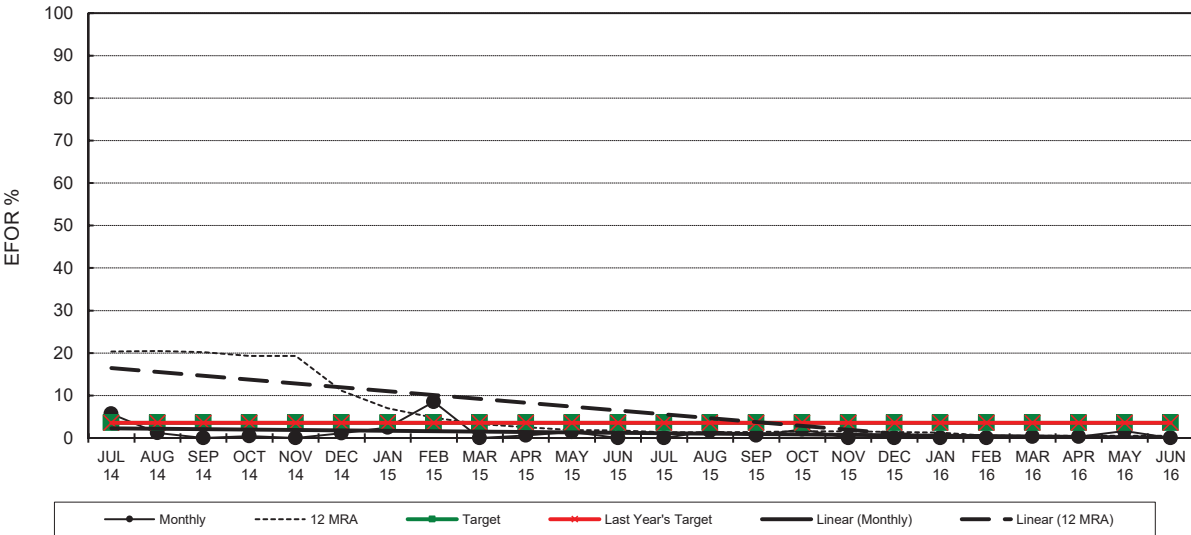
Polk Unit 1
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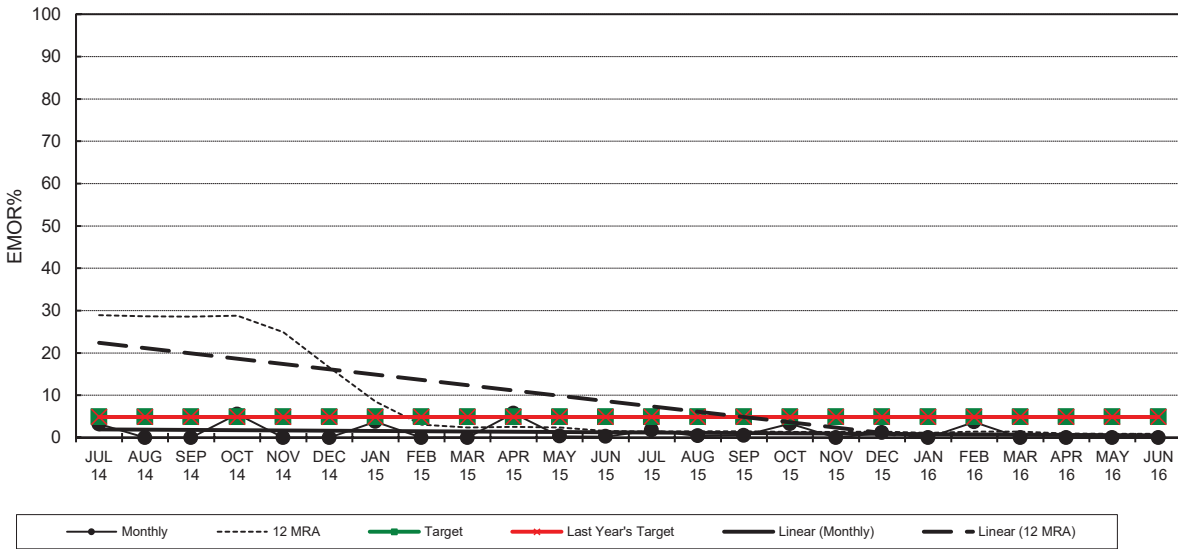
Polk Unit 1
 EMOR



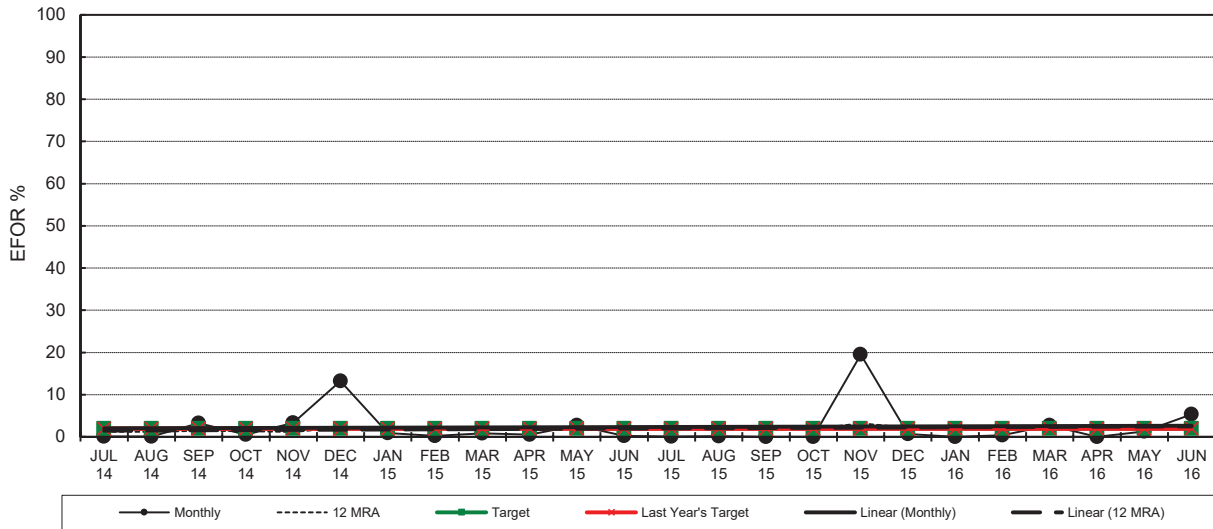
Bayside Unit 1
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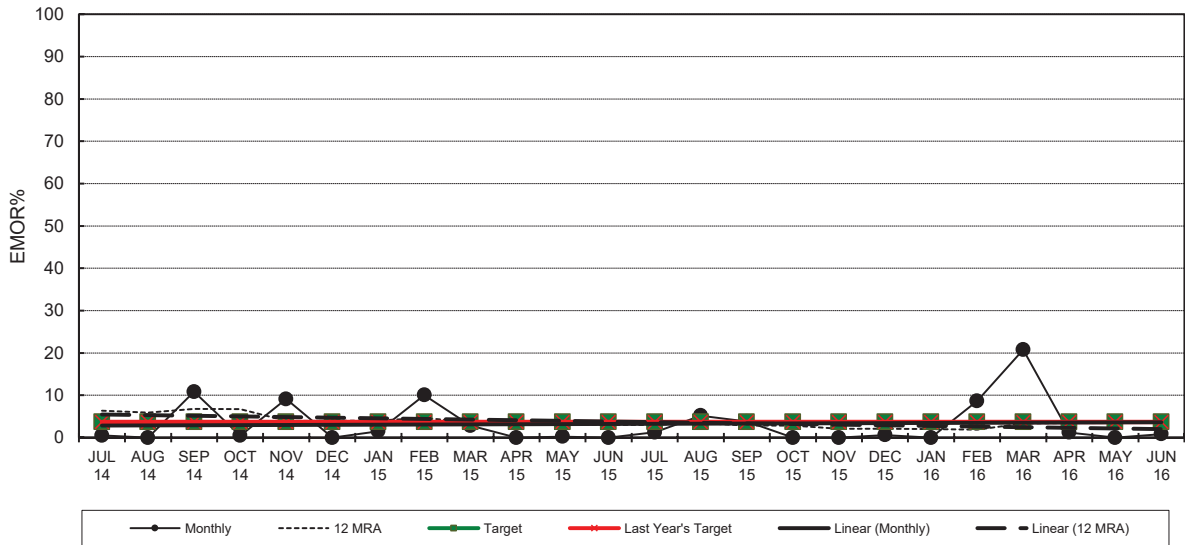
Bayside Unit 1
EMOR

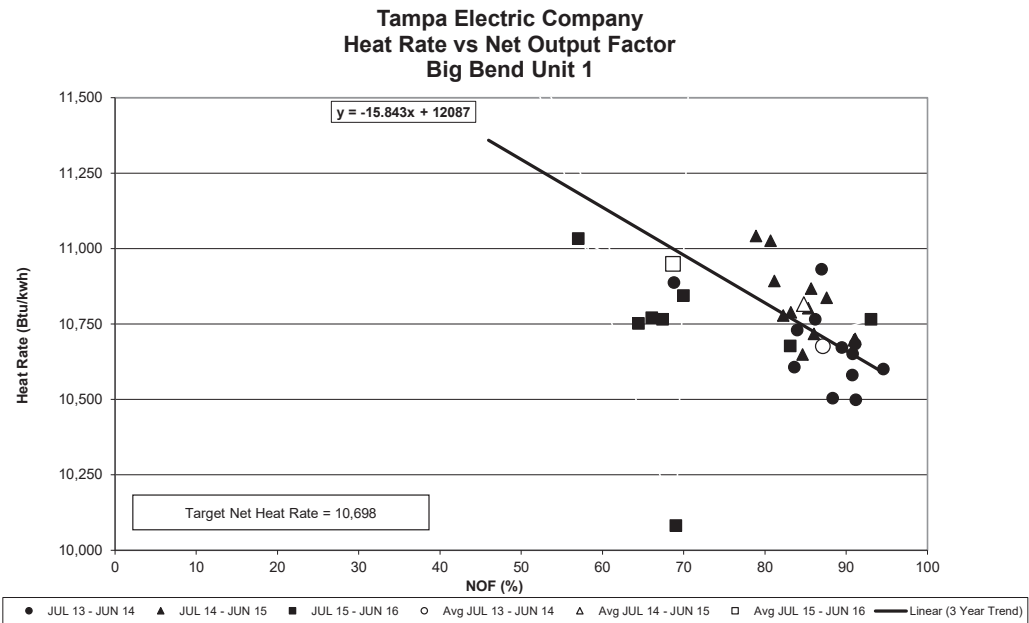


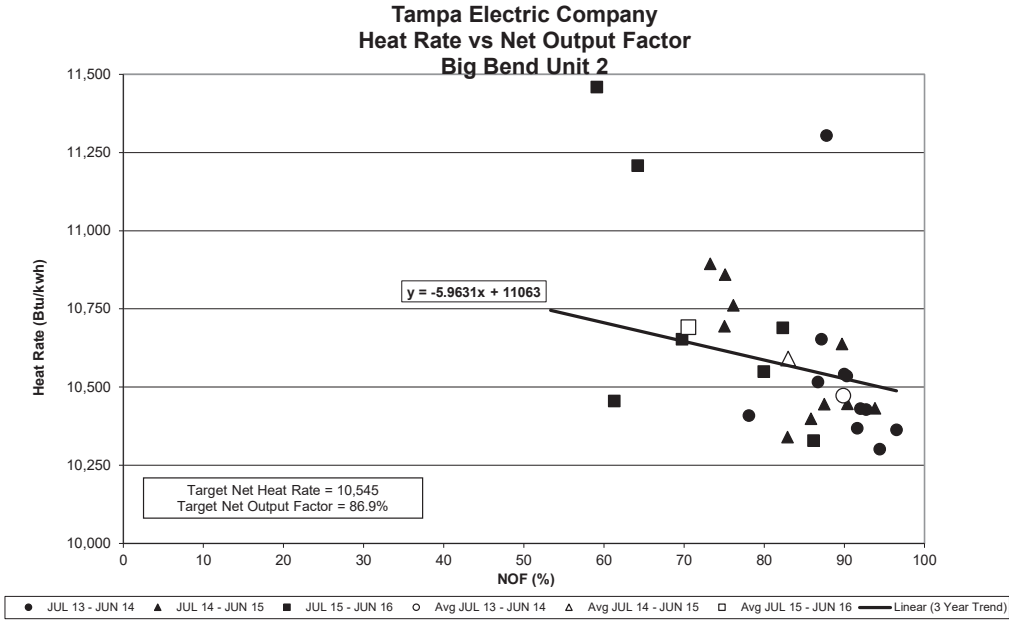
Bayside Unit 2
EFOR



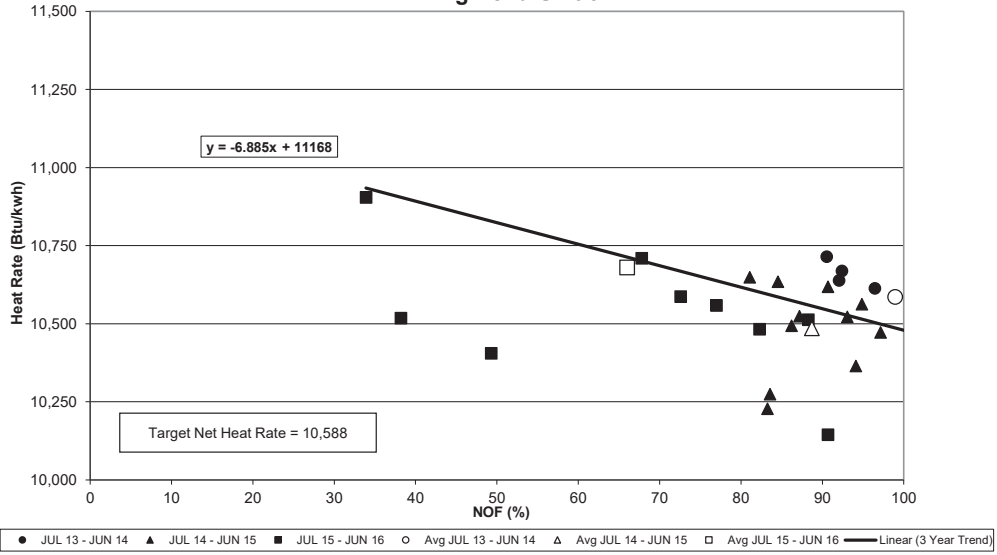
Bayside Unit 2
EMOR



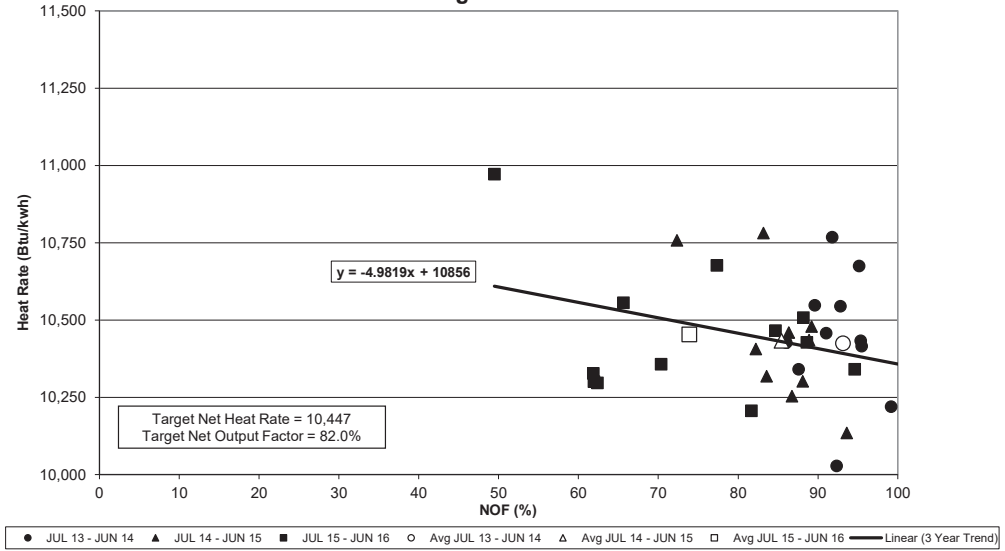




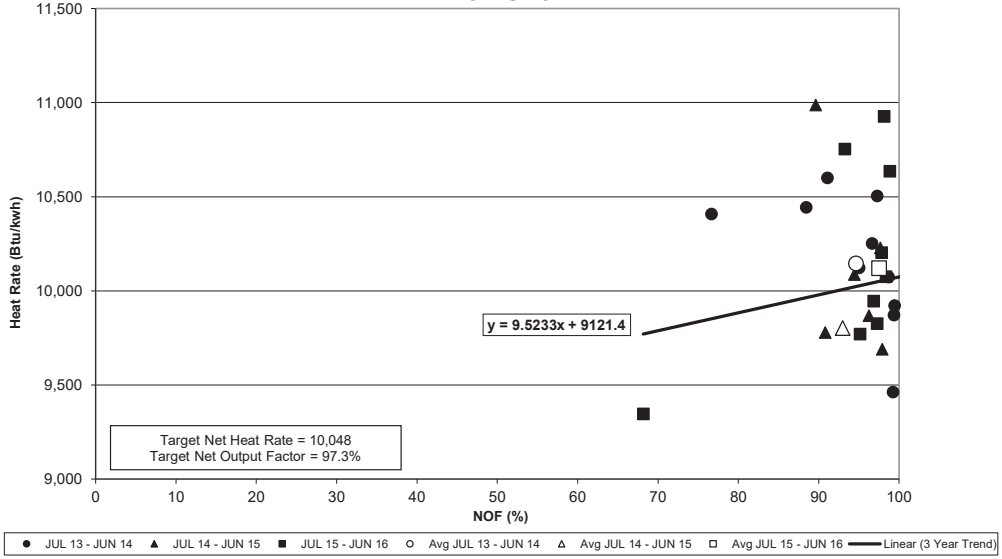
Tampa Electric Company
Heat Rate vs Net Output Factor
Big Bend Unit 3



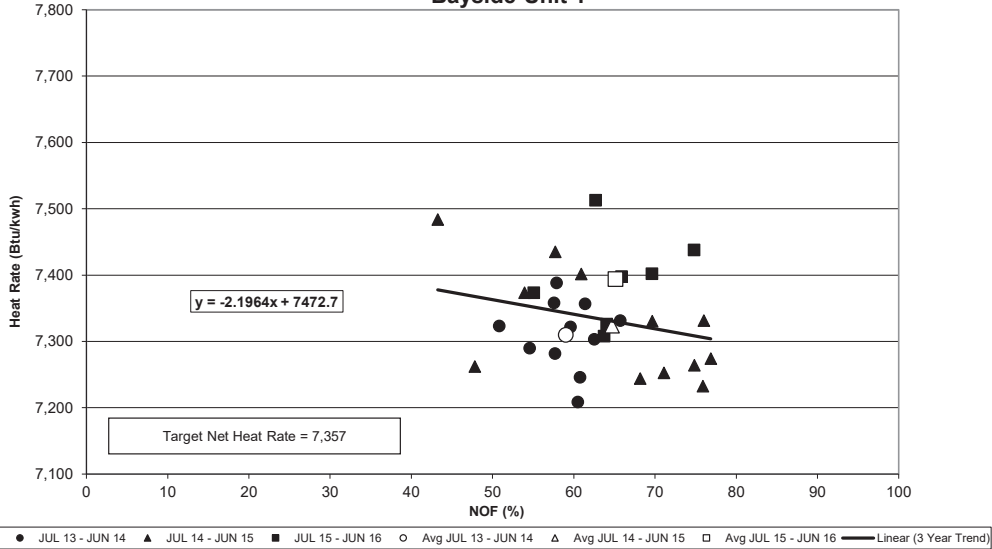
Tampa Electric Company
Heat Rate vs Net Output Factor
Big Bend Unit 4

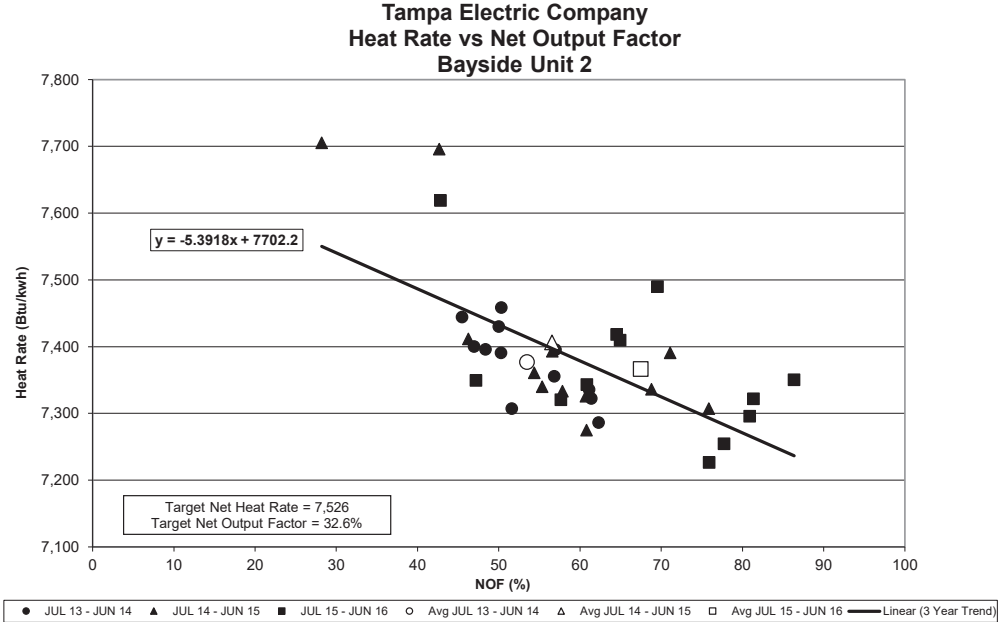


**Tampa Electric Company
 Heat Rate vs Net Output Factor
 Polk Unit 1**



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





**TAMPA ELECTRIC COMPANY
GENERATING UNITS IN GPIF
TABLE 4.2
JANUARY 2017 - DECEMBER 2017**

<u>PLANT / UNIT</u>	<u>ANNUAL GROSS MDC (MW)</u>	<u>ANNUAL NET NDC (MW)</u>
BIG BEND 1	413	388
BIG BEND 2	413	388
BIG BEND 3	422	397
BIG BEND 4	472	439
POLK 1	290	220
BAYSIDE 1	740	731
BAYSIDE 2	979	968
GPIF TOTAL	<u>3,730</u>	<u>3,532</u>
SYSTEM TOTAL	5,157	4,978
% OF SYSTEM TOTAL	72.3%	70.9%

**TAMPA ELECTRIC COMPANY
UNIT RATINGS
JANUARY 2017 - DECEMBER 2017**

<u>PLANT / UNIT</u>	<u>ANNUAL GROSS MDC (MW)</u>	<u>ANNUAL NET NDC (MW)</u>
BAYSIDE 1	740	731
BAYSIDE 2	979	968
BAYSIDE 3	59	58
BAYSIDE 4	59	58
BAYSIDE 5	59	58
BAYSIDE 6	59	58
BAYSIDE TOTAL	<u>1,954</u>	<u>1,930</u>
BIG BEND 1	413	388
BIG BEND 2	413	388
BIG BEND 3	422	397
BIG BEND 4	472	439
BIG BEND CT4	59	58
BIG BEND TOTAL	<u>1,779</u>	<u>1,670</u>
POLK 1	290	220
POLK 2	1,113	1,137
POLK TOTAL	<u>1,403</u>	<u>1,357</u>
SOLAR	21	21
SOLAR TOTAL	<u>21</u>	<u>21</u>
SYSTEM TOTAL	<u>5,157</u>	<u>4,978</u>

**TAMPA ELECTRIC COMPANY
PERCENT GENERATION BY UNIT
JANUARY 2017 - DECEMBER 2017**

<u>PLANT</u>	<u>UNIT</u>	<u>NET OUTPUT MWH</u>	<u>PERCENT OF PROJECTED OUTPUT</u>	<u>PERCENT CUMULATIVE PROJECTED OUTPUT</u>
POLK	2 (new CC without history)	5,957,150	30.30%	30.30%
BAYSIDE	1	2,208,770	11.23%	41.53%
BAYSIDE	2	2,103,790	10.70%	52.24%
BIG BEND	2	2,078,760	10.57%	62.81%
BIG BEND	4	1,946,620	9.90%	72.71%
BIG BEND	1	1,917,590	9.75%	82.46%
BIG BEND	3	1,822,110	9.27%	91.73%
POLK	1	1,555,680	7.91%	99.64%
SOLAR		36,390	0.19%	99.83%
BIG BEND CT	4	11,630	0.06%	99.89%
BAYSIDE	5	7,600	0.04%	99.93%
BAYSIDE	6	5,930	0.03%	99.96%
BAYSIDE	3	4,720	0.02%	99.98%
BAYSIDE	4	3,630	0.02%	100.00%
TOTAL GENERATION		19,660,370	100.00%	

GENERATION BY COAL UNITS: <u>9,320,760</u> MWH	GENERATION BY NATURAL GAS UNITS: <u>10,303,220</u> MWH
% GENERATION BY COAL UNITS: <u>47.41%</u>	% GENERATION BY NATURAL GAS UNITS: <u>52.41%</u>
GENERATION BY SOLAR UNITS: <u>36,390</u> MWH	GENERATION BY GPIF UNITS: <u>13,633,320</u> MWH
% GENERATION BY SOLAR UNIT: <u>0.19%</u>	% GENERATION BY GPIF UNITS: <u>69.34%</u>

EXHIBIT NO. ____ (BSB-2)
TAMPA ELECTRIC COMPANY
DOCKET NO. 20180001-EI
GPIF 2017 FINAL TRUE-UP
DOCUMENT NO. 8

EXHIBIT TO THE TESTIMONY OF
BRIAN S. BUCKLEY

DOCKET NO. 20180001-EI

TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2018 - DECEMBER 2018
TARGETS

DOCUMENT NO. 8

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
JANUARY 2018 - DECEMBER 2018
TARGETS
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**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
REWARD / PENALTY TABLE
JANUARY 2018 - DECEMBER 2018**

GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)	FUEL SAVINGS / (LOSS) (\$000)	GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)
+10	29,174.8	8,422.3
+9	26,257.3	7,580.1
+8	23,339.8	6,737.9
+7	20,422.4	5,895.6
+6	17,504.9	5,053.4
+5	14,587.4	4,211.2
+4	11,669.9	3,368.9
+3	8,752.4	2,526.7
+2	5,835.0	1,684.5
+1	2,917.5	842.2
0	0.0	0.0
-1	(3,217.7)	(842.2)
-2	(6,435.4)	(1,684.5)
-3	(9,653.1)	(2,526.7)
-4	(12,870.8)	(3,368.9)
-5	(16,088.5)	(4,211.2)
-6	(19,306.2)	(5,053.4)
-7	(22,523.9)	(5,895.6)
-8	(25,741.6)	(6,737.9)
-9	(28,959.3)	(7,580.1)
-10	(32,177.0)	(8,422.3)

**TAMPA ELECTRIC COMPANY
GENERATING PERFORMANCE INCENTIVE FACTOR
CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS
JANUARY 2018 - DECEMBER 2018**

Line 1	Beginning of period balance of common equity:		\$	2,478,918,000	
	End of month common equity:				
Line 2	Month of January	2018	\$	2,416,168,000	
Line 3	Month of February	2018	\$	2,436,806,102	
Line 4	Month of March	2018	\$	2,457,620,487	
Line 5	Month of April	2018	\$	2,499,910,175	
Line 6	Month of May	2018	\$	2,521,263,574	
Line 7	Month of June	2018	\$	2,542,799,367	
Line 8	Month of July	2018	\$	2,479,340,232	
Line 9	Month of August	2018	\$	2,500,517,930	
Line 10	Month of September	2018	\$	2,521,876,520	
Line 11	Month of October	2018	\$	2,564,340,396	
Line 12	Month of November	2018	\$	2,586,244,137	
Line 13	Month of December	2018	\$	2,608,334,972	
Line 14	(Summation of line 1 through line 13 divided by 13)		\$	2,508,779,992	
Line 15	25 Basis points			0.0025	
Line 16	Revenue Expansion Factor			74.47%	
Line 17	Maximum Allowed Incentive Dollars (line 14 times line 15 divided by line 16)		\$	8,422,336	
Line 18	Jurisdictional Sales			19,544,119	MWH
Line 19	Total Sales			19,544,119	MWH
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)			100.00%	
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 times line 20)		\$	8,422,336	
Line 22	Incentive Cap (50% of projected fuel savings at 10 GPIF-point level from Sheet No. 3.515)		\$	14,587,395	
Line 23	Maximum Allowed GPIF Reward (at 10 GPIF-point level) (the lesser of line 21 and line 22)		\$	8,422,336	

Note: Line 22 and 23 are as approved by Commission order PSC-13-0665-FOF-EI dated 12/18/13 effective 1/1/14.

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2018 - DECEMBER 2018

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 2	2.11%	61.5	68.2	48.1	615.6	(1,077.7)
BIG BEND 3	3.70%	66.7	72.4	55.4	1,079.4	(3,189.4)
BIG BEND 4	5.05%	78.7	82.0	72.1	1,473.1	(1,845.8)
POLK 1	0.73%	74.4	77.0	69.4	211.9	(380.9)
POLK 2	4.83%	83.2	85.7	78.2	1,408.9	(1,372.7)
BAYSIDE 1	2.64%	82.5	83.8	80.0	770.2	(385.1)
BAYSIDE 2	5.16%	77.3	79.1	73.9	1,505.7	(1,815.5)
GPIF SYSTEM	24.22%					

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 2	2.67%	11,320	60.3	10,843	11,798	778.3	(778.3)
BIG BEND 3	4.96%	10,619	80.8	10,252	10,987	1,448.4	(1,448.4)
BIG BEND 4	7.36%	10,448	86.4	10,066	10,830	2,146.5	(2,146.5)
POLK 1	3.52%	9,978	99.1	9,644	10,312	1,028.0	(1,028.0)
POLK 2	45.39%	7,382	76.4	6,827	7,936	13,242.8	(13,242.8)
BAYSIDE 1	4.66%	7,489	62.8	7,360	7,619	1,359.6	(1,359.6)
BAYSIDE 2	7.22%	7,676	52.3	7,447	7,905	2,106.5	(2,106.5)
GPIF SYSTEM	75.78%						

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

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET PERIOD JAN 18 - DEC 18			ACTUAL PERFORMANCE JAN 16 - DEC 16			ACTUAL PERFORMANCE JAN 15 - DEC 15			ACTUAL PERFORMANCE JAN 14 - DEC 14		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
BIG BEND 2	2.11%	8.7%	6.6	31.9	34.2	22.5	22.5	29.5	7.5	46.8	50.5	8.4	10.6	11.6
BIG BEND 3	3.70%	15.3%	6.6	26.7	28.6	12.6	33.6	39.7	3.7	24.1	25.0	5.1	15.8	16.7
BIG BEND 4	5.05%	20.9%	6.6	14.7	15.8	6.7	18.8	21.9	3.8	15.1	15.7	20.7	11.2	14.2
POLK 1	0.73%	3.0%	17.3	8.3	10.0	13.3	7.5	11.4	13.5	16.0	19.0	5.0	8.7	10.6
POLK 2	4.83%	19.9%	5.8	11.0	11.7	9.7	9.4	29.1	3.6	3.5	19.2	11.2	0.9	25.1
BAYSIDE 1	2.64%	10.9%	14.8	2.7	3.1	20.0	1.3	1.8	11.8	2.3	2.7	6.2	11.5	14.1
BAYSIDE 2	5.16%	21.3%	18.6	4.0	5.0	7.1	2.9	5.0	7.2	3.7	4.1	5.0	5.4	5.7
GPIF SYSTEM	24.22%	100.0%	10.2	13.5	14.7	11.3	13.9	20.6	6.0	13.1	17.1	10.0	8.5	14.6
GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)			76.3			74.8			80.9			81.5		
			3 PERIOD AVERAGE			3 PERIOD AVERAGE								
			POF	EUOF	EUOR	EAF								
			9.1	11.8	17.4	79.1								

AVERAGE NET OPERATING HEAT RATE (Btu/kWh)

PLANT / UNIT	WEIGHTING FACTOR (%)	NORMALIZED WEIGHTING FACTOR	TARGET	ADJUSTED	ADJUSTED	ADJUSTED
			HEAT RATE JAN 18 - DEC 18	ACTUAL PERFORMANCE HEAT RATE JAN 16 - DEC 16	ACTUAL PERFORMANCE HEAT RATE JAN 15 - DEC 15	ACTUAL PERFORMANCE HEAT RATE JAN 14 - DEC 14
BIG BEND 2	2.67%	3.5%	11,320	10,952	10,765	10,810
BIG BEND 3	4.96%	6.6%	10,619	10,395	10,419	10,604
BIG BEND 4	7.36%	9.7%	10,448	10,329	10,331	10,293
POLK 1	3.52%	4.6%	9,978	9,944	10,351	10,207
POLK 2	45.39%	59.9%	7,382	8,604	11,576	12,297
BAYSIDE 1	4.66%	6.1%	7,489	7,521	7,443	7,347
BAYSIDE 2	7.22%	9.5%	7,676	7,723	7,610	7,488
GPIF SYSTEM	75.78%	100.0%				
GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kWh)			8,185	8,883	10,662	11,079

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**TAMPA ELECTRIC COMPANY
DERIVATION OF WEIGHTING FACTORS
JANUARY 2018 - DECEMBER 2018
PRODUCTION COSTING SIMULATION
FUEL COST (\$000)**

UNIT PERFORMANCE INDICATOR	AT TARGET (1)	AT MAXIMUM IMPROVEMENT (2)	SAVINGS (3)	WEIGHTING FACTOR (% OF SAVINGS)
EQUIVALENT AVAILABILITY				
EA ₁ BIG BEND 2	615,817.19	615,201.55	615.64	2.11%
EA ₂ BIG BEND 3	615,817.19	614,737.82	1,079.37	3.70%
EA ₃ BIG BEND 4	615,817.19	614,344.07	1,473.12	5.05%
EA ₄ POLK 1	615,817.19	615,605.25	211.94	0.73%
EA ₅ POLK 2	615,817.19	614,408.34	1,408.85	4.83%
EA ₆ BAYSIDE 1	615,817.19	615,046.99	770.20	2.64%
EA ₇ BAYSIDE 2	615,817.19	614,311.49	1,505.70	5.16%
AVERAGE HEAT RATE				
AHR ₁ BIG BEND 2	615,817.19	615,038.88	778.31	2.67%
AHR ₂ BIG BEND 3	615,817.19	614,368.81	1,448.38	4.96%
AHR ₃ BIG BEND 4	615,817.19	613,670.72	2,146.47	7.36%
AHR ₄ POLK 1	615,817.19	614,789.23	1,027.96	3.52%
AHR ₅ POLK 2	615,817.19	602,574.43	13,242.76	45.39%
AHR ₆ BAYSIDE 1	615,817.19	614,457.56	1,359.63	4.66%
AHR ₇ BAYSIDE 2	615,817.19	613,710.73	2,106.46	7.22%
TOTAL SAVINGS			29,174.79	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 2018 - DECEMBER 2018

BIG BEND 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	615.6	68.2	+10	778.3	10,843
+9	554.1	67.6	+9	700.5	10,883
+8	492.5	66.9	+8	622.6	10,923
+7	430.9	66.2	+7	544.8	10,963
+6	369.4	65.5	+6	467.0	11,004
+5	307.8	64.9	+5	389.2	11,044
+4	246.3	64.2	+4	311.3	11,084
+3	184.7	63.5	+3	233.5	11,124
+2	123.1	62.9	+2	155.7	11,165
+1	61.6	62.2	+1	77.8	11,205
					11,245
0	0.0	61.5	0	0.0	11,320
					11,395
-1	(107.8)	60.2	-1	(77.8)	11,436
-2	(215.5)	58.8	-2	(155.7)	11,476
-3	(323.3)	57.5	-3	(233.5)	11,516
-4	(431.1)	56.1	-4	(311.3)	11,556
-5	(538.9)	54.8	-5	(389.2)	11,597
-6	(646.6)	53.5	-6	(467.0)	11,637
-7	(754.4)	52.1	-7	(544.8)	11,677
-8	(862.2)	50.8	-8	(622.6)	11,717
-9	(970.0)	49.4	-9	(700.5)	11,758
-10	(1,077.7)	48.1	-10	(778.3)	11,798
	Weighting Factor =	2.11%		Weighting Factor =	2.67%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2018 - DECEMBER 2018

BIG BEND 3

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,079.4	72.4	+10	1,448.4	10,252
+9	971.4	71.8	+9	1,303.5	10,281
+8	863.5	71.3	+8	1,158.7	10,310
+7	755.6	70.7	+7	1,013.9	10,339
+6	647.6	70.1	+6	869.0	10,369
+5	539.7	69.6	+5	724.2	10,398
+4	431.7	69.0	+4	579.4	10,427
+3	323.8	68.4	+3	434.5	10,456
+2	215.9	67.9	+2	289.7	10,486
+1	107.9	67.3	+1	144.8	10,515
					10,544
0	0.0	66.7	0	0.0	10,619
					10,694
-1	(318.9)	65.6	-1	(144.8)	10,723
-2	(637.9)	64.5	-2	(289.7)	10,753
-3	(956.8)	63.3	-3	(434.5)	10,782
-4	(1,275.8)	62.2	-4	(579.4)	10,811
-5	(1,594.7)	61.0	-5	(724.2)	10,840
-6	(1,913.6)	59.9	-6	(869.0)	10,870
-7	(2,232.6)	58.8	-7	(1,013.9)	10,899
-8	(2,551.5)	57.6	-8	(1,158.7)	10,928
-9	(2,870.5)	56.5	-9	(1,303.5)	10,957
-10	(3,189.4)	55.4	-10	(1,448.4)	10,987
	Weighting Factor =	3.70%		Weighting Factor =	4.96%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2018 - DECEMBER 2018

BIG BEND 4

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,473.1	82.0	+10	2,146.5	10,066
+9	1,325.8	81.6	+9	1,931.8	10,097
+8	1,178.5	81.3	+8	1,717.2	10,128
+7	1,031.2	81.0	+7	1,502.5	10,159
+6	883.9	80.6	+6	1,287.9	10,189
+5	736.6	80.3	+5	1,073.2	10,220
+4	589.2	80.0	+4	858.6	10,251
+3	441.9	79.7	+3	643.9	10,281
+2	294.6	79.3	+2	429.3	10,312
+1	147.3	79.0	+1	214.6	10,343
					10,373
0	0.0	78.7	0	0.0	10,448
					10,523
-1	(184.6)	78.0	-1	(214.6)	10,554
-2	(369.2)	77.4	-2	(429.3)	10,585
-3	(553.7)	76.7	-3	(643.9)	10,615
-4	(738.3)	76.1	-4	(858.6)	10,646
-5	(922.9)	75.4	-5	(1,073.2)	10,677
-6	(1,107.5)	74.7	-6	(1,287.9)	10,708
-7	(1,292.0)	74.1	-7	(1,502.5)	10,738
-8	(1,476.6)	73.4	-8	(1,717.2)	10,769
-9	(1,661.2)	72.8	-9	(1,931.8)	10,800
-10	(1,845.8)	72.1	-10	(2,146.5)	10,830
	Weighting Factor =	5.05%		Weighting Factor =	7.36%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2018 - DECEMBER 2018

POLK 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	211.9	77.0	+10	1,028.0	9,644
+9	190.7	76.7	+9	925.2	9,670
+8	169.6	76.4	+8	822.4	9,696
+7	148.4	76.2	+7	719.6	9,722
+6	127.2	75.9	+6	616.8	9,748
+5	106.0	75.7	+5	514.0	9,774
+4	84.8	75.4	+4	411.2	9,799
+3	63.6	75.2	+3	308.4	9,825
+2	42.4	74.9	+2	205.6	9,851
+1	21.2	74.7	+1	102.8	9,877
					9,903
0	0.0	74.4	0	0.0	9,978
					10,053
-1	(38.1)	73.9	-1	(102.8)	10,079
-2	(76.2)	73.4	-2	(205.6)	10,105
-3	(114.3)	72.9	-3	(308.4)	10,130
-4	(152.4)	72.4	-4	(411.2)	10,156
-5	(190.4)	71.9	-5	(514.0)	10,182
-6	(228.5)	71.4	-6	(616.8)	10,208
-7	(266.6)	70.9	-7	(719.6)	10,234
-8	(304.7)	70.4	-8	(822.4)	10,260
-9	(342.8)	69.9	-9	(925.2)	10,286
-10	(380.9)	69.4	-10	(1,028.0)	10,312

Weighting Factor =

0.73%

Weighting Factor =

3.52%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2018 - DECEMBER 2018

POLK 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,408.9	85.7	+10	13,242.8	6,827
+9	1,268.0	85.5	+9	11,918.5	6,875
+8	1,127.1	85.2	+8	10,594.2	6,923
+7	986.2	85.0	+7	9,269.9	6,971
+6	845.3	84.7	+6	7,945.7	7,019
+5	704.4	84.5	+5	6,621.4	7,067
+4	563.5	84.2	+4	5,297.1	7,115
+3	422.7	84.0	+3	3,972.8	7,163
+2	281.8	83.7	+2	2,648.6	7,211
+1	140.9	83.5	+1	1,324.3	7,259
					7,307
0	0.0	83.2	0	0.0	7,382
					7,457
-1	(137.3)	82.7	-1	(1,324.3)	7,505
-2	(274.5)	82.2	-2	(2,648.6)	7,553
-3	(411.8)	81.7	-3	(3,972.8)	7,601
-4	(549.1)	81.2	-4	(5,297.1)	7,648
-5	(686.3)	80.7	-5	(6,621.4)	7,696
-6	(823.6)	80.2	-6	(7,945.7)	7,744
-7	(960.9)	79.7	-7	(9,269.9)	7,792
-8	(1,098.2)	79.2	-8	(10,594.2)	7,840
-9	(1,235.4)	78.7	-9	(11,918.5)	7,888
-10	(1,372.7)	78.2	-10	(13,242.8)	7,936
	Weighting Factor =	4.83%		Weighting Factor =	45.39%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2018 - DECEMBER 2018

BAYSIDE 1

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	770.2	83.8	+10	1,359.6	7,360
+9	693.2	83.7	+9	1,223.7	7,365
+8	616.2	83.5	+8	1,087.7	7,371
+7	539.1	83.4	+7	951.7	7,376
+6	462.1	83.3	+6	815.8	7,382
+5	385.1	83.2	+5	679.8	7,387
+4	308.1	83.0	+4	543.9	7,393
+3	231.1	82.9	+3	407.9	7,398
+2	154.0	82.8	+2	271.9	7,403
+1	77.0	82.7	+1	136.0	7,409
					7,414
0	0.0	82.5	0	0.0	7,489
					7,564
-1	(38.5)	82.3	-1	(136.0)	7,570
-2	(77.0)	82.0	-2	(271.9)	7,575
-3	(115.5)	81.8	-3	(407.9)	7,581
-4	(154.0)	81.5	-4	(543.9)	7,586
-5	(192.5)	81.3	-5	(679.8)	7,592
-6	(231.1)	81.0	-6	(815.8)	7,597
-7	(269.6)	80.7	-7	(951.7)	7,603
-8	(308.1)	80.5	-8	(1,087.7)	7,608
-9	(346.6)	80.2	-9	(1,223.7)	7,614
-10	(385.1)	80.0	-10	(1,359.6)	7,619

Weighting Factor =

2.64%

Weighting Factor =

4.66%

TAMPA ELECTRIC COMPANY
GPIF TARGET AND RANGE SUMMARY
JANUARY 2018 - DECEMBER 2018

BAYSIDE 2

EQUIVALENT AVAILABILITY POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL EQUIVALENT AVAILABILITY	AVERAGE HEAT RATE POINTS	FUEL SAVINGS / (LOSS) (\$000)	ADJUSTED ACTUAL AVERAGE HEAT RATE
+10	1,505.7	79.1	+10	2,106.5	7,447
+9	1,355.1	78.9	+9	1,895.8	7,462
+8	1,204.6	78.7	+8	1,685.2	7,478
+7	1,054.0	78.6	+7	1,474.5	7,493
+6	903.4	78.4	+6	1,263.9	7,509
+5	752.9	78.2	+5	1,053.2	7,524
+4	602.3	78.0	+4	842.6	7,539
+3	451.7	77.9	+3	631.9	7,555
+2	301.1	77.7	+2	421.3	7,570
+1	150.6	77.5	+1	210.6	7,585
					7,601
0	0.0	77.3	0	0.0	7,676
					7,751
-1	(181.5)	77.0	-1	(210.6)	7,766
-2	(363.1)	76.6	-2	(421.3)	7,782
-3	(544.6)	76.3	-3	(631.9)	7,797
-4	(726.2)	75.9	-4	(842.6)	7,812
-5	(907.7)	75.6	-5	(1,053.2)	7,828
-6	(1,089.3)	75.3	-6	(1,263.9)	7,843
-7	(1,270.8)	74.9	-7	(1,474.5)	7,859
-8	(1,452.4)	74.6	-8	(1,685.2)	7,874
-9	(1,633.9)	74.2	-9	(1,895.8)	7,889
-10	(1,815.5)	73.9	-10	(2,106.5)	7,905
	Weighting Factor =	5.16%		Weighting Factor =	7.22%

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2018 - DECEMBER 2018

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-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	2018
1. EAF (%)	65.8	58.8	42.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	43.9	65.8	61.5
2. POF	0.0	10.7	35.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	6.6
3. EUOF	34.2	30.5	22.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	22.8	34.2	31.9
4. EUOR	34.2	34.2	34.2	0.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	48	43	105	0	10	229	211	266	248	227	341	173	1,901
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	696	629	638	720	734	491	533	478	472	517	380	571	6,859
9. POH	0	72	263	0	0	0	0	0	0	0	240	0	575
10. EFOH	243	196	157	235	243	235	243	243	235	243	157	243	2,670
11. EMOH	12	9	7	11	12	11	12	12	11	12	7	12	127
12. OPER BTU (GBTU)	105	102	231	0	22	556	508	626	627	596	971	391	4,738
13. NET GEN (MWH)	9,120	8,920	20,200	0	1,960	48,990	44,750	54,950	55,490	52,900	87,060	34,220	418,560
14. ANOHR (Btu/kwh)	11,463	11,381	11,452	0	11,435	11,350	11,359	11,385	11,303	11,259	11,154	11,426	11,320
15. NOF (%)	52.1	56.8	52.7	0.0	53.7	58.6	58.1	56.6	61.3	63.8	69.9	54.2	60.3
16. NPC (MW)	365	365	365	365	365	365	365	365	365	365	365	365	365
17. ANOHR EQUATION	ANOHR = NOF(-17.276) +								12,362

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2018 - DECEMBER 2018

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-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	2018
1. EAF (%)	71.4	71.4	71.4	47.6	62.2	71.4	71.4	71.4	71.4	48.4	71.4	71.4	66.7
2. POF	0.0	0.0	0.0	33.3	12.9	0.0	0.0	0.0	0.0	32.3	0.0	0.0	6.6
3. EUOF	28.6	28.6	28.6	19.1	24.9	28.6	28.6	28.6	28.6	19.4	28.6	28.6	26.7
4. EUOR	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	539	540	603	206	525	439	523	419	450	283	438	474	5,439
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	205	132	140	514	219	281	221	325	270	461	283	270	3,321
9. POH	0	0	0	240	96	0	0	0	0	240	0	0	576
10. EFOH	201	181	200	129	175	194	201	201	194	136	194	201	2,206
11. EMOH	12	11	12	8	11	12	12	12	12	8	12	12	133
12. OPER BTU (GBTU)	1,981	1,870	2,168	653	1,723	1,454	1,610	1,362	1,574	954	1,427	1,731	18,515
13. NET GEN (MWH)	188,660	176,390	205,730	60,860	161,490	136,450	149,510	127,490	149,010	89,710	133,570	164,680	1,743,550
14. ANOHR (Btu/kwh)	10,500	10,604	10,539	10,727	10,672	10,657	10,770	10,687	10,565	10,629	10,684	10,512	10,619
15. NOF (%)	87.5	81.7	85.3	74.8	77.9	78.7	72.4	77.0	83.8	80.3	77.2	86.9	80.8
16. NPC (MW)	400	400	400	395	395	395	395	395	395	395	395	400	397
17. ANOHR EQUATION	ANOHR = NOF(-17.826) +								12,060

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2018 - DECEMBER 2018

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-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	2018
1. EAF (%)	84.2	84.2	46.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	57.0	78.7
2. POF	0.0	0.0	45.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.3	6.6
3. EUOF	15.8	15.8	8.6	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	10.7	14.7
4. EUOR	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	522	672	362	546	624	584	622	608	672	666	522	257	6,657
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	222	0	381	174	120	136	122	136	48	78	199	487	2,103
9. POH	0	0	336	0	0	0	0	0	0	0	0	240	576
10. EFOH	89	81	49	86	89	86	89	89	86	89	86	60	981
11. EMOH	28	26	15	27	28	27	28	28	27	28	27	19	311
12. OPER BTU (GBTU)	2,178	2,721	1,586	2,122	2,366	2,230	2,514	2,389	2,654	2,548	2,050	1,012	26,375
13. NET GEN (MWH)	209,530	260,830	153,470	202,780	225,390	212,640	241,270	228,520	254,010	243,020	196,120	96,750	2,524,330
14. ANOHR (Btu/kwh)	10,394	10,431	10,331	10,466	10,495	10,487	10,420	10,454	10,448	10,485	10,454	10,464	10,448
15. NOF (%)	90.8	87.8	95.9	85.0	82.7	83.3	88.8	86.0	86.5	83.5	86.0	85.2	86.4
16. NPC (MW)	442	442	442	437	437	437	437	437	437	437	437	442	439
17. ANOHR EQUATION	ANOHR = NOF(-12.371) +								11,518

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2018 - DECEMBER 2018

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-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	2018
1. EAF (%)	90.0	67.5	90.0	90.0	90.0	90.0	90.0	43.5	0.0	60.9	90.0	90.0	74.4
2. POF	0.0	25.0	0.0	0.0	0.0	0.0	0.0	51.6	100.0	32.3	0.0	0.0	17.3
3. EUOF	10.0	7.5	10.0	10.0	10.0	10.0	10.0	4.9	0.0	6.8	10.0	10.0	8.3
4. EUOR	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	0.0	10.0	10.0	10.0	10.0
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	688	510	659	658	696	608	678	348	0	497	651	671	6,664
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	56	162	84	62	48	112	66	396	720	247	70	73	2,096
9. POH	0	168	0	0	0	0	0	384	720	240	0	0	1,512
10. EFOH	64	44	64	62	64	62	64	31	0	44	62	64	627
11. EMOH	10	7	10	10	10	10	10	5	0	7	10	10	101
12. OPER BTU (GBTU)	1,504	1,100	1,436	1,433	1,504	1,321	1,476	760	0	1,080	1,422	1,462	14,498
13. NET GEN (MWH)	150,650	110,370	143,890	143,580	150,900	132,450	147,940	76,130	0	108,220	142,450	146,460	1,453,040
14. ANOHR (Btu/kwh)	9,985	9,966	9,980	9,979	9,969	9,976	9,979	9,983	0	9,976	9,984	9,980	9,978
15. NOF (%)	99.5	98.4	99.2	99.2	98.6	99.0	99.2	99.4	0.0	99.0	99.5	99.2	99.1
16. NPC (MW)	220	220	220	220	220	220	220	220	220	220	220	220	220
17. ANOHR EQUATION	ANOHR = NOF(16.584) +				8,334								

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2018 - DECEMBER 2018

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 2	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	2018
1. EAF (%)	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	71.2	44.1	88.3	83.2
2. POF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4	50.1	0.0	5.8
3. EUOF	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	9.4	5.8	11.7	11.0
4. EUOR	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	744	672	743	720	744	720	744	744	720	744	453	744	8,492
7. RSH	0	0	0	0	0	0	0	0	0	0	0	0	0
8. UH	0	0	0	0	0	0	0	0	0	0	268	0	268
9. POH	0	0	0	0	0	0	0	0	0	144	361	0	505
10. EFOH	47	42	47	46	47	46	47	47	46	38	23	47	522
11. EMOH	40	36	40	39	40	39	40	40	39	32	19	40	443
12. OPER BTU (GBTU)	4,787	3,952	4,703	4,752	4,594	4,768	4,874	5,087	4,385	4,117	2,489	4,707	53,287
13. NET GEN (MWH)	642,410	523,710	629,610	654,830	625,340	657,390	670,600	705,820	595,590	550,740	332,710	630,080	7,218,830
14. ANOHR (Btu/kwh)	7,452	7,547	7,470	7,257	7,346	7,253	7,268	7,207	7,363	7,475	7,482	7,470	7,382
15. NOF (%)	71.2	64.3	69.9	85.5	79.0	85.8	84.7	89.2	77.7	69.6	69.0	69.9	76.4
16. NPC (MW)	1,212	1,212	1,212	1,064	1,064	1,064	1,064	1,064	1,064	1,064	1,064	1,212	1,113
17. ANOHR EQUATION	ANOHR = NOF(-13.653) +	8,424							

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EXHIBIT NO. _____ (BSB-2)
TAMPA ELECTRIC COMPANY
DOCKET NO. 20180001-EI
DOCUMENT NO. 8
PAGE 18 OF 40

TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2018 - DECEMBER 2018

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-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	2018
1. EAF (%)	96.9	96.9	96.9	58.1	96.9	96.9	96.9	96.9	96.9	53.1	6.4	96.9	82.5
2. POF	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	45.2	93.3	0.0	14.8
3. EUOF	3.1	3.1	3.1	1.9	3.1	3.1	3.1	3.1	3.1	1.7	0.2	3.1	2.7
4. EUOR	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	721	651	720	418	721	697	721	721	697	395	18	721	7,201
7. RSH	0	0	0	0	0	0	0	0	0	0	28	0	29
8. UH	23	21	23	302	23	23	23	23	23	349	675	23	1,530
9. POH	0	0	0	288	0	0	0	0	0	336	673	0	1,297
10. EFOH	10	9	10	6	10	10	10	10	10	5	1	10	99
11. EMOH	13	12	13	8	13	13	13	13	13	7	1	13	135
12. OPER BTU (GBTU)	2,160	1,879	2,182	1,323	2,469	2,665	2,645	2,795	2,779	1,384	55	2,354	24,760
13. NET GEN (MWH)	281,570	244,000	284,750	175,770	331,350	363,440	358,430	382,030	381,610	186,230	7,300	309,540	3,306,020
14. ANOHR (Btu/kwh)	7,672	7,699	7,663	7,528	7,452	7,333	7,379	7,316	7,283	7,429	7,556	7,606	7,489
15. NOF (%)	49.3	47.3	50.0	59.9	65.6	74.3	70.9	75.6	78.1	67.2	57.9	54.2	62.8
16. NPC (MW)	792	792	792	701	701	701	701	701	701	701	701	792	731
17. ANOHR EQUATION	ANOHR = NOF(-13.560) +	8,341							

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TAMPA ELECTRIC COMPANY
ESTIMATED UNIT PERFORMANCE DATA
JANUARY 2018 - DECEMBER 2018

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-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	2018
1. EAF (%)	95.0	10.2	0.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	58.2	77.3
2. POF	0.0	89.3	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.7	18.6
3. EUOF	5.0	0.5	0.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	3.0	4.0
4. EUOR	5.0	0.0	0.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
5. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
6. SH	96	0	0	680	707	684	707	707	684	707	685	303	5,961
7. RSH	611	68	0	4	0	0	0	0	0	0	0	130	814
8. UH	37	604	743	36	37	36	37	37	36	37	36	311	1,985
9. POH	0	600	743	0	0	0	0	0	0	0	0	288	1,631
10. EFOH	19	2	0	18	19	18	19	19	18	19	18	11	180
11. EMOH	18	2	0	18	18	18	18	18	18	18	18	11	175
12. OPER BTU (GBTU)	169	0	0	2,425	2,521	2,871	2,666	2,871	2,822	2,802	3,156	741	23,158
13. NET GEN (MWH)	21,050	0	0	314,770	327,250	378,150	347,710	376,920	371,070	367,050	419,740	93,310	3,017,020
14. ANOHR (Btu/kwh)	8,034	0	0	7,704	7,704	7,593	7,668	7,618	7,606	7,635	7,520	7,937	7,676
15. NOF (%)	20.9	0.0	0.0	49.8	49.8	59.5	52.9	57.4	58.4	55.9	65.9	29.4	52.3
16. NPC (MW)	1,047	1,047	1,047	929	929	929	929	929	929	929	929	1,047	968
17. ANOHR EQUATION	ANOHR = NOF(-11.437) +		8,274						

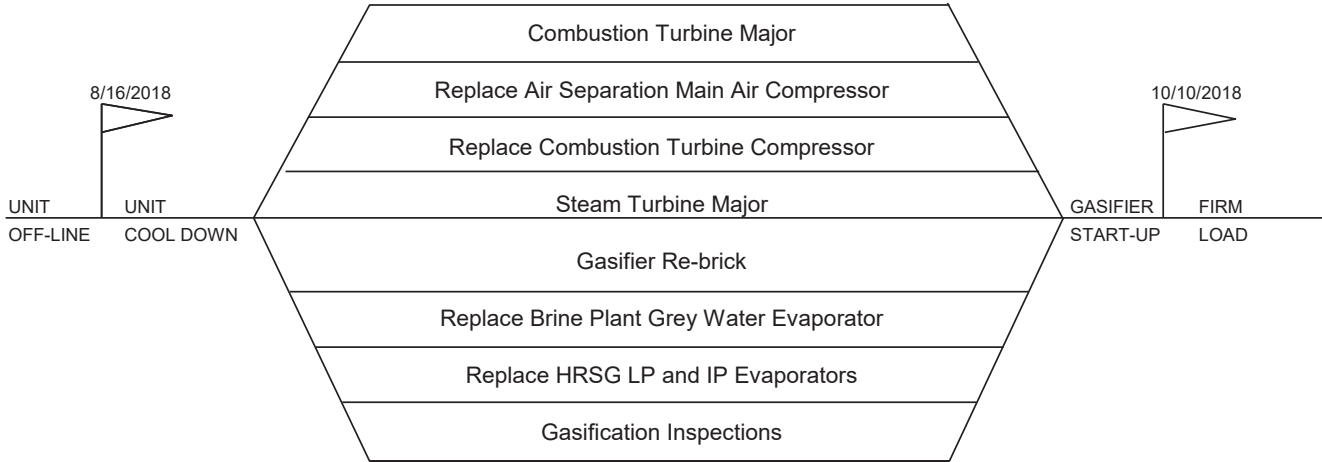
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**TAMPA ELECTRIC COMPANY
ESTIMATED PLANNED OUTAGE SCHEDULE
GPIF UNITS
JANUARY 2018 - DECEMBER 2018**

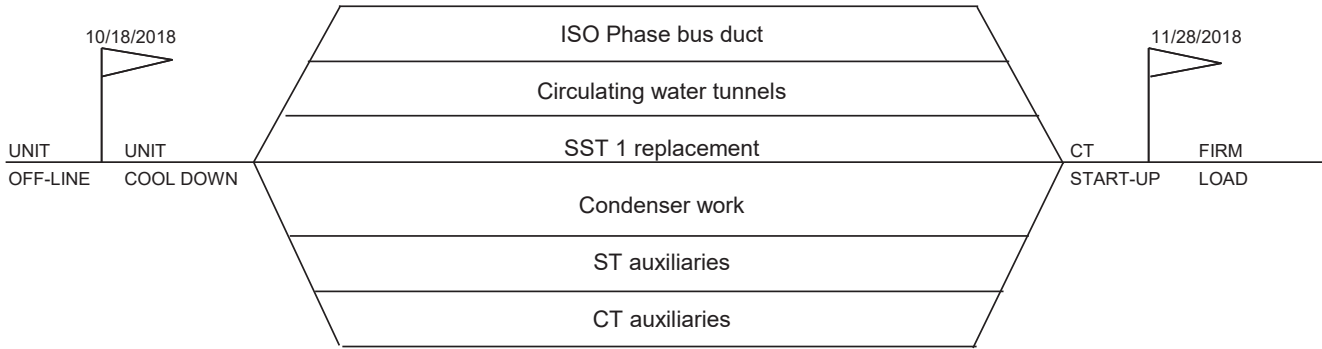
PLANT / UNIT	PLANNED OUTAGE DATES	OUTAGE DESCRIPTION
BIG BEND 2	Feb 26 - Mar 11 Nov 19 - Nov 28	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
BIG BEND 3	Apr 21 - May 04 Oct 06 - Oct 15	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
BIG BEND 4	Mar 13 - Mar 26 Dec 04 - Dec 13	Fuel System Cleanup and FGD/SCR work Fuel System Cleanup and FGD/SCR work
+ POLK 1	Feb 17 - Feb 23 Aug 16 - Oct 10	Gasifier Outage Combustion Turbine Major, Steam Turbine Major, Replace Combustion Turbine Compressor, Replace Air Separation Main Air Compressor Bull Gear, pinions, and impellers, Gasifier Re-brick, Replace Brine Plant Grey Water Evaporator, Replace HRSG LP and IP Evaporators, Gasification Inspections
POLK 2	Oct 19 - Nov 15	Fuel System Cleanup
+ BAYSIDE 1	Apr 06 - Apr 17 Oct 18 - Nov 28	Fuel System Cleanup SST 1 replacement, ISO Phase bus duct, Condenser work, Circulating water tunnels, ST auxiliaries, CT auxiliaries
+ BAYSIDE 2	Feb 04 - Mar 31 Dec 09 - Dec 20	HP/IP Curtis Stage upgrade, Centerline bearing & steam seals, SST 2 replacement, Reserve #3 replacement, Condensers, ZBL System, Circ. & condensate pumps, ST & CT auxiliaries Fuel System Cleanup

+ These units have CPM included. 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 2018 - DECEMBER 2018

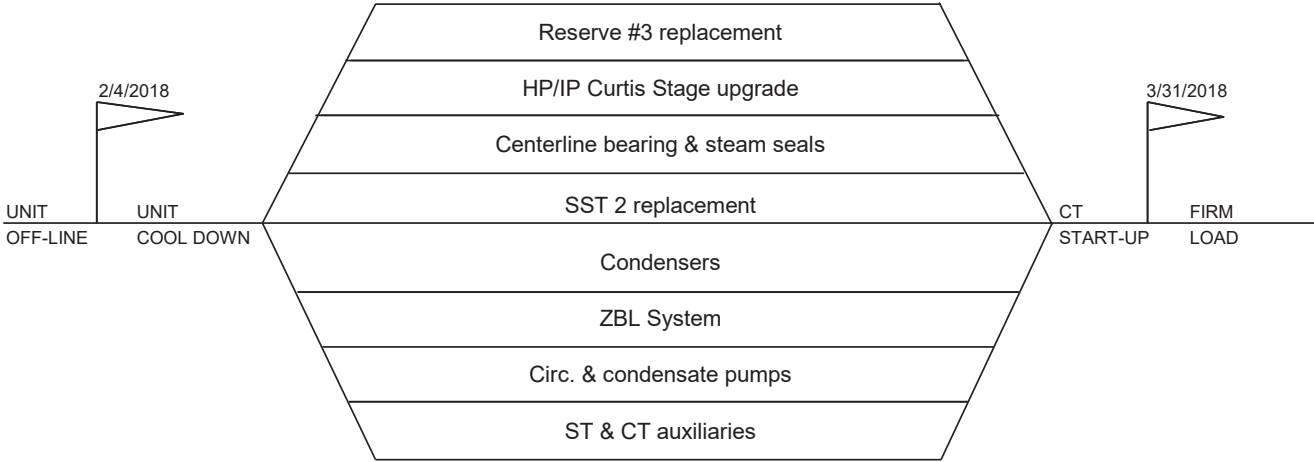


TAMPA ELECTRIC COMPANY
 POLK 1
 PLANNED OUTAGE 2018
 PROJECTED CPM



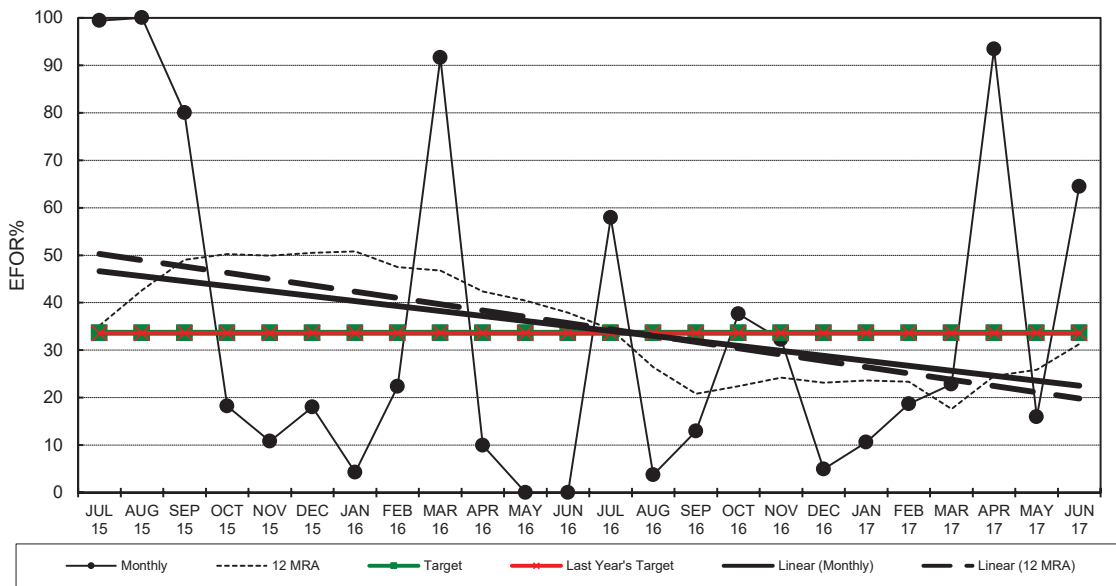
TAMPA ELECTRIC COMPANY
 BAYSIDE 1
 PLANNED OUTAGE 2018
 PROJECTED CPM

TAMPA ELECTRIC COMPANY
CRITICAL PATH METHOD DIAGRAMS
GPIF UNITS > FOUR WEEKS
JANUARY 2018 - DECEMBER 2018

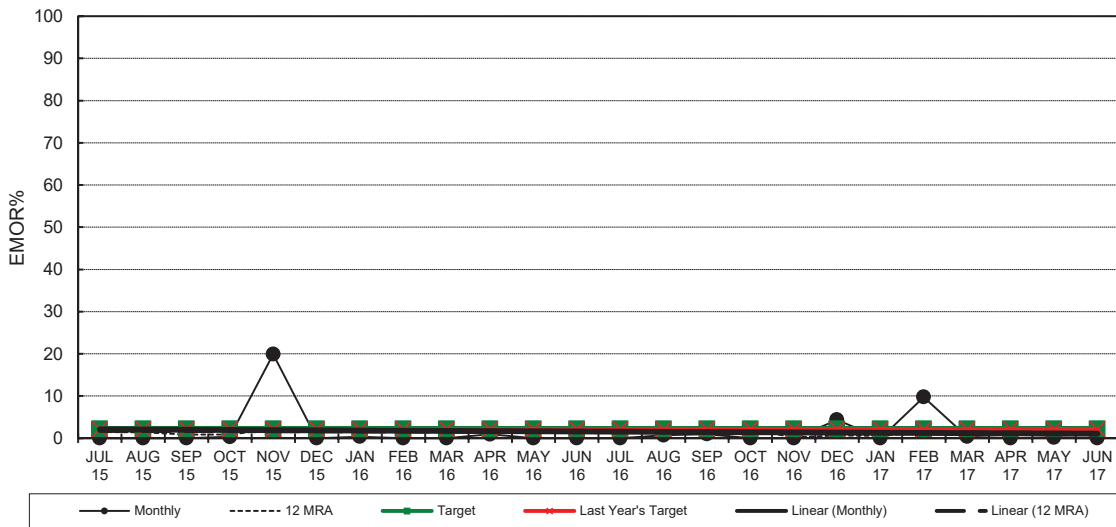


TAMPA ELECTRIC COMPANY
BAYSIDE 2
PLANNED OUTAGE 2018
PROJECTED CPM

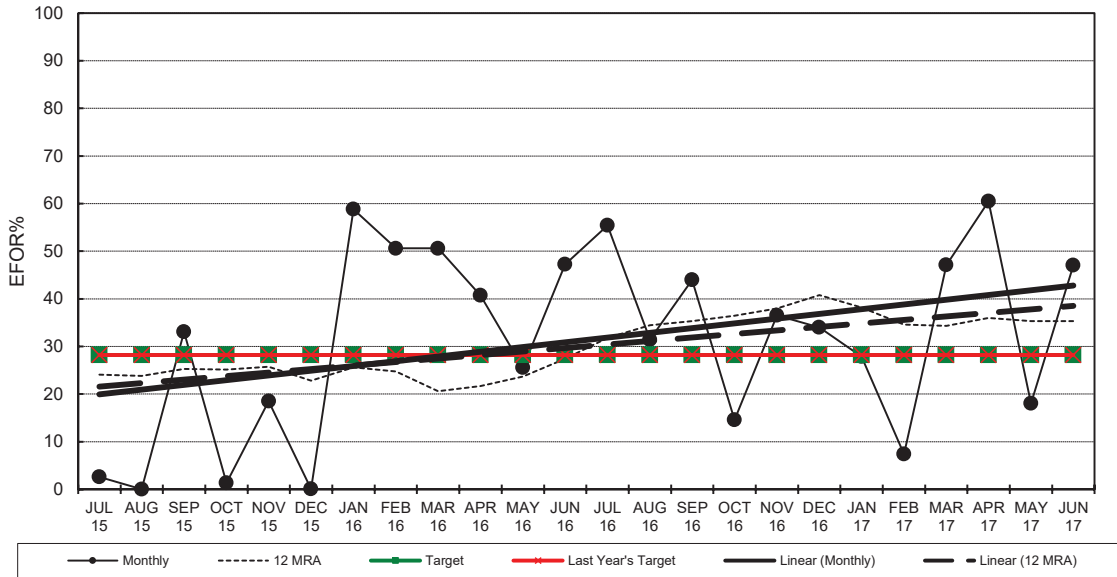
Big Bend Unit 2
 EFOR



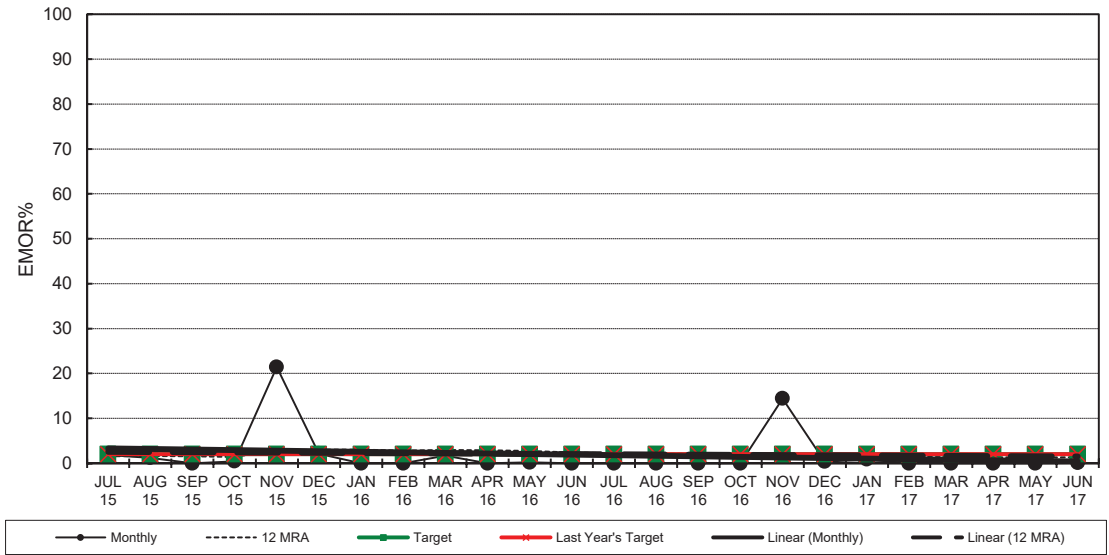
Big Bend Unit 2
 EMOR



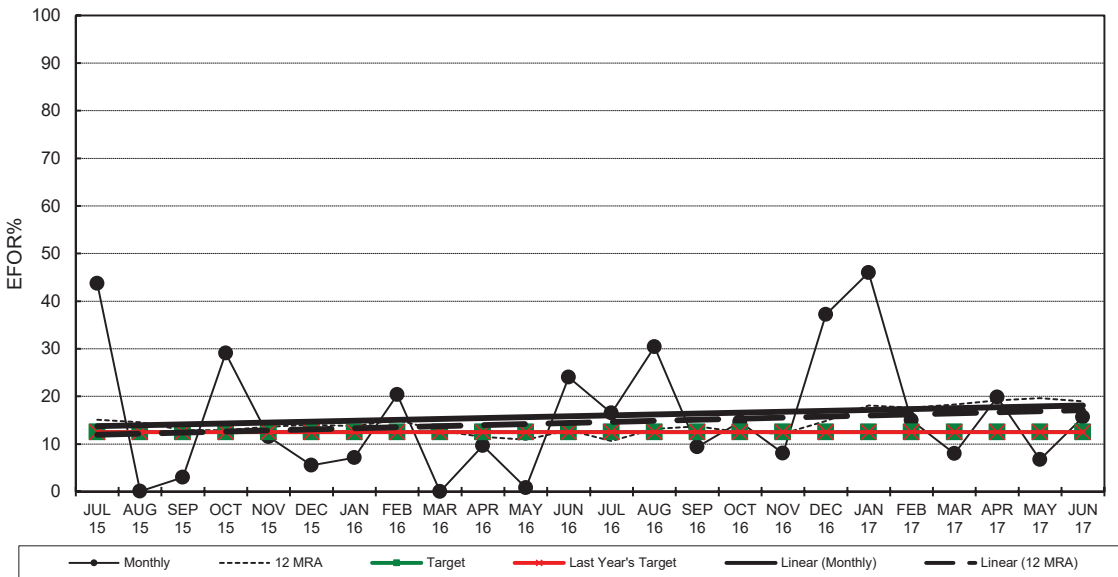
Big Bend Unit 3
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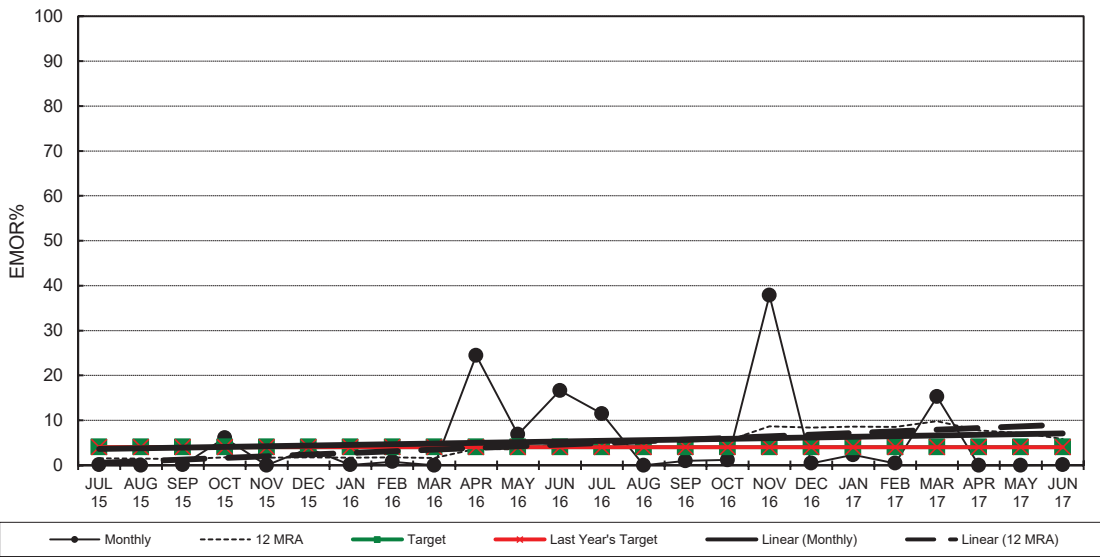
Big Bend Unit 3
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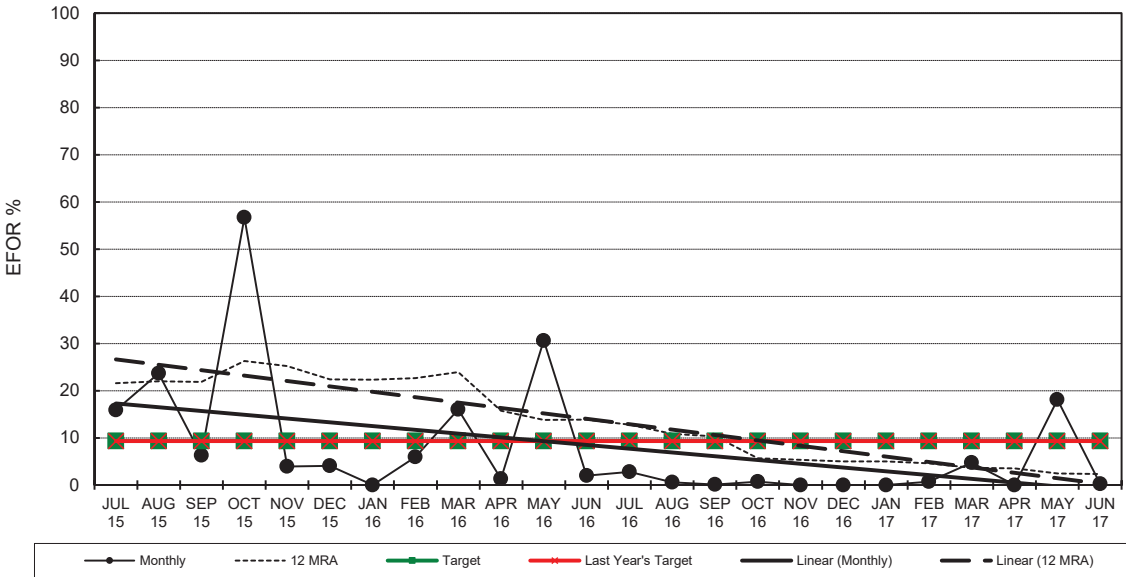
Big Bend Unit 4
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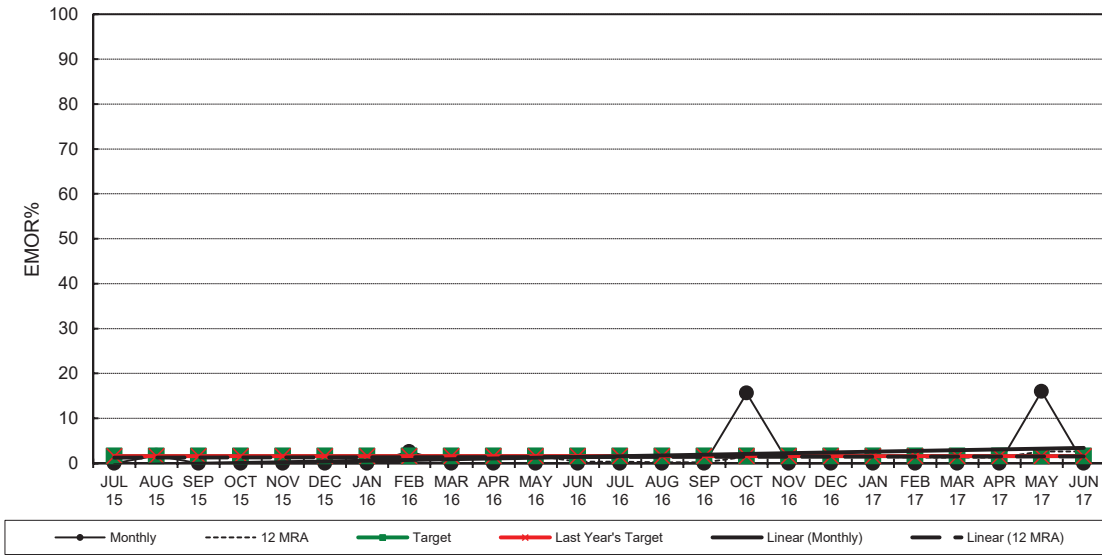
Big Bend Unit 4
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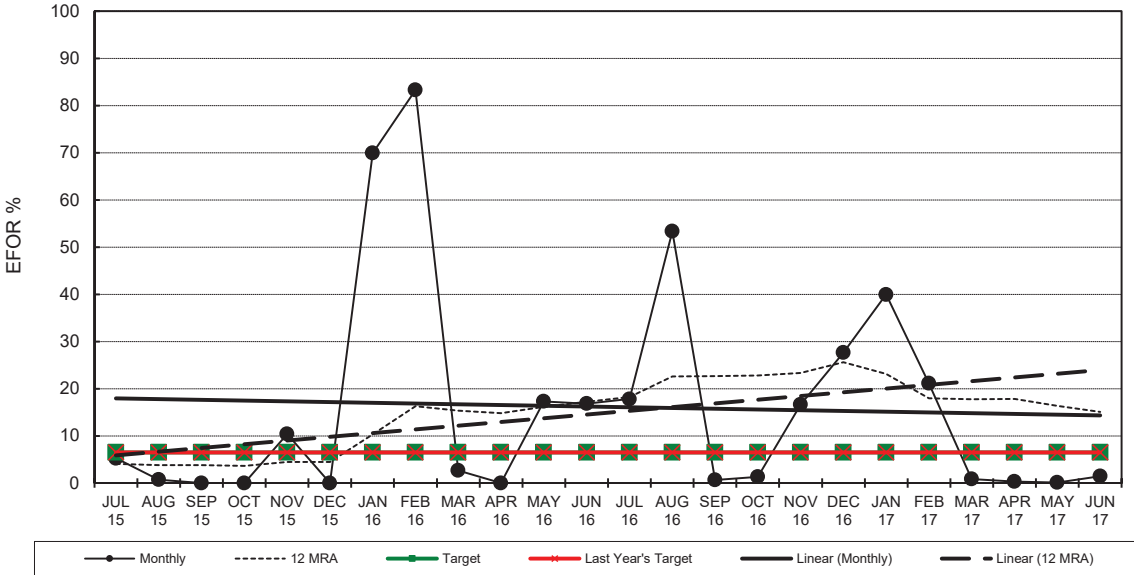
Polk Unit 1
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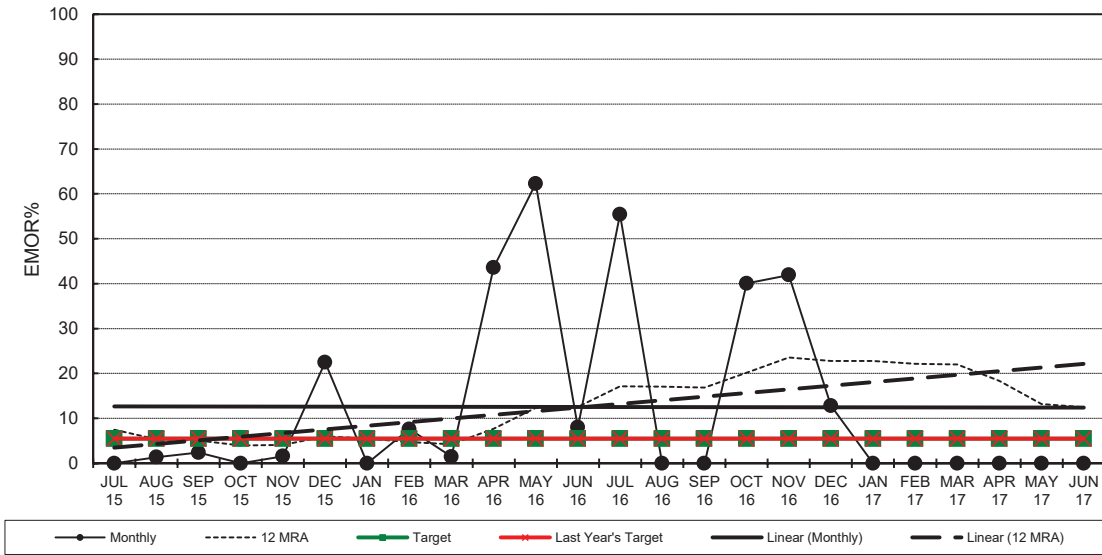
Polk Unit 1
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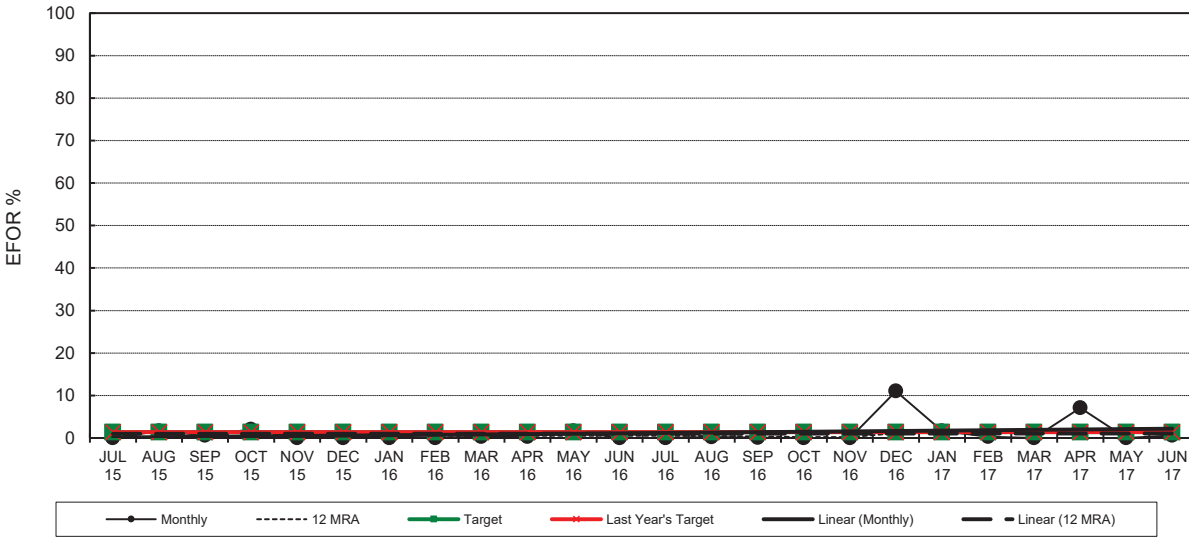
Polk Unit 2
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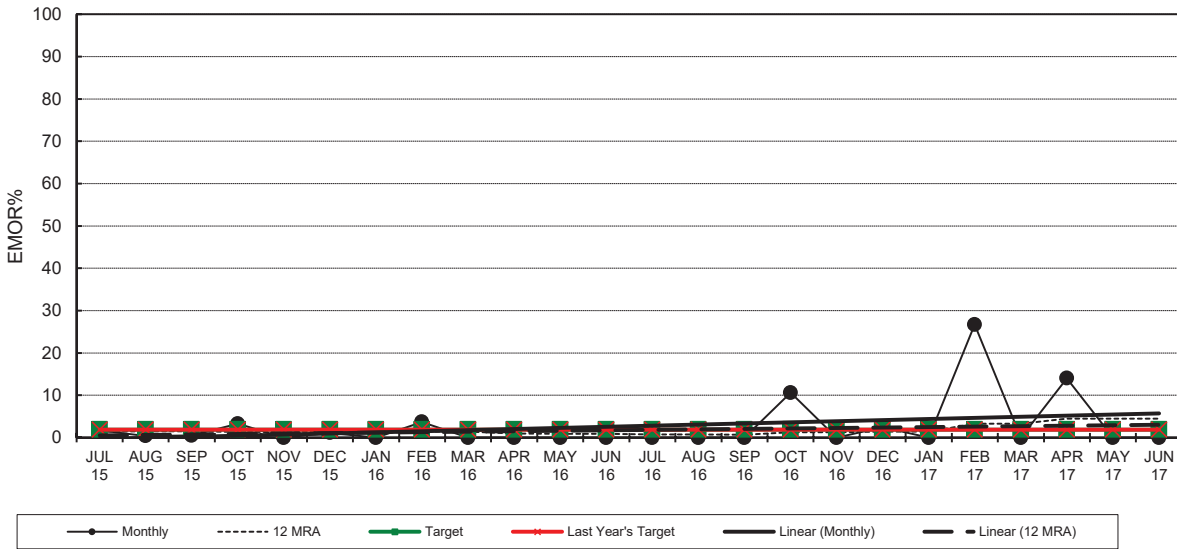
Polk Unit 2
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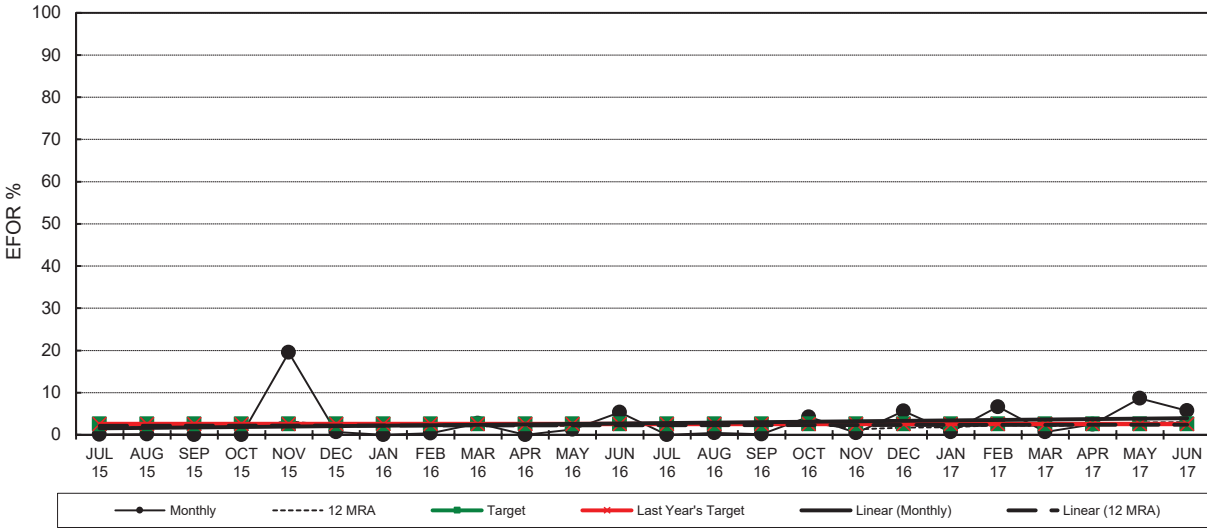
Bayside Unit 1
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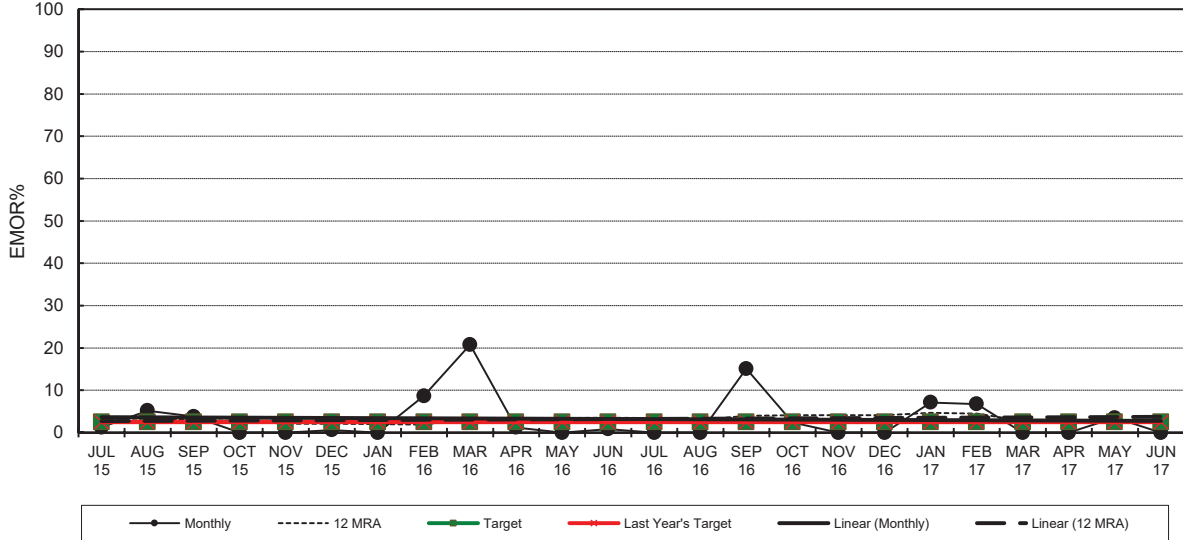
Bayside Unit 1
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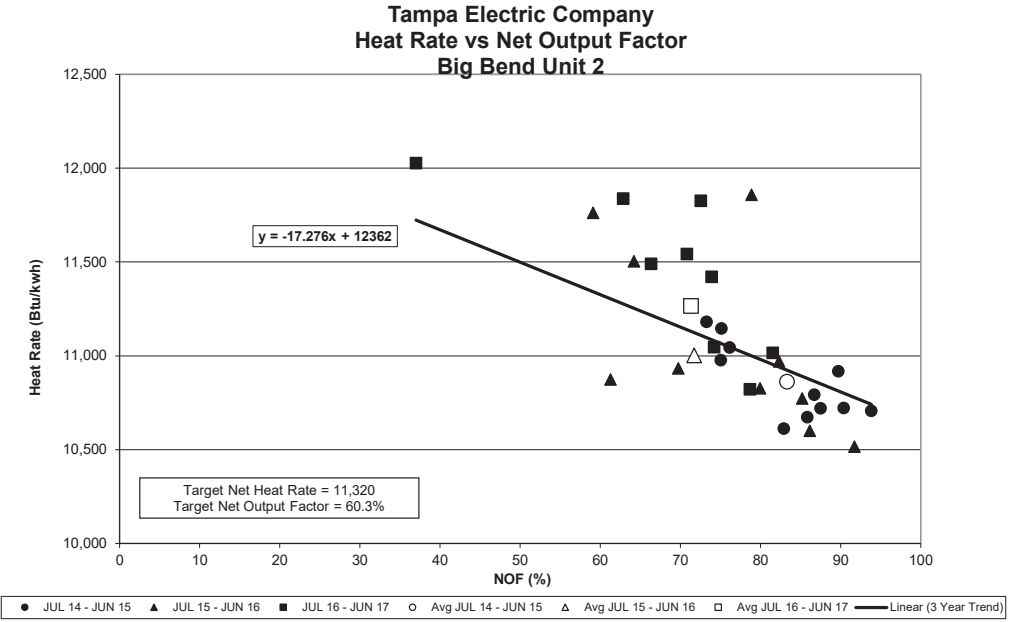


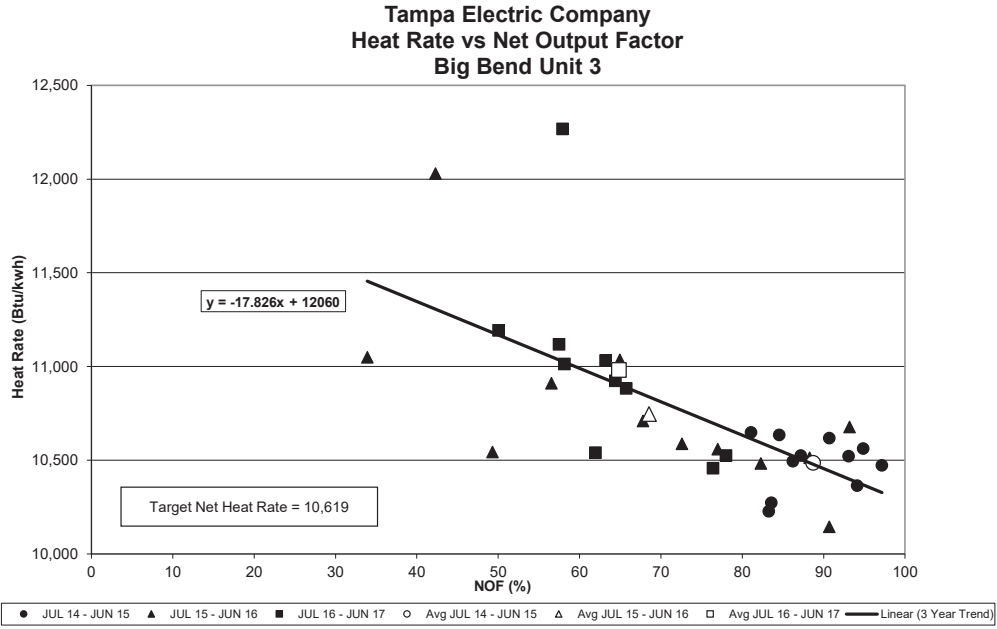
Bayside Unit 2
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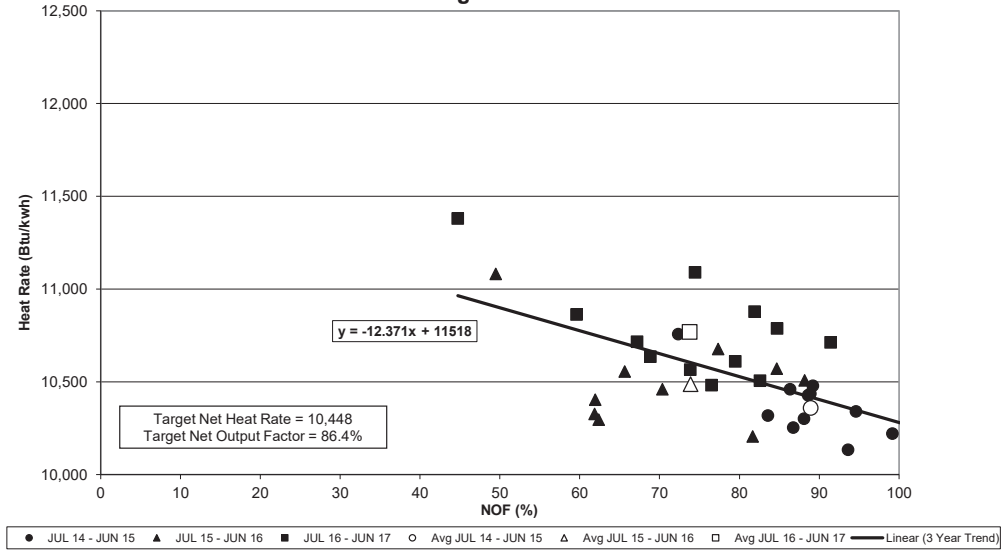
Bayside Unit 2
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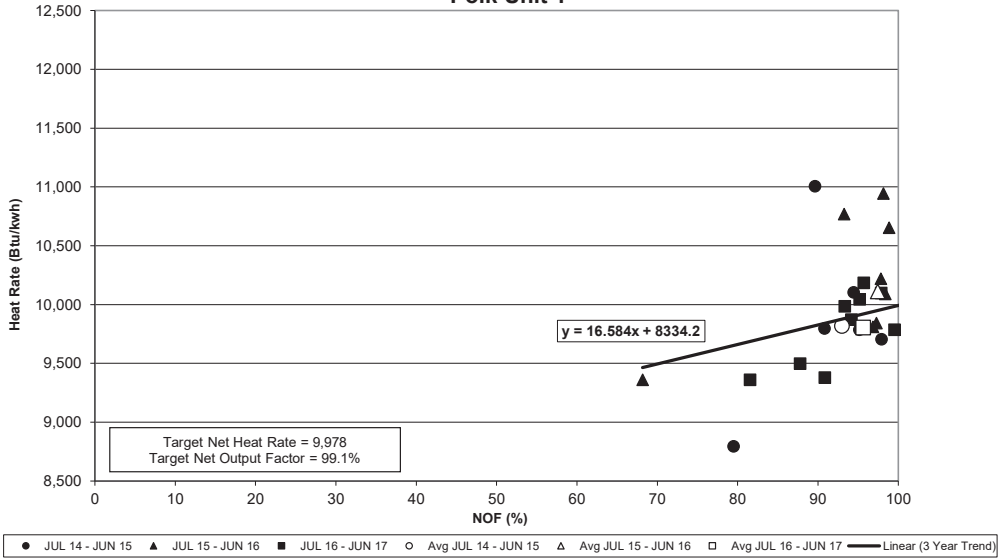




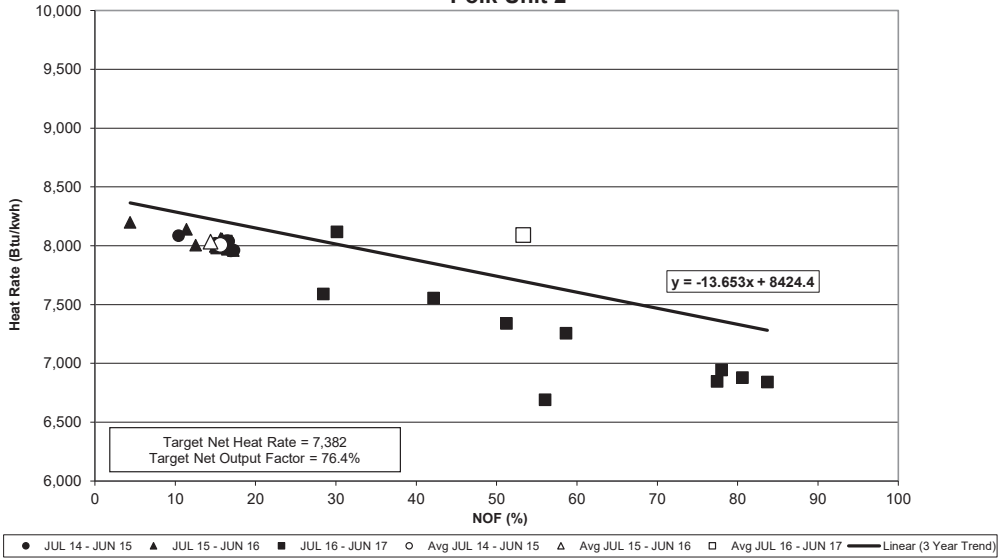
Tampa Electric Company
Heat Rate vs Net Output Factor
Big Bend Unit 4



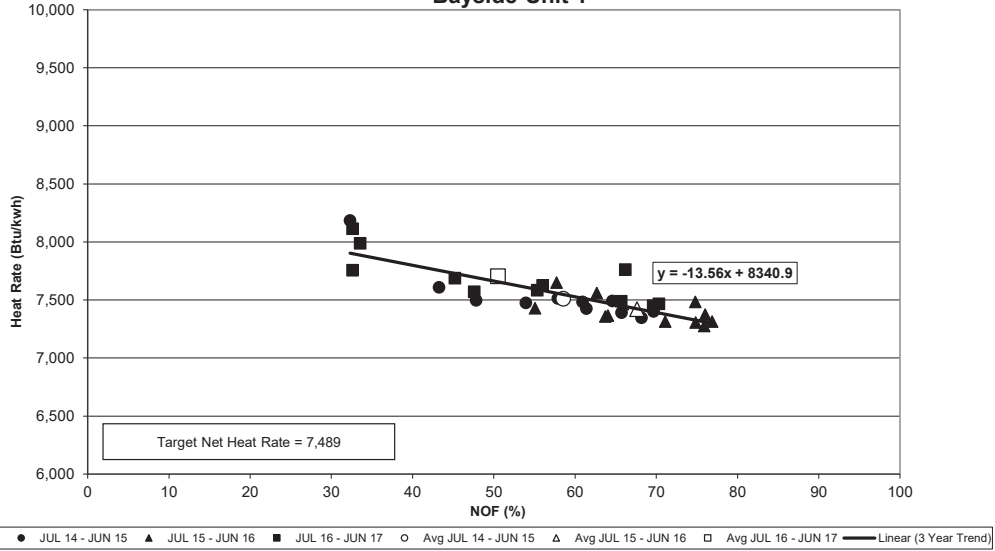
**Tampa Electric Company
 Heat Rate vs Net Output Factor
 Polk Unit 1**



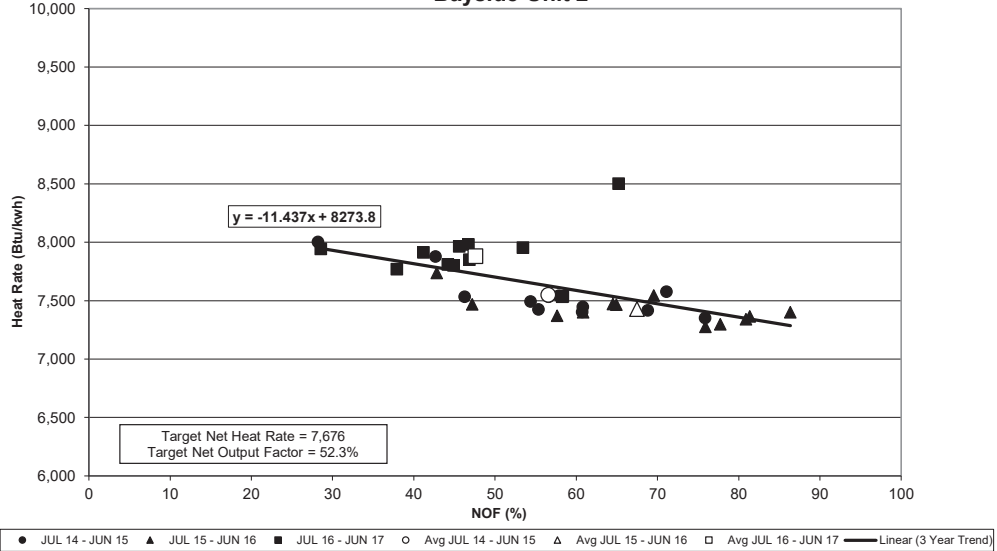
**Tampa Electric Company
 Heat Rate vs Net Output Factor
 Polk Unit 2**



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



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



**TAMPA ELECTRIC COMPANY
GENERATING UNITS IN GPIF
TABLE 4.2
JANUARY 2018 - DECEMBER 2018**

<u>PLANT / UNIT</u>	<u>ANNUAL GROSS MDC (MW)</u>	<u>ANNUAL NET NDC (MW)</u>
BIG BEND 2	380	365
BIG BEND 3	422	397
BIG BEND 4	472	439
POLK 1	290	220
POLK 2	1,137	1,113
BAYSIDE 1	740	731
BAYSIDE 2	979	968
GPIF TOTAL	<u>4,420</u>	<u>4,233</u>
SYSTEM TOTAL	5,065	4,858
% OF SYSTEM TOTAL	87.3%	87.1%

**TAMPA ELECTRIC COMPANY
UNIT RATINGS
JANUARY 2018 - DECEMBER 2018**

<u>PLANT / UNIT</u>	<u>ANNUAL GROSS MDC (MW)</u>	<u>ANNUAL NET NDC (MW)</u>
BAYSIDE 1	740	731
BAYSIDE 2	979	968
BAYSIDE 3	59	58
BAYSIDE 4	59	58
BAYSIDE 5	59	58
BAYSIDE 6	59	58
BAYSIDE TOTAL	<u>1,954</u>	<u>1,930</u>
BIG BEND 1	330	315
BIG BEND 2	380	365
BIG BEND 3	422	397
BIG BEND 4	472	439
BIG BEND CT4	59	58
BIG BEND TOTAL	<u>1,662</u>	<u>1,573</u>
POLK 1	290	220
POLK 2	1,137	1,113
POLK TOTAL	<u>1,427</u>	<u>1,333</u>
SOLAR	21	21
SOLAR TOTAL	<u>21</u>	<u>21</u>
SYSTEM TOTAL	<u>5,065</u>	<u>4,858</u>

**TAMPA ELECTRIC COMPANY
PERCENT GENERATION BY UNIT
JANUARY 2018 - DECEMBER 2018**

<u>PLANT</u>	<u>UNIT</u>	<u>NET OUTPUT MWH</u>	<u>PERCENT OF PROJECTED OUTPUT</u>	<u>PERCENT CUMULATIVE PROJECTED OUTPUT</u>
POLK	2	7,218,830	35.92%	35.92%
BAYSIDE	1	3,306,020	16.45%	52.37%
BAYSIDE	2	3,017,020	15.01%	67.39%
BIG BEND	4	2,524,330	12.56%	79.95%
BIG BEND	3	1,743,550	8.68%	88.62%
POLK	1	1,453,040	7.23%	95.85%
BIG BEND	2	418,560	2.08%	97.94%
BIG BEND	1	290,910	1.45%	99.38%
SOLAR		46,920	0.23%	99.62%
BIG BEND CT	4	28,380	0.14%	99.76%
BAYSIDE	5	18,540	0.09%	99.85%
BAYSIDE	6	14,140	0.07%	99.92%
BAYSIDE	3	9,470	0.05%	99.97%
BAYSIDE	4	6,430	0.03%	100.00%
TOTAL GENERATION		20,096,140	100.00%	

GENERATION BY COAL UNITS: <u>6,430,390</u> MWH	GENERATION BY NATURAL GAS UNITS: <u>13,618,830</u> MWH
% GENERATION BY COAL UNITS: <u>32.00%</u>	% GENERATION BY NATURAL GAS UNITS: <u>67.77%</u>
GENERATION BY SOLAR UNITS: <u>46,920</u> MWH	GENERATION BY GPIF UNITS: <u>19,681,350</u> MWH
% GENERATION BY SOLAR UNITS: <u>0.23%</u>	% GENERATION BY GPIF UNITS: <u>97.94%</u>