

GENERATING PERFORMANCE INCENTIVE FACTOR

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EXHIBIT NO. \_\_\_\_ (BSB-1)  
TAMPA ELECTRIC COMPANY  
DOCKET NO. 170001-EI  
GPIF 2016 FINAL TRUE-UP  
DOCUMENT NO. 1

EXHIBIT TO THE TESTIMONY OF  
BRIAN S. BUCKLEY

DOCKET NO. 170001-EI

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

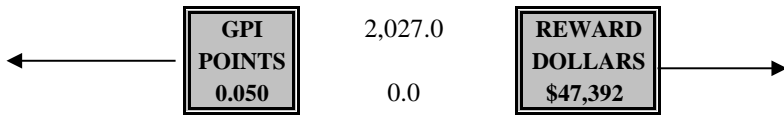
DOCUMENT NO. 1  
GPIF SCHEDULES

**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**

<b>GENERATING PERFORMANCE INCENTIVE POINTS (GPIP)</b>	<b>FUEL SAVINGS / (LOSS) (\$000)</b>	<b>GENERATING PERFORMANCE INCENTIVE FACTOR (\$000)</b>
+10	20,270.0	9,571.9
+9	18,243.0	8,614.7
+8	16,216.0	7,657.5
+7	14,189.0	6,700.3
+6	12,162.0	5,743.1
+5	10,135.0	4,785.9
+4	8,108.0	3,828.7
+3	6,081.0	2,871.6
+2	4,054.0	1,914.4
+1	2,027.0	957.2
0	0.0	0.0
-1	(2,042.1)	(957.2)
-2	(4,084.3)	(1,914.4)
-3	(6,126.4)	(2,871.6)
-4	(8,168.5)	(3,828.7)
-5	(10,210.6)	(4,785.9)
-6	(12,252.8)	(5,743.1)
-7	(14,294.9)	(6,700.3)
-8	(16,337.0)	(7,657.5)
-9	(18,379.2)	(8,614.7)
-10	(20,421.3)	(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)		\$	10,134,986	
<b>Line 23</b>	<b>Maximum Allowed GPIF Reward (At 10 GPIF-Point Level; the lesser of line 21 and line 22)</b>		<b>\$</b>	<b>9,571,866</b>	

**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	1.89%	0.895	0.017
BIG BEND 2	58.0%	EAF	4.41%	-10.000	-0.441
BIG BEND 3	54.0%	EAF	3.20%	-10.000	-0.320
BIG BEND 4	73.2%	EAF	3.32%	-5.171	-0.172
POLK 1	85.2%	EAF	0.76%	10.000	0.076
BAYSIDE 1	80.2%	EAF	4.12%	10.000	0.412
BAYSIDE 2	84.2%	EAF	8.44%	6.298	0.532
BIG BEND 1	10,627	ANOHR	6.90%	0.000	0.000
BIG BEND 2	10,318	ANOHR	12.47%	1.863	0.232
BIG BEND 3	10,258	ANOHR	6.59%	10.000	0.659
BIG BEND 4	10,241	ANOHR	13.12%	4.609	0.605
POLK 1	9,855	ANOHR	6.51%	9.342	0.608
BAYSIDE 1	7,412	ANOHR	14.36%	-5.553	-0.798
BAYSIDE 2	7,698	ANOHR	13.89%	-9.803	-1.362
			100.00%		0.050

<b>GPIF REWARD</b>	<b>\$ 47,392</b>
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TAMPA ELECTRIC COMPANY  
GPIF TARGET AND RANGE SUMMARY

EQUIVALENT AVAILABILITY (%)

PLANT / UNIT	WEIGHTING FACTOR (%)	EAFF TARGET (%)	EAFF MAX. (%)	EAFF RANGE MIN. (%)	EAFF MAX. SAVINGS (\$000)	MAX. FUEL LOSS (\$000)	EAFF ADJUSTED ACTUAL (%)	EST. FUEL SAVINGS/LOSS (\$000)
BIG BEND 1	1.89%	78.71	82.0	72.2	382.8	(960.8)	79.0%	34.3
BIG BEND 2	4.41%	68.73	72.3	61.6	893.6	(504.8)	58.0%	(504.8)
BIG BEND 3	3.20%	76.64	79.5	71.0	648.9	(561.3)	54.0%	(561.3)
BIG BEND 4	3.32%	76.95	80.6	69.7	673.1	(1,958.4)	73.2%	(1,012.7)
POLK 1	0.76%	81.52	83.7	77.2	153.6	(511.0)	85.2%	153.6
BAYSIDE 1	4.12%	76.07	78.2	71.8	835.8	(136.0)	80.2%	835.8
BAYSIDE 2	8.44%	83.07	84.9	79.5	1,711.3	(818.2)	84.2%	1,077.8
<b>GPIF SYSTEM</b>	<b>26.14%</b>				<b>5,299.1</b>	<b>(5,450.5)</b>		

AVERAGE NET OPERATING HEAT RATE (Btu/kwh)

PLANT / UNIT	WEIGHTING FACTOR (%)	ANOHR (Btu/kwh)	TARGET NOF (%)	ANOHR TARGET RANGE MIN. MAX.	MAX. FUEL SAVINGS (\$000)	MAX. FUEL LOSS (\$000)	ACTUAL ADJUSTED ANOHR	EST. FUEL SAVINGS/LOSS (\$000)
BIG BEND 1	6.90%	10,683	91.1	10,473 10,893	1,399.4	(1,399.4)	10,627	0.0
BIG BEND 2	12.47%	10,460	92.2	10,025 10,895	2,528.1	(2,528.1)	10,318	470.9
BIG BEND 3	6.59%	10,654	89.6	10,441 10,867	1,336.8	(1,336.8)	10,258	1,336.8
BIG BEND 4	13.12%	10,458	91.0	10,075 10,842	2,659.8	(2,659.8)	10,241	1,225.8
POLK 1	6.51%	10,191	94.0	9,837 10,545	1,319.6	(1,319.6)	9,855	1,232.8
BAYSIDE 1	14.36%	7,232	71.6	6,967 7,496	2,911.6	(2,911.6)	7,412	(1,616.7)
BAYSIDE 2	13.89%	7,484	53.5	7,267 7,701	2,815.6	(2,815.6)	7,698	(2,760.1)
<b>GPIF SYSTEM</b>	<b>73.86%</b>				<b>14,970.8</b>	<b>(14,970.8)</b>		

**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	7,502	-90	7,412
BAYSIDE 2	7,662	36	7,698

(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 =** 1.89%

	<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
	<b>0.895</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

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 =** 4.41%

	<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
	<b>-10.000</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

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 = 3.20%**

	<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
	<b>-10.000</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

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 =** 3.32%

	<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	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
	<b>-5.171</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

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 =** 0.76%

	<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
	<b>10.000</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

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 =** 4.12%

	<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
	<b>10.000</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

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 =** 8.44%

	<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
	<b>6,298</b>	<b>EQUIVALENT AVAILABILITY POINTS</b>	

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 =** 6.90%

	<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 <sup>9</sup> )	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 =** 12.47%

	<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 <sup>9</sup> )	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 =** 6.59%

	<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 <sup>9</sup> )	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:  $\text{NOF} * (-17.14) + 12188.87 = \text{ANOHR}$

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

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

$$10,654 + (-396) = 10,258 \quad \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

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

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

**WEIGHTING FACTOR =** 13.12%

	<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 <sup>9</sup> )	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:  $\text{NOF} * (-13.92) + 11725.49 = \text{ANOHR}$

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

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

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

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 = 6.51%**

	<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 <sup>9</sup> )	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:  $NOF * (-22.73) + 12326.95 = ANOHR$

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

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

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

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 =** 14.36%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7,232	7,502
NET GENERATION (GWH)	3,178.1	3,281.7
OPERATING BTU (10 <sup>9</sup> )	23,354.0	24,617.8
NET OUTPUT FACTOR	71.6	64.2

**-5.553 HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION:  $NOF * (-12.11) + 8098.65 = ANOHR$

$$64.2 * (-12.11) + 8098.65 = 7,322$$

$$7,502 - 7,322 = 180$$

$$7,232 + 180 = 7,412 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

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 =** 13.89%

	<u>12 MONTH TARGET</u>	<u>12 MONTH ACTUAL PERFORMANCE</u>
ANOHR (Btu/kwh)	7,484	7,662
NET GENERATION (GWH)	3,779.9	4,534.4
OPERATING BTU (10 <sup>9</sup> )	28,243.6	34,740.9
NET OUTPUT FACTOR	53.5	57.6

**-9.803 HEAT RATE POINTS**

ADJUSTMENTS TO ACTUAL HEAT RATE FOR COMPARISON

CURRENT EQUATION:  $\text{NOF} * (-8.68) + 7948.71 = \text{ANOHR}$

$$57.6 * (-8.68) + 7948.71 = 7,448$$

$$7,662 - 7,448 = 214$$

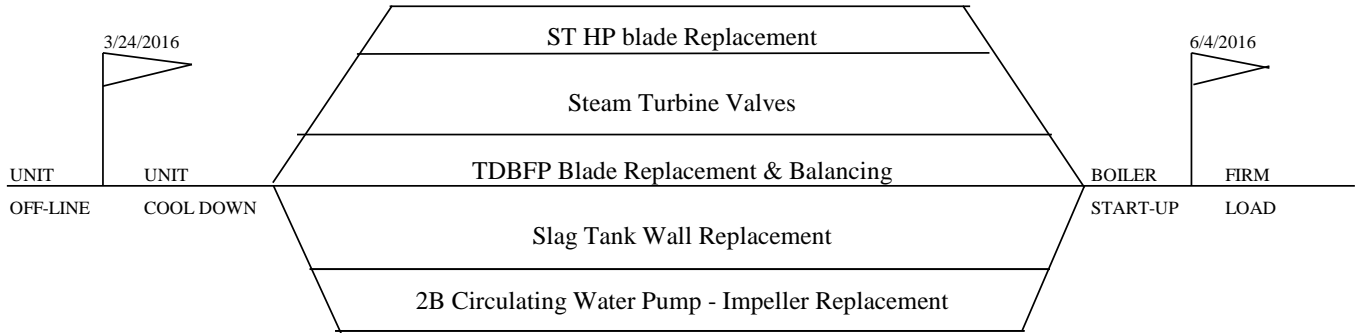
$$7,484 + 214 = 7,698 \leftarrow \text{ADJUSTED ACTUAL HEAT RATE AT TARGET NOF}$$

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

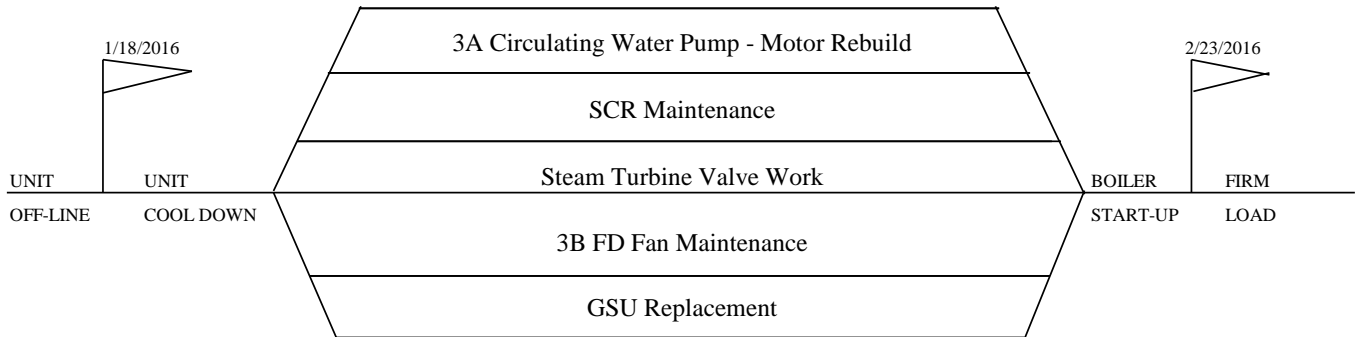
**TAMPA ELECTRIC COMPANY  
PLANNED OUTAGE SCHEDULE (ACTUAL)  
GPIF UNITS  
JANUARY 2016 - DECEMBER 2016**

<u>PLANT / UNIT</u>	<u>PLANNED OUTAGE DATES</u>	<u>OUTAGE DESCRIPTION</u>
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	HRSB Module 1 casing & seal replacement, HRSB 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, HRSB Control Valve Replacement
BAYSIDE 2	Feb 27 - Mar 11 Sep 15 - Sep 29	Fuel System Cleanup Fuel System Cleanup
+ <b>Critical Path Method ("CPM") for units with outages greater than 4 weeks are included.</b>		

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



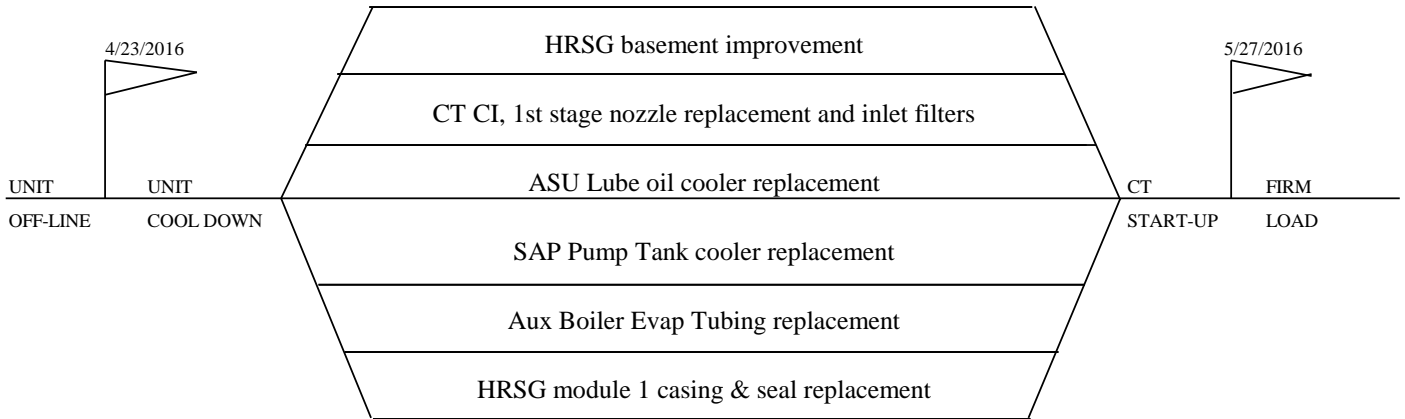
TAMPA ELECTRIC COMPANY  
 BIG BEND UNIT 2  
 PLANNED OUTAGE 2016  
 ACTUAL CPM



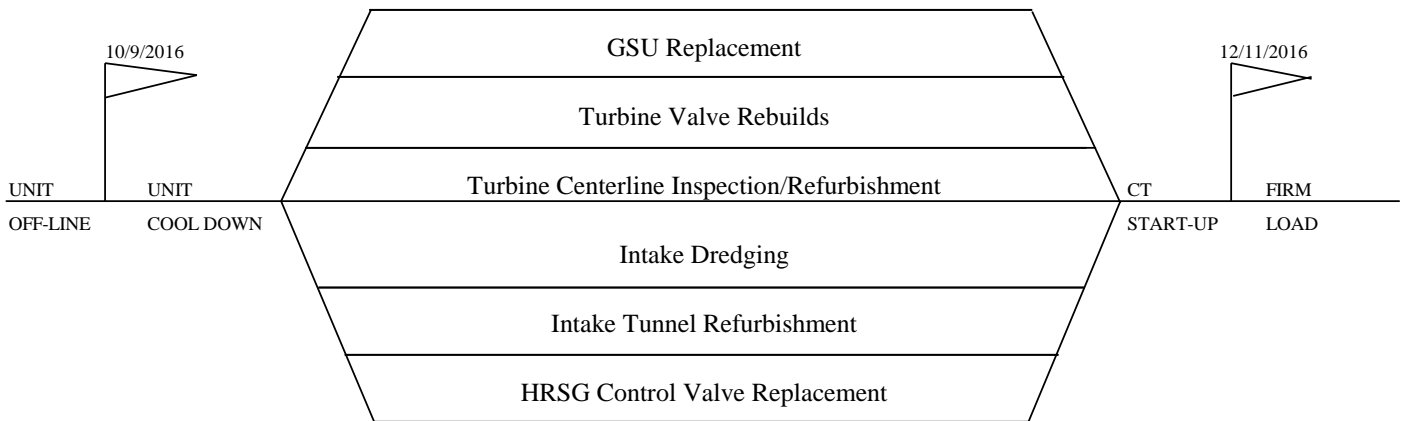
TAMPA ELECTRIC COMPANY  
 BIG BEND UNIT 3  
 PLANNED OUTAGE 2016  
 ACTUAL CPM



**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 =

1.89%

Weighting Factor =

6.90%

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
0	0.0	68.7	0	0.0	10,385
-1	(50.5)	68.0	-1	(252.8)	10,460
-2	(101.0)	67.3	-2	(505.6)	10,535
-3	(151.4)	66.6	-3	(758.4)	10,571
-4	(201.9)	65.9	-4	(1,011.2)	10,607
-5	(252.4)	65.2	-5	(1,264.0)	10,643
-6	(302.9)	64.5	-6	(1,516.8)	10,679
-7	(353.4)	63.8	-7	(1,769.7)	10,715
-8	(403.9)	63.1	-8	(2,022.5)	10,751
-9	(454.3)	62.3	-9	(2,275.3)	10,787
-10	(504.8)	61.6	-10	(2,528.1)	10,823

AHR POINTS  
1.863

Adjusted ANOHR  
10,318

EAF POINTS  
-10.000

Adjusted EAF  
58.0

Weighting Factor =

4.41%

Weighting Factor =

12.47%

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 =

3.20%

Weighting Factor =

6.59%

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

EAFF POINTS  
-5.171

Adjusted EAF  
73.2

Weighting Factor =

3.32%

Weighting Factor =

13.12%

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
+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
0	0.0	81.5	0	0.0	10,116
-1	(51.1)	81.1	-1	(132.0)	10,191
-2	(102.2)	80.7	-2	(263.9)	10,266
-3	(153.3)	80.2	-3	(395.9)	10,294
-4	(204.4)	79.8	-4	(527.8)	10,322
-5	(255.5)	79.4	-5	(659.8)	10,350
-6	(306.6)	79.0	-6	(791.8)	10,377
-7	(357.7)	78.5	-7	(923.7)	10,405
-8	(408.8)	78.1	-8	(1,055.7)	10,433
-9	(459.9)	77.7	-9	(1,187.6)	10,461
-10	(511.0)	77.2	-10	(1,319.6)	10,489

Weighting Factor =

0.76%

Weighting Factor =

6.51%

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	2,911.6	6,967
+9	752.2	78.0	+9	2,620.4	6,986
+8	668.6	77.8	+8	2,329.3	7,005
+7	585.0	77.6	+7	2,038.1	7,024
+6	501.5	77.3	+6	1,746.9	7,043
+5	417.9	77.1	+5	1,455.8	7,062
+4	334.3	76.9	+4	1,164.6	7,081
+3	250.7	76.7	+3	873.5	7,100
+2	167.2	76.5	+2	582.3	7,119
+1	83.6	76.3	+1	291.2	7,138
0	0.0	76.1	0	0.0	7,157
-1	(13.6)	75.6	-1	(291.2)	7,232
-2	(27.2)	75.2	-2	(582.3)	7,307
-3	(40.8)	74.8	-3	(873.5)	7,326
-4	(54.4)	74.4	-4	(1,164.6)	7,345
-5	(68.0)	73.9	-5	(1,455.8)	7,364
-6	(81.6)	73.5	-6	(1,746.9)	7,383
-7	(95.2)	73.1	-7	(2,038.1)	7,402
-8	(108.8)	72.7	-8	(2,329.3)	7,420
-9	(122.4)	72.2	-9	(2,620.4)	7,439
-10	(136.0)	71.8	-10	(2,911.6)	7,458

Weighting Factor =

4.12%

Weighting Factor =

14.36%

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	2,815.6	7,267
+9	1,540.2	84.7	+9	2,534.1	7,282
+8	1,369.1	84.5	+8	2,252.5	7,296
+7	1,197.9	84.3	+7	1,970.9	7,310
+6	1,026.8	84.1	+6	1,689.4	7,324
+5	855.7	84.0	+5	1,407.8	7,338
+4	684.5	83.8	+4	1,126.3	7,352
+3	513.4	83.6	+3	844.7	7,367
+2	342.3	83.4	+2	563.1	7,381
+1	171.1	83.3	+1	281.6	7,395
0	0.0	83.1	0	0.0	7,409
-1	(81.8)	82.7	-1	(281.6)	7,484
-2	(163.6)	82.4	-2	(563.1)	7,559
-3	(245.4)	82.0	-3	(844.7)	7,573
-4	(327.3)	81.6	-4	(1,126.3)	7,587
-5	(409.1)	81.3	-5	(1,407.8)	7,602
-6	(490.9)	80.9	-6	(1,689.4)	7,616
-7	(572.7)	80.6	-7	(1,970.9)	7,630
-8	(654.5)	80.2	-8	(2,252.5)	7,644
-9	(736.3)	79.9	-9	(2,534.1)	7,658
-10	(818.2)	79.5	-10	(2,815.6)	7,672

← **EA  
POINTS  
6.298**

**Adjusted  
EAF  
84.2** →

← **AHR  
POINTS  
-9.803**

**Adjusted  
ANOHR  
7,698** →

Weighting Factor =

8.44%

Weighting Factor =

13.89%



**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 16 - DEC 16</u>			<u>ACTUAL PERFORMANCE JAN 16 - DEC 16</u>		
			<u>POF</u>	<u>EUOF</u>	<u>EUOR</u>	<u>POF</u>	<u>EUOF</u>	<u>EUOR</u>
BIG BEND 1	1.89%	7.2%	6.6	14.7	15.8	5.9	14.5	15.4
BIG BEND 2	4.41%	16.9%	18.0	13.2	16.1	22.5	22.7	29.3
BIG BEND 3	3.20%	12.2%	12.3	11.1	12.6	12.6	33.6	38.4
BIG BEND 4	3.32%	12.7%	6.6	16.5	17.7	6.7	20.1	21.6
POLK 1	0.76%	2.9%	10.4	8.1	9.0	13.3	4.2	4.9
BAYSIDE 1	4.12%	15.8%	17.8	8.1	9.9	13.3	4.2	4.9
BAYSIDE 2	8.44%	32.3%	10.6	8.1	9.1	13.3	4.2	4.9
<b>GPIF SYSTEM</b>	<b>26.1%</b>	<b>100.0%</b>	<b>12.4</b>	<b>10.9</b>	<b>12.4</b>	<b>13.4</b>	<b>13.7</b>	<b>16.0</b>
<b>GPIF SYSTEM WEIGHTED EQUIVALENT AVAILABILITY (%)</b>			<b><u>76.7</u></b>			<b><u>72.9</u></b>		
			<b>3 PERIOD AVERAGE</b>			<b>3 PERIOD AVERAGE</b>		
			<b><u>POF EUOF EUOR</u></b>			<b><u>EAF</u></b>		
			<b>10.9 11.9 13.6</b>			<b>77.2</b>		

**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 16 - DEC 16</u>	<u>JAN 16 - DEC 16</u>
BIG BEND 1	6.90%	9.3%	10,683	10,627
BIG BEND 2	12.47%	16.9%	10,460	10,318
BIG BEND 3	6.59%	8.9%	10,654	10,258
BIG BEND 4	13.12%	17.8%	10,458	10,241
POLK 1	6.51%	8.8%	10,191	9,855
BAYSIDE 1	14.36%	19.4%	7,232	7,412
BAYSIDE 2	13.89%	18.8%	7,484	7,698
<b>GPIF SYSTEM</b>	<b>73.9%</b>	<b>100.0%</b>		
<b>GPIF SYSTEM WEIGHTED AVERAGE HEAT RATE (Btu/kwh)</b>			<b><u>9,287</u></b>	<b><u>9,229</u></b>

**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> =	1.89%	*	(BB 1 EAP)	+	4.41%	*	(BB 2 EAP)	+	3.20%	*	(BB 3 EAP)	
	+	3.32%	*	(BB 4 EAP)	+	0.76%	*	(PK 1 EAP)	+	4.12%	*	(BAY 1 EAP)
	+	8.44%	*	(BAY 2 EAP)	+	6.90%	*	(BB 1 AHRP)	+	12.47%	*	(BB 2 AHRP)
	+	6.59%	*	(BB 3 AHRP)	+	13.12%	*	(BB 4 AHRP)	+	6.51%	*	(PK 1 AHRP)
	+	14.36%	*	(BAY 1 AHRP)	+	13.89%	*	(BAY 2 AHRP)				

<i>GPIP</i> =	1.89%	*	0.895	+	4.41%	*	-10.000	+	3.20%	*	-10.000	
	+	3.32%	*	-5.171	+	0.76%	*	10.000	+	4.12%	*	10.000
	+	8.44%	*	6.298	+	6.90%	*	0.000	+	12.47%	*	1.863
	+	6.59%	*	10.000	+	13.12%	*	4.609	+	6.51%	*	9.342
	+	14.36%	*	-5.553	+	13.89%	*	-9.803				

<i>GPIP</i> =			0.017	+			-0.441	+			-0.320
	+		-0.172	+			0.076	+			0.412
	+		0.532	+			0.000	+			0.232
	+		0.659	+			0.605	+			0.608
	+		-0.798	+			-1.362				

*GPIP* = 0.050 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 = \$47,392**

EXHIBIT NO. \_\_\_\_ (BSB-1)  
TAMPA ELECTRIC COMPANY  
DOCKET NO. 170001-EI  
GPIF 2016 FINAL TRUE-UP  
DOCUMENT NO. 2

EXHIBIT TO THE TESTIMONY OF  
BRIAN S. BUCKLEY

DOCKET NO. 170001-EI

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

DOCUMENT NO. 2  
ACTUAL UNIT PERFORMANCE DATA

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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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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EXHIBIT NO. \_\_\_\_\_ (BSB-1)  
TAMPA ELECTRIC COMPANY  
DOCKET NO. 170001-EI  
DOCUMENT NO. 2  
PAGE 2 OF 7

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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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
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)	2,779.5	1,731.3	2,788.1	2,819.1	2,446.0	2,617.3	2,738.8	2,565.4	2,592.9	630.6	0.0	908.9	24,617.8
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)	7,367.4	7,463.4	7,560.2	7,482.7	7,358.5	7,449.8	7,468.0	7,488.8	7,762.4	7,626.4	0.0	7,756.8	7,502.0
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 (-12.11) + (8,099)												

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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
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)	3,309.0	3,268.2	1,691.6	3,466.5	3,112.4	3,215.3	3,033.8	3,040.1	1,276.0	2,886.3	3,714.0	2,727.5	34,740.9
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)	7,371.7	7,469.7	7,736.1	7,544.1	7,402.3	7,466.9	7,534.2	7,536.6	7,811.1	7,953.2	8,502.8	7,800.7	7,662.0
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 (-8.68) + (7,949)												

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